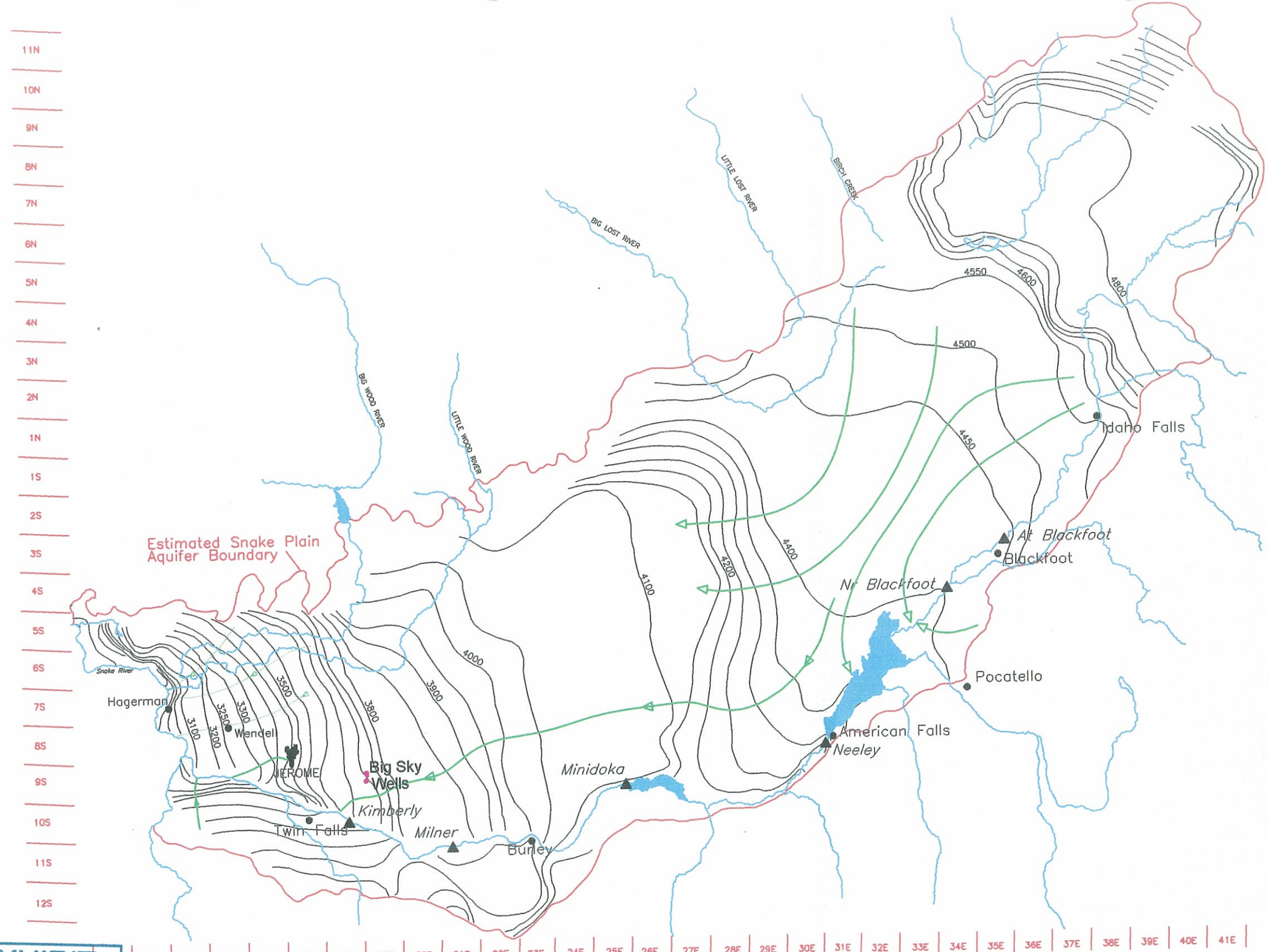
F:\Projects\McFarland - Big Sky Farms Hunt\exhibits\265-04-2006-1.dwg



LEGEND

- Eastern Snake Plain Aquifer boundary
- 4000 Computed water table contours (UI)
- Roads
- Rivers and Waterways
- Major city
- *U.S.G.S. streamflow gauge*
- Approximate flow line

EXHIBIT 1

THIS DRAWING HAS BEEN PREPARED BY BROCKWAY ENGINEERING, PLLC. FOR A SPECIFIC PROJECT TAKING INTO ACCOUNT THE SPECIFIC AND UNIQUE REQUIREMENTS OF THE PROJECT. REUSE OF THIS DRAWING FOR ANY PURPOSE IS PROHIBITED UNLESS WRITTEN PERMISSION FROM BOTH BROCKWAY ENGINEERING & THE CLIENT IS GRANTED.

REV	DESCRIPTION	DATE	APPD.	REFERENCE DRAWINGS
A	ISSUE FOR REVIEW	7/5/2007		

DESIGNED BY | DRAFTED BY

SCALE: N.T.S. (11 X 17 DWG ONLY)

BROCKWAY ENGINEERING, PLLC.
HYDRAULICS - HYDROLOGY - WATER RESOURCES
2016 NORTH WASHINGTON, SUITE 4
TWIN FALLS, ID. 83301
(208) 736-8543

EASTERN SNAKE RIVER PLAIN AQUIFER

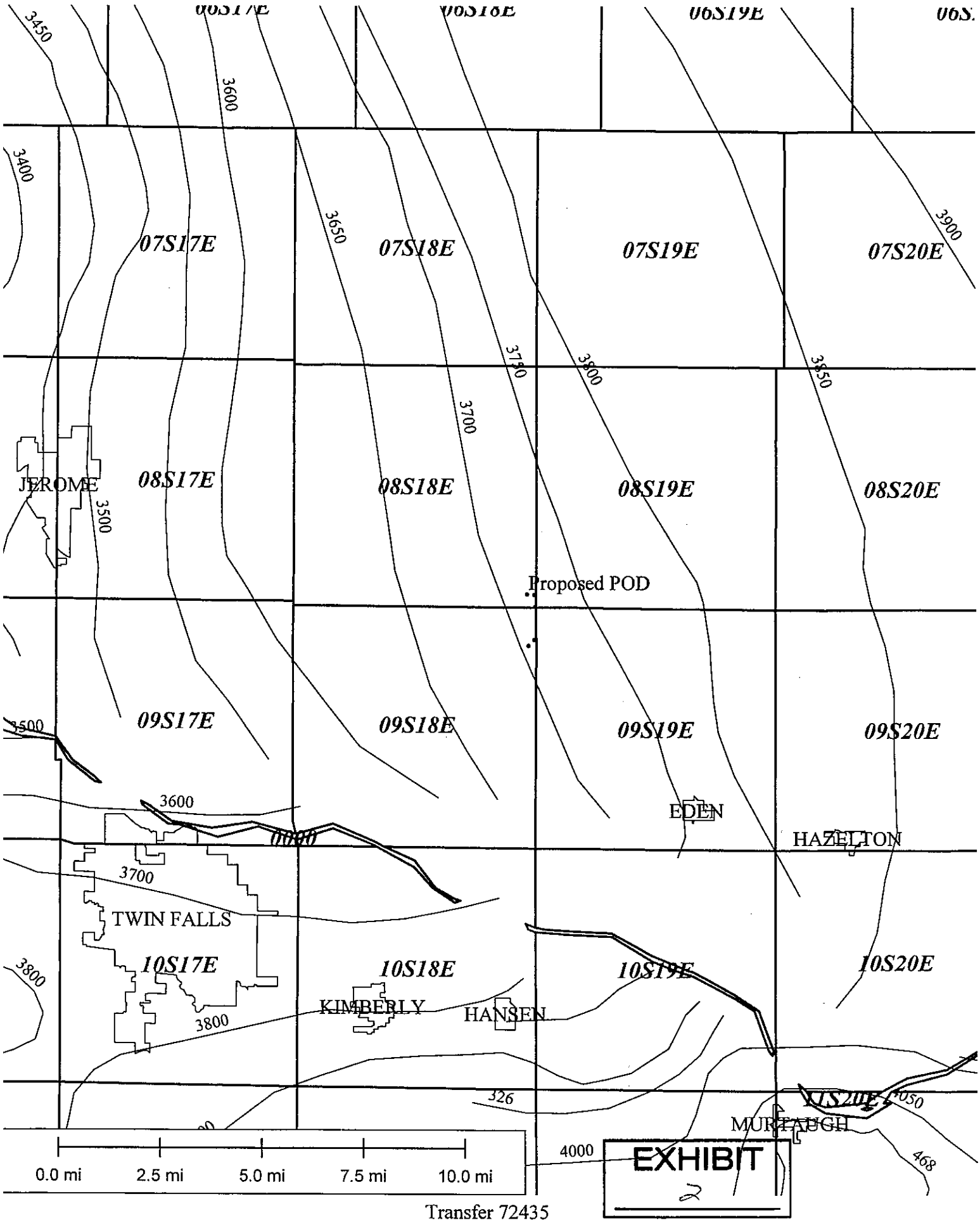
GROUND WATER CONTOUR PREPARED BY UNIVERSITY OF IDAHO

PROJECT # 265-04-2006

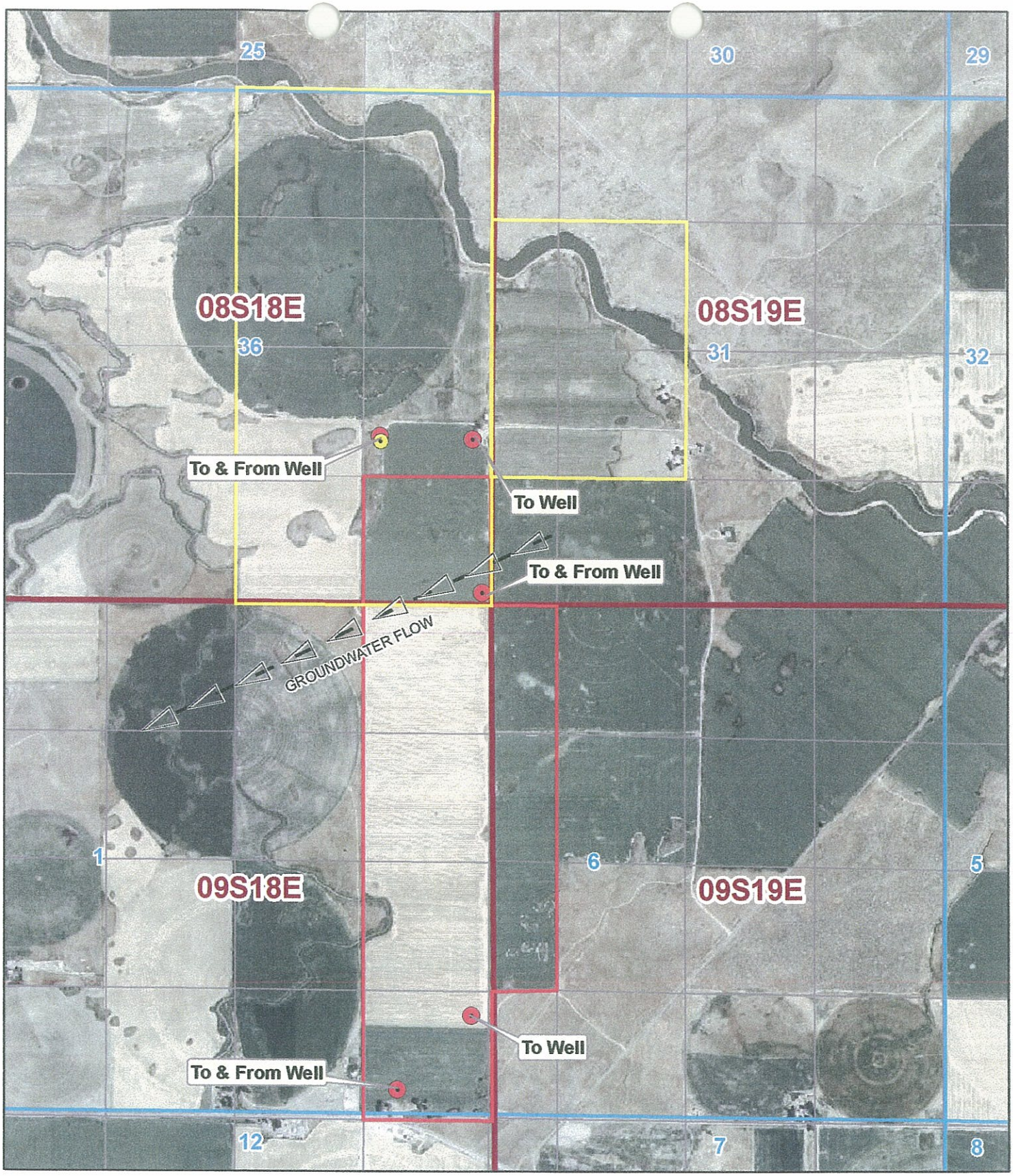
DWG # 1

REV A

Big Sky Farms



Transfer 72435



BROCKWAY ENGINEERING, PLLC.
ALR - June 5, 2007

EXHIBIT 3

BIG SKY FARMS
T. 08 South R, 18 East
NAIP 2006 Aerial Photo

Legend
- Townships
- Sections
- Original POD
- Original POU
- Point of Diversion
- Place Of Use
- Original POD
- Original POU

N

Wendell

Harold Dimond

Jerome

Lee Halper

Rita Ayers

James Stewart

Richard Bullers

Brenda Herrmann

Blaine Miller

Dean & Eden Dimond Dennis Dimond

James & Brenda Wyatt

Cyrus Bullers

Eden

Filer

0 1 2 4 6 Miles

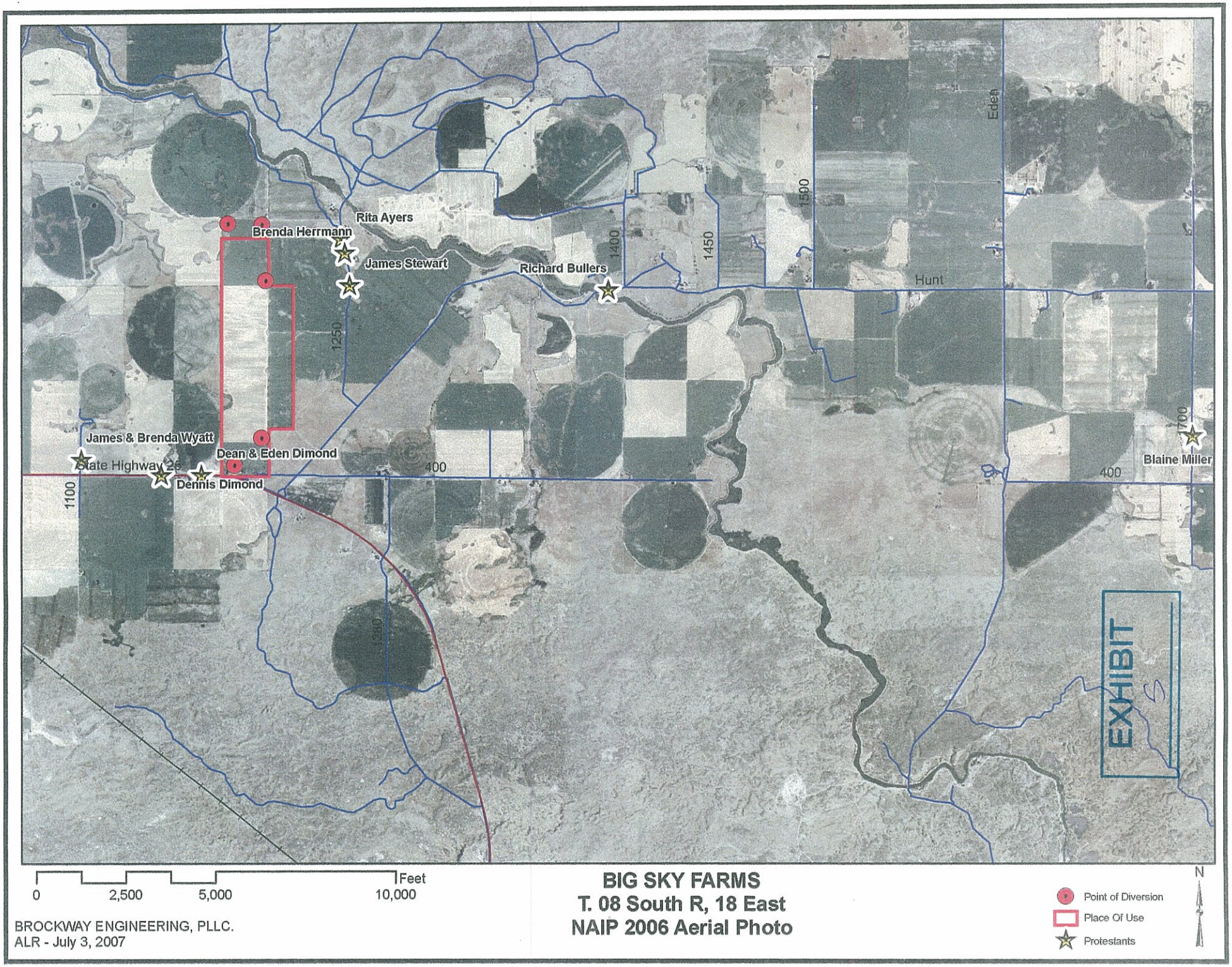
BIG SKY FARMS
PROTESTANTS MAP
Topographical Base

EXHIBIT 4

Place Of Use
Protestants
cities

N

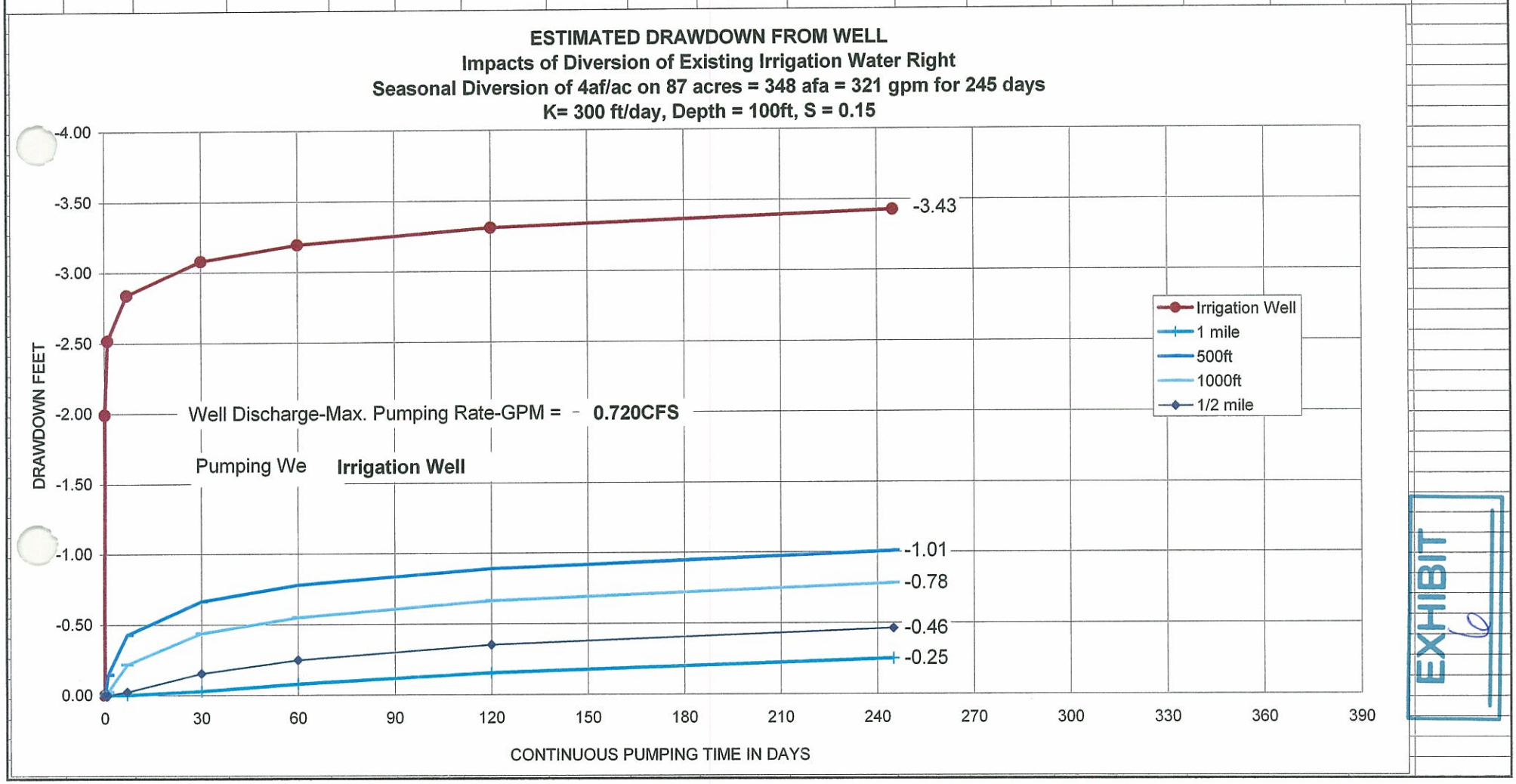
BROCKWAY ENGINEERING, PLLC.
ALR - July 3, 2007



BIG SKY FARMS
T. 08 South R, 18 East
NAIP 2006 Aerial Photo

BROCKWAY ENGINEERING, PLLC.
ALR - July 3, 2007

HOURS	DAYS	@WELL	500	1000	2640	5280	DISTANCE FEET
0.0	0.00	0	0	0	0	0	
1.0	0.04	-1.99	0.00	0.00	0.00	0.00	
24.0	1.00	-2.52	-0.14	-0.02	0.00	0.00	
168.0	7.00	-2.84	-0.43	-0.22	-0.02	0.00	
720.0	30.00	-3.08	-0.66	-0.44	-0.15	-0.03	
1440.0	60.00	-3.19	-0.77	-0.55	-0.25	-0.08	
2880.0	120.00	-3.31	-0.89	-0.66	-0.35	-0.15	
5880.0	245.00	-3.43	-1.01	-0.78	-0.46	-0.25	

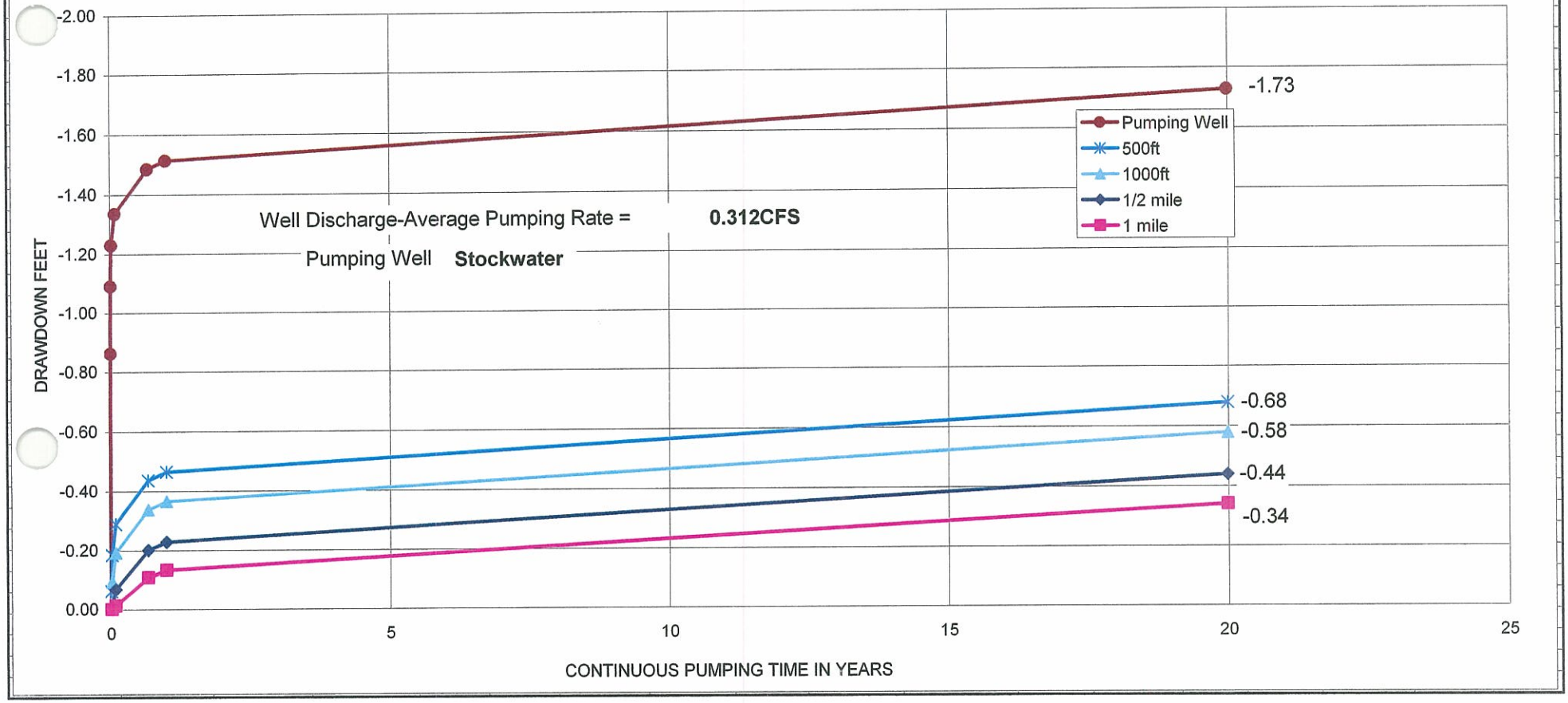


Interference(Max Diversion)

HOURS	DAYS	@WELL	500	1000	2640	5280	DISTANCE FEET
0.0	0.00	0	0	0	0	0	
1.00	0.04	-0.86	0.00	0.00	0.00	0.00	
24.00	1.00	-1.09	-0.06	-0.01	0.00	0.00	
168.00	7.00	-1.23	-0.18	-0.09	-0.01	0.00	
744.00	31.00	-1.34	-0.29	-0.19	-0.07	-0.01	
5880.00	245.00	-1.48	-0.44	-0.34	-0.20	-0.11	
8760.00	365.00	-1.51	-0.46	-0.37	-0.23	-0.13	
175200.00	7300.00	-1.73	-0.68	-0.58	-0.44	-0.34	

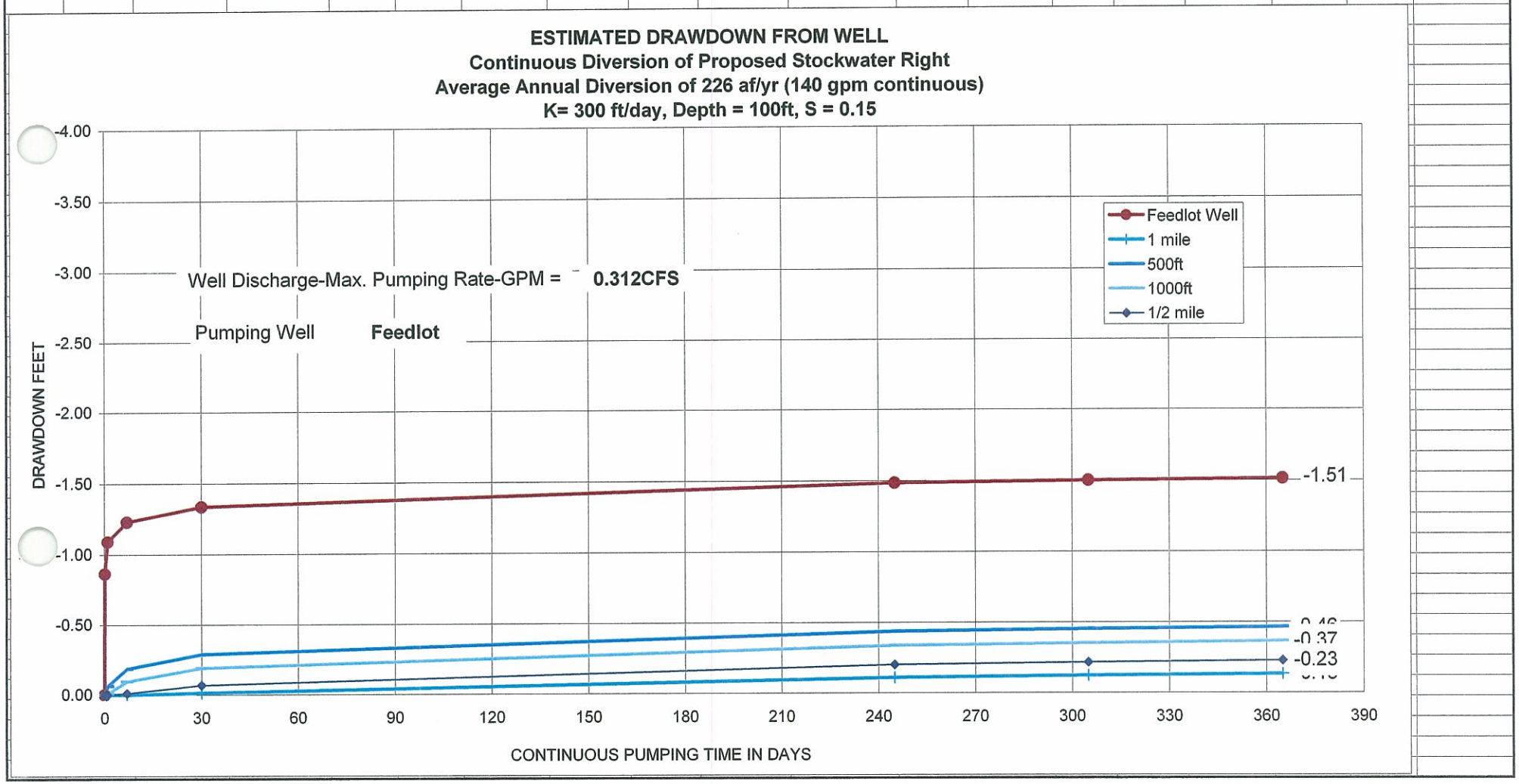
Years
0
0.000114
0.002738
0.019165
0.084876
0.670792
0.999343
19.98686

ESTIMATED DRAWDOWN FROM WELL
Average Annual Diversion of 226 af/yr (140 gpm continuous)
K= 300 ft/day, Depth = 100ft, S = 0.15



Interference(Ave Diversion)

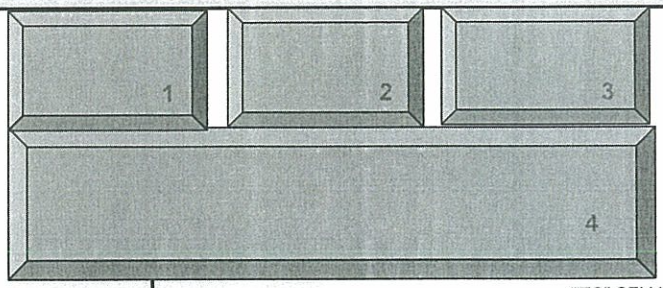
HOURS	DAYS	@WELL	500	1000	2640	5280	DISTANCE FEET
0.0	0.00	0	0	0	0	0	
1.0	0.04	-0.86	0.00	0.00	0.00	0.00	
24.0	1.00	-1.09	-0.06	-0.01	0.00	0.00	
168.0	7.00	-1.23	-0.18	-0.09	-0.01	0.00	
720.0	30.00	-1.33	-0.29	-0.19	-0.07	-0.01	
5880.0	245.00	-1.49	-0.44	-0.34	-0.20	-0.11	
7320.0	305.00	-1.50	-0.45	-0.35	-0.22	-0.12	
8760.0	365.00	-1.51	-0.46	-0.37	-0.23	-0.13	



ENHANCED GROUND-WATER RIGHTS TRANSF

UNIVERSITY OF IDAHO - IDAHO WATER RESOURCES RESEARCH INSTITUTE | IDAHO DEPA

Cells this color are set up for user entries



ENTER STARTING DATE FOR SIMULATION. THEN PUSH "UPDATE DATES" BUTTON	TRANSFER NO: 72435
YEAR 1952	TRANSFER NAME:
SEASON SPRING	Big Sky Farms

ENTER CELL LOCATIONS:	'TO' CELL	'FROM1' CELL	'FROM2' CELL	'FROM3' CELL
ROW	62	62	64	63
COLUMN	34	34	33	34

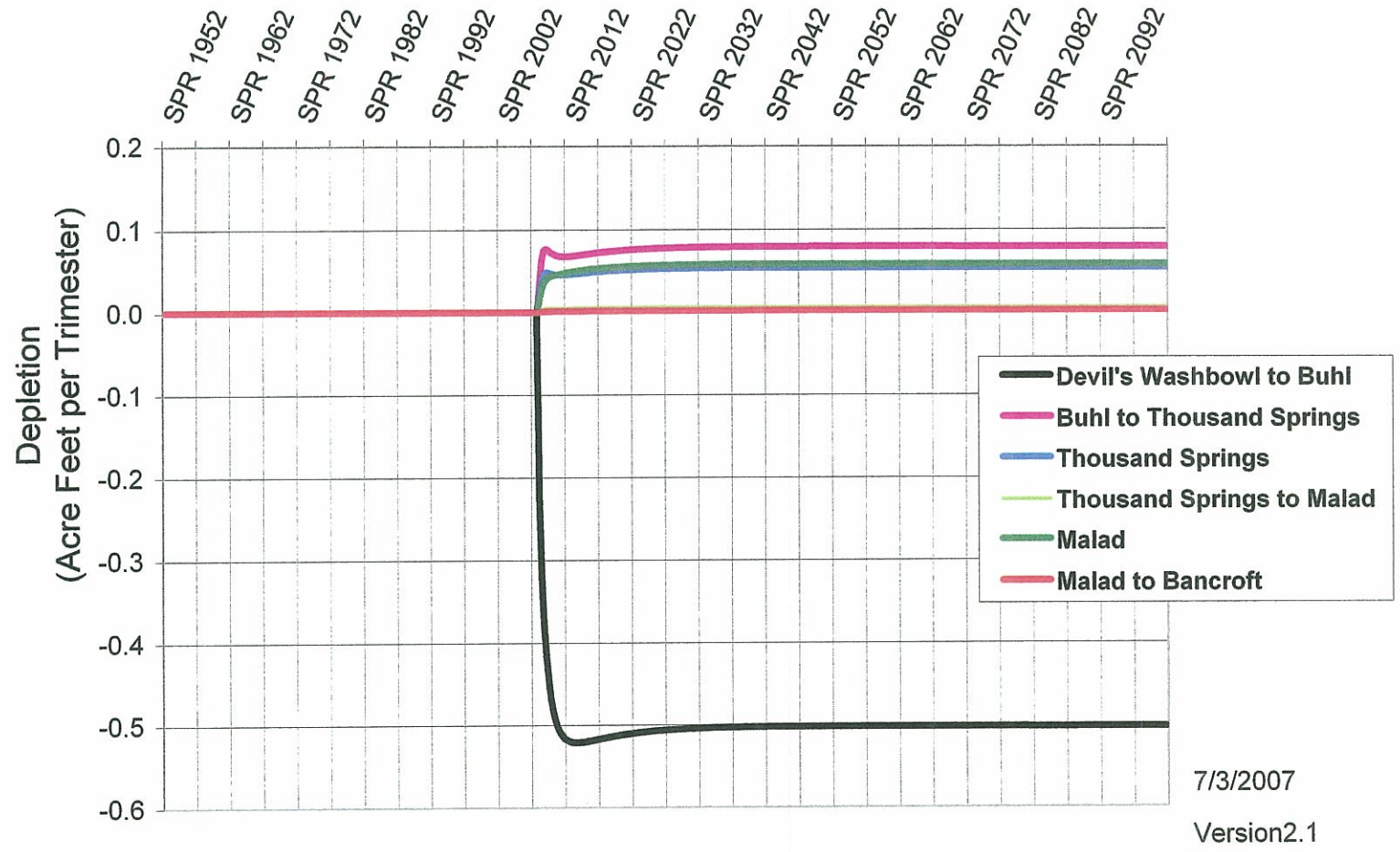
("TO" CELL)	0.00
36-2373 ("FROM1" CELL)	228.1
36-15056 ("FROM2" CELL)	7.5
36-15057 ("FROM3" CELL)	10.2

WIN 1999	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2000	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2000	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2000	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2001	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2001	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2001	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2002	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2002	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2002	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2003	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2003	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2003	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2004	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2004	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2004	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2005	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2005	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2005	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2006	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2006	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2006	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2007	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SUM 2007	0.0	76.0	76.0	2.5	2.5	3.4	3.4
WIN 2007	0.0	76.0	76.0	2.5	2.5	3.4	3.4
SPR 2008	0.0	76.0	27.3	2.5	27.3	3.4	27.3
SUM 2008	0.0	76.0	27.3	2.5	27.3	3.4	27.3
WIN 2008	0.0	76.0	27.3	2.5	27.3	3.4	27.3
SPR 2009	0.0	76.0	27.3	2.5	27.3	3.4	27.3
SUM 2009	0.0	76.0	27.3	2.5	27.3	3.4	27.3
WIN 2009	0.0	76.0	27.3	2.5	27.3	3.4	27.3

EXHIBIT 7

Net Transfer Effect Below Milner

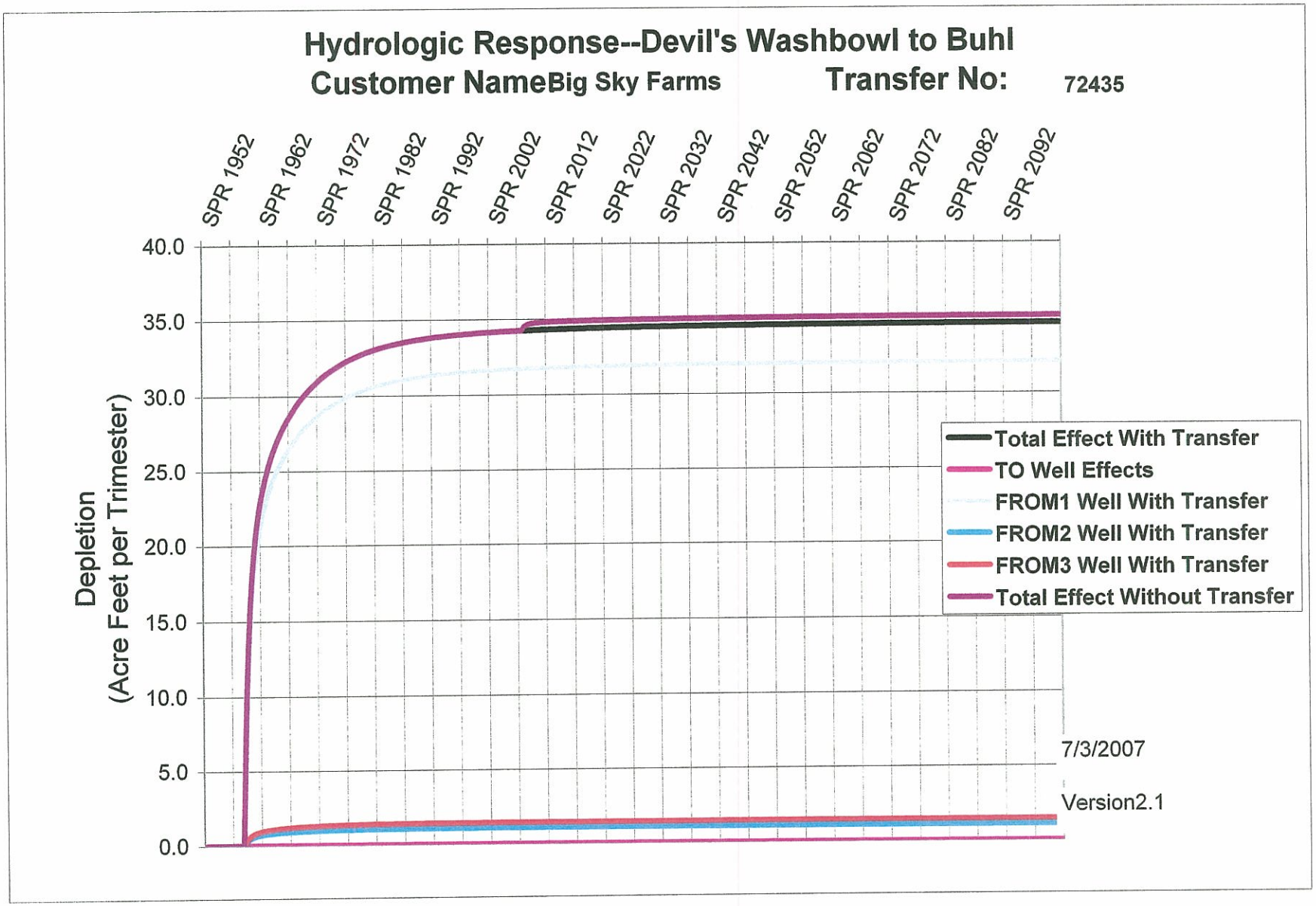
(Total Effect With Transfer - Total Effect Without Transfer)



7/3/2007

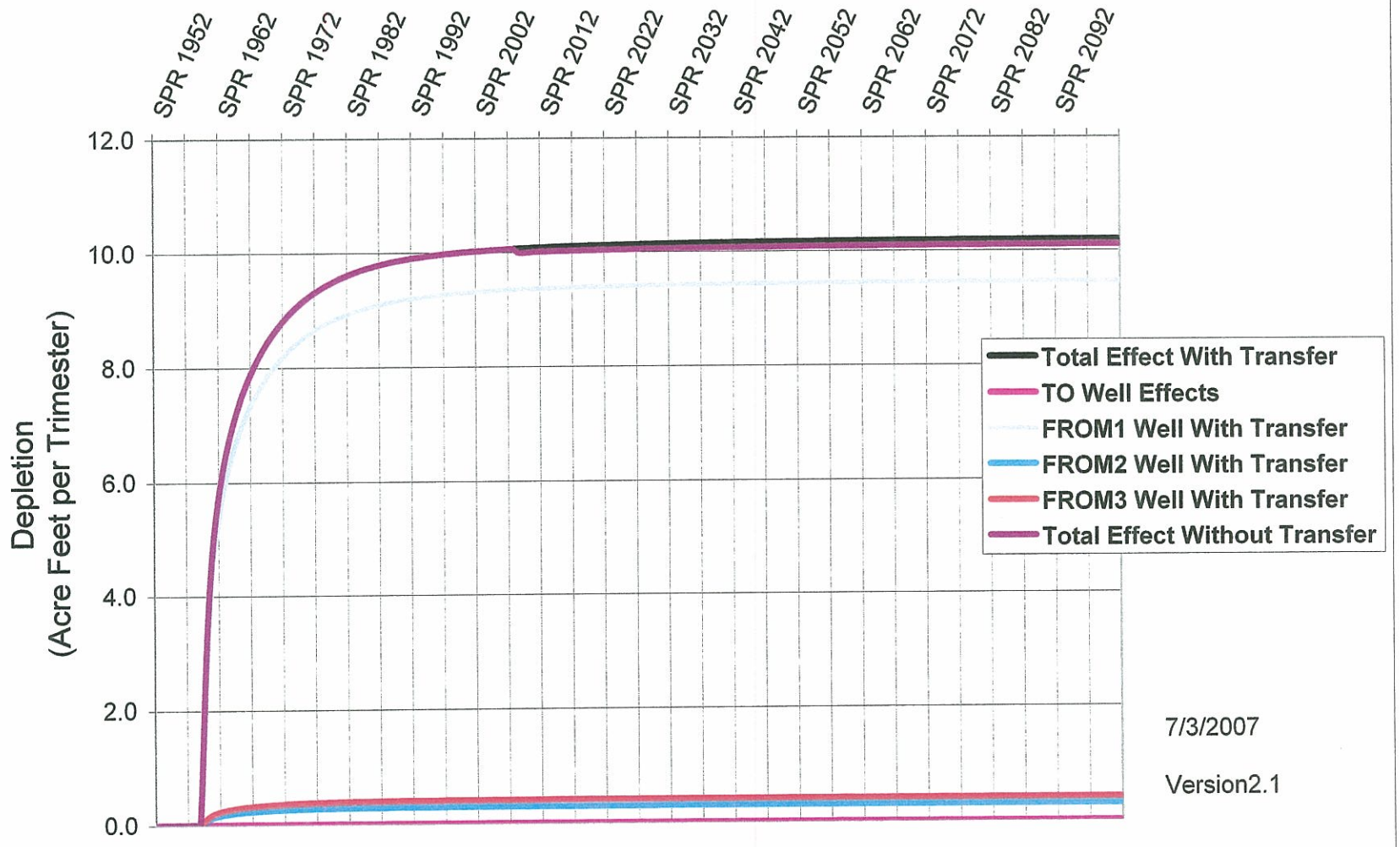
Version2.1

Customer Name: **Big Sky Farms** **Transfer No:** **72435**


Hydrologic Response--Devil's Washbowl to Buhl
Customer NameBig Sky Farms
Transfer No: 72435
SPR 1952
SPR 1962
SPR 1972
SPR 1982
SPR 1992
SPR 2002
SPR 2012
SPR 2022
SPR 2032
SPR 2042
SPR 2052
SPR 2062
SPR 2072
SPR 2082
SPR 2092
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
Depletion
(Acre Feet per Trimester)
Total Effect With Transfer
TO Well Effects
FROM1 Well With Transfer
FROM2 Well With Transfer
FROM3 Well With Transfer
Total Effect Without Transfer
7/3/2007
Version2.1

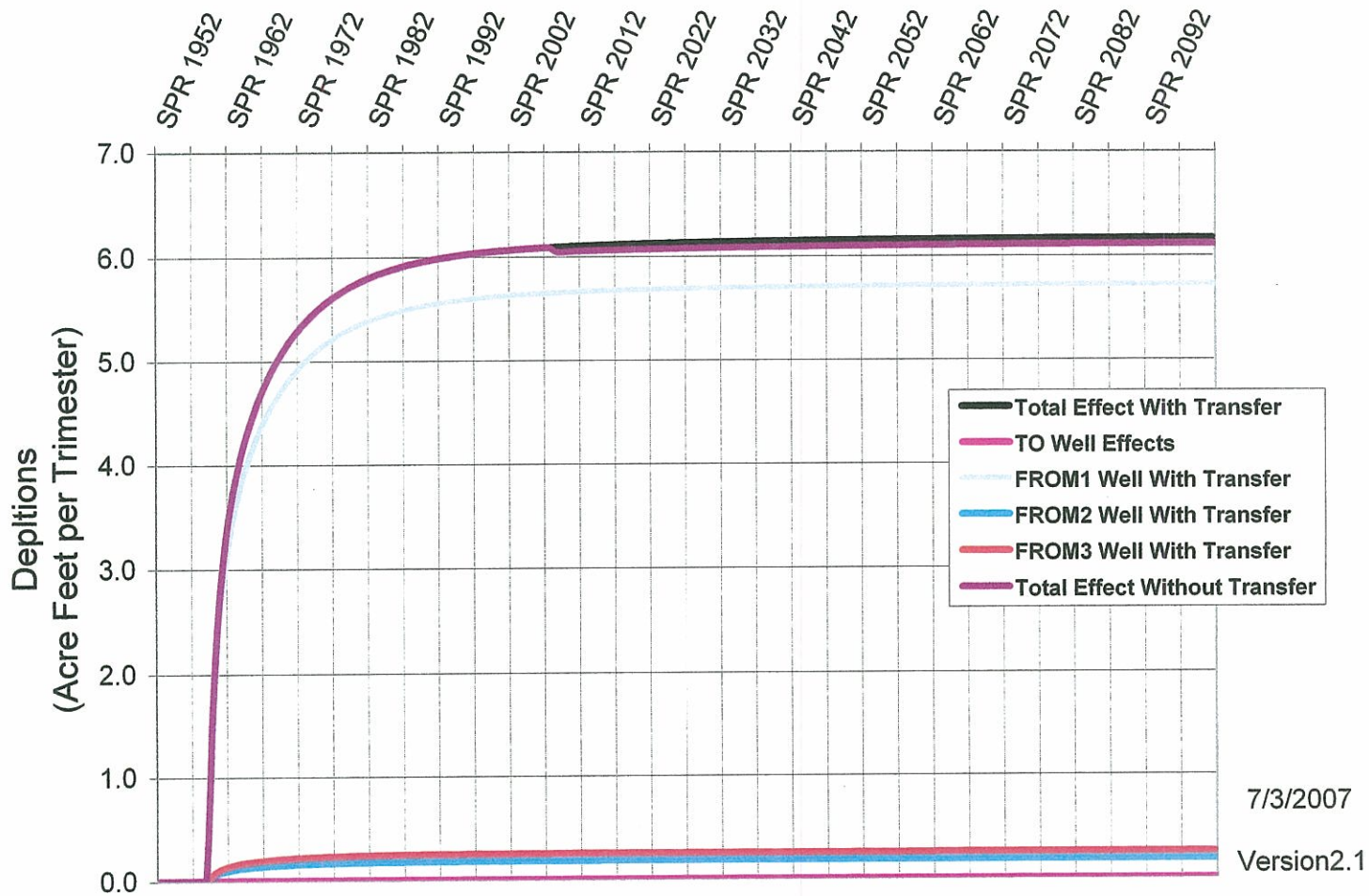
Hydrologic Response--Buhl to Thousand Springs

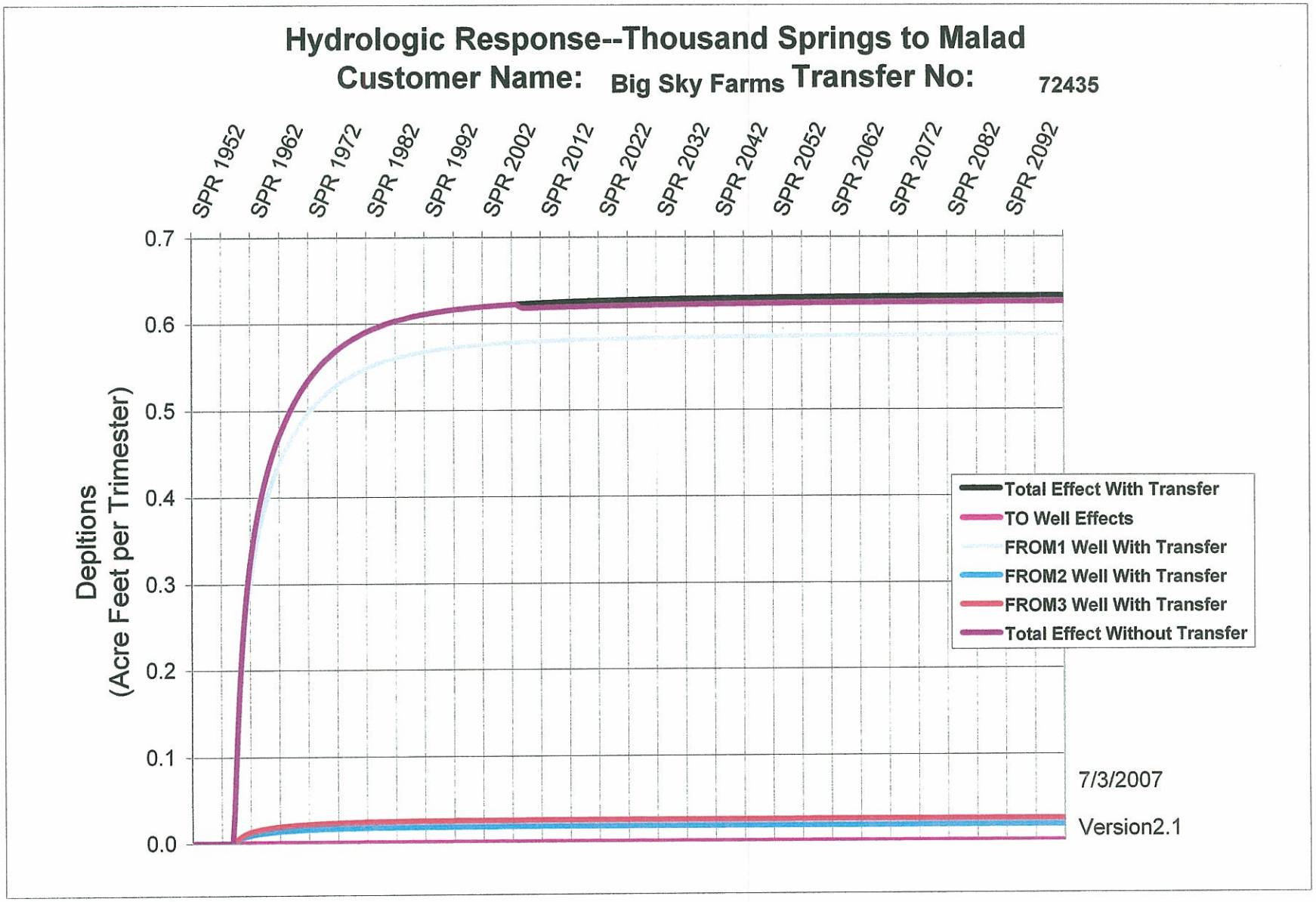
Customer Name: Big Sky Farms **Transfer No:** 72435



Hydrologic Response--Thousand Springs

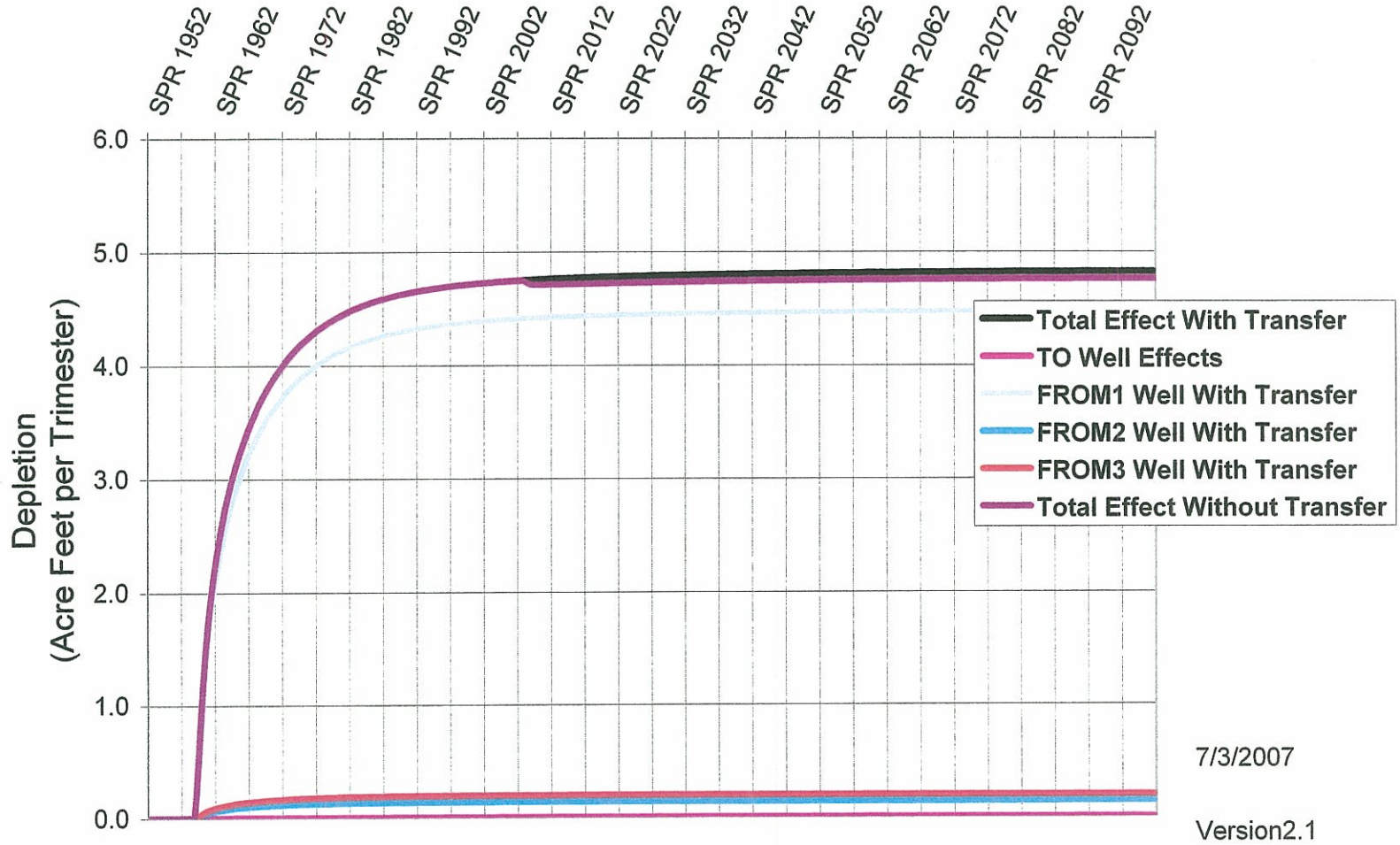
Customer Name: Big Sky Farms Transfer No: 72435




Hydrologic Response--Thousand Springs to Malad
Customer Name: Big Sky Farms Transfer No: 72435
SPR 1952
SPR 1962
SPR 1972
SPR 1982
SPR 1992
SPR 2002
SPR 2012
SPR 2022
SPR 2032
SPR 2042
SPR 2052
SPR 2062
SPR 2072
SPR 2082
SPR 2092
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Depltions
(Acre Feet per Trimester)
Total Effect With Transfer
TO Well Effects
FROM1 Well With Transfer
FROM2 Well With Transfer
FROM3 Well With Transfer
Total Effect Without Transfer
7/3/2007
Version2.1

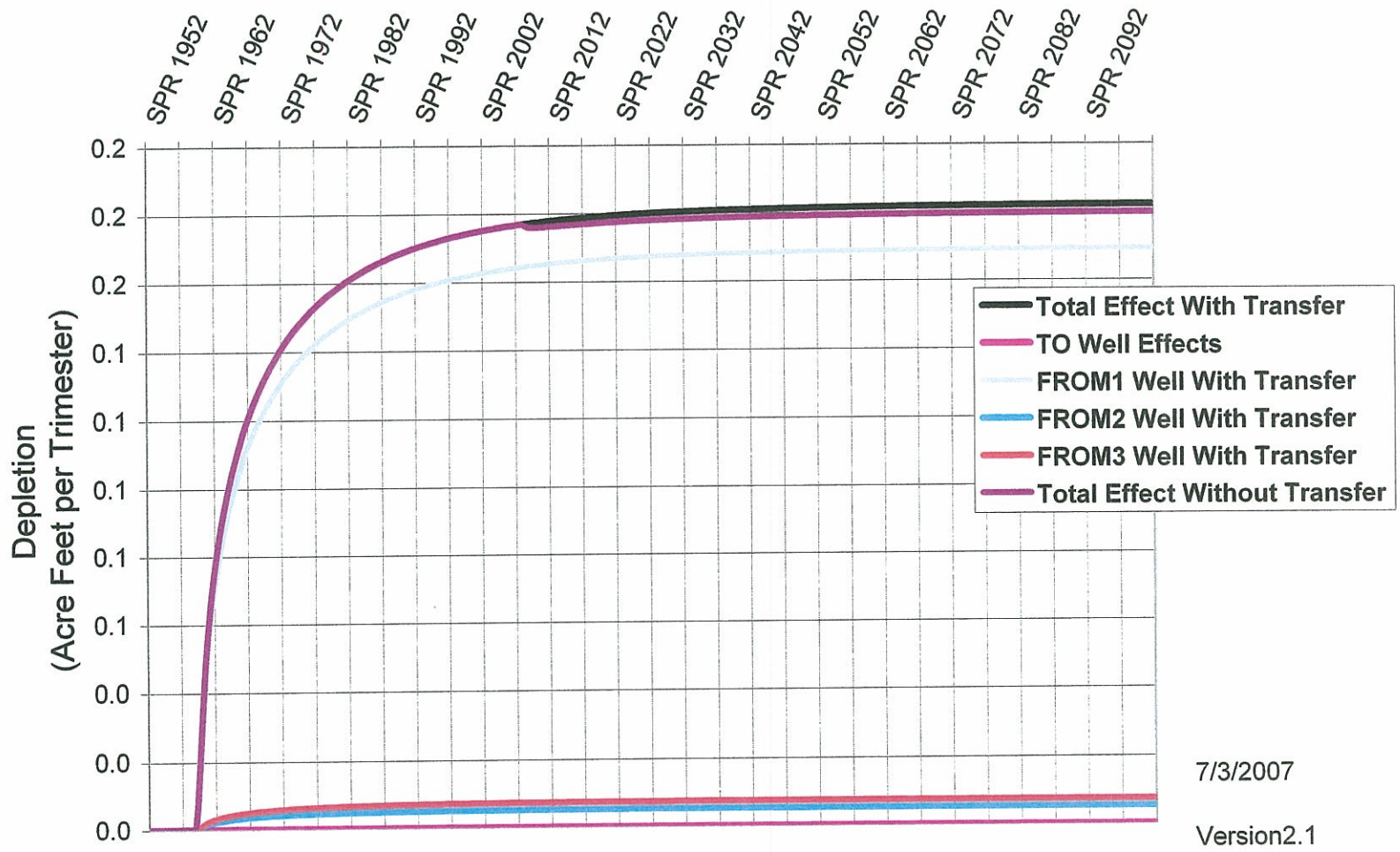
Hydrologic Response-- Malad

Customer Name: Big Sky Farms Transfer No: 72435



Hydrologic Response-- Malad to Bancroft

Customer Name: Big Sky Farms Transfer No: 72435



Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Big Sky Farms
Jerome County
Hunt Feedlot

Revision: A
Run Date: 7/2/2007

Remarks: Based on: (1,070 calves @ 105lb), (1,615 calves 185 lb), (6,071 heifers > 520 lb)
(4,432 heifers @ 1,000 lb) -- LCO Permit specifies 8,000 Animal Units (A.U.)

Herd Information - User Input

Number of milking cows	0
Number of dry cows	10503
Number of other adult dry animals	0

Breed: Large

Calves at age:

1 month	0
2 months	0
3 months	0
4 months	0

Heifers at age:

5 months	0
15 - 18 months	1070
18 - 24 months	1615

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1000 lbs	Nearest weather station	Twin Falls
Milk fat percentage	3.5 %	Number of milkings/day	1
Average days dry	364		
Annual milk yield per animal	20000 lbs/year	Check: Total herd size based on days dry	10532
Percent dry matter in ration	90 %	HERD SIZE OK	

Lagoon Information - User Input

Lagoon Number	Top width	Top length	SS (h:v)	Max depth	Average depth factor	% days with water	Top Area	Bottom Area	Average Area
1	432	634	1	8	0.5	50	273888	265424	269656
2	125	170	1	5	0.5	50	21250	19800	20525
3	100	300	1	5	0.5	50	30000	28025	29013
4	100	300	1	5	0.5	50	30000	28025	29013
5	193	358	1	6	0.5	50	69094	65824	67459
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
						TOTAL ACRES	9.74	9.35	9.54

EXHIBIT 6

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	1	0	(0 = not used or nonexistent)
Number of sprinklers in pen	0	0	
Average line pressure	20	20	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	0	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	400	400	minutes
Percent of days per year cows are washed	100	100	%

Number of free stalls	0	
Length of each free stall	1000	feet
Width of each free stall	50	feet

Is the feeding area flushed to lagoon?	No
Is this housing area flushed to lagoon?	No

	Barn	Feeding	Housing
Flushing recycle rate	0	0	0

CLEANING / FLUSHING VOLUMES
Use defaults or enter manufacturer volumes

Cleaning parlor floor	0 gal	Cleaning pipeline	0 gal
Cleaning milkroom	0 gal	Cleaning equipment	0 gal
Cleaning bulk tank	0 gal		
Additional flush of holding pen (opt.)	-600 gal		

Land Application Information - User Input

Type of system	Center Pivot
Predominant cropping	Alfalfa
Percent of waste water which goes to meet crop irrigation requirement	90 %

Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	18500	lbs/year
Daily average FCM yield	18500.00	lbs/day
Daily average milk yield	20000.00	lbs/day
Estimated DMI	5020.56	lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	38607.8	lbs/day or
	4629.2	gal/day
As-fed feed daily intake	5578.4	as-fed lb/day
Water content of feed	557.84	lb/day in feed
Drinking water intake	38050.0	lb/day or
	4562.4	gal/day
Drinking water requirement for lactating cows	0	gal/day
	0.0	ac-ft/year

METHOD 2: Holter and Urban Regression equation with DMI, milk production, and dry matter %

Drinking water intake	11102.7	liters/day
	2933.0	gal/day
	0	gal/day
	0.0	ac-ft/year

Maximum drinking water requirement 0.0 ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	19	lbs/day
Average drinking water intake	13	gal/day
Average drinking water requirement	136539	gal/day
	153.0	ac-ft/year

Drinking Water Calculation for Replacement Herd (Calves and Heifers)

Age	GPD	Ac-Ft/year
1 mo	0	0.00
2 mo	0	0.00
3 mo	0	0.00
4 mo	0	0.00
5 mo	0	0.00
15-18 mo	6955	7.79
18-24 mo	13647	15.29
Drinking water requirement for replacement herd	20602 gpd	23.08 ac-ft/year

TOTAL STOCKWATER COMPONENT 176.0 AC-FT/YEAR

Commercial Component

Milking Parlor Water Usage Calculation

*Volume needed **per milking** in each parlor for:*

Cleaning parlor floor	0 gal	Cleaning pipeline	0 gal
Cleaning milkroom	0 gal	Cleaning equipment	0 gal
Cleaning bulk tank	0 gal	Cleaning cows	0 gal

Total milking parlor volume	0 gal/day
Second milking parlor volume	0 gal/day
Recycled water	0 gal/day
	0.00 ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	3.17	3.17	gpm
Output of secondary nozzle	0	0	gpm
Holding pen flushing volume	3000	0	gal
Additional flush volume	-600	0	gal
Sprinkler volume	0	0	gal/day
Total holding pen volume	2400	0	gal/day
Recycled water	0	0	gal/day

2.69 ac-ft/year

Other Flushing Water Calculation

Daily volume needed for:

Feeding area flushing	0 gal/day
Housing area flushing	0 gal/day
Total other flushing volume	0 gal/day
Recycled water	0
	0.00 ac-ft/year

TOTAL COMMERCIAL COMPONENT 2.7 AC-FT/YEAR (2,400 gpd misc. washing)

Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.34	feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90		
Annual open water (lagoon) evaporation	3.91	feet	
Manual override: Input annual lagoon evap		feet	
Total lagoon water surface area at full	424232	sq. ft.	
Total lagoon bottom area	407098	sq. ft.	
Average surface area when water is present	207833	sq. ft. =	4.77 ac
Total lagoon evaporation	18.65	ac-ft/year	

B. Animal usage: milk, metabolism, and excretion loss

	Milking	Dry	
Waste excretion volume per cow	1.3	1.3	ft^3/day/1000lb
Water content	87.5	88.4	%
Total water volume in excrement	0	90284	gal/day
Percent of excrement flushed to lagoons	15	% (based on areas which are flushed)	
Consumptive use (evap.) of water in excrement	85	%	
Consumptive use (evap.) volume	76741	gal/day	
Excrement c.u. attributable to drinking water	75633	gal/day	
Total milk production - assume 100% leaves site	0	lbs/day or	0 gal/day
Water content of milk	0	gal/day	
Water content attributable to drinking water	0	gal/day	
Water use for animal metabolism	46255	gal/day	
Metabolism water attributable to drinking water	45587	gal/day	
Consumptive use - replacement herd (100%)	20602	gal/day	
Total animal consumptive use from drinking water	141821	gal/day or	158.9 ac-ft/year
Percent of drinking water intake	103.9	%	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2	%	
Free stall total area	0	sq. ft. =	0.00 acres
Length of time free stall concrete is wet	1	hr/day	
Average evaporation from wet concrete	0.15	in./day	
Sprinkler system loss volume	0.00	ac-ft/year	
Free stall evaporation volume	0.00	ac-ft/year	
Total cleanup loss	0.00	ac-ft/year	

D. Land application site

Crop evapotranspiration	3.15	ac-ft/ac/year
Irrigation diversion volume	3.94	ac-ft/ac/year
System efficiency	80	%
Waste water volume to lagoons	19.9	ac-ft/year
Waste water volume available for land application	1.2	ac-ft/year
Total crop consumptive use of waste water	0.9	ac-ft/year

Summary

Drinking Water

Milking herd	0.0	
Non-milking herd (dry cows)	153.0	
Replacement herd (calves and heifers)	23.1	
Total drinking water volume	176.0 ac-ft/year	

Commercial

Milking parlor	0.00	
Holding pen and cleanup	2.7	
Other flushing water	0.00	
Total commercial volume	2.7 ac-ft/year	
TOTAL DIVERSION VOLUME REQUIREMENT	**178.7 AC-FT/YR**	✓

Consumptive Use

Lagoon evaporation	18.65	
Animal milk, excretion, & metabolism	158.9	
Parlor and holding pen cleanup	0.00	
Crop consumptive use on land application	0.9	
Total consumptive use	178.4 ac-ft/year	
Percent of diversion volume consumed	99.8 %	
Annual crop consumptive use - IDWR allowable	2.6 afa	(Hazelton Sugarbeets)
Equivalent irrigated acres	68.6 acres	
Diversion volume to acres conversion factor	**2.60 ac-ft/ac**	

State of Idaho
DEPARTMENT OF WATER RESOURCES
1341 Fillmore Street, Suite 200, Twin Falls ID 83301-3380
Phone: (208) 736-3033 FAX: (208) 736-3037

SOUTHERN REGION

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

May 12, 2006

Big Sky Farms LP
PO Box 5178
Twin Falls, ID 83303-5178

RE: App For Transfer 72435 (Eden Feedlot)

Dear Don;

I have come to some initial conclusions regarding this transfer, and want to share them with you to get your thoughts:

1) The application appears to be approvable with standard conditions (with a little fixing).

2) I changed the applicant address as we discussed.

3) Right 36-2373 shows Sec. 36 in Range 19E; should be changed to 18E in transfer.

4) Based on data supplied by Jack McCall, I propose to allow 9.0 afa for the existing stockwater use on the farm. This leaves 228.2 afa to be supplied by the irrigation right.

5) Assuming that you will be pumping stockwater continuously every minute of the year, a flow of 0.33 cfs is needed to produce the requested volume. I propose to limit the existing diversion rate for stockwater to 0.31 cfs. The minimum diversion rate required to produce the volume to be supplied by the irrigation right is 0.32 cfs. The rate appurtenant to the acres being dried up is 0.79 cfs. Do you want to leave the extra 0.47 cfs on the remaining irrigated land? Unless you plan to use storage tanks to supply the high flow rates needed when lots of animals are drinking, the minimum continuous diversion rates discussed above will probably not adequately operate the system.

6) The wells all need to be described to the qqq; I will make the appropriate data entries.

7) Commercial use (dust control) is requested for year-round use, but Jack told me that it will only occur from about mid-May thru October. Can I correct the application to show only this period?

8) Once these issues are resolved, I will produce a corrected application for your signature.

9) Once this application is (hopefully) approved, I strongly suggest that another transfer be filed to tie both the irrigation wells together and to create a permissible place of use of all the irrigated land on this farm. The wells have historically been used this way, but the SRBA decrees do not reflect this. Technically, water under each of the 2 irrigation rights is being used on land that it is not legally appurtenant to.

Regards,

James E. Stanton
Sr. Water Resource Agent

EXHIBIT
9

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1

Name of applicant BIG SKY FARMS LIMITED PARTNERSHIP Phone 208 731-6530

Post Office address P.O. BOX 5178, TWIN FALLS, IDAHO 83303

A. PURPOSE OF TRANSFER

1. ☐ Change point of diversion ☒ Add diversion point ☒ Change place of use
   ☒ Change nature of use ☒ Change period of use ☐ Other _____
2. Describe the reason for the proposed changes DEVELOP CALF FACILITIES

B. DESCRIPTION OF RIGHT(S) OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1.

Right Number	Priority	Amount (cfs/ac-ft)	Nature of Use	Period of Use
36-2373	1/16/1959	0.312/226.0	Stock/comm.	JAN 1 to 12/31
36-15056	3/02/1959	SEEATACHMENT		JAN 1 to 12/31
36-15057	3/01/1959	0.23 CFS	Stockwater	JAN 1 to 12/31
36-15057	3/01/1959	0.04 CFS	Domestic	JAN 1 to 12/31

2. Total amount of water being transferred 0.662 cubic feet per second and/or 226.0 acre-feet per annum.
3. Source of water GROUNDWATER tributary to _____
4. Point(s) of Diversion: (4 WELLS)

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
		SE	SE	1	9S	18E	Jerome	1 WELL
		SE	SE	36	8S	18E	Jerome	1 WELL
	SW	NE	SE	36	8S	18E	Jerome	1 WELL
	X	NE	NW	36	8S	18E	Jerome	1 WELL

5. Lands irrigated or place of use: (X) CALF FACILITIES (C)COMMERCIAL-DUSTCONTROL (D)DOMESTIC

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
09S	18E	1	X-C			X-C													
		36													X-C			XDC	
09S	19E	6						X-C	X-C			X-C			D				
								LT 4	LT 5			LT 6							

ATTACHMENT
PART 1

ADDITION TO FRONT PAGE

B. DESCRIPTION OF RIGHT (S) OR PROTION THEREOF,AFTER REQUESTED CHANGE

RIGHT NUMBER	PRIORITY	AMOUNT (CFS/AC-FT)	NATURE OF USE	PERIOD OF USE
36-15056	3/01/1959	0.12CFS	STOCKWATER	1/1 TO 12/31
36-15056	3/01/1959	0.06CFS	DOMESTIC	1/1 TO 12/31

PART 1

6. General Information:

a. Description of diversion system (4) WELLS

b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

☒ Yes ☐ No. If yes, provide a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes.

c. Describe the effect on the land now irrigated if the place of use is changed pursuant to this transfer:

87 ACRES Will no longer be irrigated from the well.

d. Remarks:

(X) STOCKWATER (C)COMMERCIAL-DUST CONTROL (D) DOMESTIC

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Transfer of Water Rights No. _____

And said application is hereby _____, subject to the following limitations and conditions:

Witness my hand this _____ day of _____, 19_____.

_____

Page _____ of _____ Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:
   a. Decree No. 36-2373 ✓ Decreed to _____
      in case of _____ vs. _____
      dated _____ in _____ county of _____
   b. License No. _____ issued by the Idaho Department of Water Resources.
   c. Claim No. _____ on file with the Idaho Department of Water Resources.
   d. Transfer No. _____ which produced this right.
2. Attach a copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. check appropriate box below.
   ☐ Tax notice ☐ Warranty Deed ☐ Other _____
3. Source of water GROUNDWATER tributary to _____
4. Date of priority 01/16/1959 ✓
5. Water is used for the following purpose:
   Amount (cfs/ac-ft) 3.22 CFS ✓ for Irrigation ✓ purposes from MARCH 15 to NOV. 15
   Amount (cfs/ac-ft) 1424 ACFT ✓ for Irrigation purposes from MARCH 15 to NOV. 15
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____
6. Total amount of water under right 3.22 ✓ cubic feet per second and/or 1424 acre-feet per annum.
7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
✓	SW	NE	SE	36	08S	18E	Jerome	

8. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
✓	08S	19E	31						12	10	27	21							70
									LT 2			LT3							
✓	08S	19E	36	16	34	40	36								40	40	40	40	286

Total acres 356 ✓

9. Describe any other water rights used for the same purpose as described above _____

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-2373

WATER RIGHT NUMBER: 36-2373

Owner Type	Name and Address
Directors Report Owner	DON MC FARLAND PO BOX 268 EDEN, ID 83325-0268 (208)825-5256
Attorney	WILLIAM R HOLLIFIELD HOLLIFIELD & TOLMAN PA 249 THIRD AVE E PO BOX 66 TWIN FALLS, ID 83303-0066 (208)734-0066
Current Owner	WALKER FARMS PARTNERSHIP 3794 E 3600 N HANSEN, ID 83334 (208)000-0000
Directors Report Owner	CAROL MC FARLAND PO BOX 268 EDEN, ID 83325-0268 (208)825-5256

Priority Date: 01/16/1959

Basis: Decreed

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Annual Volume
IRRIGATION	3/15	11/15	3.220 CFS	1,424.00 AF
		Total Diversion:	3.220 CFS	1,424.00 AF

Location of Point(s) of Diversion

GROUND WATER SW1/4NE1/4SE1/4 Sec. 36, Twp 08S, Rge 18E, B.M.

JEROME County

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
08S	19E	31							12.0 L 2	10.0	27.0	21.0 L 3							70.0
08S	19E	36	16.0	34.0	40.0	36.0									40.0	40.0	40.0	40.0	286.0

Total Acres: 356

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-2373

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Remarks:

Comments:

1. BEDKE 1/2/1991 ADM-STAFF REVIEW
Comment:

2. SCHULTZ 9/28/1992 NOTICE OF ERROR (NOE)
Comment: NOE RECEIVED 9/25/92. CHANGED NOE FLAG FROM BLANK TO A. CLAIM VERIFIED 3/11/92. DID NOT REVERIFY ANY PART OF CLAIM.

3. MERRITT 10/14/1992 RESPONDED TO NOE
Comment: LETTER SENT 10/14. CHANGED DESCRIPTION OF ACRES IN SECTION 31. APPEARS THAT THERE WAS AN ERROR MADE IN CREATION OF THE RECOMMENDATION BECAUSE THE FIELD EXAM & MAP SUPPORT THE NOE.

4. KCHRISTE 10/31/1997 RECOMMENDATION CHANGE AND CLAIM REFORMAT AND CHANGE OF OWNERSHIP
Comment: BASED UPON A SETTLEMENT CONFERENCE HELD ON 10-24-1997 10 ADDITIONAL ACRES WERE ADDED TO THE RECOMMENDED PLACE OF USE. THE DIVERSION VOLUME FIELD WAS CORRECTED TO REFLECT THE ADDED ACRES. THE OWNERSHIP WAS CHANGED BASED UPON THE SUBMITTED CHANGE OF OWNERSHIP FORM (42-1409(7)) AND ATTACHED WARRANTY DEEDS.

5. CFRITSCH 6/20/2000 REVISION
Comment: CORRECTED DIVERSION VOLUME IN WATER USES TO MATCH TOTAL DIVERSION VOLUME AND ADDED CONDITION C18.

SubCase:

SubCase Number: 36-2373
Class: 1
SF5 Filed Date: 3/20/1998
Special Master Recom Signed Date: 7/14/2000
Attorney Assigned: NICHOLAS B SPENCER
Adjudication Agent:
Basis of Claim:
Date Filed: 12/1/1995 Objection Status: Active

Water Supply Bank:

Page _____ of _____

Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:
   a. Decree No. 36-15056 Decreed to _____
      in case of _____ vs. _____
      dated _____ in _____ county of _____
   b. License No. _____ issued by the Idaho Department of Water Resources.
   c. Claim No. _____ on file with the Idaho Department of Water Resources.
   d. Transfer No. _____ which produced this right.
2. Attach a copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. check appropriate box below.
   ☐ Tax notice ☐ Warranty Deed ☐ Other _____
3. Source of water GROUNDWATER ✓ tributary to _____
4. Date of priority 03/01/1959 ✓
5. Water is used for the following purpose:
   Amount (cfs/ac-ft) 0.12 CFS ✓ for Stockwater ✓ purposes from JAN 1 ✓ to DEC 31
   Amount (cfs/ac-ft) 0.06 CFS ✓ for Domestic ✓ purposes from JAN 1 ✓ to DEC. 31
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____
6. Total amount of water under right 0.12 ✓ cubic feet per second and/or _____ acre-feet per annum.
7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SE	SE	SE	1	09S	18E	Jerome	

8. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
09S	18E	1																X	

Total acres _____

9. Describe any other water rights used for the same purpose as described above _____

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

10/18/2004

WATER RIGHT NO. 36-15056

Owner Type	Name and Address
Current Owner	CAROL MC FARLAND
Current Owner	DON MC FARLAND
	PO BOX 268
	EDEN, ID 83325-0268
	(208)825-5256
Attorney	J WALTER SINCLAIR
	PO BOX 366
	TWIN FALLS, ID 83303-0366

Priority Date: 03/01/1959
Basis: Decreed
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
STOCKWATER	1/01	12/31	0.12 CFS	
DOMESTIC	1/01	12/31	0.06 CFS	
Total Diversion			0.12 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SESESE	Sec. 01	Township 09S	Range 18E	JEROME County

Place(s) of use:

Place of Use Legal Description: STOCKWATER JEROME County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
09S	18E	1		SESE										

Place of Use Legal Description: DOMESTIC JEROME County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
09S	18E	1		SESE										

Conditions of Approval:

1.	N13	THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 13,000 GALLONS PER DAY.
2.	N11	THE QUANTITY OF WATER DECREED FOR THIS WATER RIGHT IS NOT A DETERMINATION OF HISTORICAL BENEFICIAL USE.

Remarks:

1.	Explanatory	PARCEL NO. RL09S18E010001 STOCKWATER/565 CATTLE OR 3400 SHEEP

Dates:
Licensed Date:
Decreed Date: 12/13/1996
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Water Supply Bank Enrollment Date Accepted:
Water Supply Bank Enrollment Date Removed:
Application Received Date:
Protest Deadline Date:
Number of Protests: 0

Other Information:
State or Federal: S
Owner Name Connector: AND
Water District Number:

Generic Max Rate per Acre:
Generic Max Volume per Acre:
Civil Case Number:
Old Case Number:
Decree Plantiff:
Decree Defendant:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Page _____ of _____ Transfer No. _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 2

(Attach one copy for each right)

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right evidenced by:
   a. Decree No. 36-15057 Decreed to _____
      In case of _____ vs. _____
      dated _____ in _____ county of _____
   b. License No. _____ issued by the Idaho Department of Water Resources.
   c. Claim No. _____ on file with the Idaho Department of Water Resources.
   d. Transfer No. _____ which produced this right.
2. Attach a copy of last year's tax notice for the property to which the water right is appurtenant or other documents which show ownership. Label document as attachment A. check appropriate box below.
   ☐ Tax notice ☐ Warranty Deed ☐ Other _____
3. Source of water GROUNDWATER ✓ tributary to _____
4. Date of priority 03/01/1959 ✓
5. Water is used for the following purpose:
   Amount (cfs/ac-ft) 0.23 CFS for Stockwater purposes from JAN 1 to DEC 31
   Amount (cfs/ac-ft) 0.04 CFS for Domestic purposes from JAN 1 to DEC. 31
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____
6. Total amount of water under right 0.12 cubic feet per second and/or ____
7. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	
	SE	SE	SE	36	08S	18E	Jerome	

8. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4			
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4
08S	18E	36												

Total acres _____

9. Describe any other water rights used for the same purpose as described above _____

Close

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

10/18/2004

WATER RIGHT NO. 36-15057

Owner Type	Name and Address
Current Owner	CAROL MC FARLAND
Current Owner	DON MC FARLAND
	PO BOX 268
	EDEN, ID 83325-0268
	(208)825-5256
Attorney	J WALTER SINCLAIR
	PO BOX 366
	TWIN FALLS, ID 83303-0366

Priority Date: 03/01/1959
Basis: Decreed
Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume
STOCKWATER	1/01	12/31	0.23 CFS	
DOMESTIC	1/01	12/31	0.04 CFS	
Total Diversion			0.23 CFS	

Location of Point(s) of Diversion:

GROUND WATER	SESESE	Sec. 36	Township 08S	Range 18E	JEROME County

Place(s) of use:

Place of Use Legal Description: STOCKWATER JEROME County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
08S	18E	36		SESE										

Place of Use Legal Description: DOMESTIC JEROME County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
08S	18E	36		SESE										

Conditions of Approval:

1.	N13	THE QUANTITY OF WATER UNDER THIS RIGHT SHALL NOT EXCEED 13,000 GALLONS PER DAY.
2.	N11	THE QUANTITY OF WATER DECREED FOR THIS WATER RIGHT IS NOT A DETERMINATION OF HISTORICAL BENEFICIAL USE.

Remarks:

1.	Explanatory	PARCEL NO. RL08S18E360001 STOCKWATER/1000 BEEF STOCK

Dates:
Licensed Date:
Decreed Date: 12/13/1996
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Water Supply Bank Enrollment Date Accepted:
Water Supply Bank Enrollment Date Removed:
Application Received Date:
Protest Deadline Date:
Number of Protests: 0

Other Information:
State or Federal: S
Owner Name Connector: AND
Water District Number:

Generic Max Rate per Acre:
Generic Max Volume per Acre:
Civil Case Number:
Ad Case Number:
Decree Plantiff:
Decree Defendant:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

Close

Page _____ of _____ **PART 2** Transfer No._____

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

No If yes, describe _____

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

(if the entire right is to be changed by the applicant, omit part B and C)

1. Amount 0.79 CFS for Irrigation purposes from MARCH 15 to NOV. 15 (cfs/ac-ft)
   Amount 348 ACFT for Irrigation purposes from MARCH 15 to NOV. 15 (cfs/ac-ft)
   Amount 226.2 ACFT for Stockwater purposes from JAN 1 to DEC. 31 (cfs/ac-ft)

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion

3. Lands irrigated or place of use:

			NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
Twp.	Rge.	Sec.	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
8S	19E	36													13	5	33	36	87

Total acres 87 ✓

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT *(omit if there is no change)*

1. Amount 2.43 CFS for Irrigation purposes from MARCH 15 to NOV.15 (cfs/ac-ft)
   Amount 1076 ACFT for Irrigation purposes from MARCH 15 to NOV.15 (cfs/ac-ft)
   Amount _____ for _____ purposes from _____ to _____ (cfs/ac-ft)

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	NE	SE	36	8S	18E	Jerome	

3. Lands irrigated or place of use:

			NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
Twp.	Rge.	Sec.	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
8S	19E	31							12	10	27	21							70
									LT 2			LT 3							
8S	18E	36	16	34	40	36									27	35	7	4	199

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. _____

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.

SCALE: 2 inches equals 1 mile. Draw plan in ink.

Page _____ of _____ Transfer No. _____

PART 3

B. CHANGES IN NATURE OF USE

1. New Nature of Use	Amount (cfs/ac-ft)	Hours/days/year	Period of Use
Stockwater	0.79/226	AS NEEDED	JAN 1 to DEC.31
			to

2. Quantity and quality of return flows and location of discharge:

3. Describe the effects on other water uses resulting from the proposed change:

NONE

I hereby assert that no one will be injured by such change and that the change does not constitute an enlargement in use of the original right. The information contained in this application is true to the best of my knowledge.

I understand that any willful misrepresentations made in this application may result in voiding its approval.

Big Sky Limited Partnership by Don McDonald

Don McDonald

(Signature of Applicant)

Subscribed and sworn to before me this 3rd day of October, 2005

MICHAEL J. MEADE NOTARY PUBLIC STATE OF IDAHO

Michael J. Meade

(Notary Public)

My commission expires June 30, 2011

FOR DEPARTMENT USE ONLY

Transfer contains _____ pages and _____ attachments

Received by _____ Date _____ Protest filed by _____

Prelim. check by _____ Fee _____

Receipted by _____ Date _____

Published in _____ Copies of protest forwarded by _____

Pub. dates _____ Hearing held by _____ Date

Watermaster recommendation requested on _____ Recommended for [ ] Approval [ ] Denial

_____ rec'd. _____ by _____

Copy of transfer sent to lien holder _____

Page _____ of _____ **PART 2** Transfer No._____

10. To your knowledge, has any portion of this water right undergone a period of five or more consecutive years of non-use?

No If yes, describe _____

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

(If the entire right is to be changed by the applicant, omit part B and C)

1. Amount (cfs/ac-ft) 0.79 CFS for Irrigation purposes from MARCH 15 to NOV. 15
   Amount (cfs/ac-ft) 348 ACFT for Irrigation purposes from MARCH 15 to NOV. 15
   Amount (cfs/ac-ft) 226.2 ACFT for Stockwater purposes from JAN 1 to DEC. 31

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
		SW	SE	1	9S	18E	Jerome	
		SE	SE	36	8S	18E	Jerome	
	SW	NE	SE	36	8S	18E	Jerome	
		NE	NW	36	8S	18E	Jerome	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
8S	19E	36													13	5	33	36	87

Total acres 87

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT *(omit if there is no change)*

1. Amount (cfs/ac-ft) 2.43 CFS for Irrigation purposes from MARCH 15 to NOV.15
   Amount (cfs/ac-ft) 1076 ACFT for Irrigation purposes from MARCH 15 to NOV.15
   Amount (cfs/ac-ft) _____ for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	1/4	1/4	1/4	Sec.	Twp.	Rge	County	Local name for diversion
	SW	NE	SE	36	8S	18E	Jerome	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
8S	19E	31							12	10	27	21							70
									LT 2			LT 3							
8S	18E	36	16	34	40	36									27	35	7	4	199

FEE SCHEDULE

Transfer fees (cfs = cubic feet per second – AF = Acre feet)

cfs	AF		cfs	AF	
0.00 – 0.20	0 – 20	$100.00	11.01 – 12.00	1101 – 1200	$690.00
0.21 – 1.00	21 – 100	$250.00	12.01 – 13.00	1201 – 1300	$730.00
1.01 – 2.00	101 – 200	$290.00	13.01 – 14.00	1301 – 1400	$770.00
2.01 – 3.00	201 – 300	$330.00	14.01 – 15.00	1401 – 1500	$810.00
3.01 – 4.00	301 – 400	$370.00	15.01 – 16.00	1501 – 1600	$850.00
4.01 – 5.00	401 – 500	$410.00	16.01 – 17.00	1601 – 1700	$890.00
5.01 – 6.00	501 – 600	$450.00	17.01 – 18.00	1701 – 1800	$930.00
6.01 – 7.00	601 – 700	$490.00	18.01 – 19.00	1801 – 1900	$970.00
7.01 – 8.00	701 – 800	$530.00	19.01 – 20.00	1901 – 2000	$1010.00
8.01 – 9.00	801 – 900	$570.00	20.01 – 100.00	2001 – 10000	*
9.01 – 10.00	901 – 1000	$610.00	101.01 – 500.00	10001 – 50000	**
10.01 – 11.00	1001 – 1100	$650.00	500.01 & over	50001 & over	***

* $1010.00 plus $20.00 for each additional 1.0 cfs or part thereof or 100 acre feet or part thereof over the first 20.0 cfs or 2,000 acre feet.

** $2610.00 plus $10.00 for each additional 1.0 cfs or part thereof or 100 acre feet or part thereof over the first 100.0 cfs or 10,000 acre feet.

*** $6610.00 plus $2.00 for each additional 1.0 cfs or part thereof or 100 acre feet or part thereof over the first 500.0 cfs or 50,000 acre feet.

Form 223
07/2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

INSTRUCTIONS FOR FILING AN APPLICATION FOR TRANSFER OF A WATER RIGHT

Under Section 42-222, **Idaho Code**, any person entitled to the use of water under licensed, decreed or claimed water right(s) on record with the Department of Water Resources who wishes to change the point of diversion, place of use, period of use or nature of use of a water right(s) must apply to the Department for approval of the change.

The application consists of three parts: Part 1 describes the right(s), or portion thereof, as it will exist after the proposed change. This part will reflect any changes made in the four components of a water right listed above. Multiple water rights can be described in this section.

Part 2 describes a water right as it is presently recorded with the state. When the application proposes the transfer of a portion of the recorded right, that portion proposed to be transferred must be set forth in Part 2. For an application for transfer of multiple water rights, a separate Part 2 must be completed for each water right and made a part of the application.

Part 3 includes a grid for drawing a plat map or attaching a copy of a U.S.G.S. map to illustrate the locations for the point(s) of diversion and place(s) of use identified on Part 1. When a transfer proposes a change in the nature of use, this change should be clarified in Part 3.

PART 1

A. PURPOSE OF TRANSFER

1. Check the item or items that identify the purposes of this transfer.

2. Briefly explain why these changes are being requested.

B. DESCRIPTION OF RIGHT OR PORTION THEREOF, AFTER THE REQUESTED CHANGE

1. Write in the water right number, priority date, amount of water in cubic feet per second or acre feet if for storage, nature of use, and period of use (dates inclusive) for each right or portion of right proposed to be changed as a result of this transfer.

   EXAMPLE:

Right Number	Priority	Amount	Nature of Use	Period of Use
35-00199	*Apr. 1, 1956*	*4.0 cfs*	*Irrigation*	*Apr. 1* to *Nov. 1*
		0.5 cfs	*Stockwater*	*Jan. 1* to *Dec. 1*
35-09001	*Sept. 3, 1985*	*1200 acre-feet*	*Storage for irr.*	*Apr. 1* to *Nov. 1*
		1200 acre-feet	*Irr. from storage*	*Apr. 1* to *Nov. 1*

2. Write the total amount of water to be transferred. A water right given in miner's inches should be multiplied by 0.02 for conversion to cubic feet per second.

   EXAMPLE:

   Total amount of water being transferred: a. *4.0* cubic feet per second and/or *1200* acre feet per annum.

3. Write in the name of the source of the water recorded for diversion and beneficial use under the water right(s) being transferred.

4. Write in the legal description for the point(s) of diversion to be used after the change. Location should be described by U.S Government Lot and/or 40-acre tract subdivision, except for springs, the location of which must be described by ten-acre subdivision. The description must also state the county in which the diversion is located. When the diversion is known locally by a specific name, the name of the diversion should be listed.

EXAMPLE:

Lot	¼	¼	¼	Sec	Twp	Rge	County	Local name for diversion
4	*SW*	*NE*	*NW*	*14*	*10S*	*14E*	*Twin Falls*	*McCormick Ditch*

5. List the place of use of all water uses identified in item 1, Section B, above. The location should show township, range, section and each 40-acre tract where water will be used. To designate irrigation and irrigation storage, show the number of acres irrigated in each 40-acre tract. For uses other than irrigation, identify each use in the 40-acre tract using the symbol shown on the table below.

EXAMPLE:

Twn	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S	*14E*	*21*	*40*		*4*	*4*					*4*			*40*		*40*	*40*		*172*
10S	*14E*	*21*	*S*													*S*			

Total acres 172

Use Symbols:

Stockwater – S
Industrial – I
Commercial – C
Mining – X
Wildlife – W
Domestic – D
Fish Propagation – H
Fire Protection – F
Aesthetic – J
Heating – G
Cooling – L
Recreation – R
Power – P
Groundwater Recharge – E
Municipal – M

6. a. Describe the complete diversion system giving sizes and/or dimensions of pumps, pipelines, headgates, ditches, dams, impoundments, etc.

   b. If the application proposes a transfer of water rights from lands subject to legal encumbrance, written permission from the encumbrance holder must be submitted in affidavit form with the transfer application.

   c. If the transfer will change the place of use of the original water right(s), provide a brief statement explaining the future use of the land from which the water right(s) is being removed.

   d. The remarks section should be used to relate any pertinent information which might be helpful to the Department in understanding the purpose, benefits and effects of the transfer.

PART 2

A. DESCRIPTION OF RIGHT AS RECORDED

1. Right as evidenced by:

   a. If the right was established by a court decree, show the number of assigned to the right by the Department (if known), the name of the person to whom the right was decreed, the case in which the right was decreed, the date the decree was signed by the judge, the name of the court in which the decree was executed, and the county in which the court was located. (*Example: Decree No. **01-0324** Decreed to **John H. Doe** in the case of **John J. Doe** vs. **William R. Smith**, dated **June 15, 1921**, in the **4th District Court, County of Cassia.***)

   b. If the right is based on a license obtained through the statutory procedure of the State of Idaho, show the license number.

   c. If the right is based on a "Claim to a Water Right" established by the diversion and beneficial use of water, and is not recorded by a decree of court or license from the Department, indicate the claim number. If no claim has been filed, then a claim must be submitted before filling an Application for Transfer.

   d. If the right was previously transferred through the statutory procedure of the State of Idaho, show the transfer number assigned by the Department.

2. To change a water right, the applicant must provide proof of ownership of the land covered by the water right. If the water right is appurtenant to land owned by another party, the applicant must obtain both a notarized statement from the owner authorizing the transfer and proof the authorizing party owns the land. Verification of ownership can be satisfied by attaching a copy of last year's tax notice for the property to which the water right appurtenant or other documents which show ownership.

3. Give the source of water and the major stream to which it is a tributary.

4. Show the date of priority of the license or decreed right, or the priority claimed under a claim to a water right.

5. Show the amount of water in cubic feet per second or acre feet per annum, the use of the water, and also the period of the year during which the right is used. (*Example: Amount **3.2** cfs for **irrigation** purposes, from **April 1,** to **October 31.***)

6. Indicate the total amount of water as described in said right.

7. Write the legal description(s) for the point(s) of diversion that has been recorded for use with this water right. The description should be by the U.S Government Lot and/or 40-acre subdivision tract.

8. List the place of use of all uses identified in item 5 above. The location should show township, range, section and each 40-acre tract identified as a place of use by the water right. To designate the various uses of a water right, refer to item 5, Section B, Part 1.

9. List the water right number of any water right used for the same purpose. This includes any supplemental water rights from the same source or different sources.

10. This item must be completed for the application to be accepted.

B. DESCRIPTION OF PORTION OF RIGHT BEING TRANSFERRED

This portion of the application is to be completed if the applicant owns only a portion of the water right or if the change will separate a portion of the right from the original by diverting it through a different system. If the applicant owns all of the right and the application proposes a change of the entire right, part B should be left blank.

1. The quantity of water being transferred is normally determined by calculating the amount of water appurtenant to one acre and then multiplying by the number of acres listed in item 3 below, unless the amount of water is specifically stated in a warranty deed or instrument of conveyance.

2. List the legal description for the point(s) of diversion used to divert water to the place of use identified in item 3 below.

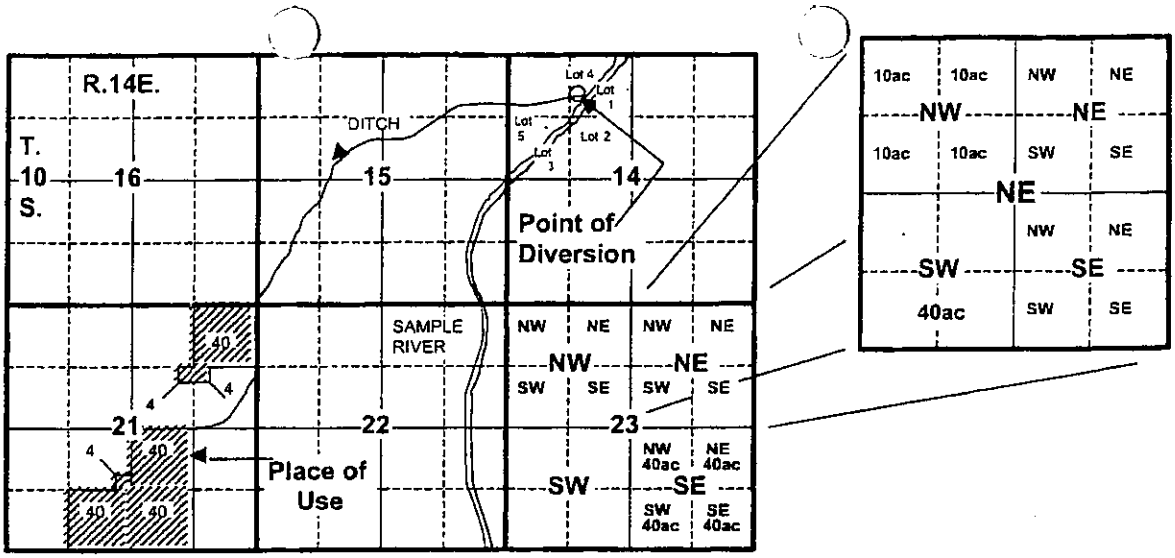
3. List the legal description for that portion of the right shown in item 5, Section B, Part 1 that will be affected by this transfer.

C. DESCRIPTION OF UNCHANGED PORTION OF RIGHT

PART 3

A. PLAT MAP

Prepare a plat map clearly showing the location of the points of diversion along with any stream, proposed reservoirs, dams, canals, ditches, pipelines, wells and other works proposed to be used in the conveyance and diversion of water. The map must also clearly show the location of lands to be irrigated or the place of use. Legal designations including townships, ranges, sections, and government lots must be evident or labeled for the map to be complete. In lieu of drawing a plat map, a copy of a U.S.G.S. quadrangle map with scale 1:24,000 can be attached to the application and the necessary components identified. An example of a correctly completed map is shown on the following page. For illustrative purposes, Section 23 has been labeled to show 10-acre, 40-acre, and 160-acre designations.



An aerial photo of the place of use and the point of diversion is always a beneficial addition to an application especially when the section corners have been labeled. An aerial photo, however, is **not** to be considered a substitute for the map.

B. CHANGE IN THE NATURE OF USE

1. When an application is filed intending to change the nature of use of a water right, it is extremely important that the new use be described fully. This description must include the rate at which water will be diverted, and the length of time the diversion will occur. The duration of use must specify how many hours per day the diversion will take place, the number of days the water will be used per year and the month and day when the use will commence and cease.

2. Normally some of the water diverted will return to the hydrologic system either in the form of runoff, seepage, percolation or waste water discharge. Inherent with the change in the nature of use may be a change in the quality of water not consumed. Both the quantity and the quality of return flows should be documented. A legal description of where the return flows are discharged should also be provided.

3. Changing the nature of use for a portion or all of a water right may impact other water users. These effects should be described whether or not they are beneficial or adverse. The application should be signed in the presence of a notary public and submitted to the regional office responsible for administrating water rights in the area where the transfer is proposed. The application must be accompanied by a filing fee, documentation to verify ownership, and, if necessary, authorization for filing the application.

FEE SCHEDULE BASED ON TOTAL QUANTITY TO BE TRANSFERRED

See Fee Schedule

Your application and fee may be submitted to one of the following offices:

Northern Region
Idaho Dept. of Water Resources
1910 Northwest Blvd., Suite 210
Coeur d'Alene, ID 83814
Tel. - 769-1450
FAX - 769-1454

Eastern Region
Idaho Dept.of Water Resources
900 N. Skyline Dr., Suite A
Idaho Falls, ID 83402
Tel. - 525-7161
FAX - 525-7177

Southern Region
Idaho Dept. of Water Resources
1341 Fillmore St., Suite 200
Twin Falls, ID 83301
Tel. - 736-3033
FAX - 736-3037

Western Region
Idaho Dept. of Water Resources
2735 Airport Way
Boise, ID 83705
Tel. - 334-2190
FAX - 334-2348

Dairy Water Use Requirements

Date 8/3/2005

	Owner/Operator Info	Facility Info
Name:	Don McFarland	Big Sky Farms
Address:	0	0
Telephone:	0	0
Fax:	0	0
City:	0	0
State:	0	0
Zip Code:	0	0
County:	Jerome	Jerome
GPS - Latitude	0	0
Longitude	0	0

Dairy Stock Water Requirements

Water Use estimates are based on Producer Determined Use of milk production

Animal Type	# of Animals	Animal Weight (lbs)	Animal Units	Drinking Requirement (gal/hd/day)	Total Drinking (gal/yr)	Reference
Heifer	13,444	750	10,083.0	15.0	73,605,900	Producer Supplied Information
none	0	0	0.0	0.0	0	0
none	0	0	0.0	0.0	0	0
none	0	0	0.0	0.0	0	0
none	0	0	0.0	0.0	0	0
none	0	0	0.0	0.0	0	0
none	0	0	0.0	0.0	0	0
Totals	13,444		10,083.0		73,605,900	

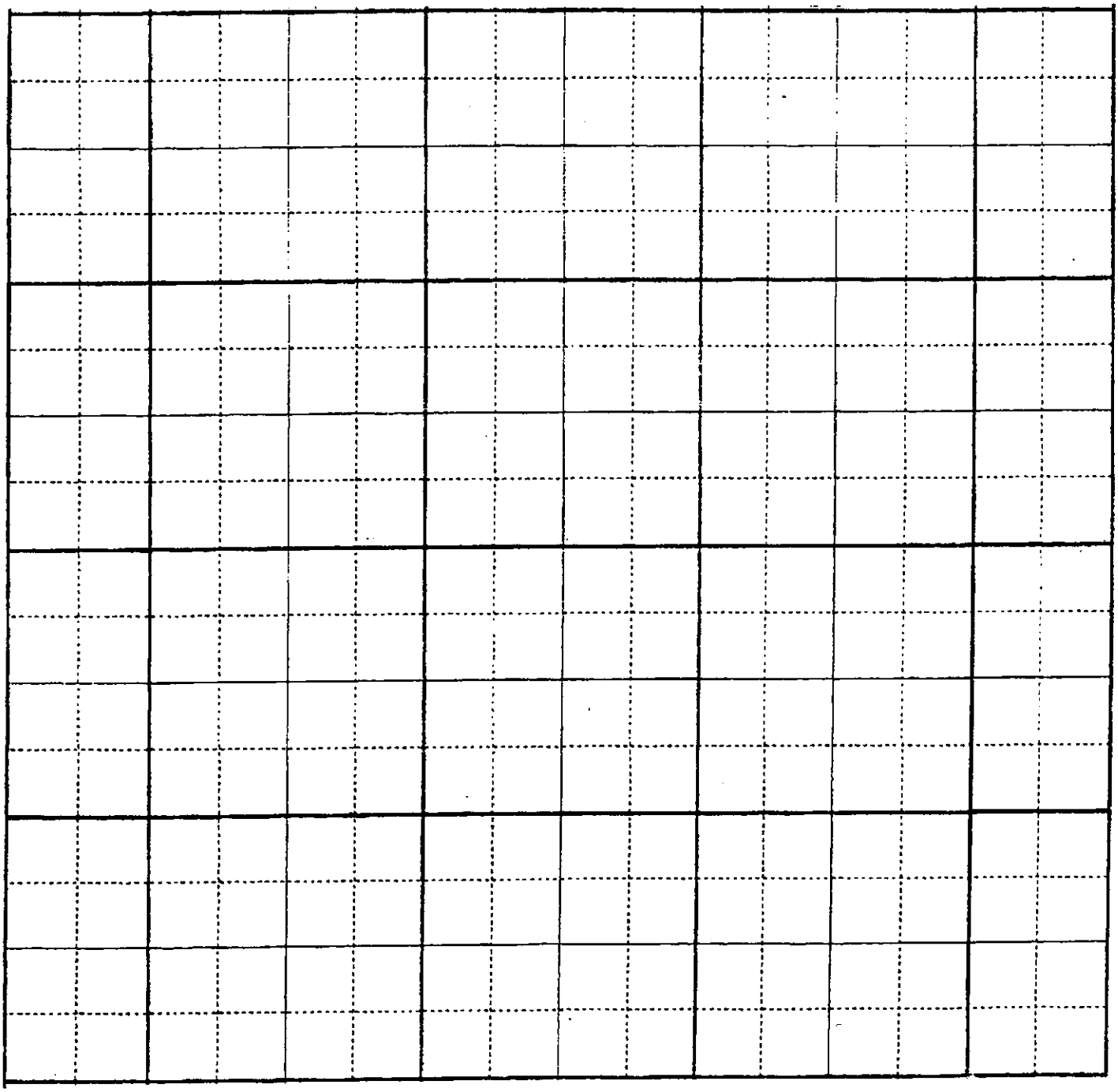
Stock water requirement in acre ft/ year 225.9
Stock water pumping diversion in cfs 0.312

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

A. Draw a map or attach a USGS map indicating the new point(s) of diversion and/or the new place of use for rights described in part 1. Clearly depict the land by section, township and range number.



SCALE: 2 inches equal 1 mile. Draw plan in ink.

Big Sky Farms

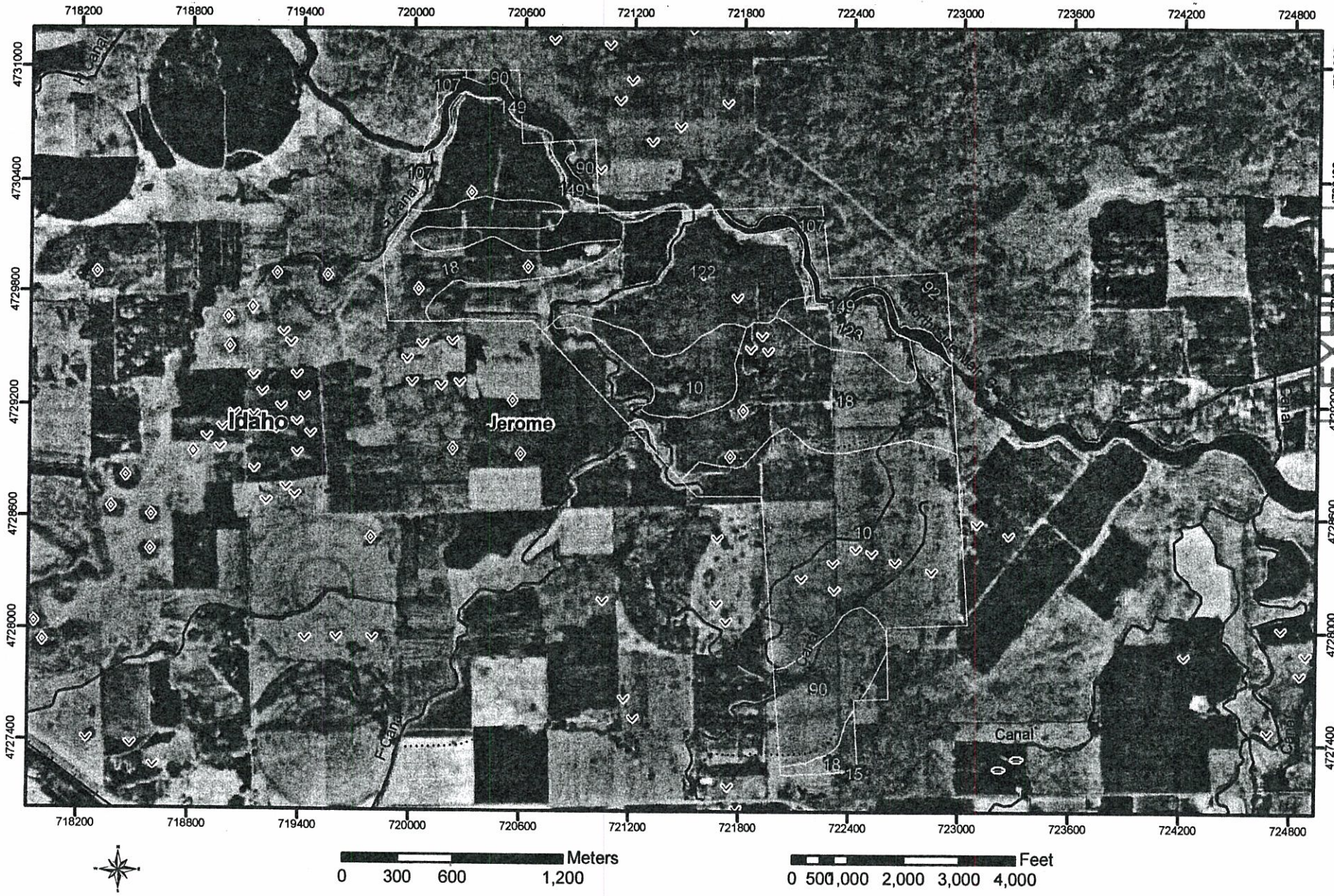


EXHIBIT 16

Big Sky Farms

MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 11

Soil Survey Area: Jerome County and Part of Twin Falls County, Idaho
Spatial Version of Data: 1
Soil Map Compilation Scale: 1:24000

Map comprised of aerial images photographed on these dates:
1992

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

Jerome County and Part of Twin Falls County, Idaho

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
10	Bahem silt loam, 1 to 4 percent slopes	351.7	27.9
15	Banbury-Rock outcrop complex, 2 to 20 percent slopes	0.1	0.0
18	Barrymore-Starbuck complex, 1 to 4 percent slopes	340.0	27.0
90	Power silt loam, 1 to 4 percent slopes	93.3	7.4
92	Power-Owinza-Rock outcrop complex, 1 to 8 percent slopes	25.7	2.0
107	Rock outcrop-Banbury-Paulville complex, 2 to 6 percent slopes	31.9	2.5
122	Shano silt loam, 1 to 4 percent slopes	330.9	26.3
123	Sluka silt loam, 1 to 4 percent slopes	43.1	3.4
149	Water	41.6	3.3

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

[Only those map units that have entries for the selected non-technical description categories are included in this report]

Map Unit: 10 - Bahem silt loam, 1 to 4 percent slopes

Description Category: Soi

10-Bahem silt loam, 1 to 4 percent slopes (BhB, EnA, EnB, PbA, PbB)

Composition
Bahem soil and similar inclusions-90 percent
Contrasting Inclusions-10 percent

Setting
Position on landscape: Terraces
Elevation: 3,500 to 4,500 feet
Average annual precipitation: 8 to 10 inches
Average annual air temperature: 48 to 50 degrees F
Frost-free season: 120 to 140 days

Characteristics of the Bahem Soil
Typical profile:
0 to 8 inches-light brownish gray silt loam
8 to 18 inches-pale brown silt loam
18 to 65 inches-very pale brown silt loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 10 to 11 inches
Potential rooting depth: 60 inches or more
Runoff: Slow
Hazard of water erosion: Slight
Hazard of wind erosion: Moderate

Contrasting Inclusions
Barrymore, Rad, and Shano soils on lower lying terraces; Dolman, Sluka, and Taunton soils on higher lying terraces; Power and Purdam soils on terraces; Tulch soils on stream terraces; areas of Rock outcrop

Use and Management
Major use: Irrigated cropland
Major management factor: Hazard of wind erosion
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Surface and sprinkler irrigation systems are suited to this soil.
o Production of irrigated crops is limited by the moderate hazard of wind erosion.
o The risk of wind erosion is reduced by maintaining crop residue on the surface, keeping tillage at a minimum, and keeping the surface of the soil rough.

Interpretive Groups
Land capability classification: IIe, irrigated, and VIc, nonirrigated

FOR ADDITIONAL INFORMATION YOU CAN DOWNLOAD THE COMPLETE SOIL SURVEY MANUSCRIPT FROM:
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 15 - Banbury-Rock outcrop complex, 2 to 20 percent slopes

Description Category: Soi

15-Banbury-Rock outcrop complex, 2 to 20 percent slopes (BRE)

Composition
Banbury soil and similar inclusions-55 percent
Rock outcrop-35 percent
Contrasting inclusions-10 percent

Setting
Position on landscape: Terraces
Elevation: 3,000 to 4,500 feet
Average annual precipitation: 8 to 10 inches
Average annual air temperature: 49 to 51 degrees F
Frost-free season: 120 to 140 days
Typical profile:
0 to 4 inches-pale brown loam
4 to 12 inches-pale brown loam
12 inches-bedrock
Depth class: Shallow to bedrock
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 2.0 to 3.5 inches
Potential rooting depth: 10 to 20 inches
Runoff: Medium
Hazard of water erosion: Moderate
Shrink-swell potential: Moderate

Characteristics of the Rock Outcrop
Kind of rock: Exposed basalt
Description of areas: Sharp, angular to semirounded, long, narrow lava flow pressure ridges ranging to a semirounded area that extends 1 foot to 10 feet above the adjacent landscape.

Contrasting Inclusions
Barrymore soils on terraces; Kecko, Paulville, Suepert, and Taunton soils on lower lying terraces; saline, somewhat poorly drained loam that is shallow to bedrock and is in depressional areas of terraces

Use and Management
Major use: Rangeland
Major management factors: Precipitation, depth to bedrock, available water capacity, areas of Rock outcrop, hazard of water erosion
Dominant vegetation in natural potential plant community: Banbury soil-bluebunch
wheatgrass, Wyoming big sagebrush
General management considerations:
o Forage production is limited by low precipitation, shallow rooting depth, and low available water capacity.
o Seeding is limited by the low precipitation, areas of Rock outcrop, and moderate hazard of water erosion.
o The use of equipment is limited by the areas of Rock outcrop.

Interpretive Group
Land capability classification: VIIs, nonirrigated
Range site: Banbury soil-Shallow loamy, 8 to 12 inch

FOR ADDITIONAL INFORMATION YOU CAN DOWNLOAD THE COMPLETE SOIL SURVEY MANUSCRIPT FROM:
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 18 - Barrymore-Starbuck complex, 1 to 4 percent slopes

Description Category: Soi

Map Unit: 18 - Barrymore-Starbuck complex, 1 to 4 percent slopes

18-Barrymore-Starbuck complex, 1 to 4 percent slopes (BIB)

Composition
Barrymore soil and similar inclusions-50 percent
Starbuck soil and similar inclusions-30 percent
Contrasting inclusions-20 percent

Setting
Position on landscape: Terraces
Elevation: 3,500 to 4,000 feet
Average annual precipitation: 9 to 11 inches
Average annual air temperature: 47 to 49 degrees F
Frost-free season: 130 to 140 days

Characteristics of the Barrymore Soil
Typical profile:
0 to 5 inches-yellowish brown silt loam
5 to 17 inches-yellowish brown silt loam
17 to 25 inches-very pale brown silt loam
25 inches-fractured bedrock
Depth class: Moderately deep to bedrock
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 5.0 to 8.5 inches
Potential rooting depth: 20 to 40 inches
Runoff: Slow
Hazard of water erosion: Slight

Characteristics of the Starbuck Soil
Typical profile:
0 to 5 inches-yellowish brown silt loam
5 to 18 inches-yellowish brown and light yellowish brown silt loam
18 inches-fractured bedrock
Depth class: Shallow to bedrock
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 2.5 to 3.5 inches
Potential rooting depth: 12 to 20 inches
Runoff: Slow
Hazard of water erosion: Slight

Contrasting Inclusions
Hoosegow, McCain, Minveno, Power, and Taunton soils on higher lying terraces; Owinza soils in depressional areas of terraces; Rad soils on lower lying terraces; areas of Rock outcrop

Use and Management
Major uses: Rangeland, irrigated cropland
Major management factors: Precipitation of both soils, depth to bedrock and available water capacity of the Starbuck soil

Rangeland
Dominant vegetation in natural potential plant community: Barrymore soil-Thurber needlegrass, Wyoming big sagebrush; Starbuck soil-bluebunch wheatgrass, Wyoming big sagebrush

General management considerations:
o Forage production is mainly limited by low precipitation and by the shallow rooting depth and low available water capacity of the Starbuck soil.
o Seeding is limited by the low precipitation.
o Seeding generally is most successful late in fall; however, it may not be successful in years when precipitation is below average during the growing season.

Irrigated Cropland
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Surface and sprinkler irrigation systems are suited to the soils in this unit.
o Production of irrigated crops is limited by the shallow rooting depth and low available water capacity of the Starbuck soil.

Interpretive Groups

Map Unit: 18 - Barrymore-Starbuck complex, 1 to 4 percent slopes
Land capability classification: IIIe, irrigated, and VIc, nonirrigated
Range site: Barrymore soil-Loamy, 8 to 10 inch precipitation zone; Starbuck soil-Shallow loamy, 8 to 12 inch precipitation zone

FOR ADDITIONAL INFORMATION YOU CAN DOWNLOAD THE COMPLETE SOIL SURVEY MANUSCRIPT FROM:
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit: 90 - Power silt loam, 1 to 4 percent slopes

Description Category: Soi

90-Power silt loam, 1 to 4 percent slopes (PPB)

Composition
Power soil and similar inclusions-85 percent
Contrasting inclusions-15 percent

Setting
Position on landscape: Terraces
Elevation: 3,500 to 4,500 feet
Average annual precipitation: 9 to 11 inches
Average annual air temperature: 47 to 49 degrees F
Frost-free season: 130 to 140 days

Characteristics of the Power Soil
Typical profile:
0 to 8 inches-brown silt loam
8 to 18 inches-pale brown silty clay loam
18 to 60 inches-very pale brown silt loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Moderately slow
Available water capacity: 11.0 to 12.5 inches
Potential rooting depth: 60 inches or more
Runoff: Slow
Hazard of water erosion: Slight
Shrink-swell potential: Moderate

Contrasting Inclusions
Bahem, Hoosegow, and Kecko soils on terraces; Banbury, Barrymore, Dolman, Elijah, and McCain soils on higher lying terraces; Owinza soils in depressional areas of terraces; Tulch soils on stream terraces

Use and Management
Major use: Irrigated cropland
Major management factor: Permeability
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Surface and sprinkler irrigation systems are suited to this soil.
o Because of the moderately slow permeability, the application of irrigation water should be adjusted to the water intake rate.

Interpretive Groups
Land capability classification: IIe, irrigated, and VIc, nonirrigated

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ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit: 92 - Power-Owinza-Rock outcrop complex, 1 to 8 percent slopes

Description Category: Soi

92-Power-Owinza-Rock outcrop complex, 1 to 8 percent slopes (PMC)

Composition
Power soil and similar inclusions-45 percent
Owinza soil and similar inclusions-35 percent
Rock outcrop-10 percent
Contrasting inclusions-10 percent

Setting
Position on landscape: Power soil-plane to convex areas of terraces, Owinza soil-concave areas of terraces
Elevation: 3,500 to 4,500 feet
Average annual precipitation: 9 to 11 inches
Average annual air temperature: 48 to 51 degrees F
Frost-free season: 120 to 140 days

Characteristics of the Power Soil
Slope range: 1 to 8 percent
Typical profile:
0 to 8 inches-pale brown silt loam
8 to 20 inches-light yellowish brown silt loam
20 to 34 inches-white loam
34 to 60 inches-light yellowish brown silt loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Moderately slow
Available water capacity: 10 to 12 inches
Potential rooting depth: 60 inches or more
Runoff: Medium
Hazard of water erosion: Moderate
Shrink-swell potential: Moderate

Characteristics of the Owinza Soil
Slope range: 1 to 3 percent
Typical profile:
0 to 4 inches-very pale brown silt loam
4 to 10 inches-yellowish brown clay
10 to 16 inches-very pale brown clay
16 to 23 inches-white silty clay loam
23 to 63 inches-very pale brown loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Very slow
Available water capacity: 6 to 8 inches
Potential rooting depth: 60 inches or more
Runoff: Slow
Hazard of water erosion: Slight
Shrink-swell potential: High
Salinity: Moderately saline between depths of 16 and 63 inches

Characteristics of the Rock Outcrop
Kind of Rock: Exposed basalt
Description of areas: Sharp, angular to semirounded, long, narrow ridges ranging to semirounded outcroppings that extend 1 foot to 10 feet above the adjacent landscape

Contrasting Inclusions
Banbury, Barrymore, McCain, and Starbuck soils on higher lying terraces; Kecko, Purdam, and Shano soils on lower lying terraces; Tulch soils on stream terraces; soils that are shallow to bedrock, are very cobbly loam over very gravelly loam, and are on ridges; very deep, poorly drained soils that are silt loam over silty clay and are in basins; barren areas that are 10 to 20 feet in diameter and are saline, are shallow and clayey, or are subject to ant activity

Use and Management
Major uses: Rangeland, irrigated cropland

Map Unit: 92 - Power-Owinza-Rock outcrop complex, 1 to 8 percent slopes

Major management factors: Precipitation, permeability, hazard of water erosion, areas of Rock outcrop

Rangeland
Dominant vegetation in natural potential plant community: Power soil-bluebunch wheatgrass, Wyoming big sagebrush; Owniza soil-bluebunch wheatgrass, basin big sagebrush
General management considerations:
o Forage production is limited by low precipitation.
o Seeding is limited by low precipitation and the areas of Rock outcrop.
o Seeding generally is most successful late in fall; however, it may not be successful in years when precipitation is below average during the growing season.
o The use of equipment is limited by the areas of Rock outcrop.

Irrigated Cropland
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Sprinkler irrigation is best suited to the Power soil, but surface irrigation can be used if the water is regulated to control erosion.
o Because of the moderately slow permeability of the Power soil and the very slow permeability of the Owinza soil, the application of irrigation water should be adjusted to the water intake rate.
o Production of irrigated crops is limited by the moderate hazard of water erosion on the Power soil and the areas of Rock outcrop.
o Regulating irrigation water helps to control runoff and erosion.

Interpretive Groups
Land capability classification: IIIe, irrigated, and VIe, nonirrigated
Range site: Power soil-Loamy, 8 to 12 inch precipitation zone; Owinza soil-Slick spot sodic, 8 to 12 inch precipitation zone

FOR ADDITIONAL INFORMATION YOU CAN DOWNLOAD THE COMPLETE SOIL SURVEY MANUSCRIPT FROM:
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 107 - Rock outcrop-Banbury-Paulville complex, 2 to 6 percent slopes

Description Category: Soi

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 107 - Rock outcrop-Banbury-Paulville complex, 2 to 6 percent slopes
107-Rock outcrop-Banbury-Paulville complex, 2 to 6 percent slopes (RBC)

Composition
Rock outcrop-40 percent
Banbury soil and similar inclusions-30 percent
Paulville soil and similar inclusions-15 percent
Contrasting inclusions-15 percent

Setting
Position on landscape: Banbury soil-plane to convex areas of terraces, Paulville soil-concave areas of terraces
Elevation: 3,500 to 4,500 feet
Average annual precipitation: 9 to 10 inches
Average annual air temperature: 49 to 51 degrees F
Frost-free season: 120 to 140 days

Characteristics of the Rock Outcrop
Kind of rock: Exposed basalt
Description of areas: Sharp, angular to semirounded, long, narrow ridges ranging to semirounded outcroppings that extend 1 foot to 10 feet above the adjacent landscape

Characteristics of the Banbury Soil
Typical profile: 5 to 9 inches-pale brown loam
9 to 15 inches-pale brown clay loam
15 inches-bedrock
Depth class: Shallow to bedrock
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 2.0 to 3.5 inches
Potential rooting depth: 10 to 20 inches
Runoff: Slow
Hazard of water erosion: Slight
Shrink-swell potential: Moderate

Characteristics of the Paulville Soil
Typical profile:
0 to 8 inches-pale brown loam
8 to 47 inches-pale brown clay loam
47 to 60 inches-light gray gravelly loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Moderately slow
Available water capacity: 9 to 12 inches
Potential rooting depth: 60 inches or more
Runoff: Slow
Hazard of water erosion: Slight
Shrink-swell potential: Moderate

Contrasting Inclusions
Emberton, Kecko, and Quincy soils on lower lying terraces; McCain, Sidlake, and Suepert soils in plane to convex areas of terraces; Owinza soils in depressional areas of terraces

Use and Management
Major use: Rangeland
Major management factors: Precipitation, available water capacity, depth to bedrock, areas of Rock outcrop
Dominant vegetation in natural potential plant community: Banbury and Paulville soils-bluebunch wheatgrass, Wyoming big sagebrush
General management considerations:
o Forage production is limited by the low precipitation and shallow rooting depth of the Banbury and Paulville soils and by the low available water capacity of the Banbury soil.
o Seeding is limited by low precipitation and the areas of Rock outcrop.
o The use of equipment is limited by the areas of Rock outcrop.

Interpretive Groups
Land capability classification: VIIs, nonirrigated
Range site: Banbury soil-Shallow loamy, 8 to 12 inch precipitation zone; Paulville soil-Loamy, 8 to 12 inch precipitation zone

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Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 107 - Rock outcrop-Banbury-Paulville complex, 2 to 6 percent slopes
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit: 122 - Shano silt loam, 1 to 4 percent slopes

Description Category: Soi

122-Shano silt loam, 1 to 4 percent slopes (SSB)

Composition
Shano soil and similar inclusions-85 percent
Contrasting inclusions-15 percent

Setting
Position on landscape: Terraces
Elevation: 3,500 to 4,000 feet
Average annual precipitation: 8 to 10 inches
Average annual air temperature: 47 to 49 degrees F
Frost-free season: 130 to 140 days

Characteristics of the Shano Soil
Typical profile:
0 to 5 inches-brown silt loam
5 to 10 inches-yellowish brown silt loam
10 to 29 inches-light yellowish brown silt loam
29 to 66 inches-pale brown silt loam
Depth class: Very deep
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 11.0 to 12.5 inches
Potential rooting depth: 60 inches or more
Runoff: Slow
Hazard of water erosion: Slight

Contrasting Inclusions
Bahem, Barrymore, Portneuf, Rad, and Sluka soils on higher lying terraces; Dolman and Paulville soils on terraces

Use and Management
Major use: Irrigated cropland
Major management factors: None
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Surface and sprinkler irrigation systems are suited to this soil.

Interpretive Groups
Land capability classification: IIc, irrigated, and VIc, nonirrigated

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ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 123 - Sluka silt loam, 1 to 4 percent slopes

Description Category: Soi

123-Sluka silt loam, 1 to 4 percent slopes (SIB)

Composition
Sluka soil and similar inclusions-90 percent
Contrasting inclusions-10 percent

Setting
Position on landscape: Terraces
Elevation: 3,500 to 4,000 feet
Average annual precipitation: 8 to 10 inches
Average annual air temperature: 49 to 51 degrees F
Frost-free season: 120 to 140 days

Characteristics of the Sluka Soil
Typical profile:
0 to 14 inches-pale brown silt loam
14 to 22 inches-white silt loam
22 to 39 inches-white lime- and silica-cemented hardpan over very pale brown silt loam
39 to 72 inches-pale brown loam
Depth class: Moderately deep to a hardpan
Drainage class: Well drained
Permeability: Moderate
Available water capacity: 3 to 6 inches
Potential rooting depth: 20 to 40 inches
Runoff: Slow
Hazard of water erosion: Slight
Hazard of wind erosion: Moderate

Contrasting Inclusions
Bahem, Minidoka, and Portneuf soils on terraces; Minveno soils on higher lying terraces; Owsel, Paulville, and Rad soils on lower lying terraces; Tulch soils on stream terraces

Use and Management
Major uses: Irrigated cropland, rangeland
Major management factors: Precipitation, hazard of wind erosion

Irrigated Cropland
General management considerations:
o Most climatically suited crops can be grown if irrigation water is provided.
o Surface and sprinkler irrigation systems are suited to this soil.
o Production of irrigated crops is limited by the moderate hazard of wind erosion.
o The risk of wind erosion is reduced by maintaining crop residue on the surface, keeping tillage at a minimum, and keeping the surface of the soil rough.

Rangeland
Dominant vegetation in natural potential plant community: Thurber needlegrass, Wyoming big sagebrush
General management considerations:
o Forage production is limited by low precipitation.
o Seeding is limited by low precipitation and the moderate hazard of wind erosion.
o Seeding generally is most successful late in fall; however, it may not be successful in years when precipitation is below average during the growing season.

Interpretive Groups
Land capability classification: IIIe, irrigated, and VIs, nonirrigated
Range site: Loamy, 8 to 10 inch precipitation zone

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Map Unit Description (Brief)

Jerome County and Part of Twin Falls County, Idaho

Map Unit: 149 - Water

Description Category: Soi

1-Ackett extremely gravelly clay loam, 2 to 10 percent slopes (ACD)

Composition
Ackett soil and similar inclusions-85 percent
Contrasting inclusions-15 percent

Setting
Position on landscape: Stream terraces (fig. 5)
Elevation: 4,900 to 5,600 feet
Average annual precipitation: 10 to 12 inches
Average annual air temperature: 46 to 49 degrees F
Frost-free season: 90 to 120 days

Characteristics of the Ackett Soil
Typical profile:
0 to 1 inch-pale brown extremely gravelly clay loam
1 inch to 6 inches-light brownish gray and pale brown clay
6 to 8 inches-light gray extremely cobbly clay
8 to 14 inches-very pale brown very gravelly clay loam
14 to 28 inches-white lime- and silica-cemented hardpan
28 to 50 inches-multicolored extremely gravelly sand
50 inches-bedrock
Depth class: Shallow to a hardpan
Drainage class: Well drained
Permeability: Very slow

Available water capacity: 1.5 to 3.0 inches
Potential rooting depth: 10 to 20 inches
Runoff: Slow
Hazard of water erosion: Slight
Shrink-swell potential: High
Salinity throughout profile: Low or moderate

Contrasting Inclusions
Arbidge soils on lower lying terraces; Chuska and Roseworth soils on higher lying terraces; Lankbush soils on foot slopes; soils that are deep to a hardpan, are loam over clay loam, and are on mounds; barren areas that are 10 to 20 feet in diameter and are saline, are shallow and clayey, or are subject to ant activity

Use and Management
Major use: Rangeland
Major management factors: Precipitation,
available water capacity, depth to the
hardpan, rock fragments in the surface layer
Dominant vegetation in natural potential plant community: Thurber needlegrass, black sagebrush
General management considerations:
o Forage production is limited by low precipitation, low available water capacity, and shallow rooting depth.
o Seeding is limited by low precipitation and rock fragments in the surface layer.

Interpretive Groups
Land capability classification: VIIs, nonirrigated
Range site: Shallow stony, 8 to 12 inch precipitation zone

FOR ADDITIONAL INFORMATION YOU CAN DOWNLOAD THE COMPLETE SOIL SURVEY MANUSCRIPT FROM:
ftp://ftp.or.nrcs.usda.gov/pub/soil/survey/jerome

Water Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	Ft	Ft				
10: Bahem	B	Low	Jan-Dec			---	---	None	---	None
15: Banbury	D	Medium	Jan-Dec			---	---	None	---	None
Rock outcrop	D	---	Jan-Dec			---	---	None	---	None
18: Barrymore	C	Low	Jan-Dec			---	---	None	---	None
Starbuck	D	Low	Jan-Dec			---	---	None	---	None
90: Power	B	Low	Jan-Dec			---	---	None	---	None
92: Power	B	Medium	Jan-Dec			---	---	None	---	None
Owinza	D	Medium	Jan-Dec			---	---	None	---	None
107: Rock outcrop	D	---	Jan-Dec			---	---	None	---	None
Banbury	D	Low	Jan-Dec			---	---	None	---	None
Paulville	B	Low	Jan-Dec			---	---	None	---	None
122: Shano	B	Low	Jan-Dec			---	---	None	---	None

Water Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	Ft	Ft				
123:										
Sluka	C	Medium	Jan-Dec			---	---	None	---	None
149:										
Water	---	---	Jan-Dec			---	---	None	---	None

Water Features

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

"Hydrologic soil groups" are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderat texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

"Surface runoff" refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates rela very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are very low, low, medium, high, and very high.

The "months" in the table indicate the portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

"Water table" refers to a saturated zone in the soil. The water features table indicates, by month, depth to the top ("upper limit") and base ("lower limit") of the saturated zone in most year of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic feat soil. A saturated zone that lasts for less than a month is not considered a water table.

"Ponding" is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates "sur depth" and the "duration" and "frequency" of ponding. Duration is expressed as "very brief" if less than 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and "very long" if more than 30 da is expressed as none, rare, occasional, and frequent. "None" means that ponding is not probable; "rare" that it is unlikely but possible under unusual weather conditions (the chance of ponc percent to 5 percent in any year); "occasional" that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and "frequent" that it occurs, on tl more than once in 2 years (the chance of ponding is more than 50 percent in any year).

"Flooding" is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

"Duration" and "frequency" are estimated. Duration is expressed as "extremely brief" if 0.1 hour to 4 hours, "very brief" if 4 hours to 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. "None" means that flooding is not probable; "very rare" that it is very unlikely but under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); "rare" that it is unlikely but possible under unusual weather conditions (the chance of to 5 percent in any year); "occasional" that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); "frequent" that it is likely to occur o normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and "very frequent" that it is likely to occur very normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasir little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based c less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Soil Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
10: Bahem	---	---	---	---	0	---	Low	High	Low
15: Banbury	Bedrock (lithic)	10-20	---	Indurated	0	---	Low	High	Low
Rock outcrop	Bedrock (lithic)	0	---	Indurated	0	---	---	---	---
18: Barrymore	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Moderate	Low
Starbuck	Bedrock (lithic)	12-20	---	Indurated	0	---	Low	Moderate	Low
90: Power	---	---	---	---	0	---	Low	High	Low
92: Power	---	---	---	---	0	---	Low	High	Low
Owinza	Natric	1-5	9-18	Noncemented	0	---	Low	High	Low
107: Rock outcrop	Bedrock (lithic)	0	---	Indurated	0	---	---	---	---
Banbury	Bedrock (lithic)	10-20	---	Indurated	0	---	Low	High	Low
Paulville	---	---	---	---	0	---	Low	High	Low
122: Shano	---	---	---	---	0	---	Moderate	High	Low

Soil Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
123:									
Sluka	Duripan	20-40	10-40	Indurated	0	---	Low	High	Low
149:									
Water	---	---	---	---	---	---	---	---	---

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of th layer, both of which significantly affect the ease of excavation. "Depth to top" is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

"Subsidence" is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of orga both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, ar subsidence, which results from a combination of factors.

"Potential for frost action" is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the s strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not ar drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least s Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

"Risk of corrosion" pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, textur content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installatior intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as "low," "moderate," or "high," is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical c the saturation extract.

For concrete, the risk of corrosion also is expressed as "low," "moderate," or "high." It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Physical Soil Properties

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
10:														
Bahem	0-8	---	---	10-18	1.40-1.50	4.00-14.11	0.16-0.18	0.0-2.9	1.0-3.0	.43	.43	5	4L	86
	8-65	---	---	10-18	1.45-1.60	4.00-14.11	0.15-0.17	0.0-2.9	0.0-0.5	.49	.49			
15:														
Banbury	0-4	---	---	10-15	1.40-1.50	4.00-14.11	0.16-0.18	0.0-2.9	1.0-3.0	.32	.32	1	5	56
	4-12	---	---	25-33	1.40-1.50	4.00-14.11	0.18-0.20	3.0-5.9	0.5-1.0	.28	.32			
	12-22	---	---	---	---	---	---	---	---	---	---			
Rock outcrop	0-60	---	---	---	---	---	---	---	---	---	---	---	---	---
18:														
Barrymore	0-5	---	---	8-14	1.50-1.60	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.49	.49	2	5	56
	5-17	---	---	14-20	1.50-1.60	4.00-14.11	0.19-0.21	0.0-2.9	0.5-1.0	.49	.49			
	17-25	---	---	8-18	1.45-1.65	4.00-14.11	0.17-0.21	0.0-2.9	0.0-0.5	.43	.43			
	25-35	---	---	---	---	---	---	---	---	---	---			
Starbuck	0-5	---	---	15-20	1.30-1.45	4.00-14.11	0.14-0.18	0.0-2.9	0.7-1.0	.43	.43	1	5	56
	5-18	---	---	14-18	1.30-1.50	4.00-14.11	0.13-0.18	0.0-2.9	0.0-0.5	.37	.43			
	18-28	---	---	---	---	---	---	---	---	---	---			
90:														
Power	0-8	---	---	18-22	1.30-1.50	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.43	.43	5	6	48
	8-18	---	---	24-35	1.20-1.50	1.41-4.23	0.16-0.21	3.0-5.9	0.5-1.0	.43	.43			
	18-60	---	---	15-20	1.35-1.55	4.00-14.11	0.16-0.18	0.0-2.9	0.0-0.5	.37	.37			

Physical Soil Properties

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
92:														
Power	0-8	---	---	18-22	1.30-1.50	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.43	.43	5	6	48
	8-20	---	---	24-35	1.20-1.50	1.41-4.23	0.16-0.21	3.0-5.9	0.5-1.0	.43	.43			
	20-60	---	---	15-20	1.35-1.55	4.00-14.11	0.16-0.18	0.0-2.9	0.0-0.5	.37	.37			
Owinza	0-4	---	---	20-26	1.40-1.50	1.41-4.23	0.14-0.17	0.0-2.9	1.0-2.0	.43	.43	2	6	48
	4-10	---	---	45-55	1.35-1.45	0.00-0.42	0.16-0.18	6.0-8.9	0.5-1.0	.24	.24			
	10-16	---	---	35-45	1.35-1.45	0.42-1.41	0.16-0.18	3.0-5.9	0.5-1.0	.28	.28			
	16-23	---	---	28-32	1.40-1.50	1.41-4.23	0.11-0.14	3.0-5.9	0.5-1.0	.43	.43			
	23-63	---	---	15-25	1.40-1.50	1.41-14.11	0.08-0.11	0.0-2.9	0.0-0.5	.28	.37			
107:														
Rock outcrop	0-60	---	---	---	---	---	---	---	---	---	---	---	---	---
Banbury	0-5	---	---	10-15	1.40-1.50	4.00-14.11	0.16-0.18	0.0-2.9	1.0-3.0	.32	.32	1	5	56
	5-15	---	---	25-33	1.40-1.50	4.00-14.11	0.18-0.20	3.0-5.9	0.5-1.0	.28	.32			
	15-25	---	---	---	---	---	---	---	---	---	---			
Paulville	0-8	---	---	15-22	1.25-1.30	4.00-14.11	0.13-0.15	0.0-2.9	1.0-2.0	.37	.37	5	6	48
	8-31	---	---	24-31	1.30-1.40	1.41-4.23	0.19-0.21	3.0-5.9	0.0-0.5	.32	.32			
	31-47	---	---	16-24	1.30-1.40	4.00-14.11	0.19-0.21	0.0-2.9	0.0-0.5	.32	.32			
	47-60	---	---	10-15	1.30-1.40	4.00-14.11	0.10-0.14	0.0-2.9	0.0-0.5	.20	.32			
122:														
Shano	0-10	---	---	5-10	1.20-1.40	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	10-29	---	---	5-10	1.25-1.50	4.00-14.11	0.19-0.21	0.0-2.9	0.5-1.0	.43	.43			
	29-66	---	---	5-10	1.15-1.45	4.00-14.11	0.19-0.21	0.0-2.9	0.0-0.5	.43	.43			

Physical Soil Properties

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
123:														
Sluka	0-14	---	---	8-12	1.50-1.60	4.00-14.11	0.14-0.20	0.0-2.9	1.0-2.0	.49	.55	3	4L	86
	14-22	---	---	12-18	1.25-1.50	4.00-14.11	0.13-0.20	0.0-2.9	0.5-1.0	.49	.49			
	22-39	---	---	---	---	0.01-0.42	0.00	---	---	---	---			
	39-72	---	---	5-10	1.45-1.60	4.00-14.11	---	0.0-2.9	0.0-0.5	.49	.49			
149:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Physical Soil Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimat on field observations and on test data for these and similar soils.

"Depth" to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective c limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

"Sand" as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a by weight, of the soil material that is less than 2 millimeters in diameter.

"Silt" as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage the soil material that is less than 2 millimeters in diameter.

"Clay" as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percen weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic c for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potenti hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

"Moist bulk density" is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33k moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centime material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other s The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root pene bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

"Saturated hydraulic conductivity (Ksat)" refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per s are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage sy septic tank absorption fields.

"Available water capacity" refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil f layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an es quantity of water actually available to plants at any given time.

"Linear extensibility" refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change betwe content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount ar clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to p Special design commonly is needed.

"Organic matter" is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil o activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Physical Soil Properties

"Erosion factors" are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in t per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the value, the more susceptible the soil is to sheet and rill erosion by water.

"Erosion factor Kw" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

"Erosion factor Kf" indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

"Erosion factor T" is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. T tons per acre per year.

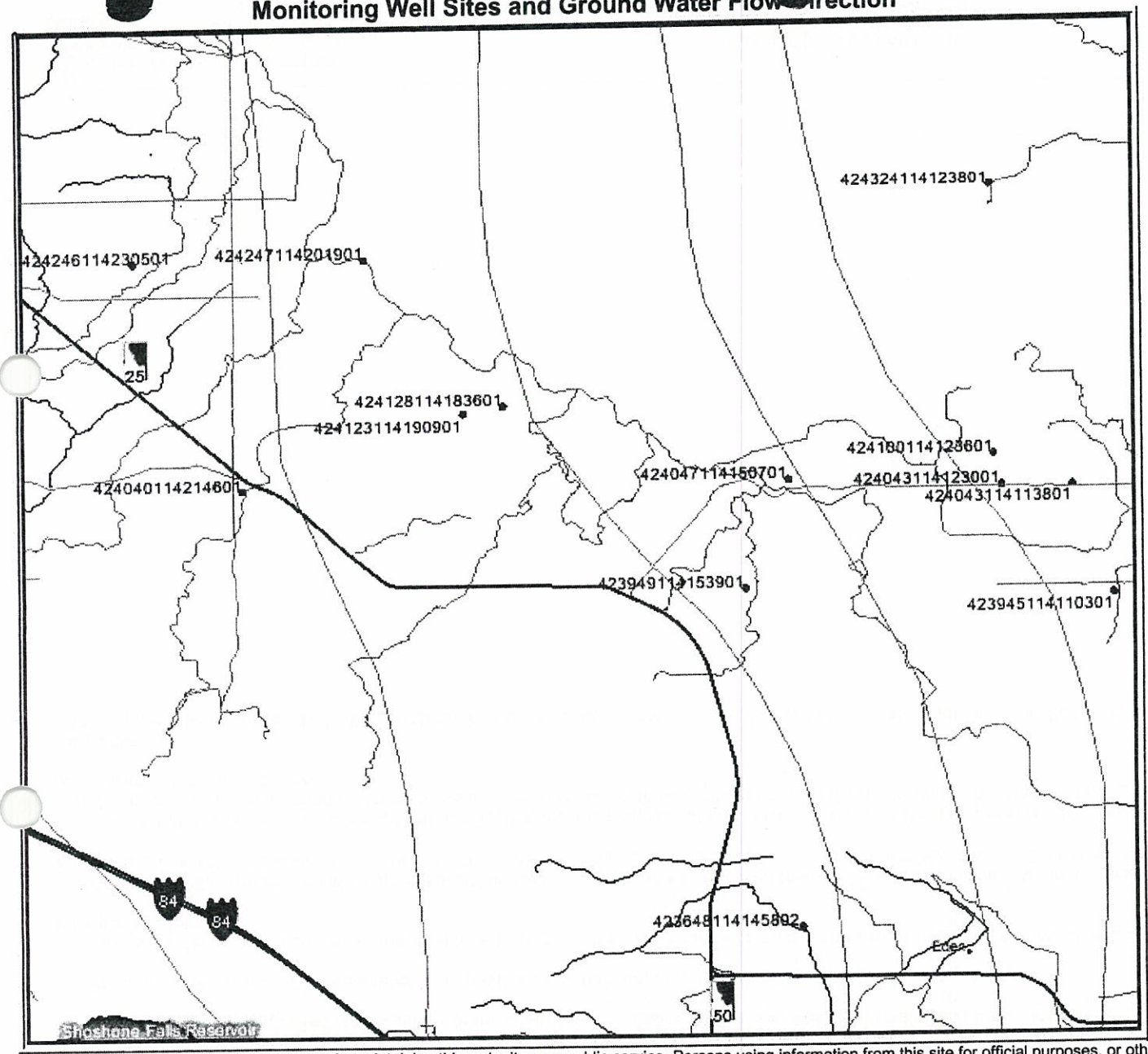
"Wind erodibility groups" are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

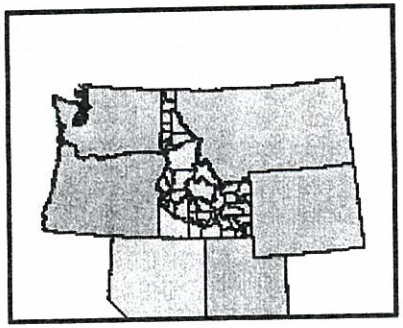
"Wind erodibility index" is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture an layers also influence wind erosion.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://www.soils.usda.gov)

Monitoring Well Sites and Ground Water Flow Direction

Created: June 27, 2006





Legend
Major Roads
Interstate
U.S. Highway
State Highway
Other
Lakes
Major Rivers
Rivers
Canals
Rivers
Small streams
Streams
Cities
Counties
Statewide Monitoring Program Wells
Groundwater Flow Contours Snake Plain
state

Prepared by the ArcIMS Map Server at:

Idaho Department of Water Resources
322 East Front Street, P.O. Box 83720
Boise, Idaho 83720-0098
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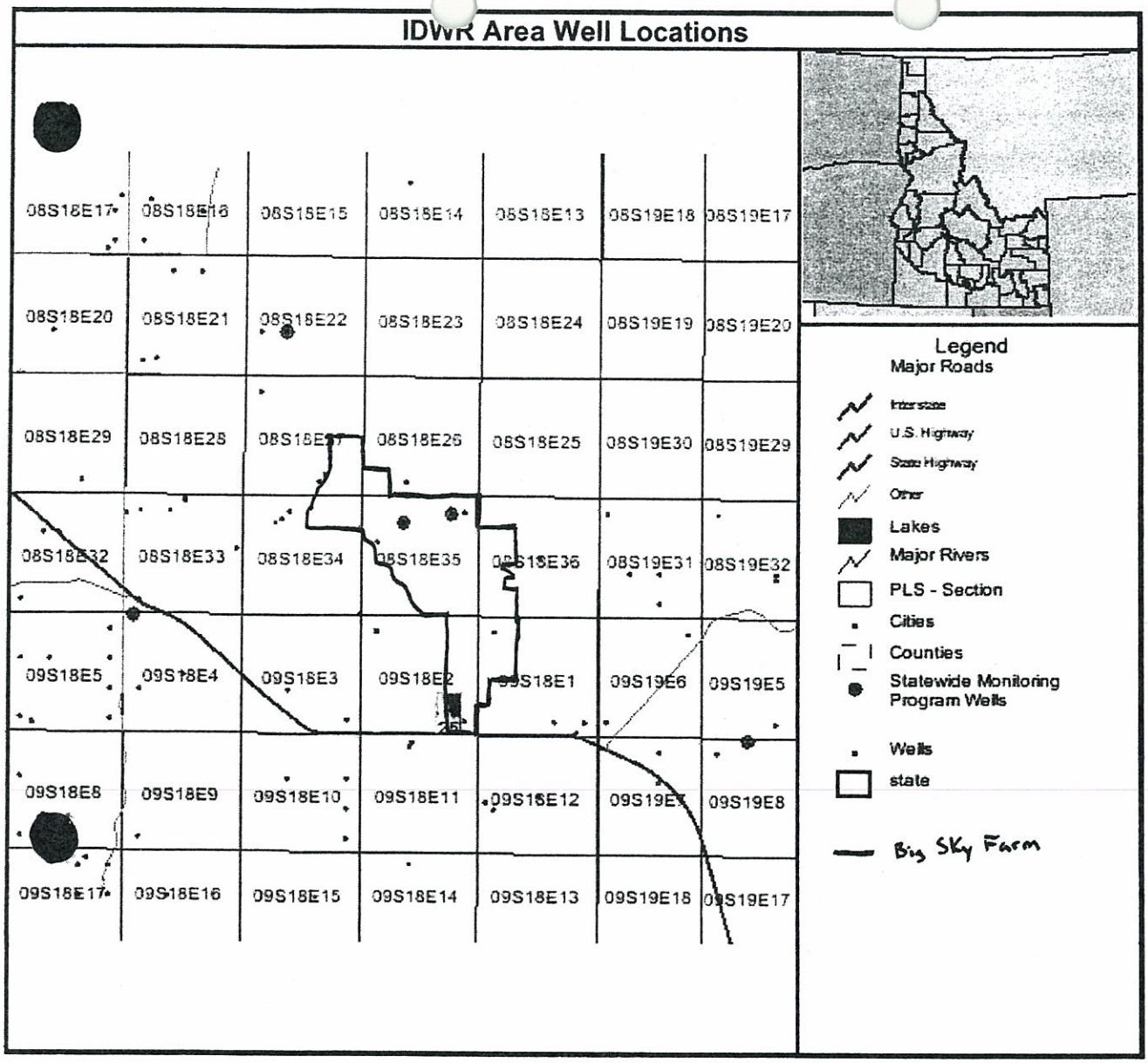
IDWR Area Well Locations
08S18E17
08S18E16
08S18E15
08S18E14
08S18E13
08S19E18
08S19E17
08S18E20
08S18E21
08S18E22
08S18E23
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08S19E30
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08S18E32
08S18E33
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08S18E36
08S19E31
08S19E32
09S18E5
09S18E4
09S18E3
09S18E2
09S18E1
09S19E6
09S19E5
09S18E8
09S18E9
09S18E10
09S18E11
09S18E12
09S19E7
09S19E8
09S18E17
09S18E16
09S18E15
09S18E14
09S18E13
09S19E18
09S19E17
Legend
Major Roads
Interstate
U.S. Highway
State Highway
Other
Lakes
Major Rivers
PLS - Section
Cities
Counties
Statewide Monitoring Program Wells
Wells
state
Big Sky Farm

Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 08S 18E 35AAC1 **Site ID:** 424128114183601

Well Characteristics

Legal: 08S 18E 35 SW NE NE
Latitude: 42° 41' 27" N
Longitude: 114° 18' 39" W
County: Jerome
Quad map: PERRINE
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3930 ft.
Well Depth: 325 ft.
Depth to Water: 229 ft.
Casing Depth: 0 ft.
Depth to Aquifer: 225 ft.
Water Use: Irrigation

Current Sampling Frequency: **Discontinued**

This well was sampled only in 1993.
The query returned 98 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
08/13/1993	Inorg & Field	Alkalinity	171	171	mg/L
08/13/1993	Inorg & Field	Ammonia	0.030	0.03	mg/L
08/13/1993	Inorg & Field	Arsenic	2	2	ug/L
08/13/1993	Inorg & Field	Bicarbonate	208	208	mg/L
08/13/1993	Inorg & Field	Cadmium	<1.0	BRL	ug/L
08/13/1993	Inorg & Field	Calcium	59	59	mg/L
08/13/1993	Inorg & Field	Carbonate	0	0	mg/L
08/13/1993	Inorg & Field	Chloride	52	52	mg/L
08/13/1993	Inorg & Field	Chromium	<1	BRL	ug/L
08/13/1993	Inorg & Field	Copper	2	2	ug/L
08/13/1993	Inorg & Field	Cyanide	<0.01	BRL	mg/L
08/13/1993	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
08/13/1993	Inorg & Field	Fluoride	0.50	0.5	mg/L
08/13/1993	Inorg & Field	Hardness	238	238	mg/L
08/13/1993	Inorg & Field	Iron	<3	BRL	ug/L
08/13/1993	Inorg & Field	Lead	<1	BRL	ug/L
08/13/1993	Inorg & Field	Magnesium	22	22	mg/L
08/13/1993	Inorg & Field	Manganese	<1	BRL	ug/L
08/13/1993	Inorg & Field	Mercury	<0.1	BRL	ug/L
08/13/1993	Inorg & Field	Nitrate	1.70	1.7	mg/L
08/13/1993	Inorg & Field	Nitrite	<0.010	BRL	mg/L
08/13/1993	Inorg & Field	pH	7.8	7.8	pH
08/13/1993	Inorg & Field	Phosphorus	0.010	0.01	mg/L
08/13/1993	Inorg & Field	Potassium	5.1	5.1	mg/L
08/13/1993	Inorg & Field	Selenium	<1	BRL	ug/L
08/13/1993	Inorg & Field	Silica	35	35	mg/L
08/13/1993	Inorg & Field	Sodium	35	35	mg/L
08/13/1993	Inorg & Field	Solids	387	387	mg/L
08/13/1993	Inorg & Field	Specific Conductance	667	667	uS/cm
08/13/1993	Inorg & Field	Sulfate	69	69	mg/L
08/13/1993	Inorg & Field	Water Temperature	14.2	14.2	°C
08/13/1993	Inorg & Field	Zinc	5	5	ug/L
08/13/1993	Pesticides (Immu)	2,4-D	BRL	BRL	ug/L
08/13/1993	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
08/13/1993	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
08/13/1993	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
08/13/1993	Pesticides (Immu)	Carbofuran	BRL	BRL	ug/L

08/13/1993	Pesticides (immu)	Metolachlor	BRL	BRL ug/L
08/13/1993	Radiochem	Alpha, Gross (as Americium)	0.9 ± 3	0.9 pCi/l
08/13/1993	Radiochem	Beta, Gross	4.2 ± 2.6	4.2 pCi/l
08/13/1993	VOCs	Benzene	<0.5	BRL ug/L
08/13/1993	VOCs	Bromobenzene	<0.5	BRL ug/L
08/13/1993	VOCs	Bromochloromethane	<0.5	BRL ug/L
08/13/1993	VOCs	Bromoform	<0.5	BRL ug/L
08/13/1993	VOCs	Bromomethane	<0.5	BRL ug/L
08/13/1993	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
08/13/1993	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
08/13/1993	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
08/13/1993	VOCs	Chlorobenzene	<0.5	BRL ug/L
08/13/1993	VOCs	Chloroethane	<0.5	BRL ug/L
08/13/1993	VOCs	Chloroform	<0.5	BRL ug/L
08/13/1993	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
08/13/1993	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
08/13/1993	VOCs	Dibromochloromethane	<0.5	BRL ug/L
08/13/1993	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
08/13/1993	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
08/13/1993	VOCs	Dibromomethane	<0.5	BRL ug/L
08/13/1993	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
08/13/1993	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
08/13/1993	VOCs	Dichloropropene,1,3 trans-	<0.5	BRL ug/L
08/13/1993	VOCs	Ethylbenzene	<0.5	BRL ug/L
08/13/1993	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
08/13/1993	VOCs	Isodurene	<0.5	BRL ug/L
08/13/1993	VOCs	Isopropylbenzene	<0.5	BRL ug/L
08/13/1993	VOCs	Methylene chloride	<0.5	BRL ug/L
08/13/1993	VOCs	Naphthalene	<0.5	BRL ug/L
08/13/1993	VOCs	Paraldehyde	<0.5	BRL ug/L
08/13/1993	VOCs	Styrene	<0.5	BRL ug/L
08/13/1993	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
08/13/1993	VOCs	Tetralin	<0.5	BRL ug/L
08/13/1993	VOCs	Toluene	<0.5	BRL ug/L
08/13/1993	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
08/13/1993	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
08/13/1993	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
08/13/1993	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
08/13/1993	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
08/13/1993	VOCs	Trichloroethylene	<0.5	BRL ug/L
08/13/1993	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
08/13/1993	VOCs	Trichloropropane	<0.5	BRL ug/L
08/13/1993	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
08/13/1993	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
08/13/1993	VOCs	Vinyl chloride	<0.5	BRL ug/L
08/13/1993	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	Indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

The data on these pages are maintained by The Water Quality group at the IDWR.

Idaho Department of Water Resources

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Boise, Idaho 83720-0098

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FAX: (208) 287-6700

Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 08S 18E 35BACD1 **Site ID:** 424123114190901

Well Characteristics

Legal: 08S 18E 35 SW NE NW
Latitude: 42° 41' 23" N
Longitude: 114° 19' 8" W
County: Jerome
Quad map: TWIN FALLS NE
Primary aquifer:

Altitude: 3908 ft.
Well Depth: 245 ft.
Depth to Water: ft.
Casing Depth: ft.
Depth to Aquifer: ft.
Water Use: Other

Current Sampling Frequency: **Managed Recharge**

Sample years: 2001 and 2002.
The query returned 127 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
06/13/2001	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Carbofuran	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Metolachlor	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Metribuzin	BRL	BRL	ug/L
06/13/2001	Radiochem	Alpha, Gross (as Thorium)	3.1 ± 3.5	3.1	pCi/l
06/13/2001	Radiochem	Beta, Gross	6.8 ± 2	6.8	pCi/l
06/13/2001	VOCs	Benzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromobenzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromochloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromoform	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Carbon Tetrachloride	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorobenzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloroethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloroform	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorotoluene,-o	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorotoluene-p	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromochloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL	ug/L
06/13/2001	VOCs	Dibromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,3-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,4-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorodifluoromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethane,1,1-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethane,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,1-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,1,3-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,2,2-	<0.5	BRL	ug/L

06/13/2001	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
06/13/2001	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Ethylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
06/13/2001	VOCs	Isopropylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
06/13/2001	VOCs	Methylene chloride	<0.5	BRL ug/L
06/13/2001	VOCs	Naphthalene	<0.5	BRL ug/L
06/13/2001	VOCs	n-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	n-Propylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Styrene	<0.5	BRL ug/L
06/13/2001	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
06/13/2001	VOCs	Toluene	<0.5	BRL ug/L
06/13/2001	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethylene	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
06/13/2001	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
06/13/2001	VOCs	Vinyl chloride	<0.5	BRL ug/L
06/13/2001	VOCs	Xylenes	<0.5	BRL ug/L
04/24/2002	Pesticides (Immu)	Acetochlor	BRL	BRL ug/L
04/24/2002	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
04/24/2002	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
04/24/2002	VOCs	Benzene	<0.5	BRL ug/L
04/24/2002	VOCs	Bromobenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Bromochloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Bromoform	<0.5	BRL ug/L
04/24/2002	VOCs	Bromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorobenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Chloroethane	<0.5	BRL ug/L
04/24/2002	VOCs	Chloroform	<0.5	BRL ug/L
04/24/2002	VOCs	Chloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromochloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
04/24/2002	VOCs	Dibromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Ethylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L

04/24/2002	VOCs	Isopropylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
04/24/2002	VOCs	Methylene chloride	<0.5	BRL ug/L
04/24/2002	VOCs	Naphthalene	<0.5	BRL ug/L
04/24/2002	VOCs	n-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	n-Propylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Styrene	<0.5	BRL ug/L
04/24/2002	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
04/24/2002	VOCs	Toluene	<0.5	BRL ug/L
04/24/2002	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethylene	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
04/24/2002	VOCs	Vinyl chloride	<0.5	BRL ug/L
04/24/2002	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	Indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU means Immunoassay (enzyme) testing.

The data on these pages are maintained by The Water Quality group at the IDWR.

Idaho Department of Water Resources

322. E. Front Street
Boise, Idaho 83720-0098

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Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 08S 19E 32DDC1 **Site ID:** 424047114150701

Metal Tag #: A0006841

Well Characteristics

Legal: 08S 19E 32 SW SE SE
Latitude: 42° 40' 46" N
Longitude: 114° 15' 9" W
County: Jerome
Quad map: PERRINE
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3950 ft.
Well Depth: 264 ft.
Depth to Water: 235.65 ft.
Casing Depth: 0 ft.
Depth to Aquifer: 240 ft.
Water Use: Domestic

Current Sampling Frequency: **Once Every 5 Years**

Sample years: 1994, 1998, and 2003.
The query returned 229 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
07/13/1994	Inorg & Field	Air Temperature	20.5	20.5	°C
07/13/1994	Inorg & Field	Alkalinity	166	166	mg/L
07/13/1994	Inorg & Field	Ammonia	0.020	0.02	mg/L
07/13/1994	Inorg & Field	Arsenic	3	3	ug/L
07/13/1994	Inorg & Field	Bicarbonate	203	203	mg/L
07/13/1994	Inorg & Field	Cadmium	<1.0	BRL	ug/L
07/13/1994	Inorg & Field	Calcium	51	51	mg/L
07/13/1994	Inorg & Field	Carbonate	0	0	mg/L
07/13/1994	Inorg & Field	Chloride	24	24	mg/L
07/13/1994	Inorg & Field	Chromium	<1	BRL	ug/L
07/13/1994	Inorg & Field	Copper	<1	BRL	ug/L
07/13/1994	Inorg & Field	Cyanide	<0.01	BRL	mg/L
07/13/1994	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
07/13/1994	Inorg & Field	Fluoride	0.60	0.6	mg/L
07/13/1994	Inorg & Field	Hardness	202	202	mg/L
07/13/1994	Inorg & Field	Iron	5	5	ug/L
07/13/1994	Inorg & Field	Lead	<1	BRL	ug/L
07/13/1994	Inorg & Field	Magnesium	18	18	mg/L
07/13/1994	Inorg & Field	Manganese	<1	BRL	ug/L
07/13/1994	Inorg & Field	Nitrate	0.360	0.36	mg/L
07/13/1994	Inorg & Field	Nitrite	<0.010	BRL	mg/L
07/13/1994	Inorg & Field	pH	7.5	7.5	pH
07/13/1994	Inorg & Field	Phosphorus	0.060	0.06	mg/L
07/13/1994	Inorg & Field	Potassium	4.3	4.3	mg/L
07/13/1994	Inorg & Field	Selenium	<1	BRL	ug/L
07/13/1994	Inorg & Field	Silica	28	28	mg/L
07/13/1994	Inorg & Field	Sodium	24	24	mg/L
07/13/1994	Inorg & Field	Solids	295	295	mg/L
07/13/1994	Inorg & Field	Specific Conductance	500	500	uS/cm
07/13/1994	Inorg & Field	Sulfate	43	43	mg/L
07/13/1994	Inorg & Field	Water Temperature	17.1	17.1	°C
07/13/1994	Inorg & Field	Zinc	27	27	ug/L
07/13/1994	Pesticides (Immu)	2,4-D	BRL	BRL	ug/L
07/13/1994	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
07/13/1994	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L

07/13/1994	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
07/13/1994	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
07/13/1994	Pesticides (Immu)	Cyanazine	BRL	BRL ug/L
07/13/1994	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
07/13/1994	Pesticides (Immu)	Nitrate	BRL	BRL mg/L
07/13/1994	Radiochem	Alpha, Gross (as Americium)	2.7 ± 2.6	2.7 pCi/l
07/13/1994	Radiochem	Beta, Gross	5.3 ± 2.1	5.3 pCi/l
07/13/1994	VOCs	Benzene	<0.5	BRL ug/L
07/13/1994	VOCs	Bromobenzene	<0.5	BRL ug/L
07/13/1994	VOCs	Bromochloromethane	<0.5	BRL ug/L
07/13/1994	VOCs	Bromoform	<0.5	BRL ug/L
07/13/1994	VOCs	Bromomethane	<0.5	BRL ug/L
07/13/1994	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
07/13/1994	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
07/13/1994	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
07/13/1994	VOCs	Chlorobenzene	<0.5	BRL ug/L
07/13/1994	VOCs	Chloroethane	<0.5	BRL ug/L
07/13/1994	VOCs	Chloroform	<0.5	BRL ug/L
07/13/1994	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
07/13/1994	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
07/13/1994	VOCs	Dibromochloromethane	<0.5	BRL ug/L
07/13/1994	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
07/13/1994	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
07/13/1994	VOCs	Dibromomethane	<0.5	BRL ug/L
07/13/1994	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
07/13/1994	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
07/13/1994	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
07/13/1994	VOCs	Ethylbenzene	<0.5	BRL ug/L
07/13/1994	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
07/13/1994	VOCs	Isodurene	<0.5	BRL ug/L
07/13/1994	VOCs	Isopropylbenzene	<0.5	BRL ug/L
07/13/1994	VOCs	Methylene chloride	<0.5	BRL ug/L
07/13/1994	VOCs	Naphthalene	<0.5	BRL ug/L
07/13/1994	VOCs	Paraldehyde	<0.5	BRL ug/L
07/13/1994	VOCs	Styrene	<0.5	BRL ug/L
07/13/1994	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
07/13/1994	VOCs	Tetralin	<0.5	BRL ug/L
07/13/1994	VOCs	Toluene	<0.5	BRL ug/L
07/13/1994	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
07/13/1994	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
07/13/1994	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
07/13/1994	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
07/13/1994	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
07/13/1994	VOCs	Trichloroethylene	<0.5	BRL ug/L
07/13/1994	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
07/13/1994	VOCs	Trichloropropane	<0.5	BRL ug/L
07/13/1994	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
07/13/1994	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
07/13/1994	VOCs	Vinyl chloride	<0.5	BRL ug/L
07/13/1994	VOCs	Xylenes	<0.5	BRL ug/L
09/29/1998	Inorg & Field	Air Temperature	13.0	13 °C

09/29/1998	Inorg & Field	Alkalinity	166	166 mg/L
09/29/1998	Inorg & Field	Ammonia	<0.020	BRL mg/L
09/29/1998	Inorg & Field	Arsenic	3	3 ug/L
09/29/1998	Inorg & Field	Bicarbonate	200	200 mg/L
09/29/1998	Inorg & Field	Cadmium	<1.0	BRL ug/L
09/29/1998	Inorg & Field	Calcium	44	44 mg/L
09/29/1998	Inorg & Field	Carbonate	0	0 mg/L
09/29/1998	Inorg & Field	Chromium	<1.0	BRL ug/L
09/29/1998	Inorg & Field	Copper	1.3	1.3 ug/L
09/29/1998	Inorg & Field	Depth to Water	221.38	221.38 ft
09/29/1998	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml
09/29/1998	Inorg & Field	Hardness	180	180 mg/L
09/29/1998	Inorg & Field	Iron	<10	BRL ug/L
09/29/1998	Inorg & Field	Lead	<1.0	BRL ug/L
09/29/1998	Inorg & Field	Magnesium	16	16 mg/L
09/29/1998	Inorg & Field	Manganese	<3.0	BRL ug/L
09/29/1998	Inorg & Field	Nitrate	.348	0.348 mg/L
09/29/1998	Inorg & Field	Nitrite	<0.010	BRL mg/L
09/29/1998	Inorg & Field	pH	7.7	7.7 pH
09/29/1998	Inorg & Field	Phosphorus	.072	0.072 mg/L
09/29/1998	Inorg & Field	Potassium	3.7	3.7 mg/L
09/29/1998	Inorg & Field	Selenium	<1	BRL ug/L
09/29/1998	Inorg & Field	Silica	30	30 mg/L
09/29/1998	Inorg & Field	Sodium	21	21 mg/L
09/29/1998	Inorg & Field	Specific Conductance	440	440 uS/cm
09/29/1998	Inorg & Field	Water Temperature	16.4	16.4 °C
09/29/1998	Inorg & Field	Zinc	91	91 ug/L
09/29/1998	Pesticides (Immu)	2,4-D	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Aldicarb	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Chloropyrifos	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Cyanazine	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Metribuzin	BRL	BRL ug/L
09/29/1998	Pesticides (Immu)	Simazine	BRL	BRL ug/L
09/29/1998	Radiochem	Alpha, Gross (as Thorium)	1.0 ± 2.7	1 pCi/l
09/29/1998	Radiochem	Beta, Gross	5.1 ± 1.7	5.056 pCi/l
09/29/1998	VOCs	Benzene	<0.5	BRL ug/L
09/29/1998	VOCs	Bromobenzene	<0.5	BRL ug/L
09/29/1998	VOCs	Bromochloromethane	<0.5	BRL ug/L
09/29/1998	VOCs	Bromoform	<0.5	BRL ug/L
09/29/1998	VOCs	Bromomethane	<0.5	BRL ug/L
09/29/1998	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
09/29/1998	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
09/29/1998	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
09/29/1998	VOCs	Chlorobenzene	<0.5	BRL ug/L
09/29/1998	VOCs	Chloroethane	<0.5	BRL ug/L
09/29/1998	VOCs	Chloroform	<0.5	BRL ug/L
09/29/1998	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
09/29/1998	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
09/29/1998	VOCs	Dibromochloromethane	<0.5	BRL ug/L
09/29/1998	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
09/29/1998	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
09/29/1998	VOCs	Dibromomethane	<0.5	BRL ug/L
09/29/1998	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
09/29/1998	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L

09/29/1998	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
09/29/1998	VOCs	Ethylbenzene	<0.5	BRL ug/L
09/29/1998	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
09/29/1998	VOCs	Isodurene	<0.5	BRL ug/L
09/29/1998	VOCs	Isopropylbenzene	<0.5	BRL ug/L
09/29/1998	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
09/29/1998	VOCs	Methylene chloride	<0.5	BRL ug/L
09/29/1998	VOCs	Naphthalene	<0.5	BRL ug/L
09/29/1998	VOCs	Paraldehyde	<0.5	BRL ug/L
09/29/1998	VOCs	Styrene	<0.5	BRL ug/L
09/29/1998	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
09/29/1998	VOCs	Tetralin	<10.0	BRL ug/L
09/29/1998	VOCs	Toluene	<0.5	BRL ug/L
09/29/1998	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
09/29/1998	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
09/29/1998	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
09/29/1998	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
09/29/1998	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
09/29/1998	VOCs	Trichloroethylene	<0.5	BRL ug/L
09/29/1998	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
09/29/1998	VOCs	Trichloropropane	<0.5	BRL ug/L
09/29/1998	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
09/29/1998	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
09/29/1998	VOCs	Vinyl chloride	<0.5	BRL ug/L
09/29/1998	VOCs	Xylenes	<0.5	BRL ug/L
08/13/2003	Inorg & Field	Air Temperature	20	20 °C
08/13/2003	Inorg & Field	Alkalinity	179	179 mg/L
08/13/2003	Inorg & Field	Ammonia	<0.04	BRL mg/L
08/13/2003	Inorg & Field	Arsenic	3.18	3.18 ug/L
08/13/2003	Inorg & Field	Barium	47.6	47.6 ug/L
08/13/2003	Inorg & Field	Bicarbonate	218	218 mg/L
08/13/2003	Inorg & Field	Cadmium	<0.037	BRL ug/L
08/13/2003	Inorg & Field	Calcium	51.7	51.7 mg/L
08/13/2003	Inorg & Field	Carbonate	0	0 mg/L
08/13/2003	Inorg & Field	Chloride	24.9	24.9 mg/L
08/13/2003	Inorg & Field	Dissolved Oxygen	5.7	5.7 mg/L
08/13/2003	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml
08/13/2003	Inorg & Field	Fluoride	0.66	0.66 mg/L
08/13/2003	Inorg & Field	Hardness	210	210 mg/L
08/13/2003	Inorg & Field	Iron	<8	BRL ug/L
08/13/2003	Inorg & Field	Magnesium	18.9	18.9 mg/L
08/13/2003	Inorg & Field	Manganese	<0.4	BRL ug/L
08/13/2003	Inorg & Field	Nitrate	0.397	0.397 mg/L
08/13/2003	Inorg & Field	Nitrite	<0.008	BRL mg/L
08/13/2003	Inorg & Field	pH	7.6	7.6
08/13/2003	Inorg & Field	Phosphorus	0.08	0.08 mg/L
08/13/2003	Inorg & Field	Potassium	4.3	4.3 mg/L
08/13/2003	Inorg & Field	Selenium	E0.45	0.45 ug/L
08/13/2003	Inorg & Field	Silica	28	28 mg/L
08/13/2003	Inorg & Field	Sodium	28.3	28.3 mg/L
08/13/2003	Inorg & Field	Solids	0.42	0.42 t/af
08/13/2003	Inorg & Field	Specific Conductance	518	518 uS/cm
08/13/2003	Inorg & Field	Sulfate	42.7	42.7 mg/L
08/13/2003	Inorg & Field	Water Temperature	17.5	17.5 °C
08/13/2003	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
08/13/2003	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
08/13/2003	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

The data on these pages are maintained by The Water Quality group at the IDWR.

Idaho Department of Water Resources

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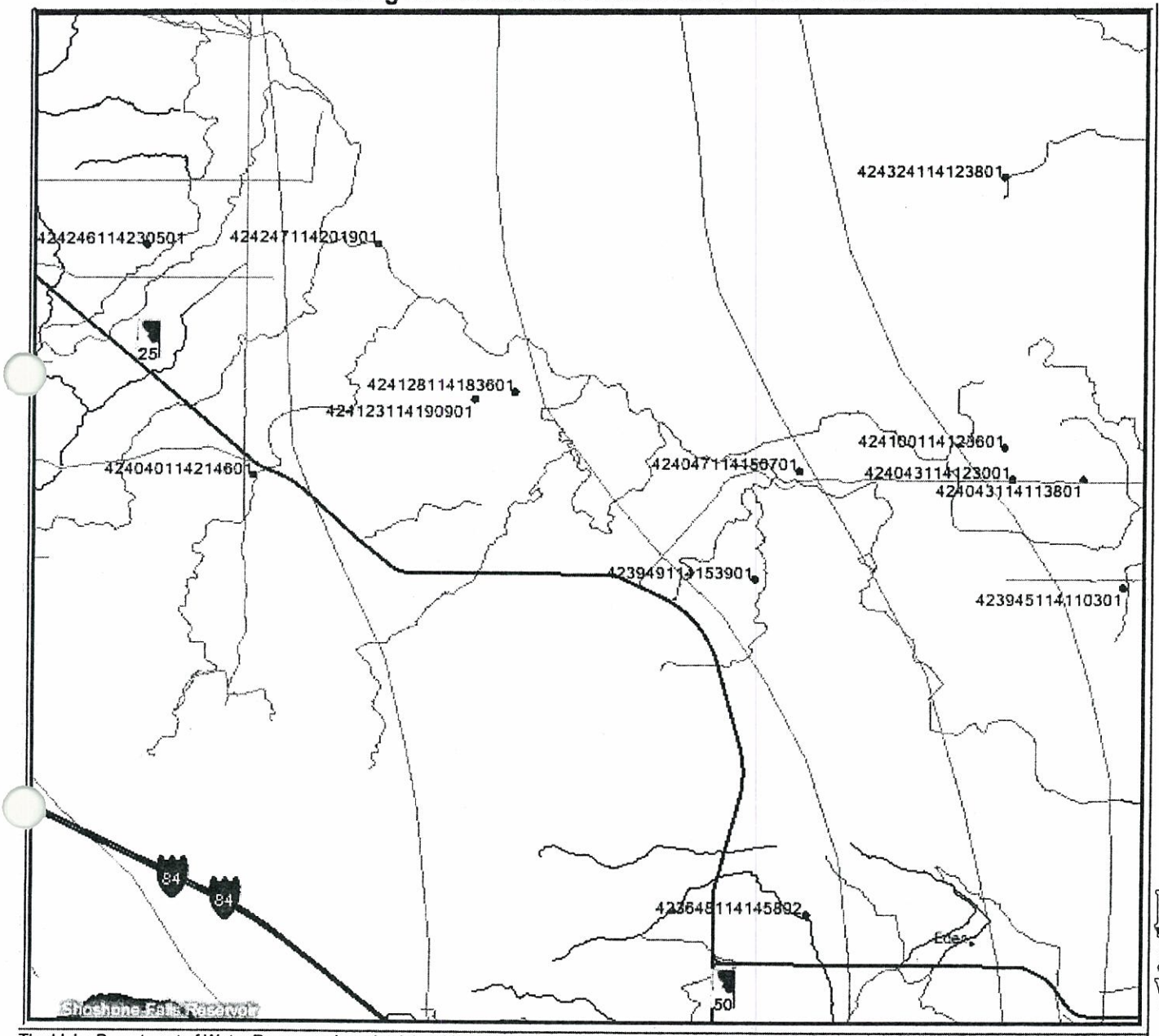
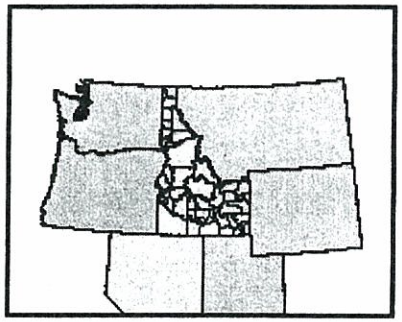
Monitoring Well Sites and Ground Water Flow Direction

Created: June 27, 2006





Legend
Major Roads
Interstate
U S Highway
State Highway
Other
Lakes
Major Rivers
Rivers
Canals
Rivers
Stream streams
Streams
Cities
Counties
Statewide Monitoring Program Wells
Groundwater Flow Contours Snake Plain
state

Prepared by the ArcIMS Map Server at:

Idaho Department of Water Resources
322 East Front Street, P.O. Box 83720
Boise, Idaho 83720-0098
Ph: (208) 287-4800
www.idwr.idaho.gov

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Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 09S 19E 08BAB1 **Site ID:** 423949114153901

Well Characteristics

Legal: 09S 19E 8 NW NE NW
Latitude: 42° 39' 48" N
Longitude: 114° 15' 42" W
County: Jerome
Quad map: PERRINE
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3928 ft.
Well Depth: 246 ft.
Depth to Water: 184 ft.
Casing Depth: 223 ft.
Depth to Aquifer: 198 ft.
Water Use: Domestic

Current Sampling Frequency: **Discontinued**

This well was sampled only in 1992.
The query returned 65 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
08/31/1992	Inorg & Field	Alkalinity	192	192	mg/L
08/31/1992	Inorg & Field	Ammonia	0.010	0.01	mg/L
08/31/1992	Inorg & Field	Arsenic	2	2	ug/L
08/31/1992	Inorg & Field	Bicarbonate	235	235	mg/L
08/31/1992	Inorg & Field	Cadmium	<1.0	BRL	ug/L
08/31/1992	Inorg & Field	Calcium	65	65	mg/L
08/31/1992	Inorg & Field	Carbonate	0	0	mg/L
08/31/1992	Inorg & Field	Chloride	62	62	mg/L
08/31/1992	Inorg & Field	Chromium	2	2	ug/L
08/31/1992	Inorg & Field	Copper	<1	BRL	ug/L
08/31/1992	Inorg & Field	Cyanide	<0.01	BRL	mg/L
08/31/1992	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
08/31/1992	Inorg & Field	Fluoride	0.40	0.4	mg/L
08/31/1992	Inorg & Field	Hardness	257	257	mg/L
08/31/1992	Inorg & Field	Iron	<3	BRL	ug/L
08/31/1992	Inorg & Field	Lead	<1	BRL	ug/L
08/31/1992	Inorg & Field	Magnesium	23	23	mg/L
08/31/1992	Inorg & Field	Manganese	<1	BRL	ug/L
08/31/1992	Inorg & Field	Mercury	<0.1	BRL	ug/L
08/31/1992	Inorg & Field	Nitrate	2.50	2.5	mg/L
08/31/1992	Inorg & Field	Nitrite	<0.010	BRL	mg/L
08/31/1992	Inorg & Field	pH	7.79	7.79	pH
08/31/1992	Inorg & Field	Phosphorus	0.020	0.02	mg/L
08/31/1992	Inorg & Field	Potassium	6.6	6.6	mg/L
08/31/1992	Inorg & Field	Selenium	<1	BRL	ug/L
08/31/1992	Inorg & Field	Silica	37	37	mg/L
08/31/1992	Inorg & Field	Sodium	40	40	mg/L
08/31/1992	Inorg & Field	Solids	430	430	mg/L
08/31/1992	Inorg & Field	Specific Conductance	712	712	uS/cm
08/31/1992	Inorg & Field	Sulfate	69	69	mg/L
08/31/1992	Inorg & Field	Water Temperature	15.3	15.3	°C
08/31/1992	Inorg & Field	Zinc	22	22	ug/L
08/31/1992	Pesticides (Immu)	2,4-D	BRL	BRL	ug/L
08/31/1992	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
08/31/1992	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
08/31/1992	Radiochem	Alpha, Gross (as Americium)	3.3 ± 3.4	3.3	pCi/l
08/31/1992	Radiochem	Beta, Gross	8.9 ± 3.1	8.9	pCi/l

08/31/1992	VOCs	Benzene	<0.2	BRL ug/L
08/31/1992	VOCs	Bromoform	<0.2	BRL ug/L
08/31/1992	VOCs	Carbon Tetrachloride	<0.2	BRL ug/L
08/31/1992	VOCs	Chlorobenzene	<0.2	BRL ug/L
08/31/1992	VOCs	Chloroform	<0.2	BRL ug/L
08/31/1992	VOCs	Dibromochloromethane	<0.2	BRL ug/L
08/31/1992	VOCs	Dichlorobenzene,1,2-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichlorobenzene,1,3-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichlorobenzene,1,4-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichlorobromomethane	<0.2	BRL ug/L
08/31/1992	VOCs	Dichlorodifluoromethane	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloroethane,1,1-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloroethane,1,2-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloroethene,1,1-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloroethene,1,2,cis-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloroethene,1,2,trans-	<0.2	BRL ug/L
08/31/1992	VOCs	Dichloropropane,1,2-	<0.2	BRL ug/L
08/31/1992	VOCs	Ethylbenzene	<0.2	BRL ug/L
08/31/1992	VOCs	Freon 113	<0.5	BRL ug/L
08/31/1992	VOCs	Methylene chloride	<0.2	BRL ug/L
08/31/1992	VOCs	Styrene	<0.2	BRL ug/L
08/31/1992	VOCs	Tetrachloroethylene	<0.2	BRL ug/L
08/31/1992	VOCs	Toluene	<0.2	BRL ug/L
08/31/1992	VOCs	Trichloroethane,1,1,1-	<0.2	BRL ug/L
08/31/1992	VOCs	Trichloroethylene	<0.2	BRL ug/L
08/31/1992	VOCs	Trichlorofluoromethane	<0.2	BRL ug/L
08/31/1992	VOCs	Vinyl chloride	<0.2	BRL ug/L
08/31/1992	VOCs	Xylenes	<0.2	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
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‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

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FAX: (208) 287-6700

Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 08S 18E 22CACA1 **Site ID:** 424247114201901

Well Characteristics

Legal: 08S 18E 22 SW NE SW
Latitude: 42° 42' 46" N
Longitude: 114° 20' 20" W
County: Jerome
Quad map: TWIN FALLS NE
Primary aquifer:

Altitude: 3938 ft.
Well Depth: 170 ft.
Depth to Water: ft.
Casing Depth: ft.
Depth to Aquifer: ft.
Water Use: Other

Current Sampling Frequency: **Managed Recharge**

Sample years: 2001 and 2002.
The query returned 126 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
06/13/2001	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Carbofuran	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Metolachlor	BRL	BRL	ug/L
06/13/2001	Pesticides (Immu)	Metribuzin	BRL	BRL	ug/L
06/13/2001	Radiochem	Alpha, Gross (as Thorium)	10 ± 3.3	10	pCi/l
06/13/2001	Radiochem	Beta, Gross	5.1 ± 1.5	5.1	pCi/l
06/13/2001	VOCs	Benzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromobenzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromochloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromoform	<0.5	BRL	ug/L
06/13/2001	VOCs	Bromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Carbon Tetrachloride	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorobenzene	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloroethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloroform	<0.5	BRL	ug/L
06/13/2001	VOCs	Chloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorotoluene,-o	<0.5	BRL	ug/L
06/13/2001	VOCs	Chlorotoluene-p	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromochloromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL	ug/L
06/13/2001	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL	ug/L
06/13/2001	VOCs	Dibromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,3-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobenzene,1,4-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorobromomethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichlorodifluoromethane	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethane,1,1-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethane,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,1-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,1,2-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,1,3-	<0.5	BRL	ug/L
06/13/2001	VOCs	Dichloropropane,2,2-	<0.5	BRL	ug/L

06/13/2001	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
06/13/2001	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Ethylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
06/13/2001	VOCs	Isopropylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
06/13/2001	VOCs	Methylene chloride	<0.5	BRL ug/L
06/13/2001	VOCs	Naphthalene	<0.5	BRL ug/L
06/13/2001	VOCs	n-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	n-Propylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Styrene	<0.5	BRL ug/L
06/13/2001	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
06/13/2001	VOCs	Toluene	<0.5	BRL ug/L
06/13/2001	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloroethylene	<0.5	BRL ug/L
06/13/2001	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
06/13/2001	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
06/13/2001	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
06/13/2001	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
06/13/2001	VOCs	Vinyl chloride	<0.5	BRL ug/L
06/13/2001	VOCs	Xylenes	<0.5	BRL ug/L
04/24/2002	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
04/24/2002	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
04/24/2002	VOCs	Benzene	<0.5	BRL ug/L
04/24/2002	VOCs	Bromobenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Bromochloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Bromoform	<0.5	BRL ug/L
04/24/2002	VOCs	Bromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorobenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Chloroethane	<0.5	BRL ug/L
04/24/2002	VOCs	Chloroform	<0.5	BRL ug/L
04/24/2002	VOCs	Chloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
04/24/2002	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromochloromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
04/24/2002	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
04/24/2002	VOCs	Dibromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Ethylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
04/24/2002	VOCs	Isopropylbenzene	<0.5	BRL ug/L

04/24/2002	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
04/24/2002	VOCs	Methylene chloride	<0.5	BRL ug/L
04/24/2002	VOCs	Naphthalene	<0.5	BRL ug/L
04/24/2002	VOCs	n-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	n-Propylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Styrene	<0.5	BRL ug/L
04/24/2002	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
04/24/2002	VOCs	Toluene	<0.5	BRL ug/L
04/24/2002	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloroethylene	<0.5	BRL ug/L
04/24/2002	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
04/24/2002	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
04/24/2002	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
04/24/2002	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
04/24/2002	VOCs	Vinyl chloride	<0.5	BRL ug/L
04/24/2002	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

The data on these pages are maintained by The Water Quality group at the IDWR.

Idaho Department of Water Resources

322. E. Front Street
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Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 09S 19E 29ADD1 **Site ID:** 423648114145802

Metal Tag #: A0011034

Well Characteristics

Legal: 09S 19E 29 SE SE NE
Latitude: 42° 36' 47" N
Longitude: 114° 15' 1" W
County: Jerome
Quad map: EDEN
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3927 ft.
Well Depth: 280 ft.
Depth to Water: ft.
Casing Depth: ft.
Depth to Aquifer: 225 ft.
Water Use: Domestic

Current Sampling Frequency: **Once Every 5 Years**

This well was sampled only in 2002.
The query returned 168 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
09/20/2002	Hormones (Immu)	Estradiol	BRL	BRL	ug/L
09/20/2002	Inorg & Field	Air Temperature	20	20	°C
09/20/2002	Inorg & Field	Alkalinity	193	193	mg/L
09/20/2002	Inorg & Field	Ammonia	<0.04	BRL	mg/L
09/20/2002	Inorg & Field	Arsenic	3.2	3.2	ug/L
09/20/2002	Inorg & Field	Barium	80.5	80.5	ug/L
09/20/2002	Inorg & Field	Bicarbonate	235	235	mg/L
09/20/2002	Inorg & Field	Cadmium	0.05	0.05	ug/L
09/20/2002	Inorg & Field	Calcium	57.7	57.7	mg/L
09/20/2002	Inorg & Field	Carbonate	0	0	mg/L
09/20/2002	Inorg & Field	Chloride	45	45	mg/L
09/20/2002	Inorg & Field	Copper	1.4	1.4	ug/l
09/20/2002	Inorg & Field	Dissolved Oxygen	7.1	7.1	mg/L
09/20/2002	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
09/20/2002	Inorg & Field	Fluoride	0.4	0.4	mg/L
09/20/2002	Inorg & Field	Hardness	230	230	mg/L
09/20/2002	Inorg & Field	Iron	<10	BRL	ug/L
09/20/2002	Inorg & Field	Lead	0.53	0.53	ug/l
09/20/2002	Inorg & Field	Magnesium	21.6	21.6	mg/L
09/20/2002	Inorg & Field	Manganese	E1.5	1.5	ug/L
09/20/2002	Inorg & Field	Nitrate	3.18	3.18	mg/L
09/20/2002	Inorg & Field	Nitrite	<0.008	BRL	mg/L
09/20/2002	Inorg & Field	pH	7.6	7.6	ph
09/20/2002	Inorg & Field	Phosphorus	E0.01	0.01	mg/L
09/20/2002	Inorg & Field	Potassium	6.64	6.64	mg/L
09/20/2002	Inorg & Field	Selenium	0.9	0.9	ug/L
09/20/2002	Inorg & Field	Silica	41.2	41.2	mg/L
09/20/2002	Inorg & Field	Sodium	43.5	43.5	mg/L
09/20/2002	Inorg & Field	Solids	412	412	mg/l
09/20/2002	Inorg & Field	Specific Conductance	664	664	uS/cm
09/20/2002	Inorg & Field	Sulfate	62.5	62.5	mg/L
09/20/2002	Inorg & Field	Water Temperature	16.2	16.2	°C
09/20/2002	Inorg & Field	Zinc	128	128	ug/l
09/20/2002	Pesticides	2,4,5-T	BRL	BRL	ug/l
09/20/2002	Pesticides	2,4,5-TP (Silvex)	BRL	BRL	ug/l

09/20/2002	Pesticides	2,4-D	BRL	BRL ug/l
09/20/2002	Pesticides	2,4-DB	BRL	BRL ug/l
09/20/2002	Pesticides	Acifluorfen	BRL	BRL ug/l
09/20/2002	Pesticides	Alachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Aldrin	BRL	BRL ug/l
09/20/2002	Pesticides	Atrazine	BRL	BRL ug/l
09/20/2002	Pesticides	Bentazon	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, alpha-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, beta-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, delta-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, gamma- (Lindane)	BRL	BRL ug/l
09/20/2002	Pesticides	Bromacil	BRL	BRL ug/l
09/20/2002	Pesticides	Butachlor (Machette)	BRL	BRL ug/l
09/20/2002	Pesticides	Butylate	BRL	BRL ug/l
09/20/2002	Pesticides	Chloramben	BRL	BRL ug/l
09/20/2002	Pesticides	Chlordane, alpha-	BRL	BRL ug/l
09/20/2002	Pesticides	Chlordane, gamma-	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorobenzilate	BRL	BRL ug/l
09/20/2002	Pesticides	Chloroneb	BRL	BRL ug/l
09/20/2002	Pesticides	Chloropyrifos	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorothalonil	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorpropham	BRL	BRL ug/l
09/20/2002	Pesticides	Cyanazine	BRL	BRL ug/l
09/20/2002	Pesticides	Dacthal (DCPA)	BRL	BRL ug/l
09/20/2002	Pesticides	Dacthal (DCPA)	BRL	BRL ug/l
09/20/2002	Pesticides	Dalapon	BRL	BRL ug/l
09/20/2002	Pesticides	DDD,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	DDE,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	DDT,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	Diazinon	BRL	BRL ug/l
09/20/2002	Pesticides	Dicamba	BRL	BRL ug/l
09/20/2002	Pesticides	Diclorprop	BRL	BRL ug/l
09/20/2002	Pesticides	Dieldrin	BRL	BRL ug/l
09/20/2002	Pesticides	Dinoseb	BRL	BRL ug/l
09/20/2002	Pesticides	Diphenamid	BRL	BRL ug/l
09/20/2002	Pesticides	Dipropylthiocarbamate, S-Ethyl (EPTC)	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan I	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan II	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan Sulfate	BRL	BRL ug/l
09/20/2002	Pesticides	Endrin	BRL	BRL ug/l
09/20/2002	Pesticides	Endrin Aldehyde	BRL	BRL ug/l
09/20/2002	Pesticides	Ethoprop	BRL	BRL ug/l
09/20/2002	Pesticides	Etridiazole	BRL	BRL ug/l
09/20/2002	Pesticides	Heptachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Heptachlor Epoxide	BRL	BRL ug/l
09/20/2002	Pesticides	Hexachlorobenzene	BRL	BRL ug/l
09/20/2002	Pesticides	Methoxychlor	BRL	BRL ug/l
09/20/2002	Pesticides	Metolachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Metribuzin	BRL	BRL ug/l
09/20/2002	Pesticides	Mevinphos	BRL	BRL ug/l
09/20/2002	Pesticides	MGK 264	BRL	BRL ug/l
09/20/2002	Pesticides	Molinate	BRL	BRL ug/l
09/20/2002	Pesticides	Nonachlor, -trans	BRL	BRL ug/l
09/20/2002	Pesticides	Norflurazon	BRL	BRL ug/l
09/20/2002	Pesticides	Pentachlorophenol (PCP)	BRL	BRL ug/l
09/20/2002	Pesticides	Pentachlorophenol (PCP)	BRL	BRL ug/l
09/20/2002	Pesticides	Permethrins	BRL	BRL ug/l
09/20/2002	Pesticides	Picloram	BRL	BRL ug/l
09/20/2002	Pesticides	Prometryn	BRL	BRL ug/l
09/20/2002	Pesticides	Pronamide	BRL	BRL ug/l
09/20/2002	Pesticides	Propachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Propazine	BRL	BRL ug/l
09/20/2002	Pesticides	Simazine	BRL	BRL ug/l
09/20/2002	Pesticides	Stirophos	BRL	BRL ug/l
09/20/2002	Pesticides	Terbufos	BRL	BRL ug/l

09/20/2002	Pesticides	Terbutryn	BRL	BRL ug/l
09/20/2002	Pesticides	Triadimefon	BRL	BRL ug/l
09/20/2002	Pesticides	Tricyclazole	BRL	BRL ug/l
09/20/2002	Pesticides	Trifluralin	BRL	BRL ug/l
09/20/2002	Pesticides	Vernolate	BRL	BRL ug/l
09/20/2002	Pesticides (Immu)	Acetochlor	BRL	BRL ug/L
09/20/2002	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
09/20/2002	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
09/20/2002	Radiochem	Alpha, Gross (as Thorium)	12.6 ± 3.8	12.6 pCi/l
09/20/2002	Radiochem	Beta, Gross	14.9 ± 2.7	14.9 pCi/l
09/20/2002	VOCs	Benzene	<0.5	BRL ug/L
09/20/2002	VOCs	Bromobenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Bromochloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Bromoform	<0.5	BRL ug/L
09/20/2002	VOCs	Bromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorobenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Chloroethane	<0.5	BRL ug/L
09/20/2002	VOCs	Chloroform	<0.5	BRL ug/L
09/20/2002	VOCs	Chloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromochloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
09/20/2002	VOCs	Dibromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Ethylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
09/20/2002	VOCs	Isopropylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
09/20/2002	VOCs	Methylene chloride	<0.5	BRL ug/L
09/20/2002	VOCs	Naphthalene	<0.5	BRL ug/L
09/20/2002	VOCs	n-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	n-Propylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Styrene	<0.5	BRL ug/L
09/20/2002	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
09/20/2002	VOCs	Toluene	<0.5	BRL ug/L
09/20/2002	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethylene	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L

09/20/2002	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
09/20/2002	VOCs	Vinyl chloride	<0.5	BRL ug/L
09/20/2002	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

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Unit Abbreviations:

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col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

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Idaho Department of Water Resources

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Water Resources

National Water Information System: Web Interface

Data Category: Water Quality

Geographic Area: Idaho

GO

Water Quality Samples for Idaho

USGS 423253114165701 10S 19E 18CDC1

Twin Falls County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°33'01.3", Longitude 114°16'59.7" NAD83
Land-surface elevation 4,010. feet above sea level
NGVD29
The depth of the well is 340. feet below land surface.
The depth of the hole is 340. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)
1992-09-02 13:10	6	16.0	23.0	80020	705			7.8	8.0	228
1996-06-19 08:30	6	15.3	10.0	80020	710			7.9	7.8	239
1997-06-11 11:00	6	15.4		80020	718	7.8	91	7.9		
2000-08-04 10:50	6	15.7	32.0	80020	671	6.6		7.6	8.0	226

USGS 423345114123201 10S 19E 11CCC1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°33'45.9", Longitude 114°12'36.2" NAD83
Land-surface elevation 4,115. feet above sea level
NGVD29
The depth of the well is 400. feet below land surface.
The depth of the hole is 400. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

		Temper-	Temper-	Barometric pres-	Agency ana-	Specif. conductance, wat unf	Dis-	pH, water, unfltrd	pH, water, unfltrd	ANC, wat unf fixed end pt, field,

SAMPLE DATETIME	MEDIUM CODE	ature, water, deg C (00010)	ature, air, deg C (00020)	sure, mm Hg (00025)	lyzing sample, code (00028)	uS/cm 25 degC (00095)	solved oxygen, mg/L (00300)	field, std units (00400)	lab, std units (00403)	mg/L as CaCO3 (004
1994-09-02 11:00	6	16.2	20.0		80020	705		7.7	7.6	199
1998-08-05 16:15	6	16.2	33.0		80020	705		7.7	7.8	201
2003-08-07 13:35	6	16.4	27.0	661	80020	702	5.7	7.5	7.8	200

USGS 423430114174601 10S 18E 12BAD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°34'29", Longitude 114°17'47" NAD27
Land-surface elevation 3,940. feet above sea level
NGVD29
The depth of the well is 420. feet below land surface.
The depth of the hole is 420. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temper-ature, water, deg C (00010)	Temper-ature, air, deg C (00020)	Agency ana-lyzing sample, code (00028)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicar-bonate, wat unf fix end pt, field, mg/L (00440)
1993-08-03 10:15	6	16.8	21.0	80020	733		8.0	8.0	219	267
1997-08-25 13:45	6	17.2	29.0	80020	806		7.8	8.0	234	286
2001-07-10 11:50	6	16.7	27.0	80020	771	6.0	7.9	8.1	228	279

USGS 423436114181901 10S 18E 11AAA1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°34'36", Longitude 114°18'19" NAD27
Land-surface elevation 3,905. feet above sea level
NGVD29
The depth of the well is 300. feet below land surface.
The depth of the hole is 300. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

				Baro-metric	Agency	Specif. conduc-tance,		pH, water,	pH, water,	AN wat unf fixed end pt,

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	pressure, mm Hg (00025)	analyzing sample, code (00028)	wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	unfltrd field, std units (00400)	unfltrd lab, std units (00403)	field, mg/L as CaCO3 (00410)
1991-08-02 12:45	6	16.0	27.5		80020	717		7.8	7.9	222
1995-07-19 12:00	6	15.6	27.0		80020	741		7.8	7.8	217
1999-07-27 16:05	6	15.2	35.5		80020	756	10.2	7.7	7.8	224
2004-07-28 16:50	6	15.7	28.0	653	80020	753	6.8	7.7	7.9	228

USGS 423439114171501 10S 18E 01DDD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°34'39", Longitude 114°17'15" NAD27
Land-surface elevation 3,955. feet above sea level
NGVD29
The depth of the well is 2,160. feet below land surface.
The depth of the hole is 2,160. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)
1985-08-13 14:00	6	31.0	1028	80020	507	8.2	8.5	120	120	.0
1986-07-02 09:40	6	42.0		80020	613	9.0	9.1	160	160	22
1986-07-29 09:30	6			80020						
1987-08-11 09:10	6			80020						
1990-04-18 17:00	6		1028	1028						
1994-08-06 11:30	6	37.5	1028	1028	615					

USGS 423512114143901 10S 19E 04BCA1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°35'12", Longitude 114°14'39" NAD27
Land-surface elevation 4,160. feet above sea level
NGVD29
The depth of the well is 500. feet below land surface.
The depth of the hole is 500. feet below land surface.
This well is completed in the SNAKE RIVER GROUP

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order

(110SKRV) local aquifer.

Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC wat unf fixed end pt, field, mg/L as CaCO3 (00410)	l b e : (
1995-06-06 10:00	6	16.1	1028	80020	686	7.8	90	7.8			
1995-06-23 11:00	6	16.3		80020	674	7.9	94	7.7	7.8	192	
1995-06-23 11:05	6			80020							

USGS 423606114123201 09S 19E 35BCB1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°36'06", Longitude 114°12'32" NAD27
Land-surface elevation 3,980. feet above sea level NGVD29
The depth of the well is 380 feet below land surface.
The depth of the hole is 380 feet below land surface.
This well is completed in the SNAKE RIVER GROUP (110SKRV) local aquifer.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Streamflow (ft³/s) (00060)	Color, water, fltrd, Pt-Co units (00080)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Carbon dioxide water, unfltrd mg/L (00405)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)
1953-06-02 00:00	6			4	631	7.8	5.9	192	234	.0
1953-09-29 00:00	6				646	8.4	1.7	213	251	4
1954-05-17 17:15	6	15.0			635	8.0	3.7	192	234	
1956-11-29 00:00	6		E .20	.0	641	7.7	7.7	198	242	.0

USGS 423648114145802 09S 19E 29ADD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°36'48.0", Longitude 114°14'58.2" NAD27
Land-surface elevation 3,924. feet above sea level NGVD29

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval

...data.usgs.gov/id/nwis/gwdata?station_type_cd= ... Y &nw_longitude_va=114.33&nw_l ... 6/27/200

The depth of the well is 280. feet below land surface.
The depth of the hole is 300. feet below land surface.

Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)
2002-09-20 09:50	6	16.2	20.0	658	80020	664	7.1	7.6	7.8	193

USGS 423715114133401 09S 19E 22CCD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°37'15", Longitude 114°13'34" NAD27
Land-surface elevation 3,890. feet above sea level NGVD29
The depth of the well is 179. feet below land surface.
The depth of the hole is 179. feet below land surface.
The well is completed in the SNAKE RIVER GROUP (110SKRV) local aquifer.

Output formats

Parameter Group data summary
Inventory of available water-quality data
Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	C
1995-06-23 09:20	6	14.6	80020	624	4.8	55	7.6	7.4	203	248	
1995-06-23 09:25	6		80020								

USGS 424643114192801 09S 18E 11CBC1 MV-51

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°39'13", Longitude 114°19'28" NAD27
Land-surface elevation 3,875. feet above sea level NGVD29
The depth of the well is 230. feet below land surface.
The depth of the hole is 230. feet below land surface.

Output formats

Parameter Group data summary
Inventory of available water-quality data
Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water fltrd, mg/L as N (00631)
1989-08-15 10:30	6			80020				.020	< .010	2.10
1990-08-14 15:20	6			80020			7.9	.010	< .010	3.50
1993-08-05 10:15	6			80020				.020	< .010	2.40
1997-08-25 16:10	6	19.5	1028	80020	687	7.8	7.8	.01	< .010	2.41
2003-08-11 18:43	6	16.9	1028	80020	663	7.2	7.6	< .04	< .008	2.48

USGS 423930114193201 09S 18E 10ADD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°39'30", Longitude 114°19'32" NAD27
Land-surface elevation 3,898. feet above sea level
NGVD29
The depth of the well is 185 feet below land surface.
The depth of the hole is 185 feet below land surface.
This well is completed in the SNAKE RIVER GROUP (110SKRV) local aquifer.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	Carbon dioxide water, unfltrd mg/L (00405)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)
1972-11-02 15:00	6	697	7.7	8.3	213	260	.0	1.8	.01	1.80
1973-02-15 16:45	6	643								
1973-08-02 15:50	6	679								1.50

USGS 423949114153901 09S 19E 08BAB1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°39'49", Longitude 114°15'39" NAD27
Land-surface elevation 3,928. feet above sea level
NGVD29

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order

The depth of the well is 246 feet below land surface.
The depth of the hole is 246 feet below land surface.

Tab-separated ASCII file, wide order

Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)	Carbonate, wat unf fixed end pt, field, mg/L (00445)
1992-08-31 13:15	6	15.3	23.5	80020	712	7.8	8.1	192	235	.0

USGS 424035114192801 09S 18E 02BBC1 MV-50

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°40'35", Longitude 114°19'28" NAD27
Land-surface elevation 3,903. feet above sea level
NGVD29
The depth of the well is 369. feet below land surface.
The depth of the hole is 369. feet below land surface.

Output formats

Parameter Group data summary

Inventory of available water-quality data

Inventory of water-quality data with retrieval

Tab-separated ASCII file, serial order

Tab-separated ASCII file, wide order

Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Ammonia water, fltrd, mg/L as N (00608)
1989-08-14 20:20	6			80020						< .010
1992-09-15 13:05	6	14.5	1028	80020	715	8.1	7.8	7.9	193	.020
1992-09-15 13:19	6			80020						
1994-08-11 09:30	6	14.5	1028	80020	725	8.0	7.8	7.9	183	
1996-08-06 13:45	6	14.1	1028	80020	720		7.9	7.7	192	.02
2000-07-17 18:10	6	14.2	1028	80020	710		7.9	7.9		< .02

USGS 424043114123001 08S 19E 35CCC1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°40'43.0", Longitude 114°12'34.6" NAD83
Land-surface elevation 3,991. feet above sea level
NGVD29

Output formats

Parameter Group data summary

Inventory of available water-quality data

The depth of the well is 253. feet below land surface.
The depth of the hole is 253. feet below land surface.
This well is completed in the SNAKE RIVER GROUP (110SKRV) local aquifer.

Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Carbon dioxide water, unfltrd mg/L (00405)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)
1972-07-12 09:55	6	13.0			754	7.2		24	197	240
1972-07-12 09:56	6	13.0			754	7.2		24	197	240
1973-08-02 16:36	6				754					
1992-07-23 08:53	6	13.7	16.0	80020	694	7.7	7.8		188	230
1996-07-18 11:35	6	13.8	22.5	80020	675	7.7	7.7		182	222
2000-08-02 17:40	6	13.7	37.0	80020	675	7.7	7.9		179	218

USGS 424047114150701 08S 19E 32DDC1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°40'46.3", Longitude 114°15'09.4" NAD83
Land-surface elevation 3,950. feet above sea level NGVD29
The depth of the well is 264. feet below land surface.
The depth of the hole is 264. feet below land surface.

Output formats

Parameter Group data summary
Inventory of available water-quality data
Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)
1994-07-13 11:15	6	17.1	20.5		80020	500		7.5	7.5	1[illegible]
1998-09-29 09:00	6	16.4	13.0		80020	440		7.7	7.9	166
2003-08-13 09:10	6	17.5	20.0	661	80020	518	5.7	7.6	7.7	179

USGS 424100114123601 08S 19E 34DAD1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°40'59.9", Longitude 114°12'38.7" NAD83
Land-surface elevation 3,974. feet above sea level
NGVD29
The depth of the well is 230. feet below land surface.
The depth of the hole is 230. feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	ANC, wat unf fixed end pt, field, mg/L as CaCO3 (00410)	Bicarbonate, wat unf fixed end pt, field, mg/L (00440)
1992-07-23 10:38	6	13.7	17.5	80020	716		7.6	7.8	203	248
1996-07-18 12:30	6	13.5	21.0	80020	680		7.7	7.7	181	221
2000-08-02 14:45	6	14.3	30.0	80020	674	7.9	7.5	7.8	179	218

USGS 424105114123501 08S 19E 34DAA1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°41'05", Longitude 114°12'35" NAD27
Land-surface elevation 3,965. feet above sea level
NGVD29
The depth of the well is 85.0 feet below land surface.
The depth of the hole is 150 feet below land surface.

Output formats

- Parameter Group data summary
- Inventory of available water-quality data
- Inventory of water-quality data with retrieval
- Tab-separated ASCII file, serial order
- Tab-separated ASCII file, wide order
- Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Instantaneous discharge, cfs (00061)	Turbidity, Jtu (00070)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Nitrite + nitrate water fltrd, mg/L as N (00631
1973-10-04 14:30	9	11.5	9.0	E .16	5	420	.25	.25		< .10
1973-01-16 17:20	9	2.0		E .14		556	7.2	5.8	1.40	

USGS 424123114190901 08S 18E 35BACD1

Output formats

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°41'24", Longitude 114°19'05" NAD27
Land-surface elevation 3,905. feet above sea level
NGVD29
The depth of the well is 245. feet below land surface.
The depth of the hole is 245. feet below land surface.

Parameter Group data summary
Inventory of available water-quality data
Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Barometric pressure, mm Hg (00025)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)
2001-06-13 13:40	6	14.7	18.0	659	1028	80020	620	5.2	7.7	7.9
2001-06-13 13:41	0				1028	9801				
2002-04-24 13:40	6	13.7	12.0	666	1028	80020	637	7.0	7.9	
2002-04-24 13:41	0				1028	9801				

USGS 424128114183601 08S 18E 35AAC1

Jerome County, Idaho
Hydrologic Unit Code 17040212
Latitude 42°41'28", Longitude 114°18'36" NAD27
Land-surface elevation 3,930. feet above sea level
NGVD29
The depth of the well is 325 feet below land surface.
The depth of the hole is 325 feet below land surface.
This well is completed in the SNAKE RIVER GROUP (110SKRV) local aquifer.

Output formats

Parameter Group data summary
Inventory of available water-quality data
Inventory of water-quality data with retrieval
Tab-separated ASCII file, serial order
Tab-separated ASCII file, wide order
Reselect output format

SAMPLE DATETIME	MEDIUM CODE	Sampling depth, feet (00003)	Temperature, water, deg C (00010)	Temperature, air, deg C (00020)	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Specif. conductance, wat unf uS/cm 25 degC (00095)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Carbon dioxide water, unfltrd mg/L (00405)
1970-06-04 00:00	6	325					567			
1970-08-05 00:00	6	325					579			
1970-09-01 00:00	6	325	17.0				602	7.9		4.1
1981-08-06 14:00	6		15.5				638			

1993-08-13 13:00	0		14.2	21.0	1028	9801	667	7.8	7.9	

Water Quality Remark Code	Description
<	
E	Estimated value
M	Presence of material verified but not quantified
U	Material specifically analyzed for but not detected

Questions about data?
Feedback on this web site
Water Quality Samples for Idaho: Sample Data
http://waterdata.usgs.gov/id/nwis/qwdata?

Top
Explanation of terms

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Form 238-7
IWR

App 88893 / IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Official Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D - D0036501
DRILLING PERMIT NO. 833044
Other IDWR No. _____

2. OWNER
Name Don McFarland
Address Po Box 8778
City Twin Falls State Id Zip 83303

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 9 ☐ North or ☑ South
Rge. 18 ☑ East or ☐ West
Sec. 1 ____ 1/4 SE 1/4 SE 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :

Address of Well Site 400S Hyway 25
City Eden
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (replacement ect.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
na				

CA

Was drive shoe used? ☐ Y ☐ N Shoe depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
na					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Methods _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
na						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
230 ft below ground Artesian pressure _____
depth flow encountered _____ ft. Describe access port
or control devices Through sanitary Seal

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. _____
Water Quality test or comments: _____
Depth first water encounter 230

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	237	245	Basalt	y	
	245	247	Scoria	y	
	247	254	Basalt	y	
	254	257	Scoria	y	
	257	268	Basalt	y	
	268	272	Scoria	y	
	272	282	tan Clay		n
	282	bot	Hard Basalt		
			Note 6" Bit left in bottom of hole		
			unfishable		

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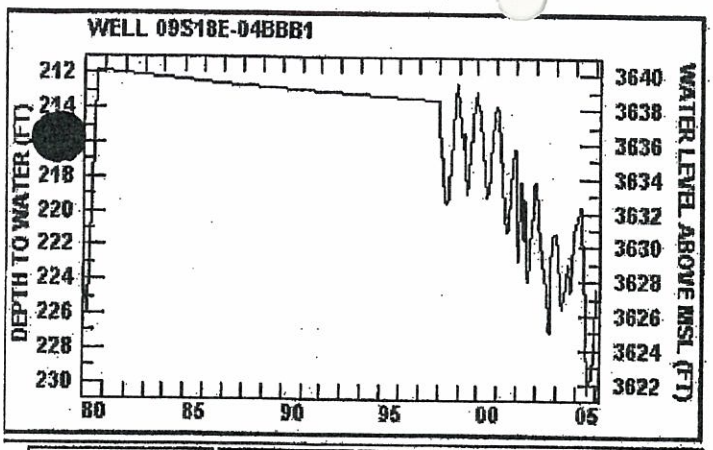
Department of Water Resources
Southern Region

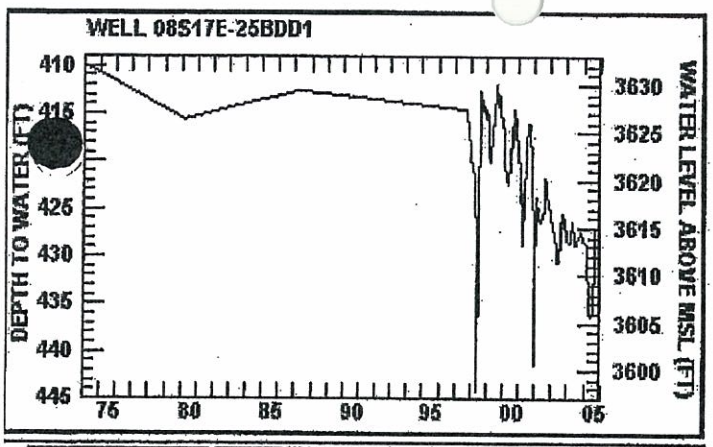
Completed depth 275 ft. (measurable)
Date: Started May 5,2005 Completed May 8,2005

13. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Weech Well Drilling Firm No. 210
Firm Offical _____ Date 5-10-05
and
Driller or Operator _____ Date 5-27-05
(Sign once if Firm Offical & Operator)



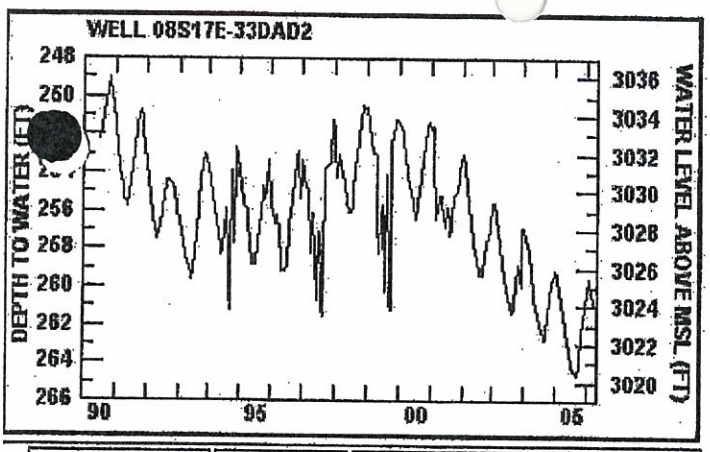
Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
3/18/1980	225.9		USGS
8/9/1980	211.8		USGS
3/25/1987	212.6		USGS
11/12/1997	213.5		Consultant
12/10/1997	216.7		Consultant
1/22/1998	216.8		Consultant
2/18/1998	219		Consultant
3/18/1998	219.4		Consultant
4/15/1998	219.5		Consultant
5/19/1998	218.9		Consultant
6/17/1998	216.9		Consultant
7/1998	216		Consultant
8/20/1998	214.2		Consultant
9/16/1998	213.1		Consultant
10/14/1998	212.5		Consultant
11/11/1998	214.1		Consultant
12/17/1998	214.5		Consultant
1/21/1999	216.2		Consultant
2/18/1999	215.3		Consultant
3/18/1999	217.9		Consultant
4/17/1999	218.9		Consultant
5/19/1999	218.1		Consultant
6/16/1999	216.5		Consultant
7/16/1999	215.6		Consultant
8/19/1999	214.1		Consultant
9/29/1999	213		Consultant
10/14/1999	213.5		Consultant
12/16/1999	214.1		Consultant
1/20/2000	215.6		Consultant
2/17/2000	217		Consultant
3/15/2000	218.2		Consultant
4/12/2000	219.1		Consultant
5/17/2000	218.7		Consultant
4/2000	217.9		Consultant
7/18/2000	216.2		Consultant
8/22/2000	215		Consultant
9/20/2000	214.1		Consultant
10/23/2000	213.8		Consultant

11/16/2000	214.2		Consultant
12/19/2000	215.9		Consultant
1/24/2001	217.6		Consultant
2/22/2001	219.4		Consultant
3/15/2001	220.3		USGS
4/24/2001	221.2		Consultant
5/22/2001	220.5		Consultant
6/21/2001	219		Consultant
7/16/2001	217.7		Consultant
8/22/2001	216.6		Consultant
9/26/2001	216.3		Consultant
10/24/2001	221.5		Consultant
11/20/2001	222.8		Consultant
12/19/2001	218.5		Consultant
1/14/2002	218.2		Consultant
2/20/2002	221.7		Consultant
3/27/2002	219.1		Consultant
4/22/2002	223.6		Consultant
5/22/2002	224		Consultant
6/19/2002	223		Consultant
7/16/2002	221.4		Consultant
8/22/2002	220.3		Consultant
9/19/2002	218.3		Consultant
10/16/2002	218.3		Consultant
12/17/2002	221.5		Consultant
1/15/2003	222.1		Consultant
2/25/2003	223.4		Consultant
3/20/2003	223.8		Consultant
4/14/2003	224.4		Consultant
5/20/2003	226.3		Consultant
6/18/2003	227		Consultant
7/17/2003	222.5		Consultant
8/13/2003	221.3		Consultant
9/24/2003	221.2		Consultant
10/24/2003	221.3		Consultant
11/21/2003	222.4		Consultant
1/20/2004	225.6		Consultant
3/19/2004	224.8		Consultant
5/19/2004	223		Consultant
7/14/2004	224.6		Consultant
9/14/2004	221		Consultant
11/17/2004	220.5		Consultant
1/18/2005	219.6		Consultant
3/14/2005	222.9		Consultant
5/25/2005	230.5		Consultant
6/21/2005	229.9		Consultant
8/15/2005	229.6		Consultant
10/20/2005	224.4		Consultant



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
4/10/1974	410.1		USGS
3/19/1980	415.6		USGS
3/25/1987	412.6		USGS
11/12/1997	414.6		Consultant
12/10/1997	416.4		Consultant
1/22/1998	418.1		Consultant
2/17/1998	419.8		Consultant
3/18/1998	420.5		Consultant
4/15/1998	421.2		Consultant
5/19/1998	421.1		Consultant
6/17/1998	444.2	Pumping	Consultant
[illegible]16/1998	412.7		Consultant
[illegible]0/14/1998	413.5		Consultant
11/11/1998	414.7		Consultant
12/17/1998	414.1		Consultant
1/21/1999	415.4		Consultant
2/18/1999	414.5		Consultant
3/18/1999	417.8		Consultant
4/15/1999	420.1		Consultant
9/29/1999	412		Consultant
10/14/1999	414.1		Consultant
11/16/1999	412.8		Consultant
12/16/1999	415		Consultant
1/20/2000	415.6		Consultant
2/17/2000	416.1		Consultant
3/15/2000	419.7		Consultant
4/12/2000	421.8		Consultant
5/17/2000	422.2	Pumping	Consultant
6/14/2000	422.2	Pumping	Consultant
8/23/2000	418	Pumping	Consultant
9/20/2000	416.8	Pumping	Consultant
10/23/2000	414.6	Foreign Substance	Consultant
[illegible]/16/2000	415.3		Consultant
[illegible]5/2001	421.6		USGS
4/24/2001	428.8	Pumping	Consultant
5/22/2001	425.4	Pumping	Consultant
8/22/2001	416.1		Consultant
9/26/2001	415.9		Consultant

10/25/2001	417.6		Consultant
11/20/2001	418.8		Consultant
12/19/2001	420		Consultant
/14/2002	441.4		Consultant
2/20/2002	423.7		Consultant
3/27/2002	424.7		Consultant
4/23/2002	425.7		Consultant
5/22/2002	426.5		Consultant
8/22/2002	425.1		Consultant
9/19/2002	421.8		Consultant
10/16/2002	423.3		Consultant
12/17/2002	424.7		Consultant
1/14/2003	426		Consultant
2/25/2003	426.7		Consultant
3/20/2003	427.2		Consultant
4/14/2003	427.9		Consultant
5/20/2003	428.6		Consultant
6/18/2003	430.7	Pumping	Consultant
7/17/2003	429	Pumping	Consultant
8/13/2003	429.3		Consultant
9/24/2003	425.6	Pumping	Consultant
10/24/2003	425.6	Foreign Substance	Consultant
11/21/2003	425.9	Foreign Substance	Consultant
/20/2004	428.4	Foreign Substance	Consultant
/18/2004	428.6		Consultant
5/19/2004	426.4		Consultant
7/28/2004	428.8		Consultant
9/14/2004	428.1		Consultant
11/17/2004	427.5		Consultant
1/18/2005	428.2		Consultant
3/14/2005	428.7		Consultant
5/25/2005	435.1	Pumping	Consultant
6/22/2005	436.3	Pumping	Consultant
8/15/2005	435.8		Consultant
10/20/2005	427		Consultant

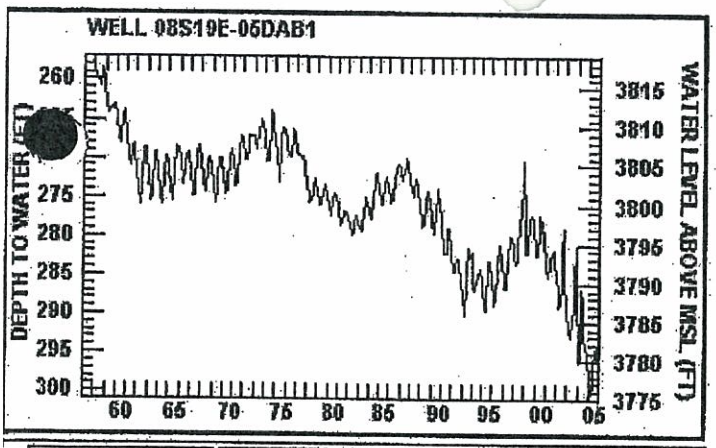


Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
7/2/1990	252.2	Pumping	USGS
10/19/1990	249.1	Pumping	USGS
11/26/1990	250.3		USGS
12/19/1990	251		USGS
1/18/1991	252.7		USGS
2/20/1991	254		USGS
3/13/1991	254.3		USGS
4/6/1991	255.4		USGS
5/13/1991	255.7		USGS
6/19/1991	254.7		USGS
7/26/1991	253.5		USGS
[illegible]16/1991	252.4		USGS
[illegible]/20/1991	251		USGS
10/25/1991	250.7		USGS
11/15/1991	252		USGS
12/10/1991	253		USGS
1/14/1992	254.3		USGS
2/6/1992	255.3		USGS
3/9/1992	256.5		USGS
4/13/1992	257.4		USGS
5/22/1992	256.9		USGS
6/9/1992	256.4		USGS
7/9/1992	255.3		USGS
8/18/1992	254.4		USGS
9/18/1992	254.5		USGS
10/26/1992	254.8		USGS
11/18/1992	255.6		USGS
12/14/1992	256.5		USGS
1/11/1993	257		USGS
2/2/1993	257.8		USGS
3/12/1993	258.6		USGS
4/22/1993	259.2		USGS
5/11/1993	259.6		USGS
[illegible]8/1993	258.6		USGS
[illegible]/22/1993	256.5		USGS
8/18/1993	254.7		USGS
9/14/1993	253.6		USGS
10/14/1993	253		USGS

11/9/1993	253.4		USGS
12/2/1993	254		USGS
1/18/1994	255.6		USGS
/8/1994	256.2		USGS
3/7/1994	257		USGS
4/14/1994	258.3		USGS
5/18/1994	257.2		USGS
6/15/1994	255.9		USGS
7/19/1994	261.2		USGS
8/19/1994	253.9		USGS
9/9/1994	257.6		USGS
10/11/1994	252.7		USGS
11/18/1994	253.8		USGS
12/14/1994	254.9		USGS
1/10/1995	255.7		USGS
2/7/1995	255.9		USGS
3/10/1995	257.8		USGS
4/12/1995	258.9		USGS
5/15/1995	258.8		USGS
6/14/1995	257.5		USGS
7/14/1995	256.5		USGS
8/22/1995	254.7		USGS
9/14/1995	255.4		USGS
10/23/1995	253.3		USGS
11/13/1995	255.7		USGS
/9/1996	256.7		USGS
/22/1996	256.2		USGS
2/14/1996	257		USGS
3/6/1996	259.1		USGS
4/16/1996	259.2		USGS
5/8/1996	258.9		USGS
6/17/1996	256.3		USGS
7/11/1996	255.7		USGS
8/19/1996	253.9		USGS
9/18/1996	252.9		USGS
10/21/1996	255.3		USGS
11/14/1996	253.3		USGS
12/16/1996	254.6		USGS
1/15/1997	255		USGS
2/10/1997	258.2		USGS
3/3/1997	256.1		USGS
4/14/1997	260.7		USGS
5/5/1997	257.1		USGS
6/12/1997	261.5		USGS
7/14/1997	253.9		USGS
8/4/1997	253.7		USGS
9/11/1997	253.5		USGS
10/21/1997	251.2		USGS
/25/1997	254.2		USGS
12/22/1997	253		USGS
1/14/1998	253.6		USGS
2/17/1998	254.3		USGS
3/18/1998	255.4		USGS

4/15/1998	256.1		USGS
5/19/1998	255.8		USGS
6/9/1998	254.2		USGS
[illegible]/24/1998	252.5		USGS
8/17/1998	251.5		USGS
9/16/1998	250.5		USGS
10/22/1998	250.6		USGS
11/2/1998	250.6		USGS
12/15/1998	252.2		USGS
1/11/1999	252.9		USGS
2/10/1999	252.9		USGS
3/9/1999	258.2		USGS
4/26/1999	255.7		USGS
5/26/1999	260.2		USGS
6/9/1999	254.1		USGS
7/19/1999	261.2		USGS
8/10/1999	252.2		USGS
9/24/1999	251.2		USGS
10/19/1999	251.3		USGS
11/30/1999	251.6		USGS
12/20/1999	252.5		USGS
1/26/2000	253.9		USGS
2/14/2000	254.6		USGS
3/15/2000	255		USGS
4/28/2000	256.4		USGS
[illegible]/11/2000	255.9		USGS
6/29/2000	254.3		USGS
7/28/2000	253.2		USGS
8/9/2000	252.6		USGS
9/22/2000	251.3		USGS
10/30/2000	251.7		USGS
11/9/2000	251.5		USGS
12/4/2000	256.4		USGS
2/1/2001	255.1		USGS
3/26/2001	256.8		USGS
4/27/2001	255.8		USGS
5/21/2001	257.3		USGS
6/27/2001	255.2		USGS
7/9/2001	255.1		USGS
8/17/2001	254.9		USGS
9/18/2001	253.4		USGS
10/22/2001	253		USGS
11/27/2001	254.3	Recently Pumped	USGS
12/19/2001	255.4	Recently Pumped	USGS
1/28/2002	257	Recently Pumped	USGS
[illegible]5/2002	257.8		USGS
4/1/2002	258.7		USGS
4/29/2002	259.4	Recently Pumped	USGS
5/30/2002	259.4		USGS
6/20/2002	258.4		USGS

7/18/2002	257.6		USGS
8/16/2002	257.3		USGS
9/25/2002	255.6		USGS
/15/2002	255.6		USGS
11/25/2002	256.9	Recently Pumped	USGS
12/18/2002	257.6		USGS
1/15/2003	258.8		USGS
2/19/2003	259.8		USGS
3/20/2003	260.4		USGS
4/23/2003	261.1		USGS
5/16/2003	261.3		USGS
6/23/2003	259.6		USGS
7/17/2003	258.8		USGS
8/20/2003	259.9		USGS
9/8/2003	256.8		USGS
11/24/2003	258.1		USGS
1/21/2004	260.8		USGS
3/18/2004	261.9		USGS
5/11/2004	262.7	Recently Pumped	USGS
7/26/2004	259.8		USGS
9/24/2004	259.1		USGS
11/29/2004	261		USGS
1/18/2005	262.6		USGS
3/31/2005	264.4		USGS
/26/2005	264.6		USGS
7/19/2005	261.9		USGS
9/30/2005	259.6		USGS
11/28/2005	261		USGS



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
9/10/1957	258		USGS
10/7/1957	257.7		USGS
10/8/1957	257.8		USGS
10/10/1957	257.8		USGS
7/16/1958	260.8		USGS
9/22/1958	258.5		USGS
11/20/1958	260.1		USGS
1/20/1959	262.9		USGS
4/1/1959	264.1		USGS
11/18/1959	263.2		USGS
3/23/1960	267.1		USGS
6/1960	267.5		USGS
4/13/1960	267.7		USGS
4/15/1960	267.7		USGS
4/20/1960	267.8		USGS
4/25/1960	267.9		USGS
4/30/1960	268		USGS
5/5/1960	267.9		USGS
5/10/1960	267.8		USGS
5/15/1960	267.5		USGS
5/20/1960	267.3		USGS
5/25/1960	267.2		USGS
5/31/1960	267.1		USGS
6/5/1960	266.9		USGS
6/10/1960	266.7		USGS
6/15/1960	266.5		USGS
6/20/1960	266.5		USGS
6/25/1960	266.2		USGS
6/30/1960	266.1		USGS
7/5/1960	266		USGS
7/10/1960	265.7		USGS
7/15/1960	265.5		USGS
7/20/1960	265.2		USGS
25/1960	265		USGS
31/1960	264.8		USGS
8/5/1960	264.6		USGS
8/10/1960	264.5		USGS
8/15/1960	264.2		USGS

8/20/1960	264.2		USGS
8/25/1960	264.3		USGS
8/31/1960	264.1		USGS
/5/1960	264.2		USGS
9/10/1960	264.2		USGS
9/15/1960	264.1		USGS
9/20/1960	264.1		USGS
9/25/1960	264.1		USGS
9/30/1960	264		USGS
10/5/1960	264.1		USGS
10/10/1960	264.2		USGS
10/15/1960	264.6		USGS
10/20/1960	264.6		USGS
10/25/1960	264.7		USGS
10/31/1960	264.9		USGS
11/5/1960	265.3		USGS
11/10/1960	265.4		USGS
11/15/1960	265.5		USGS
11/20/1960	265.7		USGS
11/25/1960	265.7		USGS
11/30/1960	266.1		USGS
12/5/1960	266.3		USGS
12/10/1960	266.4		USGS
12/15/1960	266.7		USGS
12/20/1960	267		USGS
/25/1960	267.1		USGS
/31/1960	267.2		USGS
1/1/1961	267.3		USGS
1/5/1961	267.5		USGS
1/10/1961	267.8		USGS
1/12/1961	267.8		USGS
1/25/1961	268.2		USGS
1/31/1961	268.4		USGS
2/5/1961	268.7		USGS
2/10/1961	268.7		USGS
2/15/1961	268.8		USGS
2/20/1961	269.2		USGS
2/25/1961	269.2		USGS
2/28/1961	269.4		USGS
3/5/1961	269.3		USGS
3/10/1961	269.6		USGS
3/21/1961	270		USGS
3/25/1961	269.9		USGS
3/31/1961	270.2		USGS
4/5/1961	270.4		USGS
4/10/1961	270.6		USGS
4/15/1961	270.8		USGS
/22/1961	270.8		USGS
/25/1961	271		USGS
4/30/1961	271		USGS
5/5/1961	270.9		USGS
5/10/1961	270.7		USGS
5/15/1961	270.6		USGS

5/20/1961	270.5	USGS
5/25/1961	270.4	USGS
5/31/1961	270.3	USGS
/5/1961	270.2	USGS
6/11/1961	269.9	USGS
6/15/1961	269.9	USGS
6/19/1961	269.7	USGS
6/25/1961	269.4	USGS
6/30/1961	269.3	USGS
7/5/1961	269.1	USGS
7/10/1961	269	USGS
7/15/1961	268.8	USGS
7/18/1961	268.8	USGS
8/10/1961	268.4	USGS
8/15/1961	268.3	USGS
8/20/1961	268.4	USGS
8/25/1961	268.3	USGS
8/31/1961	268.2	USGS
9/5/1961	268.3	USGS
9/10/1961	268.4	USGS
9/15/1961	268.5	USGS
9/20/1961	268.6	USGS
9/25/1961	269	USGS
9/30/1961	269.2	USGS
10/5/1961	269.4	USGS
10/10/1961	269.5	USGS
10/15/1961	269.9	USGS
10/20/1961	269.8	USGS
10/25/1961	270.2	USGS
10/31/1961	270.4	USGS
11/5/1961	270.8	USGS
11/10/1961	270.8	USGS
11/15/1961	271	USGS
11/20/1961	271	USGS
11/25/1961	271.3	USGS
11/30/1961	271.4	USGS
12/5/1961	271.7	USGS
12/10/1961	271.8	USGS
12/15/1961	272	USGS
12/20/1961	272.2	USGS
12/21/1961	272.2	USGS
1/16/1962	273.1	USGS
1/20/1962	272.9	USGS
1/25/1962	273.4	USGS
1/31/1962	273.7	USGS
2/5/1962	273.8	USGS
2/10/1962	273.8	USGS
5/1962	273.9	USGS
/15/1962	274.8	USGS
3/20/1962	274.8	USGS
3/25/1962	275.1	USGS
3/31/1962	275.2	USGS

4/5/1962	275.4		USGS
4/10/1962	275.4		USGS
4/15/1962	275.5		USGS
[illegible]20/1962	275.6		USGS
4/22/1962	275.8		USGS
4/25/1962	275.7		USGS
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5/5/1962	275.6		USGS
5/10/1962	275.3		USGS
5/15/1962	275.1		USGS
5/20/1962	275.1		USGS
5/25/1962	274.9		USGS
5/31/1962	275		USGS
6/18/1962	274.3		USGS
6/20/1962	274.1		USGS
6/25/1962	273.6		USGS
6/30/1962	273.2		USGS
7/5/1962	272.8		USGS
7/10/1962	272.6		USGS
7/15/1962	272.2		USGS
7/20/1962	271.9		USGS
7/25/1962	271.6		USGS
7/31/1962	271.2		USGS
8/5/1962	270.8		USGS
8/10/1962	270.6		USGS
[illegible]15/1962	270.4		USGS
[illegible]20/1962	270.1		USGS
8/25/1962	269.9		USGS
8/31/1962	269.6		USGS
9/5/1962	269.4		USGS
9/10/1962	269.1		USGS
9/15/1962	269.2		USGS
9/20/1962	268.8		USGS
9/25/1962	268.9		USGS
9/30/1962	268.9		USGS
10/4/1962	268.6		USGS
10/5/1962	268.6		USGS
10/10/1962	268.6		USGS
10/16/1962	269		USGS
10/20/1962	269.1		USGS
10/25/1962	269.1		USGS
10/31/1962	269.3		USGS
11/5/1962	269.3		USGS
11/10/1962	269.5		USGS
11/15/1962	269.6		USGS
11/20/1962	269.8		USGS
11/25/1962	270		USGS
11/30/1962	270.1		USGS
[illegible]2/5/1962	270.4		USGS
12/10/1962	270.7		USGS
12/15/1962	270.7		USGS
12/20/1962	271.1		USGS
12/25/1962	271.2		USGS

12/31/1962	271.4	USGS
1/5/1963	271.7	USGS
1/10/1963	271.6	USGS
1/15/1963	272	USGS
1/20/1963	272.3	USGS
1/25/1963	272.3	USGS
1/31/1963	272.4	USGS
2/5/1963	272.8	USGS
2/10/1963	272.8	USGS
2/15/1963	273.2	USGS
2/20/1963	273.4	USGS
2/25/1963	273.6	USGS
2/28/1963	273.7	USGS
3/5/1963	273.8	USGS
3/10/1963	273.8	USGS
3/15/1963	273.9	USGS
3/20/1963	274.3	USGS
3/25/1963	274.5	USGS
3/31/1963	274.6	USGS
4/5/1963	274.8	USGS
4/10/1963	274.9	USGS
4/15/1963	275	USGS
4/20/1963	275.2	USGS
4/25/1963	275.3	USGS
4/29/1963	275.4	USGS
5/30/1963	275.3	USGS
5/5/1963	275.3	USGS
5/23/1963	274.6	USGS
5/25/1963	274.6	USGS
5/31/1963	274.2	USGS
6/5/1963	273.9	USGS
6/10/1963	273.6	USGS
6/15/1963	273.6	USGS
6/20/1963	273.3	USGS
6/25/1963	273.2	USGS
6/30/1963	272.9	USGS
7/5/1963	272.5	USGS
7/9/1963	272.2	USGS
7/15/1963	271.8	USGS
7/20/1963	271.4	USGS
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7/31/1963	270.7	USGS
8/5/1963	270.5	USGS
8/10/1963	270.3	USGS
8/15/1963	270.2	USGS
8/20/1963	270	USGS
8/25/1963	269.8	USGS
8/31/1963	269.7	USGS
9/5/1963	269.6	USGS
9/10/1963	269.5	USGS
9/15/1963	269.2	USGS
9/20/1963	269.2	USGS

9/25/1963	269.3		USGS
9/30/1963	269.2		USGS
10/4/1963	269.1		USGS
/5/1963	269.2		USGS
10/10/1963	269.3		USGS
10/15/1963	269.4		USGS
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10/31/1963	269.8		USGS
11/5/1963	269.6		USGS
11/10/1963	269.9		USGS
11/15/1963	269.9		USGS
11/20/1963	270		USGS
11/25/1963	270.5		USGS
11/30/1963	270.6		USGS
12/5/1963	270.8		USGS
12/10/1963	270.8		USGS
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12/20/1963	271.6		USGS
12/25/1963	271.7		USGS
12/31/1963	271.7		USGS
1/5/1964	271.8		USGS
1/10/1964	272.2		USGS
1/15/1964	272.4		USGS
1/20/1964	272.2		USGS
/25/1964	272.7		USGS
/31/1964	273		USGS
2/5/1964	273.1		USGS
2/10/1964	273.3		USGS
2/15/1964	273.3		USGS
4/20/1964	275.6		USGS
4/25/1964	275.7		USGS
4/30/1964	275.8		USGS
5/5/1964	275.7		USGS
5/10/1964	275.9		USGS
5/11/1964	276		USGS
5/15/1964	275.8		USGS
5/20/1964	275.6		USGS
5/25/1964	275.4		USGS
5/31/1964	275.2		USGS
6/5/1964	274.9		USGS
6/10/1964	274.6		USGS
6/15/1964	274.4		USGS
6/20/1964	274.2		USGS
6/25/1964	274		USGS
6/30/1964	273.8		USGS
7/5/1964	273.4		USGS
7/10/1964	273		USGS
/15/1964	272.5		USGS
7/20/1964	272.2		USGS
7/24/1964	272.1		USGS
9/16/1964	270.1		USGS
9/20/1964	270		USGS

9/25/1964	269.9		USGS
9/30/1964	269.9		USGS
10/5/1964	270.1		USGS
[illegible]/10/1964	270		USGS
10/15/1964	269.9		USGS
10/20/1964	270.2		USGS
10/25/1964	270.1		USGS
10/31/1964	270.3		USGS
11/5/1964	270.4		USGS
11/10/1964	270.3		USGS
11/15/1964	270.6		USGS
11/20/1964	270.8		USGS
11/25/1964	270.8		USGS
11/30/1964	271		USGS
12/5/1964	271.3		USGS
12/10/1964	271.2		USGS
12/15/1964	271.4		USGS
12/16/1964	271.5		USGS
1/13/1965	272.6		USGS
1/15/1965	272.7		USGS
1/20/1965	272.7		USGS
1/25/1965	272.8		USGS
1/31/1965	273		USGS
2/5/1965	273.1		USGS
2/10/1965	273.3		USGS
[illegible]5/1965	273.5		USGS
2/20/1965	273.6		USGS
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3/20/1965	274.5		USGS
3/25/1965	274.5		USGS
3/31/1965	274.7		USGS
4/5/1965	274.8		USGS
4/10/1965	274.8		USGS
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4/25/1965	275.3		USGS
4/27/1965	275.3		USGS
4/30/1965	275.2		USGS
5/5/1965	275		USGS
5/10/1965	275		USGS
5/15/1965	274.7		USGS
5/20/1965	274.4		USGS
[illegible]5/1965	274.1		USGS
[illegible]/31/1965	273.8		USGS
6/5/1965	273.6		USGS
6/10/1965	273.4		USGS
6/15/1965	273		USGS

6/20/1965	273		USGS
6/25/1965	272.6		USGS
6/30/1965	272.6		USGS
/5/1965	272.4		USGS
7/10/1965	272.1		USGS
7/15/1965	271.9		USGS
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7/31/1965	270.8		USGS
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8/31/1965	269.7		USGS
9/5/1965	269.4		USGS
9/10/1965	269.3		USGS
9/15/1965	269.1		USGS
9/20/1965	269		USGS
9/25/1965	268.8		USGS
9/30/1965	268.9		USGS
10/5/1965	268.8		USGS
10/10/1965	268.7		USGS
10/14/1965	268.5		USGS
10/15/1965	268.5		USGS
/20/1965	268.7		USGS
/25/1965	268.8		USGS
10/31/1965	268.8		USGS
11/5/1965	268.7		USGS
11/10/1965	268.7		USGS
11/15/1965	268.8		USGS
11/20/1965	268.8		USGS
11/25/1965	268.7		USGS
11/30/1965	269		USGS
12/5/1965	269.2		USGS
12/10/1965	269		USGS
12/15/1965	269.2		USGS
12/20/1965	269.5		USGS
12/25/1965	269.4		USGS
12/31/1965	269.5		USGS
1/5/1966	269.9		USGS
1/10/1966	270		USGS
1/15/1966	270.3		USGS
1/20/1966	270.4		USGS
1/25/1966	270.6		USGS
1/31/1966	270.6		USGS
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/10/1966	271		USGS
/15/1966	271.2		USGS
2/20/1966	271.5		USGS
2/25/1966	271.4		USGS
2/28/1966	271.6		USGS
3/5/1966	271.9		USGS

3/10/1966	271.9		USGS
3/15/1966	272		USGS
3/20/1966	272.2		USGS
[illegible]/25/1966	272.4		USGS
3/31/1966	272.6		USGS
4/5/1966	272.8		USGS
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4/20/1966	273.1		USGS
4/24/1966	273.2		USGS
4/25/1966	273.1		USGS
4/30/1966	273.1		USGS
5/5/1966	273		USGS
5/10/1966	272.6		USGS
5/15/1966	272.5		USGS
5/20/1966	272.4		USGS
5/25/1966	272.4		USGS
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6/5/1966	272.1		USGS
6/10/1966	271.8		USGS
6/15/1966	271.8		USGS
6/20/1966	271.5		USGS
6/25/1966	271.4		USGS
6/30/1966	271		USGS
7/5/1966	270.9		USGS
[illegible]10/1966	270.7		USGS
7/15/1966	270.4		USGS
7/20/1966	270.2		USGS
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8/5/1966	269.8		USGS
8/10/1966	269.6		USGS
8/15/1966	269.5		USGS
8/20/1966	269.5		USGS
8/25/1966	269.5		USGS
8/31/1966	269.4		USGS
9/5/1966	269.5		USGS
9/10/1966	269.4		USGS
9/15/1966	269.4		USGS
9/20/1966	269.5		USGS
9/25/1966	269.4		USGS
9/30/1966	269.4		USGS
10/2/1966	269.1		USGS
10/5/1966	269.4		USGS
10/10/1966	269.4		USGS
10/15/1966	269.4		USGS
10/20/1966	269.3		USGS
[illegible]25/1966	269.7		USGS
[illegible]/31/1966	269.8		USGS
11/5/1966	269.7		USGS
11/10/1966	269.8		USGS
11/15/1966	269.9		USGS

11/20/1966	270		USGS
11/25/1966	270.3		USGS
11/30/1966	270.5		USGS
[illegible]/5/1966	270.4		USGS
12/10/1966	270.8		USGS
12/15/1966	271.1		USGS
12/20/1966	271.1		USGS
12/25/1966	271.2		USGS
12/31/1966	271.5		USGS
1/5/1967	271.6		USGS
1/10/1967	272.1		USGS
1/15/1967	272.1		USGS
1/20/1967	272.1		USGS
1/25/1967	272.4		USGS
1/31/1967	272.5		USGS
2/5/1967	272.9		USGS
2/10/1967	273		USGS
2/15/1967	273.1		USGS
2/20/1967	273.5		USGS
2/25/1967	273.4		USGS
2/28/1967	273.6		USGS
3/5/1967	273.8		USGS
3/10/1967	273.7		USGS
3/15/1967	274.1		USGS
3/20/1967	274.2		USGS
[illegible]25/1967	274.3		USGS
[illegible]31/1967	274.4		USGS
4/5/1967	274.6		USGS
4/10/1967	274.7		USGS
4/15/1967	274.8		USGS
4/20/1967	274.9		USGS
4/25/1967	275		USGS
4/26/1967	275		USGS
4/30/1967	274.8		USGS
5/5/1967	274.7		USGS
5/10/1967	274.4		USGS
5/15/1967	274.4		USGS
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5/31/1967	273.8		USGS
6/5/1967	273.2		USGS
6/10/1967	272.8		USGS
6/15/1967	272.7		USGS
6/20/1967	272.5		USGS
6/25/1967	272.2		USGS
6/30/1967	272		USGS
7/5/1967	271.6		USGS
7/10/1967	271.3		USGS
[illegible]15/1967	271		USGS
7/20/1967	270.7		USGS
7/25/1967	270.4		USGS
7/31/1967	270.1		USGS
8/5/1967	269.9		USGS

8/10/1967	269.7	USGS
8/15/1967	269.5	USGS
8/20/1967	269.4	USGS
8/25/1967	269.3	USGS
8/31/1967	269.2	USGS
9/5/1967	269.1	USGS
9/10/1967	269	USGS
9/15/1967	269	USGS
9/20/1967	268.9	USGS
9/25/1967	268.8	USGS
9/30/1967	268.7	USGS
10/2/1967	268.5	USGS
10/5/1967	268.7	USGS
10/10/1967	268.8	USGS
10/15/1967	269	USGS
10/20/1967	268.9	USGS
10/25/1967	268.9	USGS
10/31/1967	269.1	USGS
11/5/1967	269.1	USGS
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11/20/1967	269.4	USGS
11/25/1967	269.5	USGS
11/30/1967	269.5	USGS
12/5/1967	269.6	USGS
12/10/1967	270	USGS
12/15/1967	270.1	USGS
12/20/1967	270	USGS
12/25/1967	270.4	USGS
12/31/1967	270.5	USGS
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1/20/1968	271.5	USGS
1/25/1968	271.4	USGS
1/31/1968	271.6	USGS
2/5/1968	271.9	USGS
2/10/1968	272	USGS
2/15/1968	272.2	USGS
2/20/1968	272.3	USGS
2/25/1968	272.6	USGS
2/29/1968	272.7	USGS
3/5/1968	272.7	USGS
3/10/1968	273	USGS
3/15/1968	273.2	USGS
3/20/1968	273.4	USGS
3/25/1968	273.4	USGS
3/31/1968	273.6	USGS
4/5/1968	273.7	USGS
4/10/1968	274	USGS
4/15/1968	274	USGS
4/20/1968	274.2	USGS

4/23/1968	274.4		USGS
4/25/1968	274.2		USGS
4/30/1968	274.1		USGS
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5/10/1968	273.8		USGS
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6/15/1968	272.8		USGS
6/20/1968	272.6		USGS
6/25/1968	272.4		USGS
6/30/1968	272.2		USGS
7/5/1968	272		USGS
7/10/1968	271.8		USGS
7/15/1968	271.4		USGS
7/20/1968	271.4		USGS
7/25/1968	271.2		USGS
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8/5/1968	270.8		USGS
8/10/1968	270.7		USGS
8/15/1968	270.5		USGS
8/20/1968	270.3		USGS
25/1968	270.4		USGS
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9/5/1968	270.5		USGS
9/10/1968	270.4		USGS
9/15/1968	270.3		USGS
9/20/1968	270.1		USGS
9/25/1968	270.4		USGS
9/30/1968	270.3		USGS
10/5/1968	270.3		USGS
10/10/1968	270.1		USGS
10/12/1968	270		USGS
10/15/1968	270.2		USGS
10/20/1968	270.2		USGS
10/25/1968	270.5		USGS
10/31/1968	270.5		USGS
11/5/1968	270.6		USGS
11/10/1968	270.7		USGS
11/15/1968	270.6		USGS
11/20/1968	271		USGS
11/25/1968	270.9		USGS
11/30/1968	271		USGS
12/5/1968	271.2		USGS
12/10/1968	271.3		USGS
/15/1968	271.4		USGS
12/20/1968	271.5		USGS
12/25/1968	271.6		USGS
12/31/1968	272.1		USGS
1/5/1969	272.2		USGS

1/10/1969	272.2	USGS
1/15/1969	272.4	USGS
1/20/1969	272.4	USGS
/25/1969	272.6	USGS
1/31/1969	273	USGS
2/5/1969	273	USGS
2/10/1969	273.3	USGS
2/15/1969	273.3	USGS
2/20/1969	273.5	USGS
2/25/1969	273.6	USGS
2/28/1969	273.8	USGS
3/5/1969	273.9	USGS
3/10/1969	274.2	USGS
3/15/1969	274.5	USGS
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3/31/1969	274.8	USGS
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4/15/1969	275.2	USGS
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4/27/1969	275.5	USGS
4/30/1969	275.3	USGS
/5/1969	275.3	USGS
10/1969	275.2	USGS
5/15/1969	275	USGS
5/20/1969	274.8	USGS
5/25/1969	274.6	USGS
5/31/1969	275	USGS
6/5/1969	274.2	USGS
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6/15/1969	273.4	USGS
6/20/1969	273.1	USGS
6/25/1969	272.9	USGS
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7/5/1969	272.7	USGS
7/10/1969	272.6	USGS
7/15/1969	272.3	USGS
7/20/1969	272.1	USGS
7/25/1969	271.8	USGS
7/31/1969	271.5	USGS
8/5/1969	271.3	USGS
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8/15/1969	270.8	USGS
8/20/1969	270.7	USGS
8/25/1969	270.6	USGS
31/1969	270.6	USGS
/5/1969	270.4	USGS
9/10/1969	270.4	USGS
9/15/1969	270.3	USGS
9/20/1969	270.2	USGS

9/25/1969	270.2		USGS
9/30/1969	270.1		USGS
10/2/1969	269.9		USGS
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10/10/1969	269.9		USGS
10/15/1969	270.1		USGS
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11/15/1969	270.4		USGS
11/20/1969	270.8		USGS
11/25/1969	270.9		USGS
11/30/1969	271		USGS
12/5/1969	271		USGS
12/10/1969	271		USGS
12/15/1969	271.2		USGS
12/20/1969	271.4		USGS
12/25/1969	271.4		USGS
12/31/1969	271.7		USGS
1/5/1970	271.9		USGS
2/6/1970	272.8		USGS
2/10/1970	272.9		USGS
2/15/1970	273		USGS
2/20/1970	273.2		USGS
2/25/1970	273.4		USGS
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3/10/1970	273.4		USGS
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3/25/1970	274		USGS
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4/5/1970	274.3		USGS
4/10/1970	274.3		USGS
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4/20/1970	274.5		USGS
4/25/1970	274.5		USGS
4/30/1970	274.6		USGS
5/1/1970	274.7		USGS
5/5/1970	274.5		USGS
5/10/1970	274.2		USGS
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6/10/1970	273		USGS
6/15/1970	272.8		USGS
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6/25/1970	272.5		USGS
6/30/1970	272.2		USGS

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8/25/1970	269.8	USGS
8/31/1970	269.7	USGS
9/5/1970	269.4	USGS
9/10/1970	269.6	USGS
9/15/1970	269.4	USGS
9/20/1970	269.3	USGS
9/25/1970	269.5	USGS
9/30/1970	269.3	USGS
10/5/1970	269	USGS
10/9/1970	269	USGS
10/10/1970	269	USGS
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10/31/1970	269.4	USGS
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11/20/1970	269.6	USGS
11/25/1970	269.6	USGS
11/30/1970	269.7	USGS
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12/10/1970	270.2	USGS
12/15/1970	270.3	USGS
12/20/1970	270.3	USGS
12/25/1970	270.6	USGS
12/31/1970	270.7	USGS
1/2/1971	270.7	USGS
1/5/1971	271	USGS
1/10/1971	270.8	USGS
1/15/1971	271.2	USGS
1/20/1971	271.3	USGS
1/25/1971	271.4	USGS
1/31/1971	271.6	USGS
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2/15/1971	271.8	USGS
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[illegible]25/1971	272.1	USGS
2/28/1971	272.1	USGS
3/5/1971	272.4	USGS
3/10/1971	272.5	USGS

3/15/1971	272.7		USGS
3/20/1971	272.8		USGS
3/25/1971	272.8		USGS
3/31/1971	273.1		USGS
4/5/1971	273.3		USGS
4/10/1971	273.3		USGS
4/12/1971	273.5		USGS
4/15/1971	273.3		USGS
4/20/1971	273.2		USGS
4/25/1971	273.3		USGS
4/30/1971	273.3		USGS
5/5/1971	273		USGS
5/10/1971	273.1		USGS
5/15/1971	272.8		USGS
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7/20/1971	269.7		USGS
7/25/1971	269.4		USGS
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8/5/1971	268.9		USGS
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3/8/1975	269.4		USGS
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9/22/1976	266.4	USGS
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7/13/1977	269.6	USGS
9/13/1977	269.9	USGS
11/15/1977	271.8	USGS
1/24/1978	273.9	USGS
3/25/1978	275.6	USGS
5/17/1978	275.4	USGS
7/7/1978	274.7	USGS
9/19/1978	272.6	USGS
3/19/1979	276	USGS
9/19/1979	273.4	USGS
3/19/1980	277.2	USGS
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9/15/1980	274.4	USGS
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24/1981	278.6	USGS
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9/21/1981	276.8	USGS
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3/22/1983	279.3	USGS
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9/24/1985	272.4	USGS
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9/18/1987	270.1	USGS
24/1987	271.2	USGS
14/1988	272.8	USGS
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7/19/1988	272.6	USGS

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1/12/1990	276.7		USGS
3/29/1990	279.5		USGS
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7/20/1990	276.4		USGS
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1/18/1991	277.5		USGS
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1/18/1994	282		USGS
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11/18/1994	284.2		USGS
1/23/1995	287		USGS
3/10/1995	288.7		USGS
5/15/1995	289.6		USGS
7/14/1995	285.4		USGS
9/11/1995	283		USGS
11/13/1995	284.2		USGS
1/18/1996	286.5		USGS
3/6/1996	288.6		USGS
5/8/1996	287.7		USGS
9/18/1996	281		USGS
11/14/1996	282.4		USGS
1/15/1997	284.7		USGS
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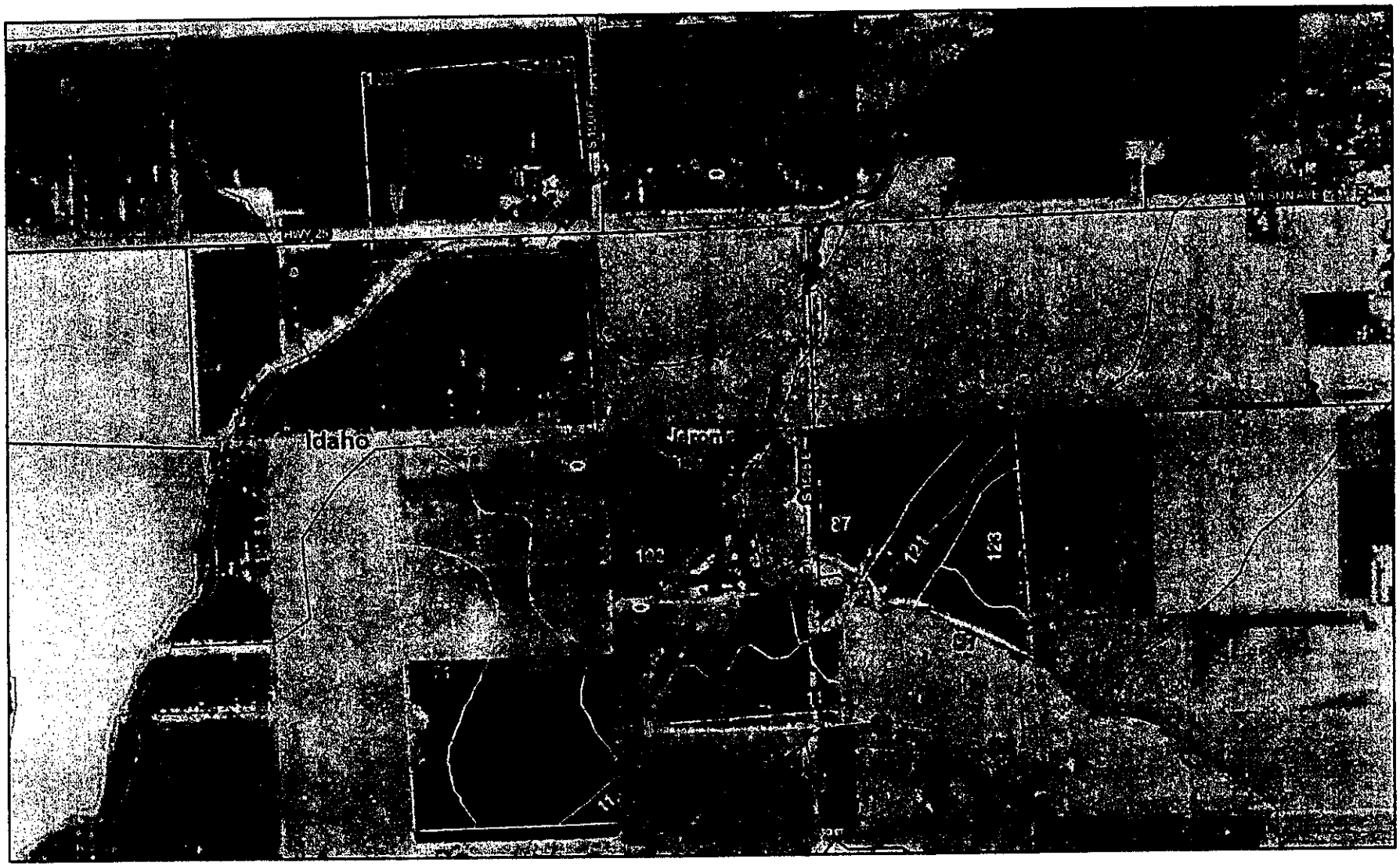
9/12/1997	280		USGS
11/25/1997	279.9		USGS
1/20/1998	281.7		USGS

3/17/1998	283.6	USGS
5/20/1998	283.1	USGS
7/24/1998	279.2	USGS
/16/1998	277.5	USGS
11/2/1998	277.3	USGS
1/14/1999	270.2	USGS
3/10/1999	282.1	USGS
5/6/1999	282.3	USGS
7/15/1999	278.2	USGS
9/21/1999	277.3	USGS
11/17/1999	277.6	USGS
1/7/2000	279.9	USGS
3/15/2000	282.4	USGS
5/11/2000	282.5	USGS
7/27/2000	277.4	USGS
9/22/2000	279.2	USGS
11/8/2000	279.3	USGS
1/19/2001	282.7	USGS
3/20/2001	285.1	USGS
5/31/2001	284.1	USGS
7/9/2001	282.7	USGS
10/16/2001	281.9	USGS
11/27/2001	284	USGS
1/24/2002	284.3	USGS
3/26/2002	288.9	USGS
28/2002	288.6	USGS
/18/2002	286.8	USGS
9/24/2002	278.9	USGS
11/20/2002	287.9	USGS
1/22/2003	290.5	USGS
3/20/2003	292.3	USGS
5/16/2003	292.8	USGS
7/17/2003	290.1	USGS
9/8/2003	289.5	USGS
11/14/2003	281.4	USGS
1/23/2004	294.2	USGS
3/23/2004	296	USGS
5/11/2004	286.8	USGS
7/23/2004	293.3	USGS
9/24/2004	294	USGS
11/30/2004	296.3	USGS
1/18/2005	297.9	USGS
3/31/2005	300.2	USGS
5/26/2005	299.1	USGS
7/19/2005	295.1	USGS
9/30/2005	294.2	USGS
11/27/2005	296	USGS

SOIL SURVEY OF JEROME COUNTY AND PART OF TWIN FALLS COUNTY, IDAHO



MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 11

Soil Survey Area: Jerome County and Part of Twin Falls County, Idaho
Spatial Version of Data: 1
Soil Map Compilation Scale: 1:24000

Map comprised of aerial images photographed on these dates:
7/26/1992; 7/30/1992

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

Jerome County and Part of Twin Falls County, Idaho

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
11	Bahem silt loam, 4 to 8 percent slopes	19.6	8.1
12	Bahem silt loam, 8 to 12 percent slopes	2.2	0.9
68	Minidoka silt loam, 2 to 4 percent slopes	36.2	15.0
71	Minveno very stony silt loam, 2 to 20 percent slopes	18.4	7.6
87	Portneuf silt loam, 2 to 4 percent slopes	36.7	15.2
102	Rad silt loam, 12 to 20 percent slopes	64.5	26.7
123	Sluka silt loam, 1 to 4 percent slopes	7.2	3.0
124	Sluka silt loam, 4 to 8 percent slopes	55.4	23.0
132	Taunton sandy loam, 1 to 4 percent slopes	1.0	0.4

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

11 Bahem silt loam, 4 to 8 percent slopes

Setting

Elevation: 2000 to 5000 feet
Mean annual precipitation: 7 to 12 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 170 days

Composition

Bahem and similar soils: 90 percent

Description of Bahem

Setting

Landform: Lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium and/or loess

Properties and Qualities

Slope: 4 to 8 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 30 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: High (about 9.7 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 6e
Ecological site: LOAMY 8-10 ARTRW8/ACTH7 (R011AY001ID)

Typical Profile

0 to 9 inches: silt loam
9 to 70 inches: silt loam

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

12 Bahem silt loam, 8 to 12 percent slopes

Setting

Elevation: 2000 to 5000 feet
Mean annual precipitation: 7 to 12 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 170 days

Composition

Bahem and similar soils: 95 percent

Description of Bahem

Setting

Landform: Lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium and/or loess

Properties and Qualities

Slope: 8 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 30 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: High (about 9.4 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: LOAMY 8-10 ARTRW8/ACTH7 (R011AY001ID)

Typical Profile

0 to 10 inches: silt loam
10 to 28 inches: silt loam
28 to 60 inches: very fine sandy loam

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

68 Minidoka silt loam, 2 to 4 percent slopes

Setting

Elevation: 2300 to 5000 feet
Mean annual precipitation: 8 to 11 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 110 to 160 days

Composition

Minidoka and similar soils: 90 percent

Description of Minidoka

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium and/or loess and/or lacustrine deposits over bedrock derived from basalt

Properties and Qualities

Slope: 2 to 4 percent
Depth to restrictive feature: 20 to 40 inches to Duripan; 40 to 60 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 40 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: Low (about 5.2 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 6s

Typical Profile

0 to 6 inches: silt loam
6 to 26 inches: silt loam
26 to 40 inches: cemented material
40 to 50 inches: unweathered bedrock

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

71 Minveno very stony silt loam, 2 to 20 percent slopes

Setting

Elevation: 3500 to 4500 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 110 to 140 days

Composition

Minveno and similar soils: 90 percent

Description of Minveno

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Volcanic ash and/or loess and/or mixed silty alluvium over bedrock derived from volcanic rock and/or basalt

Properties and Qualities

Slope: 2 to 20 percent
Depth to restrictive feature: 10 to 20 inches to Duripan; 20 to 40 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 25 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 3.5 inches)

Interpretive Groups

Land capability (non irrigated): 6s
Ecological site: SHALLOW LOAMY 8-12 ARTRW8/PSSP (R011AY002ID)

Typical Profile

0 to 2 inches: silt loam
2 to 18 inches: silt loam
18 to 26 inches: cemented material
26 to 36 inches: unweathered bedrock

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

87 Portneuf silt loam, 2 to 4 percent slopes

Setting

Elevation: 2500 to 4700 feet
Mean annual precipitation: 8.to 11 inches
Mean annual air temperature: 45 to 54 degrees F
Frost-free period: 100 to 140 days

Composition

Portneuf and similar soils: 95 percent

Description of Portneuf

Setting

Landform: Lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium and/or loess and/or lacustrine deposits

Properties and Qualities

Slope: 2 to 4 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 30 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 10.0
Available water capacity: High (about 10.9 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 6c

Typical Profile

0 to 5 inches: silt loam
5 to 60 inches: silt loam

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

102 Rad silt loam, 12 to 20 percent slopes

Setting

Elevation: 3000 to 5000 feet
Mean annual precipitation: 8 to 12 inches
Mean annual air temperature: 45 to 52 degrees F
Frost-free period: 110 to 140 days

Composition

Rad and similar soils: 90 percent

Description of Rad

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or loess

Properties and Qualities

Slope: 12 to 20 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 30 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 12.0
Available water capacity: High (about 11.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: LOAMY 8-10 ARTRW8/ACTH7 (R011AY001ID)

Typical Profile

0 to 10 inches: silt loam
10 to 28 inches: silt loam
28 to 44 inches: silt loam
44 to 60 inches: very fine sandy loam

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

123 Sluka silt loam, 1 to 4 percent slopes

Setting

Elevation: 3000 to 4500 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 120 to 140 days

Composition

Sluka and similar soils: 90 percent

Description of Sluka

Setting

Landform: Terraces, lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Properties and Qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 20 to 40 inches to Duripan
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 25 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 3.7 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 6s
Ecological site: LOAMY 8-10 ARTRW8/ACTH7 (R011AY001ID)

Typical Profile

0 to 14 inches: silt loam
14 to 22 inches: silt loam
22 to 39 inches: cemented material
39 to 72 inches: loam

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

124 Sluka silt loam, 4 to 8 percent slopes

Setting

Elevation: 3000 to 4500 feet
Mean annual precipitation: 8 to 10 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 120 to 140 days

Composition

Sluka and similar soils: 90 percent

Description of Sluka

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Properties and Qualities

Slope: 4 to 8 percent
Depth to restrictive feature: 20 to 40 inches to Duripan; 40 to 60 inches to Duripan
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 25 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 3.5 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: LOAMY 8-10 ARTRW8/ACTH7 (R011AY001ID)

Typical Profile

0 to 4 inches: silt loam
4 to 21 inches: silt loam
21 to 37 inches: cemented material
37 to 51 inches: very fine sandy loam
51 to 61 inches: cemented material

Map Unit Description

Jerome County and Part of Twin Falls County, Idaho

132 Taunton sandy loam, 1 to 4 percent slopes

Setting

Elevation: 3000 to 5500 feet
Mean annual precipitation: 8 to 12 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 95 to 140 days

Composition

Taunton and similar soils: 85 percent

Description of Taunton

Setting

Landform: Lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian deposits

Properties and Qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 20 to 40 inches to Duripan
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 30 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Low (about 5.3 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 6e

Typical Profile

0 to 3 inches: sandy loam
3 to 38 inches: fine sandy loam
38 to 52 inches: cemented material

Map Unit Description

Detailed Soil Map Units

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. The contrasting components are mentioned in the map unit descriptions. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description indicates the composition of the map unit and selected properties of the components of the unit.

Soils that have profiles that are almost alike make up a "soil series." Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into "soil phases." Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A "complex" consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An "association" is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An "undifferentiated group" is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include "miscellaneous areas." Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Water Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*	*Ft*				
11:										
Bahem	B	Medium	Jan-Dec	—	—	—	—	None	—	None
12:										
Bahem	B	Medium	Jan-Dec	—	—	—	—	None	—	None
68:										
Minidoka	C	Medium	Jan-Dec	—	—	—	—	None	—	None
71:										
Minveno	D	High	Jan-Dec	—	—	—	—	None	—	None
87:										
Portneuf	B	Low	Jan-Dec	—	—	—	—	None	—	None
102:										
Rad	C	High	Jan-Dec	—	—	—	—	None	—	None
123:										
Sluka	C	Medium	Jan-Dec	—	—	—	—	None	—	None
124:										
Sluka	C	High	Jan-Dec	—	—	—	—	None	—	None
132:										
Taunton	C	Medium	Jan-Dec	—	—	—	—	None	—	None

Water Features

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

"Hydrologic soil groups" are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

"Surface runoff" refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates relative runoff for very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are negligible, very low, low, medium, high, and very high.

The "months" in the table indicate the portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

"Water table" refers to a saturated zone in the soil. The water features table indicates, by month, depth to the top ("upper limit") and base ("lower limit") of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

"Ponding" is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates "surface water depth" and the "duration" and "frequency" of ponding. Duration is expressed as "very brief" if less than 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and "very long" if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. "None" means that ponding is not probable; "rare" that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); "occasional" that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and "frequent" that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

"Flooding" is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

"Duration" and "frequency" are estimated. Duration is expressed as "extremely brief" if 0.1 hour to 4 hours, "very brief" if 4 hours to 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and "very long" if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. "None" means that flooding is not probable; "very rare" that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); "rare" that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); "occasional" that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); "frequent" that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and "very frequent" that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Water Features

Soil Features

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	*In*		*In*	*In*			
11: Bahem	—	—	—	—	0	—	Low	High	Low
12: Bahem	—	—	—	—	0	—	Low	High	Low
68: Minidoka	Duripan	20-40	2-15	Indurated	0	—	Low	High	Low
	Lithic bedrock	40-60	—	Indurated					
71: Minveno	Duripan	10-20	3-18	Indurated	0	—	Low	High	Low
	Lithic bedrock	20-40	—	Indurated					
87: Portneuf	—	—	—	—	0	—	Low	High	Low
102: Rad	—	—	—	—	0	—	Moderate	High	Low
123: Sluka	Duripan	20-40	10-40	Indurated	0	—	Low	High	Low
124: Sluka	Duripan	20-40	10-40	Indurated	0	—	Low	High	Low
	Duripan	40-60	10-40	Indurated					
132: Taunton	Duripan	20-40	4-15	Indurated	0	—	Low	High	Low

This report shows only the major soils in each map unit. Others may exist.

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. "Depth to top" is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

"Subsidence" is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

"Potential for frost action" is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

"Risk of corrosion" pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as "low," "moderate," or "high," is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as "low," "moderate," or "high." It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Physical Soil Properties

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
11:														
Bahem	0-9	—	—	10-18	1.40-1.50	4.00-14.11	0.16-0.18	0.0-2.9	1.0-3.0	.43	.43	5	4L	86
	9-70	—	—	10-18	1.45-1.60	4.00-14.11	0.15-0.17	0.0-2.9	0.0-0.5	.49	.49			
12:														
Bahem	0-10	—	—	10-18	1.40-1.50	4.00-14.11	0.16-0.18	0.0-2.9	1.0-3.0	.43	.43	5	4L	86
	10-28	—	—	10-18	1.45-1.60	4.00-14.11	0.15-0.17	0.0-2.9	0.0-0.5	.49	.49			
	28-60	—	—	0-10	1.50-1.60	4.00-14.11	0.14-0.16	0.0-2.9	0.0-0.5	.32	.32			
68:														
Minidoka	0-6	—	—	12-18	1.50-1.60	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.49	.49	2	4L	86
	6-26	—	—	12-18	1.50-1.60	4.00-14.11	0.19-0.21	0.0-2.9	0.5-1.0	.55	.55			
	26-40	—	—	—	—	0.01-0.42	0.09	—	—	—	—			
	40-59	—	—	—	—	—	—	—	—	—	—			
71:														
Minveno	0-2	—	—	10-15	1.20-1.40	4.00-14.11	0.13-0.15	0.0-2.9	0.8-2.0	.24	.37	1	6	48
	2-18	—	—	10-15	1.20-1.40	4.00-14.11	0.19-0.21	0.0-2.9	0.5-1.0	.43	.43			
	18-26	—	—	—	—	0.01-0.42	0.09	—	—	—	—			
	26-36	—	—	—	—	—	—	—	—	—	—			
87:														
Portneuf	0-5	—	—	12-22	1.20-1.40	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.49	.49	5	4L	86
	5-60	—	—	6-13	1.25-1.50	1.41-4.23	0.17-0.19	0.0-2.9	0.5-1.0	.49	.49			

Physical Soil Properties

Jerome County and Part of Twin Falls County, Idaho

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
102:														
Rad	0-10	—	—	6-15	1.25-1.45	4.00-14.11	0.19-0.21	0.0-2.9	1.0-2.0	.55	.55	5	.5	56
	10-28	—	—	12-16	1.30-1.50	4.00-14.11	0.17-0.21	0.0-2.9	0.7-2.0	.55	.55			
	28-44	—	—	6-15	1.30-1.50	0.42-1.41	0.16-0.21	0.0-2.9	0.5-1.0	.64	.64			
	44-60	—	—	10-15	1.50-1.65	4.00-14.11	0.17-0.21	0.0-2.9	0.0-0.5	.55	.55			
123:														
Siuka	0-14	—	—	8-12	1.50-1.60	4.00-14.11	0.14-0.20	0.0-2.9	1.0-2.0	.49	.55	3	4L	86
	14-22	—	—	12-18	1.25-1.50	4.00-14.11	0.16-0.20	0.0-2.9	0.5-1.0	.49	.49			
	22-39	—	—	—	—	0.01-0.42	0.00	—	—	—	—			
	39-72	—	—	5-10	1.45-1.60	4.00-14.11	—	0.0-2.9	0.0-0.5	.49	.49			
124:														
Siuka	0-4	—	—	8-12	1.50-1.60	4.00-14.11	0.14-0.20	0.0-2.9	1.0-2.0	.49	.55	3	4L	86
	4-21	—	—	12-18	1.25-1.50	4.00-14.11	0.16-0.20	0.0-2.9	0.5-1.0	.49	.49			
	21-37	—	—	—	—	0.01-0.42	0.00	—	—	—	—			
	37-51	—	—	5-10	1.45-1.60	4.00-14.11	—	0.0-2.9	0.0-0.5	.49	.49			
	51-61	—	—	—	—	0.01-0.42	0.00	—	—	—	—			
132:														
Taunton	0-3	—	—	7-18	1.20-1.40	14.11-42.34	0.10-0.13	0.0-2.9	1.0-2.0	.20	.20	2	3	86
	3-38	—	—	7-18	1.25-1.45	4.00-42.34	0.09-0.18	0.0-2.9	0.5-1.0	.37	.55			
	38-52	—	—	—	—	0.01-0.42	0.00	—	—	—	—			

Physical Soil Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

"Depth" to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

"Sand" as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

"Silt" as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

"Clay" as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

"Moist bulk density" is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

"Saturated hydraulic conductivity (Ksat)" refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

"Available water capacity" refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

"Linear extensibility" refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

"Organic matter" is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Physical Soil Properties

"Erosion factors" are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

"Erosion factor Kw" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

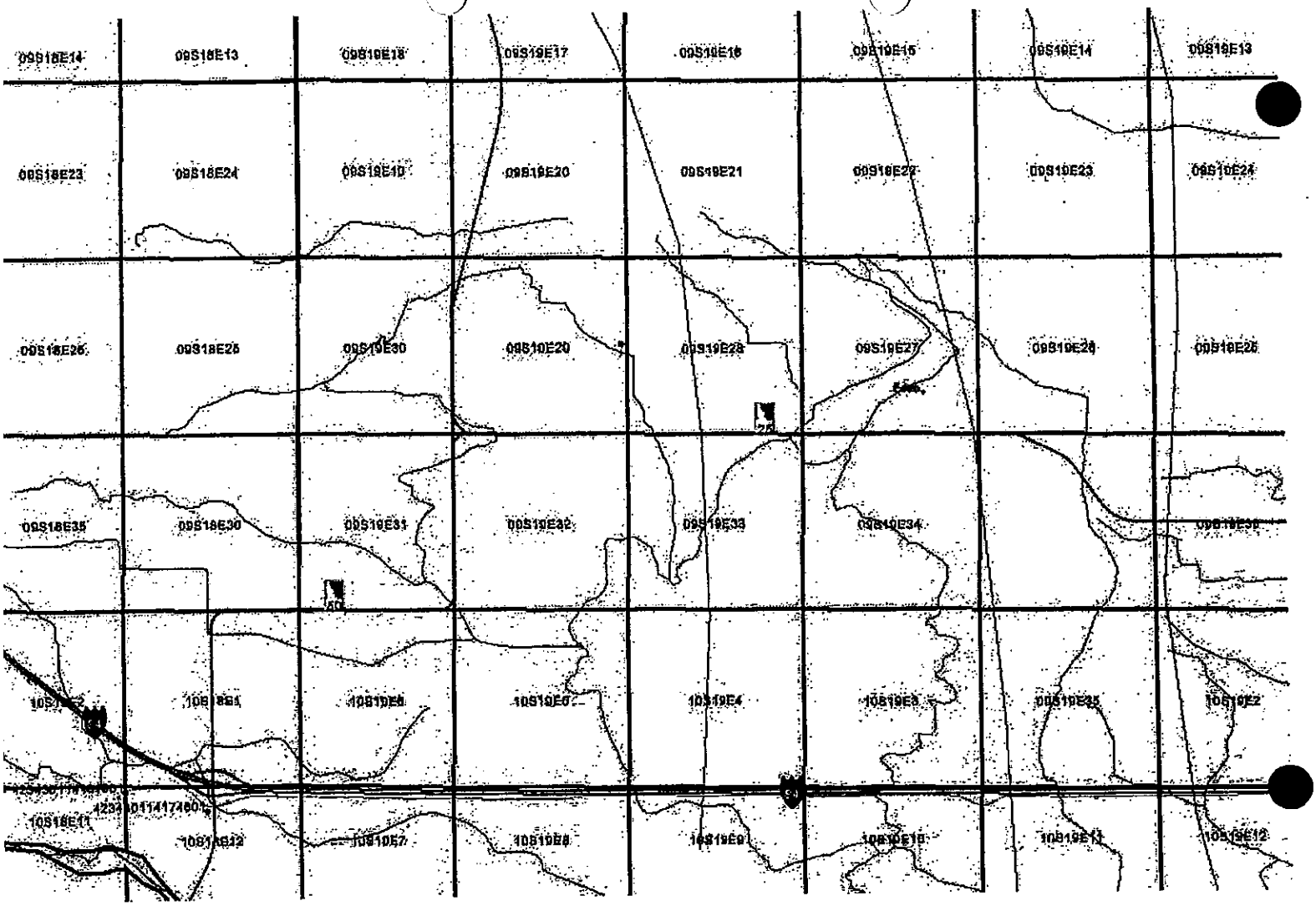
"Erosion factor Kf" indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

"Erosion factor T" is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

"Wind erodibility groups" are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

"Wind erodibility index" is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://www.soils.usda.gov)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10S19E5
10S19E4
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10S18E12
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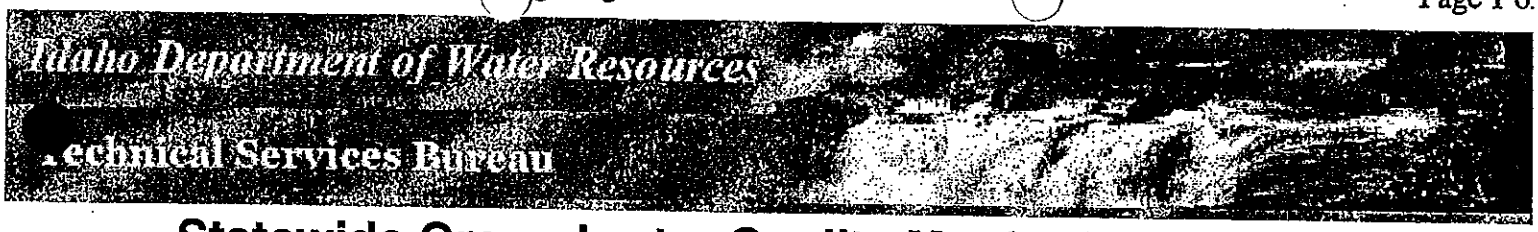
10S19E8
10S19E9
10S19E10
10S19E11
10S19E12



Statewide Groundwater Quality Monitoring Program

Station: 10S 18E 12BAD1 **Site ID:** 423430114174601

Well Characteristics

Legal: 10S 18E 12 SE NE NW
Latitude: 42° 34' 28" N
Longitude: 114° 17' 50" W
County: Jerome
Quad map: KIMBERLY
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3940 ft.
Well Depth: 420 ft.
Depth to Water: 256 ft.
Casing Depth: 64 ft.
Depth to Aquifer: 259 ft.
Water Use: Commercial

Current Sampling Frequency: **Once Every 5 Years**

Sample years: 1993, 1997, and 2001.
The query returned 284 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
08/03/1993	Inorg & Field	Alkalinity	219	219	mg/L
08/03/1993	Inorg & Field	Ammonia	0.020	0.02	mg/L
08/03/1993	Inorg & Field	Bicarbonate	267	267	mg/L
08/03/1993	Inorg & Field	Calcium	48	48	mg/L
08/03/1993	Inorg & Field	Carbonate	0	0	mg/L
08/03/1993	Inorg & Field	Chloride	39	39	mg/L
08/03/1993	Inorg & Field	Cyanide	<0.01	BRL	mg/L
08/03/1993	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
08/03/1993	Inorg & Field	Fluoride	0.40	0.4	mg/L
08/03/1993	Inorg & Field	Hardness	210	210	mg/L
08/03/1993	Inorg & Field	Magnesium	22	22	mg/L
08/03/1993	Inorg & Field	Nitrate	4.40	4.4	mg/L
08/03/1993	Inorg & Field	Nitrite	<0.010	BRL	mg/L
08/03/1993	Inorg & Field	pH	8.0	8	pH
08/03/1993	Inorg & Field	Phosphorus	0.010	0.01	mg/L
08/03/1993	Inorg & Field	Potassium	6.8	6.8	mg/L
08/03/1993	Inorg & Field	Silica	45	45	mg/L
08/03/1993	Inorg & Field	Sodium	66	66	mg/L
08/03/1993	Inorg & Field	Solids	458	458	mg/L
08/03/1993	Inorg & Field	Specific Conductance	733	733	uS/cm
08/03/1993	Inorg & Field	Sulfate	80	80	mg/L
08/03/1993	Inorg & Field	Water Temperature	16.8	16.8	°C
08/03/1993	Pesticides (Immu)	2,4-D	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Carbofuran	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Cyanazine	BRL	BRL	ug/L
08/03/1993	Pesticides (Immu)	Metolachlor	BRL	BRL	ug/L
08/03/1993	Radiochem	Alpha, Gross (as Americium)	6.5 ± 3.3	6.5	pCi/l
08/03/1993	Radiochem	Beta, Gross	7.1 ± 2.2	7.1	pCi/l
08/03/1993	VOCs	Benzene	<0.5	BRL	ug/L
08/03/1993	VOCs	Bromobenzene	<0.5	BRL	ug/L
08/03/1993	VOCs	Bromochloromethane	<0.5	BRL	ug/L
08/03/1993	VOCs	Bromoform	<0.5	BRL	ug/L
08/03/1993	VOCs	Bromomethane	<0.5	BRL	ug/L
08/03/1993	VOCs	Butylbenzene, n-	<0.5	BRL	ug/L

08/03/1993	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
08/03/1993	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
08/03/1993	VOCs	Chlorobenzene	<0.5	BRL ug/L
08/03/1993	VOCs	Chloroethane	<0.5	BRL ug/L
08/03/1993	VOCs	Chloroform	<0.5	BRL ug/L
08/03/1993	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
08/03/1993	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
08/03/1993	VOCs	Dibromochloromethane	<0.5	BRL ug/L
08/03/1993	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
08/03/1993	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
08/03/1993	VOCs	Dibromomethane	<0.5	BRL ug/L
08/03/1993	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
08/03/1993	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
08/03/1993	VOCs	Dichloropropene,1,3 trans-	<0.5	BRL ug/L
08/03/1993	VOCs	Ethylbenzene	<0.5	BRL ug/L
08/03/1993	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
08/03/1993	VOCs	Isodurene	<0.5	BRL ug/L
08/03/1993	VOCs	Isopropylbenzene	<0.5	BRL ug/L
08/03/1993	VOCs	Methylene chloride	<0.5	BRL ug/L
08/03/1993	VOCs	Naphthalene	<0.5	BRL ug/L
08/03/1993	VOCs	Paraldehyde	<0.5	BRL ug/L
08/03/1993	VOCs	Styrene	<0.5	BRL ug/L
08/03/1993	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
08/03/1993	VOCs	Tetralin	<0.5	BRL ug/L
08/03/1993	VOCs	Toluene	<0.5	BRL ug/L
08/03/1993	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
08/03/1993	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
08/03/1993	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
08/03/1993	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
08/03/1993	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
08/03/1993	VOCs	Trichloroethylene	<0.5	BRL ug/L
08/03/1993	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
08/03/1993	VOCs	Trichloropropane	<0.5	BRL ug/L
08/03/1993	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
08/03/1993	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
08/03/1993	VOCs	Vinyl chloride	<0.5	BRL ug/L
08/03/1993	VOCs	Xylenes	<0.5	BRL ug/L
08/25/1997	Inorg & Field	Air Temperature	29	29 °C
08/25/1997	Inorg & Field	Alkalinity	234	234 mg/L
08/25/1997	Inorg & Field	Ammonia	<0.015	BRL mg/L
08/25/1997	Inorg & Field	Arsenic	9	9 ug/L
08/25/1997	Inorg & Field	Bicarbonate	290	290 mg/L
08/25/1997	Inorg & Field	Cadmium	<1.0	BRL ug/L
08/25/1997	Inorg & Field	Calcium	44	44 mg/L
08/25/1997	Inorg & Field	Carbonate	0	0 mg/L
08/25/1997	Inorg & Field	Chloride	42	42 mg/L
08/25/1997	Inorg & Field	Chromium	1.1	1.1 ug/L
08/25/1997	Inorg & Field	Copper	12	12 ug/L
08/25/1997	Inorg & Field	Depth to Water	263.41	263.41 ft
08/25/1997	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml

08/25/1997	Inorg & Field	Fluoride	0.46	0.46 mg/L
08/25/1997	Inorg & Field	Hardness	200	200 mg/L
08/25/1997	Inorg & Field	Iron	<3.0	BRL ug/L
08/25/1997	Inorg & Field	Lead	<1.0	BRL ug/L
08/25/1997	Inorg & Field	Magnesium	23	23 mg/L
08/25/1997	Inorg & Field	Manganese	<1.0	BRL ug/L
08/25/1997	Inorg & Field	Nitrate	5.55	5.55 mg/L
08/25/1997	Inorg & Field	Nitrite	<0.010	BRL mg/L
08/25/1997	Inorg & Field	pH	7.8	7.8 pH
08/25/1997	Inorg & Field	Phosphorus	0.020	0.02 mg/L
08/25/1997	Inorg & Field	Potassium	6.8	6.8 mg/L
08/25/1997	Inorg & Field	Selenium	2	2 ug/L
08/25/1997	Inorg & Field	Silica	47	47 mg/L
08/25/1997	Inorg & Field	Sodium	88.1	88.1 mg/L
08/25/1997	Inorg & Field	Solids	496	496 mg/L
08/25/1997	Inorg & Field	Specific Conductance	806	806 uS/cm
08/25/1997	Inorg & Field	Sulfate	80	80 mg/L
08/25/1997	Inorg & Field	Water Temperature	17.2	17.2 °C
08/25/1997	Inorg & Field	Zinc	28.1	28.1 ug/L
08/25/1997	Pesticides (Immu)	2,4-D	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Aldicarb	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Cyanazine	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Metribuzin	BRL	BRL ug/L
08/25/1997	Pesticides (Immu)	Simazine	BRL	BRL ug/L
08/25/1997	Radiochem	Alpha, Gross (as Thorium)	11.7 ± 6.2	11.7 pCi/l
08/25/1997	Radiochem	Beta, Gross	13.9 ± 3.4	13.879 pCi/l
08/25/1997	VOCs	Benzene	<0.5	BRL ug/L
08/25/1997	VOCs	Bromobenzene	<0.5	BRL ug/L
08/25/1997	VOCs	Bromochloromethane	<0.5	BRL ug/L
08/25/1997	VOCs	Bromoform	<0.5	BRL ug/L
08/25/1997	VOCs	Bromomethane	<0.5	BRL ug/L
08/25/1997	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
08/25/1997	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
08/25/1997	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
08/25/1997	VOCs	Chlorobenzene	<0.5	BRL ug/L
08/25/1997	VOCs	Chloroethane	<0.5	BRL ug/L
08/25/1997	VOCs	Chloroform	<0.5	BRL ug/L
08/25/1997	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
08/25/1997	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
08/25/1997	VOCs	Dibromochloromethane	<0.5	BRL ug/L
08/25/1997	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
08/25/1997	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
08/25/1997	VOCs	Dibromomethane	<0.5	BRL ug/L
08/25/1997	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
08/25/1997	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
08/25/1997	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
08/25/1997	VOCs	Ethylbenzene	<0.5	BRL ug/L
08/25/1997	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
08/25/1997	VOCs	Isodurene	<0.5	BRL ug/L

08/25/1997	VOCs	Isopropylbenzene	<0.5	BRL ug/L
08/25/1997	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
08/25/1997	VOCs	Methylene chloride	<0.5	BRL ug/L
08/25/1997	VOCs	Naphthalene	<0.5	BRL ug/L
08/25/1997	VOCs	Paraldehyde	<0.5	BRL ug/L
08/25/1997	VOCs	Styrene	<0.5	BRL ug/L
08/25/1997	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
08/25/1997	VOCs	Tetralin	<0.5	BRL ug/L
08/25/1997	VOCs	Toluene	<0.5	BRL ug/L
08/25/1997	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
08/25/1997	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
08/25/1997	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
08/25/1997	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
08/25/1997	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
08/25/1997	VOCs	Trichloroethylene	<0.5	BRL ug/L
08/25/1997	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
08/25/1997	VOCs	Trichloropropane	<0.5	BRL ug/L
08/25/1997	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
08/25/1997	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
08/25/1997	VOCs	Vinyl chloride	<0.5	BRL ug/L
08/25/1997	VOCs	Xylenes	<0.5	BRL ug/L
07/10/2001	Inorg & Field	Air Temperature	27	27 °C
07/10/2001	Inorg & Field	Alkalinity	228	228 mg/L
07/10/2001	Inorg & Field	Ammonia	<0.04	BRL mg/L
07/10/2001	Inorg & Field	Arsenic	9.3	9.3 ug/L
07/10/2001	Inorg & Field	Barium	55.2	55.2 ug/L
07/10/2001	Inorg & Field	Bicarbonate	280	280 mg/L
07/10/2001	Inorg & Field	Cadmium	0.05	0.05 ug/L
07/10/2001	Inorg & Field	Calcium	44.2	44.2 mg/L
07/10/2001	Inorg & Field	Carbonate	0	0 mg/L
07/10/2001	Inorg & Field	Chloride	38.5	38.5 mg/L
07/10/2001	Inorg & Field	Dissolved Oxygen	6	6 mg/L
07/10/2001	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml
07/10/2001	Inorg & Field	Fluoride	0.5	0.5 mg/L
07/10/2001	Inorg & Field	Hardness	200	200 mg/L
07/10/2001	Inorg & Field	Iron	<10	BRL ug/L
07/10/2001	Inorg & Field	Magnesium	22.3	22.3 mg/L
07/10/2001	Inorg & Field	Manganese	<3	BRL ug/L
07/10/2001	Inorg & Field	Nitrate	5.02	5.02 mg/L
07/10/2001	Inorg & Field	Nitrite	E0.003	0.003 mg/L
07/10/2001	Inorg & Field	pH	7.9	7.9 pH
07/10/2001	Inorg & Field	Phosphorus	E0.009	0.009 mg/L
07/10/2001	Inorg & Field	Potassium	7.25	7.25 mg/L
07/10/2001	Inorg & Field	Selenium	2.2	2.2 ug/L
07/10/2001	Inorg & Field	Silica	50.1	50.1 mg/L
07/10/2001	Inorg & Field	Sodium	81.7	81.7 mg/L
07/10/2001	Inorg & Field	Solids	478	478 mg/l
07/10/2001	Inorg & Field	Specific Conductance	771	771 uS/cm
07/10/2001	Inorg & Field	Sulfate	74.7	74.7 mg/L
07/10/2001	Inorg & Field	Water Temperature	16.7	16.7 °C
07/10/2001	N Isotope	15N Enrichment	11.66	11.66 ‰
07/10/2001	Pesticides (Immu)	Acetochlor	BRL	BRL ug/L
07/10/2001	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
07/10/2001	Pesticides (Immu)	Aldicarb	BRL	BRL ug/L
07/10/2001	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
07/10/2001	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
07/10/2001	Pesticides (Immu)	Metribuzin	BRL	BRL ug/L
07/10/2001	VOCs	Benzene	<0.5	BRL ug/L
07/10/2001	VOCs	Bromobenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Bromochloromethane	<0.5	BRL ug/L
07/10/2001	VOCs	Bromoform	<0.5	BRL ug/L
07/10/2001	VOCs	Bromomethane	<0.5	BRL ug/L
07/10/2001	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L

07/10/2001	VOCs	Chlorobenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Chloroethane	<0.5	BRL ug/L
07/10/2001	VOCs	Chloroform	<0.5	BRL ug/L
07/10/2001	VOCs	Chloromethane	<0.5	BRL ug/L
07/10/2001	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
07/10/2001	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
07/10/2001	VOCs	Dibromochloromethane	<0.5	BRL ug/L
07/10/2001	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
07/10/2001	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
07/10/2001	VOCs	Dibromomethane	<0.5	BRL ug/L
07/10/2001	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
07/10/2001	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
07/10/2001	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
07/10/2001	VOCs	Ethylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
07/10/2001	VOCs	Isopropylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
07/10/2001	VOCs	Methylene chloride	<0.5	BRL ug/L
07/10/2001	VOCs	Naphthalene	<0.5	BRL ug/L
07/10/2001	VOCs	n-Butylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	n-Propylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Styrene	<0.5	BRL ug/L
07/10/2001	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
07/10/2001	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
07/10/2001	VOCs	Toluene	0.58	0.58 ug/L
07/10/2001	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
07/10/2001	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
07/10/2001	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
07/10/2001	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
07/10/2001	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
07/10/2001	VOCs	Trichloroethylene	<0.5	BRL ug/L
07/10/2001	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
07/10/2001	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
07/10/2001	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
07/10/2001	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
07/10/2001	VOCs	Vinyl chloride	<0.5	BRL ug/L
07/10/2001	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

<	below the laboratory reporting limit
BRL	below the laboratory reporting limit
ND	not detected
E	estimated
IN	indeterminate

Hardness Scale:

<75 mg/l	soft
75-150 mg/l	moderately hard
151-300 mg/l	hard
>300 mg/l	very hard

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

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Idaho Department of Water Resources

322. E. Front Street
Boise, Idaho 83720-0098

Telephone: (208) 287-4800
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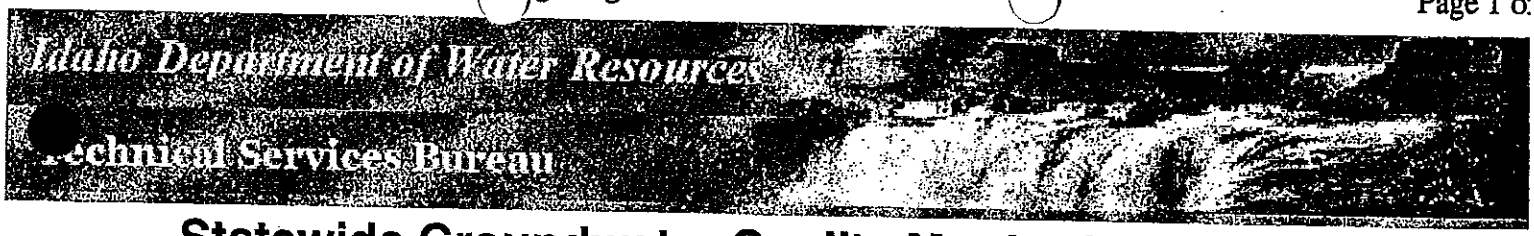

Statewide Groundwater Quality Monitoring Program

Station: 09S 19E 29ADD1 **Site ID:** 423648114145802
Metal Tag #: A0011034

Well Characteristics

Legal: 09S 19E 29 SE SE NE
Latitude: 42° 36' 47" N
Longitude: 114° 15' 1" W
County: Jerome
Quad map: EDEN
Primary aquifer: SNAKE RIVER GROUP

Altitude: 3927 ft.
Well Depth: 280 ft.
Depth to Water: ft.
Casing Depth: ft.
Depth to Aquifer: 225 ft.
Water Use: Domestic

Current Sampling Frequency: **Once Every 5 Years**

This well was sampled only in 2002.
The query returned 168 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
09/20/2002	Hormones (Immu)	Estradiol	BRL	BRL	ug/L
09/20/2002	Inorg & Field	Air Temperature	20	20	°C
09/20/2002	Inorg & Field	Alkalinity	193	193	mg/L
09/20/2002	Inorg & Field	Ammonia	<0.04	BRL	mg/L
09/20/2002	Inorg & Field	Arsenic	3.2	3.2	ug/L
09/20/2002	Inorg & Field	Barium	80.5	80.5	ug/L
09/20/2002	Inorg & Field	Bicarbonate	235	235	mg/L
09/20/2002	Inorg & Field	Cadmium	0.05	0.05	ug/L
09/20/2002	Inorg & Field	Calcium	57.7	57.7	mg/L
09/20/2002	Inorg & Field	Carbonate	0	0	mg/L
09/20/2002	Inorg & Field	Chloride	45	45	mg/L
09/20/2002	Inorg & Field	Copper	1.4	1.4	ug/l
09/20/2002	Inorg & Field	Dissolved Oxygen	7.1	7.1	mg/L
09/20/2002	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
09/20/2002	Inorg & Field	Fluoride	0.4	0.4	mg/L
09/20/2002	Inorg & Field	Hardness	230	230	mg/L
09/20/2002	Inorg & Field	Iron	<10	BRL	ug/L
09/20/2002	Inorg & Field	Lead	0.53	0.53	ug/l
09/20/2002	Inorg & Field	Magnesium	21.6	21.6	mg/L
09/20/2002	Inorg & Field	Manganese	E1.5	1.5	ug/L
09/20/2002	Inorg & Field	Nitrate	3.18	3.18	mg/L
09/20/2002	Inorg & Field	Nitrite	<0.008	BRL	mg/L
09/20/2002	Inorg & Field	pH	7.6	7.6	ph
09/20/2002	Inorg & Field	Phosphorus	E0.01	0.01	mg/L
09/20/2002	Inorg & Field	Potassium	6.64	6.64	mg/L
09/20/2002	Inorg & Field	Selenium	0.9	0.9	ug/L
09/20/2002	Inorg & Field	Silica	41.2	41.2	mg/L
09/20/2002	Inorg & Field	Sodium	43.5	43.5	mg/L
09/20/2002	Inorg & Field	Solids	412	412	mg/l
09/20/2002	Inorg & Field	Specific Conductance	664	664	uS/cm
09/20/2002	Inorg & Field	Sulfate	62.5	62.5	mg/L
09/20/2002	Inorg & Field	Water Temperature	16.2	16.2	°C
09/20/2002	Inorg & Field	Zinc	128	128	ug/l
09/20/2002	Pesticides	2,4,5-T	BRL	BRL	ug/l
09/20/2002	Pesticides	2,4,5-TP (Silvex)	BRL	BRL	ug/l

09/20/2002	Pesticides	2,4-D	BRL	BRL ug/l
09/20/2002	Pesticides	2,4-DB	BRL	BRL ug/l
09/20/2002	Pesticides	Acifluorfen	BRL	BRL ug/l
09/20/2002	Pesticides	Alachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Aldrin	BRL	BRL ug/l
09/20/2002	Pesticides	Atrazine	BRL	BRL ug/l
09/20/2002	Pesticides	Bentazon	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, alpha-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, beta-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, delta-	BRL	BRL ug/l
09/20/2002	Pesticides	BHC, gamma- (Lindane)	BRL	BRL ug/l
09/20/2002	Pesticides	Bromacil	BRL	BRL ug/l
09/20/2002	Pesticides	Butachlor (Machette)	BRL	BRL ug/l
09/20/2002	Pesticides	Butylate	BRL	BRL ug/l
09/20/2002	Pesticides	Chloramben	BRL	BRL ug/l
09/20/2002	Pesticides	Chlordane, alpha-	BRL	BRL ug/l
09/20/2002	Pesticides	Chlordane, gamma-	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorobenzilate	BRL	BRL ug/l
09/20/2002	Pesticides	Chloroneb	BRL	BRL ug/l
09/20/2002	Pesticides	Chloropyrifos	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorothalonil	BRL	BRL ug/l
09/20/2002	Pesticides	Chlorpropham	BRL	BRL ug/l
09/20/2002	Pesticides	Cyanazine	BRL	BRL ug/l
09/20/2002	Pesticides	Dacthal (DCPA)	BRL	BRL ug/l
09/20/2002	Pesticides	Dacthal (DCPA)	BRL	BRL ug/l
09/20/2002	Pesticides	Dalapon	BRL	BRL ug/l
09/20/2002	Pesticides	DDD,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	DDE,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	DDT,4,4'-	BRL	BRL ug/l
09/20/2002	Pesticides	Diazinon	BRL	BRL ug/l
09/20/2002	Pesticides	Dicamba	BRL	BRL ug/l
09/20/2002	Pesticides	Diclorprop	BRL	BRL ug/l
09/20/2002	Pesticides	Dieldrin	BRL	BRL ug/l
09/20/2002	Pesticides	Dinoseb	BRL	BRL ug/l
09/20/2002	Pesticides	Diphenamid	BRL	BRL ug/l
09/20/2002	Pesticides	Dipropylthiocarbamate, S-Ethyl (EPTC)	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan I	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan II	BRL	BRL ug/l
09/20/2002	Pesticides	Endosulfan Sulfate	BRL	BRL ug/l
09/20/2002	Pesticides	Endrin	BRL	BRL ug/l
09/20/2002	Pesticides	Endrin Aldehyde	BRL	BRL ug/l
09/20/2002	Pesticides	Ethoprop	BRL	BRL ug/l
09/20/2002	Pesticides	Etridiazole	BRL	BRL ug/l
09/20/2002	Pesticides	Heptachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Heptachlor Epoxide	BRL	BRL ug/l
09/20/2002	Pesticides	Hexachlorobenzene	BRL	BRL ug/l
09/20/2002	Pesticides	Methoxychlor	BRL	BRL ug/l
09/20/2002	Pesticides	Metolachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Metribuzin	BRL	BRL ug/l
09/20/2002	Pesticides	Mevinphos	BRL	BRL ug/l
09/20/2002	Pesticides	MGK 264	BRL	BRL ug/l
09/20/2002	Pesticides	Molinate	BRL	BRL ug/l
09/20/2002	Pesticides	Nonachlor, -trans	BRL	BRL ug/l
09/20/2002	Pesticides	Norflurazon	BRL	BRL ug/l
09/20/2002	Pesticides	Pentachlorophenol (PCP)	BRL	BRL ug/l
09/20/2002	Pesticides	Pentachlorophenol (PCP)	BRL	BRL ug/l
09/20/2002	Pesticides	Permethrins	BRL	BRL ug/l
09/20/2002	Pesticides	Picloram	BRL	BRL ug/l
09/20/2002	Pesticides	Prometryn	BRL	BRL ug/l
09/20/2002	Pesticides	Pronamide	BRL	BRL ug/l
09/20/2002	Pesticides	Propachlor	BRL	BRL ug/l
09/20/2002	Pesticides	Propazine	BRL	BRL ug/l
09/20/2002	Pesticides	Simazine	BRL	BRL ug/l
09/20/2002	Pesticides	Stirophos	BRL	BRL ug/l
09/20/2002	Pesticides	Terbufos	BRL	BRL ug/l

09/20/2002	Pesticides	Terbutryn	BRL	BRL ug/l
09/20/2002	Pesticides	Triadimefon	BRL	BRL ug/l
09/20/2002	Pesticides	Tricyclazole	BRL	BRL ug/l
09/20/2002	Pesticides	Trifluralin	BRL	BRL ug/l
09/20/2002	Pesticides	Vernolate	BRL	BRL ug/l
09/20/2002	Pesticides (Immu)	Acetochlor	BRL	BRL ug/L
09/20/2002	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
09/20/2002	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
09/20/2002	Radiochem	Alpha, Gross (as Thorium)	12.6 ± 3.8	12.6 pCi/l
09/20/2002	Radiochem	Beta, Gross	14.9 ± 2.7	14.9 pCi/l
09/20/2002	VOCs	Benzene	<0.5	BRL ug/L
09/20/2002	VOCs	Bromobenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Bromochloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Bromoform	<0.5	BRL ug/L
09/20/2002	VOCs	Bromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorobenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Chloroethane	<0.5	BRL ug/L
09/20/2002	VOCs	Chloroform	<0.5	BRL ug/L
09/20/2002	VOCs	Chloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
09/20/2002	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromochloromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
09/20/2002	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
09/20/2002	VOCs	Dibromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Ethylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
09/20/2002	VOCs	Isopropylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
09/20/2002	VOCs	Methylene chloride	<0.5	BRL ug/L
09/20/2002	VOCs	Naphthalene	<0.5	BRL ug/L
09/20/2002	VOCs	n-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	n-Propylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Styrene	<0.5	BRL ug/L
09/20/2002	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
09/20/2002	VOCs	Toluene	<0.5	BRL ug/L
09/20/2002	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloroethylene	<0.5	BRL ug/L
09/20/2002	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
09/20/2002	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
09/20/2002	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L

09/20/2002	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
09/20/2002	VOCs	Vinyl chloride	<0.5	BRL ug/L
09/20/2002	VOCs	Xylenes	<0.5	BRL ug/L

Legend

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Miscellaneous:

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Idaho Department of Water Resources

322. E. Front Street
Boise, Idaho 83720-0098

Telephone: (208) 287-4800
FAX: (208) 287-6700

App 87744 Permit 80384 ID 34740

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

WELL TAG NO. D 0016765
LLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Fred Stewart
Address 277 A S. Eden Rd.
City Eden State ID. Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 34 NE 1/4 SE 1/4 SE 1/4
Gov't Lot ____ County Jerome
Lat: 42 : 40 : 53 Long: 114 : 12 : 39
Address of Well Site
1600 E 275 S. City ~~Jerome~~ EDEN
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☐ Other ____

DRILL METHOD:
☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
183 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☒ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20 gpm	0	183	1 hr.

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
4"	190	195	Fractured Basalt	X	
	195	205	Hard grey basalt		X
	205	220	Cinders	X	
	220	230	Hard grey basalt		X
	230	233	Red Sand & Cinders	X	

SCANNED
SCANNED SEP 26 2005
JUL 30 2003
RECEIVED
JUL 28 2003
RECEIVED Department of Water Resources Southern Region
AUG 12 2003
Department of Water Resources

Completed Depth 233' (Measurable)
Date: Started 6/16/03 Completed 6/23/03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Kodiak Drilling Co. Firm No. 531
Principal Driller ____ Date 7/23/03
and
Driller or Operator II ____ Date ____
Operator I ____ Date ____
Principal Driller and Rig Operator required.
Operator I must have signature of Driller/Operator II.

S 025918

Name Bruce Lohnes

Address 808 S 1400 E Eden, UT 83325

Drilling Permit No. 36-93-S-0096-000

Water Right Permit No. _____

Static water level 292 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6-5/8 inches	+ 2 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

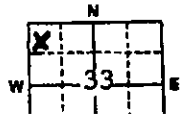
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 18' Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port Well Cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____

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AUG 09 1993

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

104019

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	3	Topsoil		x
	3	6	Caliche		x
	6	18	Basalt		x
6"	18	34	Basalt		x
	34	37	Cinders & clay		x
	37	40	Basalt		x
	40	42	Broken basalt, no circulation		
	42	62	Basalt		x
	62	65	Broken basalt		x
	65	84	Basalt		x
	84	89	Cinders		x
	89	100	Basalt		x
	100	112	Cinders		
	112	164	Basalt		x
	164	168	Cinders		x
	168	185	Basalt		x
	185	190	Cinders		x
	190	209	Basalt		x
	209	215	Cinders & clay		x
	215	228	Basalt		x
	228	234	Cinders		x
	234	245	Basalt		x
	245	257	Cinders & clay		x
	257	270	Basalt		x
	270	283	Cinders		x
	283	290	Basalt		x
	290	298	Broken basalt		x
	298	310	Basalt		x
	310	318	Cinders	x	
	318	335	Cinders	x	
	335	340	Basalt		x

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APR 06 1993
Department of Water Resources
Southern Region Office

10.

Work started 4-1-93 finished 4-1-93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling Firm No. 31
Address P.O. Box 919 Date 4-5-93

Form 238-7 APP 888177

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Offical Use Only
Inspected by ____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D - D0036500
DRILLING PERMIT NO. 832870
Other IDWR No. ____

2. OWNER
Name Earnest & Pearl K. Bengoechea
Address 2023 Hwy 25
City Eden State Id Zip 83325

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 9 ☐ North or ☑ South
Rge. 19 ☑ East or ☐ West
Sec. 33 ____ 1/4 NW 1/4 NW 1/4
Gov't Lot ____ County Jerome
Dec. mn. ~~Lat~~ N42.: 36,24 ~~Long~~ W114,905
Address of Well Site same
City ____
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (replacement ect.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
na				

CA

Was drive shoe used? ☐ Y ☐ N Shoe depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
na					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
Perforations Methods ____
Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
na						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
300 ft below ground Artesian pressure ____
depth flow encountered ____ ft. Describe access port
or control devices through sanitary seal

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. ____
Water Quality test or comments: good
Depth first water encounter 300

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	300	312	Firm Basalt	y	
	312	316	Soft red-brown Basalt	y	
	316	345	Hard Brown Basalt	y	
	345	385	Brown Basalt	y	

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MAY 26 2005
Department of Water Resources
Southern Region

Completed depth 385 ft. (measurable)
Date: Started April 27, 2005 Completed May 5, 2005

13. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Weech Well Drilling Firm No. 210
Firm Offical [signature] Date 5-5-05
and
Driller or Operator [signature] Date 5-22-05
(Sign once if Firm Offical & Operator)

Name Emil Pieters

Address Rt 4 Jerome, Idaho

Owner's Permit No. _____

Static water level 188 feet below land surface.

Flowing? ☐ Yes ☑ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal

☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary

☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☑ No

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ____ Slot size ____ Set from _____ feet to _____ feet

Diameter ____ Slot size ____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☑ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal: ☑ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☑ Overbore to seal depth

Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port well seal has port

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

Subdivision Name _____

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
15	188	1

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	3	Brown sandy clay		X
	3	16	Grey basalt		
	16	23	Scoria		
	23	33	Grey basalt		
	33	37	Red cinders		
	37	42	Grey basalt		
	42	49	Grey basalt brkn.		
	49	54	Grey scoria		
	54	60	Grey basalt		
	60	67	Grey brown basalt		
	67	104	Brown basalt		
	104	130	Reddish brn basalt		
	130	134	Orange clay sandy		
	134	154	Red scoria		
	154	160	Grey brn basalt		
	160	167	Brown scoria		
	167	180	Brown basalt		
	180	214	Brn clay + basalt in thin layers		X
	214	230	Grey basalt	X	
	230	240	Brown basalt clay filled		X

WB

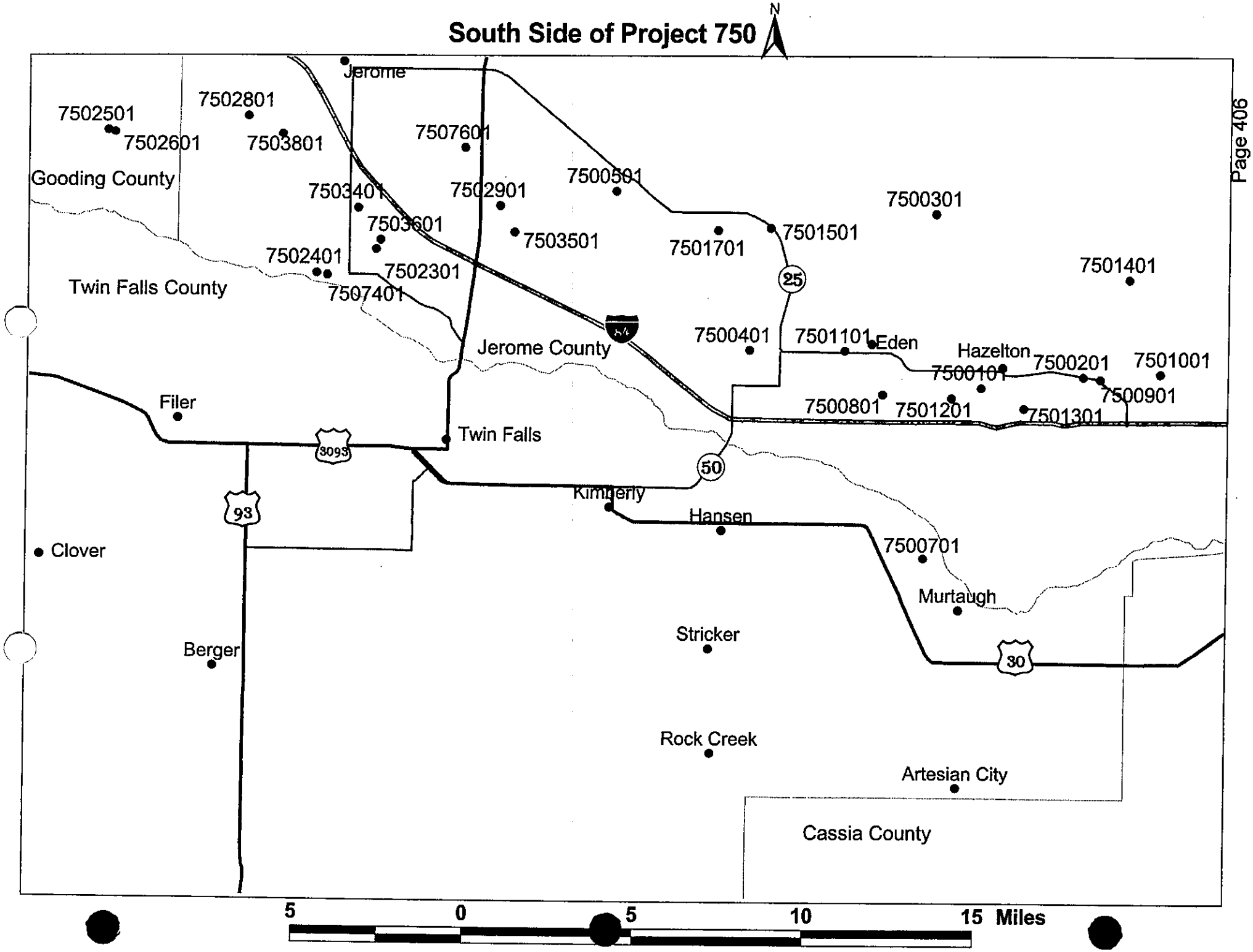
10.

Work started 10 Sept 79 finished 30 Sept 19[illegible]

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Baley & Henry Firm No. 86


South Side of Project 750
N
Page 406
Jerome
7502501
7502601
7502801
7503801
7507601
Gooding County
7503401
7502901
7500501
7500301
7503601
7503501
7501701
7501501
7502401
7502301
7501401
Twin Falls County
7507401
25
84
7500401
7501101
Eden
Hazelton
7500201
7501001
Jerome County
7500101
7500901
7500801
7501201
7501301
Filer
Twin Falls
3093
50
Kimberly
93
Hansen
7500701
Clover
Murtaugh
Stricker
Berger
30
Rock Creek
Artesian City
Cassia County
5
0
5
10
15 Miles

IDAHO STATE DEPARTMENT OF AGRICULTURE

GROUND WATER MONITORING PROGRAM

A SUMMARY OF REGIONAL PROJECT 750, INCLUDING JEROME & GOODING COUNTIES

ISDA Well ID: 7500401 **Township: 09 S, Range: 18 E, Section: 25**

Sample Date: *6/19/2003*
FLUOMETURON: 0.049 µg/L

ISDA Well ID: 7500501 **Township: 09 S, Range: 18 E, Section: 05**

Sample Date: *8/5/1997*
ATRAZINE DESETHYL: 0.003 µg/L

ATRAZINE DESETHYL: 0.004 µg/L

Sample Date: *6/25/2003*
DESETHYL ATRAZINE: 0.025 µg/L

ISDA Well ID: 7500701 **Township: 10 S, Range: 19 E, Section: 25**

Sample Date: *6/18/2003*
DACTHAL (DCPA): 0.1 µg/L

ISDA Well ID: 7500801 **Township: 10 S, Range: 19 E, Section: 02**

Sample Date: *6/19/2003*
DACTHAL (DCPA): 0.08 µg/L

ISDA Well ID: 7500901 **Township: 09 S, Range: 20 E, Section: 35**

Sample Date: *8/5/1997*
METRIBUZIN: 0.02 µg/L

ISDA Well ID: 7501001 **Township: 09 S, Range: 20 E, Section: 36**

Sample Date: *8/5/1997*
ATRAZINE DESETHYL: 0.002 µg/L

ATRAZINE: 0.001 µg/L

ISDA Well ID: 7501301 **Township: 10 S, Range: 20 E, Section: 05**

Sample Date: *8/6/1997*
ATRAZINE DESETHYL: 0.002 µg/L

ISDA Well ID: 7501401 **Township: 09 S, Range: 20 E, Section: 13**

Sample Date: *8/6/1997*

2, 4-D: 0.45 µg/L

ATRAZINE DESETHYL: 0.007 µg/L

ATRAZINE: 0.002 µg/L

ISDA Well ID: 7501501 **Township: 09 S, Range: 19 E, Section: 07**

Sample Date: *8/6/1997*

ATRAZINE DESETHYL: 0.004 µg/L

ATRAZINE: 0.005 µg/L

SIMAZINE: 0.002 µg/L

ISDA Well ID: 7501701 **Township: 09 S, Range: 18 E, Section: 12**

Sample Date: *8/6/1997*

ATRAZINE DESETHYL: 0.003 µg/L

ISDA Well ID: 7501901 **Township: 07 S, Range: 14 E, Section: 27**

Sample Date: *8/11/1997*

ATRAZINE DESETHYL: 0.012 µg/L

ATRAZINE: 0.005 µg/L

Sample Date: *7/19/1999*

ATRAZINE DESETHYL: 0.003 µg/L

ISDA Well ID: 7502401 **Township: 09 S, Range: 16 E, Section: 13**

Sample Date: *8/11/1997*

ATRAZINE DESETHYL: 0.11 µg/L

ATRAZINE: 0.04 µg/L

Sample Date: *7/7/1999*

ATRAZINE: 0.072 µg/L

Sample Date: *6/17/2003*

ATRAZINE: 0.031 µg/L

DESETHYL ATRAZINE: 0.051 µg/L

ISDA Well ID: 7502501 **Township: 08 S, Range: 15 E, Section: 26**

Sample Date: *8/12/1997*

ATRAZINE DESETHYL: 0.004 µg/L

ISDA Well ID: 7502601 **Township: 08 S, Range: 15 E, Section: 25**

Sample Date: *8/12/1997*

ATRAZINE DESETHYL: 0.011 µg/L

ATRAZINE: 0.008 µg/L

ISDA Well ID: 7502901 **Township: 09 S, Range: 17 E, Section: 02**

Sample Date: *8/12/1997*

2, 4-D: 0.034 µg/L

ISDA Well ID: 7503001 **Township: 08 S, Range: 16 E, Section: 13**

Sample Date: *8/12/1997*

ATRAZINE DESETHYL: 0.002 µg/L

ISDA Well ID: 7503301 **Township: 08 S, Range: 17 E, Section: 03**

Sample Date: *8/12/1997*

2, 4-D: 0.0022 µg/L

ISDA Well ID: 7504401 **Township: 06 S, Range: 13 E, Section: 12**

Sample Date: *8/18/1997*

ATRAZINE DESETHYL: 0.02 µg/L

ATRAZINE: 0.013 µg/L

ISDA Well ID: 7504601 **Township: 06 S, Range: 15 E, Section: 05**

Sample Date: *8/18/1997*

ATRAZINE DESETHYL: 0.011 µg/L

ATRAZINE: 0.004 µg/L

Sample Date: *7/7/2003*

DESETHYL ATRAZINE: 0.027 µg/L

ISDA Well ID: 7504701 Township: 05 S, Range: 15 E, Section: 06

Sample Date: 8/18/1997

2, 4-D: 0.0085 µg/L

ATRAZINE DESETHYL: 0.005 µg/L

ATRAZINE: 0.004 µg/L

BROMACIL: 0.078 µg/L

Sample Date: 7/13/1999

PICLORAM: 0.5 µg/L

Sample Date: 7/7/2003

BROMACIL: 0.31 µg/L

DIURON: 0.14 µg/L

ISDA Well ID: 7504801 Township: 05 S, Range: 15 E, Section: 19

Sample Date: 8/18/1997

ATRAZINE DESETHYL: 0.017 µg/L

ATRAZINE: 0.007 µg/L

Sample Date: 7/7/2003

DESETHYL ATRAZINE: 0.028 µg/L

ISDA Well ID: 7504901 Township: 05 S, Range: 15 E, Section: 11

Sample Date: 8/18/1997

ATRAZINE DESETHYL: 0.027 µg/L

ATRAZINE: 0.017 µg/L

Sample Date: 7/7/2003

DESETHYL ATRAZINE: 0.032 µg/L

ISDA Well ID: 7505001 Township: 06 S, Range: 14 E, Section: 26

Sample Date: 8/18/1997

ATRAZINE DESETHYL: 0.007 µg/L

ATRAZINE: 0.004 µg/L

ISDA Well ID: 7505101 Township: 06 S, Range: 13 E, Section: 21

Sample Date: 8/19/1997

2, 4-D: 0.0024 µg/L

ATRAZINE DESETHYL: 0.015 µg/L

ISDA Well ID: 7505301 Township: 06 S, Range: 13 E, Section: 26

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.02 µg/L

ATRAZINE: 0.007 µg/L

ISDA Well ID: 7505401 Township: 06 S, Range: 14 E, Section: 19

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.019 µg/L

ATRAZINE: 0.0097 µg/L

ISDA Well ID: 7505501 Township: 06 S, Range: 13 E, Section: 16

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.015 µg/L

ATRAZINE: 0.007 µg/L

ISDA Well ID: 7505601 Township: 06 S, Range: 14 E, Section: 02

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.024 µg/L

ATRAZINE: 0.012 µg/L

Sample Date: 6/26/2003

DESETHYL ATRAZINE: 0.028 µg/L

ISDA Well ID: 7505701 Township: 05 S, Range: 15 E, Section: 16

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.023 µg/L

ATRAZINE: 0.004 µg/L

Sample Date: 6/26/2003

DESETHYL ATRAZINE: 0.029 µg/L

ISDA Well ID: 7505801 Township: 05 S, Range: 15 E, Section: 21

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.025 µg/L

ATRAZINE: 0.009 µg/L

Sample Date: 7/13/1999

DIAZINON: 0.81 µg/L

ISDA Well ID: 7505901 **Township: 05 S, Range: 15 E, Section: 34**

Sample Date: 8/19/1997

ATRAZINE DESETHYL: 0.019 µg/L

ATRAZINE: 0.008 µg/L

Sample Date: 6/26/2003

DESETHYL ATRAZINE: 0.027 µg/L

ISDA Well ID: 7506101 **Township: 06 S, Range: 19 E, Section: 21**

Sample Date: 8/25/1997

DICHLOROPROP: 0.04 µg/L

ISDA Well ID: 7506601 **Township: 04 S, Range: 18 E, Section: 31**

Sample Date: 8/25/1997

ATRAZINE DESETHYL: 0.015 µg/L

ATRAZINE: 0.011 µg/L

Sample Date: 7/2/2003

ATRAZINE: 0.069 µg/L

DESETHYL ATRAZINE: 0.17 µg/L

ISDA Well ID: 7506701 **Township: 05 S, Range: 16 E, Section: 02**

Sample Date: 8/25/1997

ATRAZINE DESETHYL: 0.003 µg/L

ATRAZINE: 0.005 µg/L

Sample Date: 7/2/2003

DESETHYL ATRAZINE: 0.03 µg/L

ISDA Well ID: 7507001 **Township: 07 S, Range: 13 E, Section: 13**

Sample Date: 7/6/1999

DACTHAL (DCPA): 0.84 µg/L

ISDA Well ID: 7507201 **Township: 07 S, Range: 14 E, Section: 35**

Sample Date: 8/26/1997

ATRAZINE DESETHYL: 0.002 µg/L

ATRAZINE: 0.002 µg/L

ISDA Well ID: 7507401 Township: 09 S, Range: 16 E, Section: 24

Sample Date: 8/26/1997

ATRAZINE DESETHYL: 0.007 µg/L

ATRAZINE: 0.022 µg/L

Sample Date: 7/7/1999

ATRAZINE: 0.04 µg/L

ATRAZINE: 0.042 µg/L

ISDA Well ID: 7507501 Township: 08 S, Range: 17 E, Section: 05

Sample Date: 8/26/1997

ATRAZINE DESETHYL: 0.017 µg/L

ATRAZINE: 0.016 µg/L

IDAHO STATE DEPARTMENT OF AGRICULTURE

GROUND WATER MONITORING PROGRAM

Pesticide Index

Pesticide	EPA Reference (measured in Parts per billion)	
2, 4-D	70	MCL
ATRAZINE	3	MCL
ATRAZINE DESETHYL		
BROMACIL	90	HAL
DACTHAL (DCPA)	70	HAL
DIAZINON	0.6	HAL
DIURON	10	HAL
FLUOMETURON	90	HAL
METRIBUZIN	200	HAL
PICLORAM	500	MCL
SIMAZINE	4	MCL

MCL: EPA-established standard, Maximum Containment Level
Rfd: EPA-established standard, Reference Dose for a 10-kg Child
HAL: EPA-established standard, Health Advisory Limit

* For questions or comments regarding this data or other water quality issues, please contact Rick Carlson

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

IDAHO STATE DEPARTMENT OF AGRICULTURE

GROUND WATER MONITORING PROGRAM

A SUMMARY OF REGIONAL PROJECT 750, INCLUDING JEROME & GOODING COUNTIES

ISDA Well ID	*Township*	*Range*	*Section*
7500101	10 S	20 E	06

SampleDate	*Nitrate mg/L**	*Nitrite mg/L*	*OrthoP mg/L*	*Chloride mg/L*	*Sulfate mg/L*	*Ammonia mg/L*	*Bromide mg/L*	*Fluoride mg/L*
8/4/1997	2.5	ND	0.18	32	NA	ND	NA	NA
9/10/1998	3.3	ND	0.16	38	50	0.13	NA	NA
6/12/2000	2.38	ND	0.33	45	72	ND	NA	NA
6/1/2001	2.31	ND	0.10	37	48	ND	NA	NA
5/28/2002	1.80	ND	BDL	46.00	57.00	BDL	BDL	0.34
6/18/2003	2	ND	ND	48	61	0.3	BDL	0.25
7/8/2004	2	ND	BDL	44	58	BDL	BDL	0.38
6/23/2005	2.0	ND	ND	50	62	NA	BDL	0.35

ISDA Well ID	*Township*	*Range*	*Section*
7500201	09 S	20 E	34

SampleDate	*Nitrate mg/L**	*Nitrite mg/L*	*OrthoP mg/L*	*Chloride mg/L*	*Sulfate mg/L*	*Ammonia mg/L*	*Bromide mg/L*	*Fluoride mg/L*
8/4/1997	1.1	ND	0.12	8	NA	ND	NA	NA
9/10/1998	1.52	ND	0.33	12	38	0.18	NA	NA
7/12/1999	0.79	ND	ND	18	40	ND	ND	0.43
6/12/2000	1.19	ND	0.22	12	48	ND	NA	NA
6/1/2001	1.74	ND	0.09	35	24	ND	NA	NA
6/4/2002	1.100	ND	BDL	27.00	45.00	BDL	ND	0.53
6/18/2003	1	ND	ND	29	49	0.14	BDL	0.45
7/8/2004	1.1	ND	ND	28	48	BDL	ND	0.55
6/22/2005	1.2	ND	ND	32	50	NA	ND	0.58

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Se
7500301	09 S	19 E	01

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/4/1997	1.9	ND	0.21	53	NA	ND	NA	NA
9/18/1998	2.37	ND	0.12	47	56	ND	NA	NA
7/12/1999	1.6	ND	ND	60	70	ND	ND	0.36
6/20/2000	2.07	ND	0.21	52	80	ND	NA	NA
6/5/2001	2.04	ND	0.08	2	118	ND	NA	NA
5/23/2002	1.70	ND	BDL	120.00	410.00	BDL	BDL	0.58
6/19/2003	1.8	ND	ND	52	61	BDL	BDL	0.36
7/8/2004	1.8	ND	BDL	56	66	BDL	0.15	0.45
6/27/2005	1.6	ND	ND	57	69	NA	0.13	0.4

ISDA Well ID	Township	Range	Section
7500401	09 S	18 E	25

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/4/1997	3.4	ND	0.15	37	NA	ND	NA	NA
9/29/1998	4.31	ND	0.17	34	76	ND	NA	NA
7/12/1999	2.7	ND	ND	45	69	ND	ND	0.25
6/15/2000	8.68	ND	0.39	43	78	ND	NA	NA
6/4/2001	2.93	ND	0.17	5	69	ND	NA	NA
5/23/2002	2.20	ND	BDL	55.00	67.00	BDL	BDL	0.38
6/19/2003	2.4	ND	ND	51	59	BDL	BDL	0.3
7/7/2004	2.5	ND	ND	57	69	BDL	0.15	0.39
6/23/2005	2.7	ND	ND	46	71	NA	0.13	0.33

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect.
7500501	09 S	18 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	1.9	ND	0.12	27	NA	ND	NA	NA
7/19/1999	0.86	ND	ND	29	60	ND	ND	0.27
6/20/2000	1.31	ND	0.39	28	80	ND	NA	NA
6/1/2001	1.67	ND	0.20	21	33	ND	NA	NA
5/22/2002	1.60	ND	ND	39.00	62.00	BDL	BDL	0.32
6/25/2003	1.6	ND	ND	30	51	BDL	BDL	0.27
6/30/2004	1.3	ND	ND	29	59	BDL	BDL	0.28
6/27/2005	1.6	ND	ND	31	57	NA	BDL	0.26
6/27/2005	1.6	ND	ND	32	58	NA	BDL	0.28

ISDA Well ID	Township	Range	Section
7500701	10 S	19 E	25

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	1.9	ND	0.25	22	NA	ND	NA	NA
9/10/1998	2.17	ND	0.18	16	48	0.16	NA	NA
7/12/1999	1.5	ND	ND	28	48	ND	ND	0.31
6/8/2000	2.08	ND	0.41	27	30	ND	NA	NA
6/1/2001	2.07	ND	0.16	20	27	ND	NA	NA
5/23/2002	1.70	ND	BDL	63.00	490.00	BDL	ND	0.50
6/18/2003	1.8	ND	ND	32	56	0.21	BDL	0.3
7/8/2004	1.7	ND	ND	31	53	BDL	BDL	0.42
6/23/2005	1.8	ND	ND	33	55	NA	ND	0.44

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7500801	10 S	19 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	2.9	ND	0.17	36	NA	ND	NA	NA
10/5/1998	2.56	ND	0.12	38	66	ND	NA	NA
7/12/1999	2	ND	ND	42	59	ND	ND	0.22
6/12/2000	2.58	ND	0.2	33	62	ND	NA	NA
6/5/2001	2.54	ND	0.19	3	96	ND	NA	NA
5/23/2002	2.00	ND	BDL	39.00	58.00	BDL	BDL	0.31
6/19/2003	2.1	ND	ND	36	51	0.24	BDL	0.22
7/8/2004	2.2	ND	ND	41	58	BDL	0.1	0.33
6/23/2005	2.1	ND	ND	44	61	NA	BDL	0.28

ISDA Well ID	Township	Range	Section
7500901	09 S	20 E	35

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	1.9	ND	0.31	29	NA	ND	NA	NA
9/10/1998	1.91	ND	0.06	42	54	0.14	NA	NA
7/12/1999	1.3	ND	ND	39	50	ND	ND	0.26
6/8/2000	1.98	ND	0.28	40	32	ND	NA	NA
6/1/2001	1.61	ND	0.18	24	21	ND	NA	NA
6/4/2002	1.20	ND	BDL	41.00	49.00	BDL	BDL	0.33
6/17/2003	1.3	ND	ND	44	52	BDL	BDL	0.24
4/8/2004	1.3	ND	ND	36	49	BDL	BDL	0.35
6/22/2005	1.3	ND	ND	40	50	NA	BDL	0.32

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect
7501001	09 S	20 E	36

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	5.8	ND	0.16	36	NA	ND	NA	NA
9/10/1998	3.22	ND	0.09	26	44	0.15	NA	NA
7/12/1999	2.2	ND	ND	55	59	ND	ND	0.33
6/12/2000	3.19	ND	0.44	50	68	ND	NA	NA
6/1/2001	3.40	ND	0.15	44	32	ND	NA	NA
6/4/2002	2.90	ND	BDL	46.00	56.00	BDL	BDL	0.50
6/17/2003	1.5	ND	ND	33	50	BDL	BDL	0.26
6/17/2003	1.5	ND	ND	33	49	BDL	BDL	0.26
7/8/2004	1.2	ND	ND	31	46	BDL	0.14	0.33
6/23/2005	1.2	ND	ND	34	48	NA	ND	0.36

ISDA Well ID	Township	Range	Section
7501101	09 S	19 E	28

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/5/1997	2.7	ND	0.11	36	NA	ND	NA	NA
9/25/1998	2.88	ND	0.18	38	64	ND	NA	NA
7/12/1999	2.3	ND	ND	41	57	ND	ND	0.25
6/20/2000	2.25	ND	0.347	39	70	ND	NA	NA
6/4/2001	2.30	0.004	0.12	3	35	ND	NA	NA
5/23/2002	1.90	ND	BDL	40.00	94.00	BDL	BDL	0.36
6/19/2003	2	ND	ND	36	50	BDL	BDL	0.24
7/7/2004	2	ND	ND	41	57	BDL	0.11	0.35
6/23/2005	2.0	ND	ND	45	60	NA	BDL	0.34

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7501201	10 S	20 E	06

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	2.4	ND	0.09	38	NA	ND	NA	NA
7/12/1999	1.7	ND	ND	55	62	ND	ND	0.27
6/12/2000	2.25	ND	0.25	31	66	ND	NA	NA
6/5/2001	1.89	ND	0.06	4	82	ND	NA	NA
5/23/2002	1.80	ND	BDL	36.00	140.00	BDL	BDL	0.42
6/19/2003	1.7	ND	ND	32	50	0.15	BDL	0.26
7/8/2004	1.8	ND	ND	35	56	0.13	BDL	0.4
6/23/2005	1.7	ND	ND	36	55	NA	BDL	0.35

ISDA Well ID	Township	Range	Section
7501301	10 S	20 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	2	ND	0.07	12	NA	ND	NA	NA
9/4/1998	2.28	ND	0.22	18	48	ND	NA	NA
7/12/1999	1.5	ND	ND	21	45	ND	ND	0.44
6/12/2000	2.15	ND	0.29	21	52	ND	NA	NA
6/1/2001	2.24	ND	0.20	25	18	ND	NA	NA
5/23/2002	1.60	ND	ND	28.00	67.00	BDL	ND	0.45
6/18/2003	1.9	ND	ND	30	52	BDL	BDL	0.42
7/8/2004	1.5	ND	ND	26	54	BDL	ND	0.58
6/23/2005	1.9	ND	ND	29	51	NA	ND	0.58

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7501401	09 S	20 E	13

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	4.4	ND	0.11	49	NA	ND	NA	NA
9/24/1998	4.82	ND	0.18	30	82	ND	NA	NA
7/12/1999	3.9	ND	ND	71	77	ND	ND	0.32
6/20/2000	4.82	ND	0.25	62	76	ND	NA	NA
6/5/2001	5.12	ND	0.15	2	118	ND	NA	NA
6/4/2002	4.60	ND	ND	70.00	200.00	BDL	0.17	0.38
6/30/2003	4.5	ND	ND	63	69	BDL	0.15	0.32
7/8/2004	4.4	ND	ND	64	74	BDL	0.17	0.35
6/23/2005	4.2	ND	ND	66	76	NA	0.14	0.34

ISDA Well ID	Township	Range	Section
7501501	09 S	19 E	07

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	2.4	ND	0.14	41	NA	ND	NA	NA
9/16/1998	2.48	ND	0.11	41	64	ND	NA	NA
7/12/1999	1.9	ND	ND	49	60	ND	ND	0.32
6/20/2000	2.44	ND	0.34	44	76	ND	NA	NA
6/1/2001	2.68	ND	0.11	34	30	ND	NA	NA
5/23/2002	2.20	ND	BDL	51.00	65.00	BDL	BDL	0.39
6/19/2003	2.5	ND	ND	47	55	BDL	BDL	0.31
7/7/2004	2.6	ND	ND	55	67	BDL	0.2	0.42
6/22/2005	2.7	ND	ND	57	67	NA	0.13	0.4

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7501601	08 S	18 E	08

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	1	ND	0.17	15	NA	ND	NA	NA
8/27/1998	0.82	ND	0.11	22	24	0.04	NA	NA
7/27/1999	0.75	ND	ND	41	76	ND	ND	0.53
6/14/2000	0.7	ND	0.27	9	32	ND	NA	NA
6/11/2001	0.79	ND	0.06	<1	4	ND	NA	NA
5/23/2002	0.610	ND	BDL	20.00	31.00	BDL	ND	0.59
6/25/2003	0.61	ND	ND	18	30	BDL	ND	0.58
7/7/2004	0.65	ND	ND	20	33	BDL	BDL	0.63
6/22/2005	0.63	ND	ND	20	32	NA	ND	0.58

ISDA Well ID	Township	Range	Section
7501701	09 S	18 E	12

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/6/1997	4.1	ND	0.18	39	NA	ND	NA	NA
8/27/1998	3.56	ND	0.28	52	78	0.03	NA	NA
7/12/1999	2.4	ND	ND	52	67	0.14	ND	0.31
6/15/2000	3.24	ND	0.26	54	76	ND	NA	NA
6/4/2001	2.93	ND	0.20	4	76	ND	NA	NA
5/28/2002	2.40	ND	BDL	57.00	66.00	BDL	BDL	0.38
6/25/2003	2.5	ND	ND	60	65	BDL	BDL	0.37
7/7/2004	2.7	ND	ND	60	73	BDL	0.12	0.38
6/27/2005	2.8	ND	ND	61	70	NA	0.14	0.4

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect
7501901	07 S	14 E	27

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	2.2	ND	0.14	16	NA	ND	NA	NA
7/19/1999	1.5	ND	ND	17	40	ND	ND	0.5
6/12/2000	1.59	ND	0.32	19	48	ND	NA	NA
6/7/2001	1.41	ND	0.18	15	32	ND	NA	NA
5/21/2002	0.078	ND	ND	2.00	0.41	BDL	ND	BDL
6/30/2002	1.2	ND	ND	24	42	BDL	ND	0.52
6/30/2003	1.2	ND	ND	24	42	BDL	ND	0.52
6/28/2004	1.2	ND	ND	25	47	BDL	ND	0.58
7/6/2005	1.3	ND	ND	25	44	NA	ND	0.59

ISDA Well ID	Township	Range	Section
7502001	08 S	16 E	03

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	1.1	ND	0.25	21	NA	ND	NA	NA
9/24/1998	1.37	ND	0.15	17	34	ND	NA	NA
7/27/1999	0.77	ND	ND	21	32	ND	ND	0.55
6/6/2000	0.79	ND	0.14	14	32	ND	NA	NA
6/6/2001	0.88	ND	0.13	14	8	ND	NA	NA
5/23/2002	0.690	ND	BDL	43.00	380.00	BDL	ND	0.69
6/23/2003	0.64	ND	ND	20	34	BDL	ND	0.54
6/30/2004	0.72	ND	ND	20	35	BDL	ND	0.62
6/28/2005	0.72	ND	ND	21	33	NA	ND	0.57

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7502101	08 S	16 E	06

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	1.2	ND	0.16	15	NA	ND	NA	NA
9/15/1998	1.51	ND	0.26	12	32	0.11	NA	NA
7/7/1999	0.87	ND	ND	16	31	ND	ND	0.48
6/20/2000	0.93	ND	0.36	22	26	ND	NA	NA
6/6/2001	0.90	ND	0.17	12	11	ND	NA	NA
6/3/2002	0.660	ND	BDL	14	34	BDL	ND	0.53
6/25/2003	0.75	ND	ND	15	31	BDL	BDL	0.54
6/30/2004	0.88	ND	ND	16	30	BDL	ND	0.59
6/28/2005	0.81	ND	ND	17	31	NA	ND	0.54

ISDA Well ID	Township	Range	Section
7502201	08 S	17 E	17

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	1.9	ND	0.27	33	NA	ND	NA	NA
9/9/1998	2.03	ND	0.2	25	46	ND	NA	NA
6/29/1999	1	ND	ND	32	43	ND	ND	0.52
6/14/2000	7.21	ND	0.25	22	44	ND	NA	NA
6/4/2001	1.19	ND	0.14	4	15	ND	NA	NA
5/22/2002	0.80	ND	ND	30.00	41.00	BDL	ND	0.54
6/24/2003	1	ND	ND	31	41	BDL	BDL	0.53
7/7/2004	1	ND	ND	32	44	BDL	BDL	0.61
6/27/2005	1.0	ND	ND	29	43	NA	BDL	0.56

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Secti
7502301	09 S	17 E	18

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	1.1	ND	0.2	28	NA	ND	NA	NA
9/15/1998	1.23	ND	0.14	21	40	ND	NA	NA
7/7/1999	0.56	ND	ND	29	36	ND	ND	0.37
6/6/2000	2.03	ND	0.14	40	62	ND	NA	NA
6/1/2001	2.09	ND	0.07	40	25	ND	NA	NA
5/22/2002	0.570	ND	BDL	26.00	34.00	BDL	ND	0.42
6/25/2003	0.56	ND	ND	25	31	BDL	ND	0.43
6/30/2004	0.66	ND	ND	28	34	BDL	ND	0.46
6/29/2005	0.7	ND	ND	31	37	NA	BDL	0.34

ISDA Well ID	Township	Range	Section
7502401	09 S	16 E	13

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	5.7	ND	0.27	45	NA	ND	NA	NA
8/27/1998	4.31	ND	0.19	38	56	0.03	NA	NA
7/7/1999	3.6	ND	ND	40	60	ND	ND	0.33
6/7/2000	4.17	ND	0.53	31	64	ND	NA	NA
6/1/2001	3.75	ND	0.13	26	16	ND	NA	NA
5/29/2002	3.00	ND	ND	36.00	57.00	BDL	BDL	0.42
6/17/2003	3.3	ND	ND	40	60	BDL	BDL	0.33
6/29/2004	3.3	ND	ND	41	62	BDL	BDL	0.42
6/29/2005	3.3	ND	ND	42	60	NA	BDL	0.37

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7502501	08 S	15 E	26

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	2.6	ND	0.23	47	NA	ND	NA	NA
9/17/1998	3.69	ND	0.09	41	74	ND	NA	NA
7/6/1999	1.5	ND	ND	46	56	ND	ND	0.44
6/12/2000	1.7	ND	0.22	37	56	ND	NA	NA
6/5/2001	1.80	ND	0.08	<1	12	ND	NA	NA
6/4/2002	1.40	ND	BDL	42.00	53.00	BDL	BDL	0.51
6/30/2003	1.4	ND	ND	40	48	BDL	BDL	0.45
6/29/2004	1.6	ND	ND	45	57	BDL	BDL	0.49
7/5/2005	1.7	ND	ND	48	62	NA	0.12	0.5

ISDA Well ID	Township	Range	Section
7502601	08 S	15 E	25

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	3	ND	0.12	50	NA	ND	NA	NA
9/16/1998	2.01	ND	0.22	44	62	ND	NA	NA
7/6/1999	3.2	ND	ND	50	58	ND	ND	0.43
6/12/2000	3.18	ND	0.31	43	67	ND	NA	NA
6/5/2001	1.84	ND	0.23	1	95	ND	NA	NA
6/4/2002	1.400	ND	BDL	43.00	53.00	BDL	BDL	0.50
6/30/2003	1.5	ND	0.23	44	53	BDL	BDL	0.48
6/29/2004	1.7	ND	ND	46	58	BDL	BDL	0.52
7/5/2005	2.4	ND	ND	46	59	NA	0.13	0.52

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7502701	08 S	15 E	15

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	1.2	ND	0.06	13	NA	ND	NA	NA
9/22/1998	0.85	ND	0.16	6	26	ND	NA	NA
7/19/1999	0.81	ND	ND	11	25	ND	ND	0.44
6/12/2000	1.02	ND	0.41	7	28	ND	NA	NA
6/7/2001	1.08	ND	0.17	6	3	ND	NA	NA
5/21/2002	0.770	ND	ND	11.00	25.00	BDL	ND	0.41
6/30/2003	0.75	ND	ND	10	25	BDL	ND	0.4
6/28/2004	0.8	ND	ND	12	27	BDL	ND	0.43
7/5/2005	0.88	ND	ND	11	27	NA	ND	0.44

ISDA Well ID	Township	Range	Section
7502801	08 S	16 E	28

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	1.6	ND	0.15	19	NA	ND	NA	NA
9/16/1998	1.61	ND	0.2	12	34	ND	NA	NA
6/29/1999	1.4	ND	ND	16	32	ND	ND	0.5
6/12/2000	1.16	ND	0.25	14	32	ND	NA	NA
6/5/2001	1.15	ND	0.05	1	7	ND	NA	NA
6/4/2002	0.980	ND	ND	16.00	31.00	BDL	ND	0.55
6/30/2003	0.88	ND	ND	15	29	BDL	ND	0.53
6/29/2004	1.4	ND	ND	18	33	BDL	ND	0.54
7/5/2005	0.64	ND	ND	16	30	NA	ND	0.54

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect
7502901	09 S	17 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	0.9	ND	0.19	28	NA	ND	NA	NA
9/2/1998	1.4	ND	0.09	19	34	0.04	NA	NA
7/27/1999	0.43	ND	ND	24	34	ND	ND	0.44
6/7/2000	0.46	ND	0.45	21	32	ND	NA	NA
6/1/2001	0.68	ND	0.06	24	2	ND	NA	NA
5/29/2002	0.350	ND	BDL	28.00	31.00	BDL	ND	0.46
7/7/2003	0.4	ND	ND	22	32	BDL	ND	0.43

ISDA Well ID	Township	Range	Section
7503001	08 S	16 E	13

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	2.9	ND	0.02	47	NA	ND	NA	NA
6/14/2000	2.42	ND	0.32	31	70	ND	NA	NA
6/11/2001	2.57	0.003	0.23	6	96	ND	NA	NA
5/30/2002	2.20	ND	BDL	48.00	61.00	BDL	BDL	0.36
6/24/2003	2.3	ND	BDL	48	62	0.14	BDL	0.33
7/12/2004	2.4	ND	ND	47	65	BDL	0.11	0.39
6/29/2005	2.5	ND	ND	52	65	NA	BDL	0.3

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec.
7503101	08 S	16 E	04

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	2.1	ND	0.13	41	NA	ND	NA	NA
9/3/1998	2.14	ND	0.21	36	58	ND	NA	NA
7/19/1999	1.3	ND	ND	45	51	ND	ND	0.49
6/6/2000	1.74	ND	0.11	31	50	ND	NA	NA
6/6/2001	1.89	ND	0.14	35	59	ND	NA	NA
5/30/2002	1.30	ND	ND	40.00	86.00	BDL	BDL	0.54
6/23/2003	1.4	ND	ND	42	52	BDL	BDL	0.48
6/30/2004	1.5	ND	ND	43	53	BDL	BDL	0.55
6/28/2005	1.5	ND	ND	43	52	NA	BDL	0.51

ISDA Well ID	Township	Range	Section
7503201	08 S	16 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	1.2	ND	0.17	16	NA	ND	NA	NA
9/3/1998	1.44	ND	0.09	16	34	ND	NA	NA
6/29/1999	0.63	ND	ND	16	31	ND	ND	0.53
6/7/2000	0.57	ND	0.22	8	32	ND	NA	NA
6/6/2001	0.71	ND	0.18	14	8	ND	NA	NA
5/23/2002	0.60	ND	ND	17.00	30.00	BDL	ND	0.57
6/23/2003	0.64	ND	ND	16	29	BDL	BDL	0.55
6/30/2004	0.66	ND	ND	17	31	BDL	ND	0.62
6/28/2005	0.64	ND	ND	18	30	NA	ND	0.57

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Se.
7503301	08 S	17 E	03

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	1.1	ND	0.29	26	NA	ND	NA	NA
8/27/1998	1.02	ND	0.12	20	32	0.03	NA	NA
7/27/1999	0.77	ND	ND	21	34	ND	ND	0.54
6/6/2000	0.96	ND	0.14	18	34	ND	NA	NA
6/4/2001	0.98	ND	0.15	2	12	ND	NA	NA
5/22/2002	0.72	ND	BDL	20.00	34.00	BDL	ND	0.56
6/23/2003	0.73	ND	ND	21	36	BDL	BDL	0.53
6/30/2004	0.77	ND	ND	21	34	BDL	ND	0.62
6/27/2005	0.75	ND	ND	21	32	NA	ND	0.58

ISDA Well ID	Township	Range	Section
7503401	09 S	17 E	07

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	1	ND	0.22	26	NA	ND	NA	NA
9/9/1998	1.14	ND	0.45	18	32	0.06	NA	NA
7/7/1999	0.65	ND	ND	22	34	ND	ND	0.53
6/14/2000	0.74	ND	0.26	14	NA	ND	NA	NA
6/4/2001	1.60	ND	0.15	1	22	ND	NA	NA
5/22/2002	0.640	ND	BDL	20.00	33.00	BDL	ND	0.57
6/24/2003	0.68	ND	ND	21	33	BDL	BDL	0.56
6/30/2004	0.69	ND	ND	21	34	BDL	ND	0.62
6/29/2005	0.65	ND	ND	21	34	NA	ND	0.5

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7503501	09 S	17 E	11

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/12/1997	3.1	ND	0.14	44	NA	ND	NA	NA
9/3/1998	3.33	ND	0.15	44	72	ND	NA	NA
7/27/1999	2.3	ND	ND	51	62	ND	ND	0.34
6/7/2000	2.73	ND	0.27	39	68	ND	NA	NA
6/4/2001	2.56	ND	0.28	4	33	ND	NA	NA
5/30/2002	2.10	ND	BDL	46.00	60.00	BDL	BDL	0.40
6/23/2003	2.3	ND	ND	46	59	BDL	BDL	0.36
7/7/2004	2.4	ND	ND	47	62	BDL	0.13	0.39
6/28/2005	2.4	ND	ND	50	60	NA	0.11	0.38

ISDA Well ID	Township	Range	Section
7503601	09 S	17 E	17

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	2.7	ND	0.2	49	NA	ND	NA	NA
8/27/1998	2.23	ND	0.14	42	56	0.03	NA	NA
7/7/1999	2	ND	ND	45	69	ND	ND	0.3
6/14/2000	2.28	ND	0.18	51	68	ND	NA	NA
6/1/2001	2.52	ND	0.22	39	38	ND	NA	NA
5/22/2002	2.00	ND	ND	49.00	62.00	BDL	BDL	0.37
6/23/2003	2.2	ND	ND	50	62	BDL	BDL	0.34
6/30/2004	2.3	ND	ND	51	63	BDL	0.12	0.4
6/29/2005	2.3	ND	ND	49	60	NA	BDL	0.3

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec.
7503701	07 S	14 E	36

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	2.9	ND	0.16	48	NA	ND	NA	NA
9/2/1998	2.9	ND	0.09	38	64	0.04	NA	NA
7/19/1999	1.9	ND	ND	48	60	ND	ND	0.34
6/7/2000	2.44	ND	0.32	36	70	ND	NA	NA
6/11/2001	0.76	ND	0.09	1	2	ND	NA	NA
5/30/2002	1.90	ND	0.19	44.00	250.00	BDL	0.21	0.45
6/25/2003	2.2	ND	ND	42	54	BDL	BDL	0.47
6/30/2004	3.1	ND	ND	46	59	BDL	BDL	0.42
6/29/2005	4.4	ND	ND	46	57	NA	BDL	0.31

ISDA Well ID	Township	Range	Section
7503801	08 S	16 E	26

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	3.6	ND	0.19	47	NA	ND	NA	NA
9/2/1998	3.7	ND	0.42	45	74	0.03	NA	NA
6/29/1999	2.4	ND	ND	51	65	ND	ND	0.35
6/7/2000	2.88	ND	0.15	36	76	ND	NA	NA
6/5/2001	2.51	ND	0.09	1	113	ND	NA	NA
5/23/2002	2.20	ND	BDL	52.00	64.00	BDL	BDL	0.41
6/18/2003	2.4	ND	ND	52	66	0.1	BDL	0.35
6/29/2004	2.5	ND	ND	50	67	BDL	0.1	0.45
6/28/2005	2.5	ND	ND	50	63	NA	0.11	0.42

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7503901	08 S	15 E	12

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	1.1	ND	0.18	16	NA	ND	NA	NA
9/25/1998	1.31	ND	0.13	16	32	ND	NA	NA
7/19/1999	0.7	ND	ND	16	30	ND	ND	0.55
6/12/2000	0.67	ND	0.05	14	28	ND	NA	NA
6/6/2001	0.70	ND	0.21	8	15	ND	NA	NA
5/23/2002	0.58	ND	ND	15.00	96.00	BDL	ND	0.56
7/7/2003	0.62	ND	ND	15	30	BDL	ND	0.54
6/29/2004	0.63	ND	ND	15	30	BDL	ND	0.57
6/29/2005	0.56	ND	ND	15	30	NA	ND	0.49

ISDA Well ID	Township	Range	Section
7504001	08 S	16 E	09

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	1.5	ND	0.24	37	NA	ND	NA	NA
9/29/1998	1.84	ND	0.1	34	46	0.06	NA	NA
6/29/1999	1.1	ND	ND	33	44	ND	ND	0.5
6/7/2000	1.22	ND	0.08	28	44	ND	NA	NA
6/6/2001	1.36	ND	0.18	29	13	ND	NA	NA
5/23/2002	0.980	ND	BDL	32.00	49.00	BDL	BDL	0.57
6/18/2003	1.1	ND	ND	33	44	BDL	BDL	0.5
6/30/2004	1.1	ND	ND	33	44	NA	BDL	0.55
6/28/2005	1.1	ND	ND	34	43	NA	BDL	0.56

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7504101	08 S	15 E	14

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	1.2	ND	0.1	18	NA	ND	NA	NA
9/29/1998	1.28	ND	0.16	10	34	ND	NA	NA
7/7/1999	0.75	ND	ND	15	30	ND	ND	0.51
6/2/2000	0.92	ND	0.2	11	30	ND	NA	NA
6/6/2001	0.72	ND	0.20	10	16	ND	NA	NA
6/4/2002	0.570	ND	ND	15.00	28.00	BDL	ND	0.56
6/30/2003	0.63	ND	ND	14	30	BDL	ND	0.54
6/29/2004	0.67	ND	ND	16	29	BDL	ND	0.57

ISDA Well ID	Township	Range	Section
7504201	08 S	15 E	10

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	1.3	ND	0.24	18	NA	ND	NA	NA
9/16/1998	1.23	ND	0.32	11	24	0.06	NA	NA
7/19/1999	0.77	ND	ND	16	30	ND	ND	0.53
6/12/2000	0.83	ND	0.28	10	32	ND	NA	NA
6/7/2001	0.88	ND	0.28	7	2	ND	NA	NA
6/4/2002	0.60	ND	ND	14.00	28.00	BDL	ND	0.55
7/7/2003	0.63	ND	ND	14	29	BDL	ND	0.5
6/28/2004	0.66	ND	ND	15	30	BDL	ND	0.57
7/5/2005	0.69	ND	ND	15	31	NA	ND	0.56

ISDA Well ID	Township	Range	Section
7504301	08 S	16 E	07

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/13/1997	1.3	ND	0.11	17	NA	ND	NA	NA

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7504401	06 S	13 E	12

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	3.8	ND	0.22	32	NA	ND	NA	NA
10/6/1998	3.14	ND	0.16	20	72	ND	NA	NA
7/6/1999	2.4	ND	ND	27	62	ND	ND	0.34
6/13/2000	3	ND	0.57	10	72	ND	NA	NA
6/11/2001	2.29	ND	0.17	2	90	ND	NA	NA
5/28/2002	2.00	ND	BDL	23.00	56.00	BDL	ND	0.43
6/26/2003	2.3	ND	BDL	26	59	BDL	BDL	0.4
6/24/2004	2.1	ND	BDL	27	60	BDL	BDL	0.44
7/7/2005	2.2	ND	ND	27	57	NA	BDL	0.41

ISDA Well ID	Township	Range	Section
7504501	06 S	13 E	17

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	2.3	ND	0.18	32	NA	ND	NA	NA
9/17/1998	3.88	ND	0.08	18	64	ND	NA	NA
7/21/1999	2.1	ND	ND	23	52	ND	ND	0.22
6/13/2000	2.54	ND	0.35	10	52	ND	NA	NA
6/12/2001	1.95	ND	0.25	13	45	ND	NA	NA
5/25/2002	2.00	ND	ND	21.00	50.00	BDL	ND	0.30
7/7/2003	1.6	ND	BDL	17	39	BDL	ND	0.25
6/24/2004	1.9	ND	BDL	20	49	BDL	ND	0.26
7/7/2005	1.6	ND	ND	16	37	NA	ND	0.25

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7504601	06 S	15 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	2.7	ND	0.23	26	NA	ND	NA	NA
9/11/1998	2.53	ND	0.29	14	48	0.12	NA	NA
7/13/1999	1.8	ND	ND	15	38	ND	ND	0.31
6/19/2000	2.26	ND	0.42	6	40	ND	NA	NA
6/13/2001	3.17	ND	0.39	1	24	ND	NA	NA
6/26/2002	1.8	ND	BDL	18.00	41.00	BDL	ND	0.30
7/7/2003	2	ND	ND	21	51	BDL	BDL	0.27
7/1/2004	2	ND	ND	22	58	BDL	ND	0.34
6/30/2005	2.1	ND	ND	22	56	NA	ND	0.24

ISDA Well ID	Township	Range	Section
7504701	05 S	15 E	06

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	14	ND	0.15	42	NA	ND	NA	NA
9/28/1998	12.7	ND	0.12	35	86	ND	NA	NA
7/13/1999	10	ND	ND	38	85	ND	ND	0.55
6/19/2000	5.75	ND	0.42	21	86	ND	NA	NA
6/12/2001	4.0	ND	0.32	24	116	ND	NA	NA
5/29/2002	2.90	ND	BDL	31.00	78.00	BDL	BDL	0.38
7/7/2003	2.5	ND	0.16	31	67	BDL	BDL	0.51
7/1/2004	2.6	ND	ND	31	83	BDL	BDL	0.41
6/30/2005	2.0	ND	ND	31	66	NA	ND	0.45

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Secti
7504801	05 S	15 E	19

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	3.3	ND	0.13	34	NA	ND	NA	NA
9/11/1998	2.83	ND	0.09	24	90	0.1	NA	NA
7/13/1999	2.1	ND	ND	33	84	ND	ND	0.34
6/19/2000	2.37	ND	0.32	24	84	ND	NA	NA
6/12/2001	2.11	0.003	0.17	23	121	ND	NA	NA
5/29/2002	2.00	ND	BDL	27.00	63.00	BDL	BDL	0.41
7/7/2003	2.1	ND	BDL	28	59	BDL	BDL	0.36
7/1/2004	2.4	ND	ND	28	62	BDL	BDL	0.42
6/30/2005	2.3	ND	BDL	29	60	NA	ND	0.35

ISDA Well ID	Township	Range	Section
7504901	05 S	15 E	11

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	2.5	ND	0.2	27	NA	ND	NA	NA
9/11/1998	2.21	ND	0.09	11	64	0.1	NA	NA
7/13/1999	1.4	ND	ND	14	36	ND	ND	0.41
6/19/2000	3.38	ND	0.03	10	52	ND	NA	NA
6/12/2001	2.00	ND	0.17	24	123	ND	NA	NA
5/29/2002	2.00	ND	BDL	27.00	77.00	BDL	BDL	0.44
7/7/2003	5.2	ND	BDL	32	83	BDL	BDL	0.61
7/1/2004	4.7	ND	ND	30	80	BDL	BDL	0.64

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7505001	06 S	14 E	26

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/18/1997	1.9	ND	0.13	41	NA	ND	NA	NA
9/11/1998	1.82	ND	0.09	8	22	0.12	NA	NA
7/13/1999	1.5	ND	ND	11	23	ND	ND	0.35
6/19/2000	1.61	ND	0.18	6	22	ND	NA	NA
6/13/2001	2.11	ND	0.27	2	25	ND	NA	NA
6/3/2002	1.20	ND	ND	9.20	21.00	BDL	ND	0.28
7/8/2003	1.3	ND	ND	9.5	21	BDL	ND	0.27
7/8/2003	1.3	ND	ND	9.7	21	BDL	ND	0.28
6/24/2004	1.3	ND	BDL	9.4	21	BDL	ND	0.3
7/6/2005	1.3	ND	ND	9.2	21	NA	ND	0.27

ISDA Well ID	Township	Range	Section
7[redacted]101	06 S	13 E	21

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	4	ND	0.22	46	NA	ND	NA	NA
10/5/1998	3.85	ND	0.25	31	88	ND	NA	NA
7/6/1999	3.5	ND	ND	33	75	ND	ND	0.33
6/13/2000	3.45	ND	0.64	17	92	ND	NA	NA
6/7/2001	3.65	ND	0.41	19	105	ND	NA	NA
5/21/2002	3.30	ND	BDL	28.00	70.00	BDL	ND	0.45
7/7/2003	4.4	ND	BDL	32	74	BDL	BDL	0.41
6/23/2004	3.4	ND	BDL	33	77	BDL	BDL	0.53
7/7/2005	3.1	ND	BDL	32	71	NA	BDL	0.41

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7505201	07 S	13 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	ND	ND	0.09	13	NA	0.08	NA	NA
10/5/1998	1.54	ND	0.2	24	70	ND	NA	NA
7/6/1999	2	ND	ND	26	65	ND	ND	0.27
6/13/2000	2.89	ND	0.55	10	72	ND	NA	NA
6/7/2001	2.64	ND	0.51	12	96	ND	NA	NA
5/21/2002	0.960	ND	BDL	11.00	26.00	BDL	ND	0.41
7/8/2003	2.5	ND	ND	21	53	BDL	ND	0.45
6/24/2004	5.9	ND	BDL	23	58	BDL	BDL	0.43
7/6/2005	3.7	ND	BDL	22	50	NA	ND	0.48

ISDA Well ID	Township	Range	Section
7505301	06 S	13 E	26

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	4	ND	0.17	32	NA	ND	NA	NA
10/6/1998	2.98	ND	0.17	26	66	ND	NA	NA
7/6/1999	2.4	ND	ND	23	53	ND	ND	0.24
6/19/2000	2.7	ND	0.26	14	50	ND	NA	NA
6/15/2001	2.12	ND	0.27	16	2	ND	NA	NA
5/28/2002	1.80	ND	BDL	18.00	44.00	BDL	ND	0.35
7/8/2003	1.9	ND	ND	18	41	BDL	ND	0.33
7/1/2004	1.9	ND	ND	20	44	BDL	ND	0.39
7/7/2005	1.6	ND	ND	19	41	NA	ND	0.32

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect.
7505401	06 S	14 E	19

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	4.3	ND	0.12	32	NA	ND	NA	NA
10/6/1998	3.14	ND	0.14	20	74	ND	NA	NA
7/6/1999	2.6	ND	ND	26	63	ND	ND	0.28
6/13/2000	3.15	ND	0.41	10	66	ND	NA	NA
6/12/2001	2.37	0.008	0.26	24	114	ND	NA	NA
5/28/2002	2.00	ND	BDL	32.00	55.00	BDL	ND	0.39
6/26/2003	2.3	ND	ND	25	58	BDL	BDL	0.35
6/24/2004	2.1	ND	BDL	26	59	BDL	ND	0.4
7/7/2005	2.0	ND	ND	25	55	NA	ND	0.33

ISDA Well ID	Township	Range	Section
7505501	06 S	13 E	16

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	5.4	ND	0.16	24	NA	ND	NA	NA
10/5/1998	3.78	ND	0.24	22	62	ND	NA	NA
7/21/1999	2.9	ND	ND	23	53	ND	ND	0.4
6/13/2000	3.42	ND	0.45	12	60	ND	NA	NA
6/7/2001	3.0	ND	0.42	15	107	ND	NA	NA
5/21/2002	2.50	ND	BDL	23.00	55.00	BDL	ND	0.43
7/8/2003	2.7	ND	ND	25	52	BDL	BDL	0.46
6/24/2004	2.8	ND	BDL	26	57	BDL	ND	0.49

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec
7505601	06 S	14 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	3.4	ND	0.23	21	NA	ND	NA	NA
10/5/1998	2.48	ND	0.18	20	52	ND	NA	NA
7/13/1999	1.9	ND	ND	17	43	ND	ND	0.39
6/19/2000	2.34	ND	0.25	17	50	ND	NA	NA
6/13/2001	3.52	ND	0.33	2	51	ND	NA	NA
5/30/2002	2.30	ND	BDL	25.00	65.00	BDL	BDL	0.40
6/26/2003	2.7	ND	ND	27	65	BDL	BDL	0.36
7/12/2004	2.6	ND	BDL	28	66	BDL	BDL	0.42
6/30/2005	2.3	ND	ND	26	57	NA	BDL	0.33

ISDA Well ID	Township	Range	Section
7505701	05 S	15 E	16

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	3.1	ND	0.05	26	NA	ND	NA	NA
9/9/1998	2.98	ND	0.32	16	78	ND	NA	NA
7/13/1999	1.9	ND	ND	23	63	ND	ND	0.25
6/19/2000	2.06	ND	0.25	20	78	ND	NA	NA
6/13/2001	2.75	ND	0.37	2	110	<0.5	NA	NA
5/30/2002	1.50	ND	ND	24.00	66.00	BDL	BDL	0.25
6/26/2003	1.6	ND	ND	24	61	BDL	BDL	0.22
7/1/2004	1.5	ND	ND	24	58	BDL	BDL	0.31
6/30/2005	1.5	ND	ND	21	48	NA	BDL	0.2

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7505801	05 S	15 E	21

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	3.2	ND	0.19	18	NA	ND	NA	NA
9/22/1998	1.97	ND	0.27	15	54	ND	NA	NA
7/13/1999	1.8	ND	ND	19	49	0.1	ND	0.41
6/7/2000	2.64	ND	0.18	13	70	ND	NA	NA
6/13/2001	3.25	ND	0.32	1	38	ND	NA	NA
5/30/2002	1.70	ND	BDL	25.00	56.00	BDL	ND	0.41
6/26/2003	1.1	ND	ND	27	50	BDL	ND	0.4
7/1/2004	1.8	ND	BDL	29	60	BDL	BDL	0.44
6/30/2005	1.6	ND	BDL	26	57	NA	BDL	0.33

ISDA Well ID	Township	Range	Section
7505901	05 S	15 E	34

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	2	ND	0.28	21	NA	ND	NA	NA
9/30/1998	2.63	ND	0.2	10	32	ND	NA	NA
7/13/1999	2	ND	ND	15	38	ND	ND	0.34
6/19/2000	2.44	ND	0.3	10	46	ND	NA	NA
6/13/2001	3.06	ND	0.32	2	21	ND	NA	NA
5/30/2002	1.60	ND	0.13	18.00	87.00	BDL	ND	0.45
6/26/2003	1.9	ND	ND	20	53	BDL	ND	0.3
7/1/2004	1.9	ND	ND	21	55	BDL	ND	0.36
6/30/2005	1.8	ND	ND	22	56	NA	ND	0.3

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Secti
7506001	06 S	14 E	25

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/19/1997	1.8	ND	0.19	15	NA	ND	NA	NA
9/28/1998	1.7	ND	0.11	4	24	ND	NA	NA
7/13/1999	1.1	ND	ND	9	21	ND	ND	0.32
6/19/2000	1.34	ND	0.16	7	16	ND	NA	NA
6/11/2001	1.17	ND	0.17	1	3	ND	NA	NA
5/30/2002	1.00	ND	BDL	7.60	59.00	BDL	ND	0.31
7/7/2003	1	ND	ND	8	20	BDL	ND	0.27
6/24/2004	1.1	ND	BDL	8.6	21	BDL	ND	0.31
7/5/2005	1.0	ND	ND	8.9	22	NA	ND	0.3

ISDA Well ID	Township	Range	Section
7506101	06 S	19 E	21

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	1.8	ND	0.12	11	NA	ND	NA	NA
7/21/1999	1.2	ND	ND	8.7	20	ND	ND	0.39
6/15/2000	3.12	ND	0.28	6	24	ND	NA	NA
6/13/2001	1.89	ND	0.19	<1	25	ND	NA	NA
5/28/2002	1.10	ND	BDL	8.70	22.00	BDL	ND	0.38
7/2/2003	1.3	ND	ND	9	22	BDL	ND	0.35
7/6/2004	1.5	ND	ND	8.6	23	BDL	ND	0.38
6/22/2005	1.5	ND	ND	8.8	22	NA	ND	0.31

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7506201	06 S	18 E	23

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	1.2	ND	0.22	12	NA	ND	NA	NA
9/23/1998	0.76	ND	0.14	2	22	ND	NA	NA
7/21/1999	1.3	ND	ND	8	17	ND	ND	0.25
6/15/2000	1.18	ND	0.15	6	22	ND	NA	NA
6/13/2001	1.33	ND	0.18	1	22	ND	NA	NA
5/28/2002	0.520	ND	BDL	7.10	20.00	BDL	ND	0.40
7/2/2003	0.82	ND	0.14	9.8	22	BDL	ND	0.36
7/6/2004	1.6	ND	ND	11	27	BDL	ND	0.46
6/22/2005	2.0	ND	ND	13	29	NA	ND	0.35

ISDA Well ID	Township	Range	Section
7506301	06 S	18 E	07

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	1.6	ND	0.16	10	NA	ND	NA	NA
9/23/1998	1.25	ND	ND	2	6	ND	NA	NA
7/21/1999	1.3	ND	ND	5.3	15	ND	ND	0.26
6/15/2000	0.75	ND	0.25	6	8	ND	NA	NA
6/13/2001	2.44	ND	0.19	<1	23	<0.5	NA	NA
5/28/2002	1.10	ND	ND	5.20	16.00	BDL	ND	0.26
7/2/2003	1.2	ND	ND	5.6	16	BDL	ND	0.24
7/6/2004	1.3	ND	ND	5.9	18	BDL	ND	0.27
6/20/2005	1.2	ND	ND	6.4	18	NA	ND	0.22

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sectio...
7506401	06 S	18 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	2.9	ND	0.16	7	NA	ND	NA	NA
9/28/1998	2.48	ND	0.08	3	4	ND	NA	NA
7/21/1999	7.4	ND	ND	7.9	30	ND	ND	0.3
6/15/2000	2.75	ND	0.41	8	12	ND	NA	NA
6/14/2001	3.56	ND	0.93	<1	21	ND	NA	NA
5/29/2002	3.00	ND	0.56	8.70	26.00	BDL	ND	0.34
7/2/2003	5.1	ND	0.31	12	29	BDL	ND	0.36
7/6/2004	3.6	ND	0.16	11	25	BDL	ND	0.39
6/20/2005	4.3	ND	0.22	14	27	NA	ND	0.32

ISDA Well ID	Township	Range	Section
7506501	06 S	18 E	06

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	1.7	ND	0.13	14	NA	ND	NA	NA
9/23/1998	1.22	ND	0.13	11	18	ND	NA	NA
7/21/1999	0.81	ND	ND	8.4	20	ND	ND	0.42
6/15/2000	1.39	ND	0.25	11	12	ND	NA	NA
6/14/2001	1.36	ND	0.16	5	20	ND	NA	NA
5/29/2002	1.20	ND	BDL	5.70	18.00	BDL	ND	0.26
7/2/2003	1.2	ND	ND	7.1	19	BDL	ND	0.25
7/6/2004	1.1	ND	ND	5.5	16	BDL	ND	0.3
6/20/2005	1.1	ND	ND	5.4	16	NA	ND	0.23

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec.
7506601	04 S	18 E	31

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	4	ND	0.35	11	NA	ND	NA	NA
9/28/1998	6.6	ND	0.38	5	26	0.06	NA	NA
7/21/1999	7.8	ND	0.12	12	30	ND	ND	0.34
6/15/2000	5.18	ND	0.34	12	2	ND	NA	NA
6/14/2001	6.79	ND	0.63	2	22	ND	NA	NA
5/29/2002	9.70	BDL	BDL	14.00	54.00	BDL	BDL	0.50
7/2/2003	7.4	ND	0.15	7.1	31	BDL	ND	0.52
7/6/2004	7.2	ND	BDL	10	32	BDL	ND	0.38
6/20/2005	8.5	ND	BDL	15	37	NA	BDL	0.39

ISDA Well ID	Township	Range	Section
7506701	05 S	16 E	02

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	2.3	ND	0.28	18	NA	ND	NA	NA
9/28/1998	2.3	ND	0.16	10	42	0.06	NA	NA
7/21/1999	1.6	ND	ND	15	36	ND	ND	0.3
6/15/2000	1.92	ND	0.23	19	44	ND	NA	NA
6/14/2001	1.99	ND	0.70	16	27	ND	NA	NA
5/29/2002	1.60	ND	0.20	18.00	48.00	BDL	ND	0.34
7/2/2003	1.7	ND	BDL	25	56	BDL	ND	0.34
7/6/2004	1.8	ND	BDL	25	58	BDL	BDL	0.43
6/20/2005	1.7	ND	ND	22	52	NA	ND	0.35

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Section
7506801	05 S	17 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/25/1997	3.6	ND	0.1	14	NA	ND	NA	NA
9/24/1998	3.62	ND	0.39	4	4	ND	NA	NA
7/21/1999	2.5	ND	ND	7.7	15	ND	ND	0.25
6/15/2000	2.67	ND	0.22	6	2	ND	NA	NA
6/14/2001	2.57	ND	0.47	2	18	ND	NA	NA
5/29/2002	10.00	ND	BDL	18.00	24.00	BDL	ND	0.27
7/2/2003	2.9	ND	ND	6.9	16	BDL	ND	0.26
7/6/2004	6.1	ND	BDL	15	25	BDL	ND	0.3
6/20/2005	4.5	ND	ND	13	21	NA	ND	0.28

ISDA Well ID	Township	Range	Section
7506901	07 S	13 E	24

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1.5	ND	0.09	10	NA	ND	NA	NA
10/5/1998	1.57	ND	0.07	7	28	ND	NA	NA
7/6/1999	1.2	ND	ND	11	27	ND	ND	0.35
6/13/2000	1.46	ND	0.14	3	28	ND	NA	NA
6/7/2001	1.29	ND	0.27	4	9	ND	NA	NA
5/21/2002	0.960	ND	BDL	11.00	26.00	BDL	ND	0.41
7/8/2003	0.95	ND	ND	11	27	BDL	ND	0.4
6/28/2004	0.98	ND	ND	12	27	BDL	ND	0.43
7/6/2005	0.88	ND	ND	10	27	NA	ND	0.39

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec.
7507001	07 S	13 E	13

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	23	ND	0.22	147	NA	ND	NA	NA
10/5/1998	24.3	ND	0.26	22	112	ND	NA	NA
7/6/1999	16	ND	ND	35	66	ND	ND	0.29
6/13/2000	2.91	ND	0.63	4	ND	ND	NA	NA
8/28/2000	11	ND	ND	22	65	ND	ND	0.38
6/7/2001	9.13	ND	0.27	25	66	ND	NA	NA
5/21/2002	2.60	ND	BDL	13.00	33.00	BDL	ND	0.50
7/8/2003	1.7	ND	ND	12	29	BDL	ND	0.49
6/28/2004	15	ND	BDL	32	92	BDL	BDL	0.58
7/6/2005	13	ND	BDL	30	84	NA	BDL	0.52

ISDA Well ID	Township	Range	Section
[redacted]101	08 S	13 E	01

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1	ND	0.08	11	NA	ND	NA	NA
10/6/1998	3.2	ND	0.18	10	26	ND	NA	NA
7/6/1999	0.74	ND	ND	10	24	ND	ND	0.36
6/13/2000	1.1	ND	0.38	6	22	ND	NA	NA
6/12/2001	0.86	0.003	0.11	6	27	ND	NA	NA
5/28/2002	0.640	ND	BDL	10.00	24.00	BDL	ND	0.42
7/8/2003	0.74	ND	ND	10	24	BDL	ND	0.4
6/24/2004	0.67	ND	BDL	10	25	BDL	ND	0.45
7/6/2005	0.66	ND	ND	10	24	NA	ND	0.4

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Secti
7507201	07 S	14 E	35

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1.3	ND	0.07	13	NA	ND	NA	NA
9/22/1998	1.18	ND	0.22	5	20	ND	NA	NA
7/19/1999	0.86	ND	ND	10	22	ND	ND	0.41
6/12/2000	1.17	ND	0.27	8	28	ND	NA	NA
6/7/2001	0.98	ND	0.15	8	5	ND	NA	NA
5/21/2002	0.860	ND	BDL	10.00	24.00	BDL	ND	0.40
7/7/2003	0.92	ND	ND	11	26	BDL	ND	0.37
6/28/2004	0.97	ND	ND	11	26	BDL	ND	0.41
7/5/2005	0.99	ND	ND	12	28	NA	ND	0.43

ISDA Well ID	Township	Range	Section
7507301	08 S	15 E	20

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1.1	ND	0.22	22	NA	ND	NA	NA
9/22/1998	1	ND	0.49	18	36	ND	NA	NA
6/29/1999	0.63	ND	ND	16	31	ND	ND	0.52
7/19/1999	0.81	ND	ND	22	34	ND	ND	0.54
6/19/2000	1.04	ND	0.3	12	40	ND	NA	NA

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sec.
7507401	09 S	16 E	24

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1.4	ND	0.29	15	NA	ND	NA	NA
9/1/1998	3.1	ND	0.18	40	68	0.04	NA	NA
7/7/1999	2.2	ND	ND	39	56	ND	ND	0.35
6/7/2000	2.95	ND	0.5	32	60	ND	NA	NA
6/4/2001	2.70	ND	0.26	4	29	ND	NA	NA
5/30/2002	2.20	ND	BDL	40.00	60.00	BDL	BDL	0.42
6/17/2003	2.3	ND	ND	42	59	BDL	BDL	0.32
6/30/2004	2.4	ND	ND	41	58	BDL	BDL	0.45
6/29/2005	2.4	ND	ND	42	58	NA	BDL	0.36

ISDA Well ID	Township	Range	Section
7507501	08 S	17 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	2.5	ND	0.26	49	NA	ND	NA	NA
9/2/1998	1.43	ND	0.09	18	37	0.03	NA	NA
7/21/1999	0.79	ND	ND	18	35	ND	ND	0.53
6/13/2000	1.1	ND	0.25	11	32	ND	NA	NA
6/6/2001	1.35	ND	0.45	16	11	ND	NA	NA
5/22/2002	0.700	ND	BDL	17.00	31.00	BDL	ND	0.56
6/24/2003	1.3	ND	0.15	26	42	BDL	BDL	0.59
7/7/2004	3.8	ND	0.13	46	57	BDL	BDL	0.61
6/27/2005	3.4	ND	0.2	41	52	NA	ND	0.76

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

ISDA Well ID	Township	Range	Sect
7507601	08 S	17 E	34

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	2.5	ND	0.22	51	NA	ND	NA	NA
7/19/1999	2	ND	ND	55	64	ND	ND	0.36
6/14/2000	2.21	ND	0.36	41	72	ND	NA	NA
6/1/2001	2.49	ND	0.16	46	32	ND	NA	NA
5/22/2002	2.00	ND	BDL	52.00	64.00	BDL	BDL	0.41
6/24/2003	2.1	ND	ND	50	63	BDL	BDL	0.39
6/30/2004	2.1	ND	ND	50	63	BDL	BDL	0.4
6/28/2005	2.2	ND	ND	50	62	NA	0.11	0.43

ISDA Well ID	Township	Range	Section
7507701	08 S	16 E	05

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/26/1997	1.2	ND	0.17	18	NA	ND	NA	NA
9/25/1998	1.31	ND	0.13	16	32	ND	NA	NA
7/19/1999	0.65	ND	ND	17	32	ND	ND	0.55
6/7/2000	0.63	ND	0.32	13	32	ND	NA	NA
6/11/2001	0.72	ND	0.08	1	3	ND	NA	NA
5/30/2002	0.560	ND	ND	16.00	30.00	BDL	ND	0.58
6/23/2003	0.64	ND	ND	16	29	0.17	BDL	0.54
7/12/2004	0.66	ND	ND	18	36	BDL	ND	0.59
6/29/2005	0.62	ND	ND	18	31	NA	ND	0.49

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.

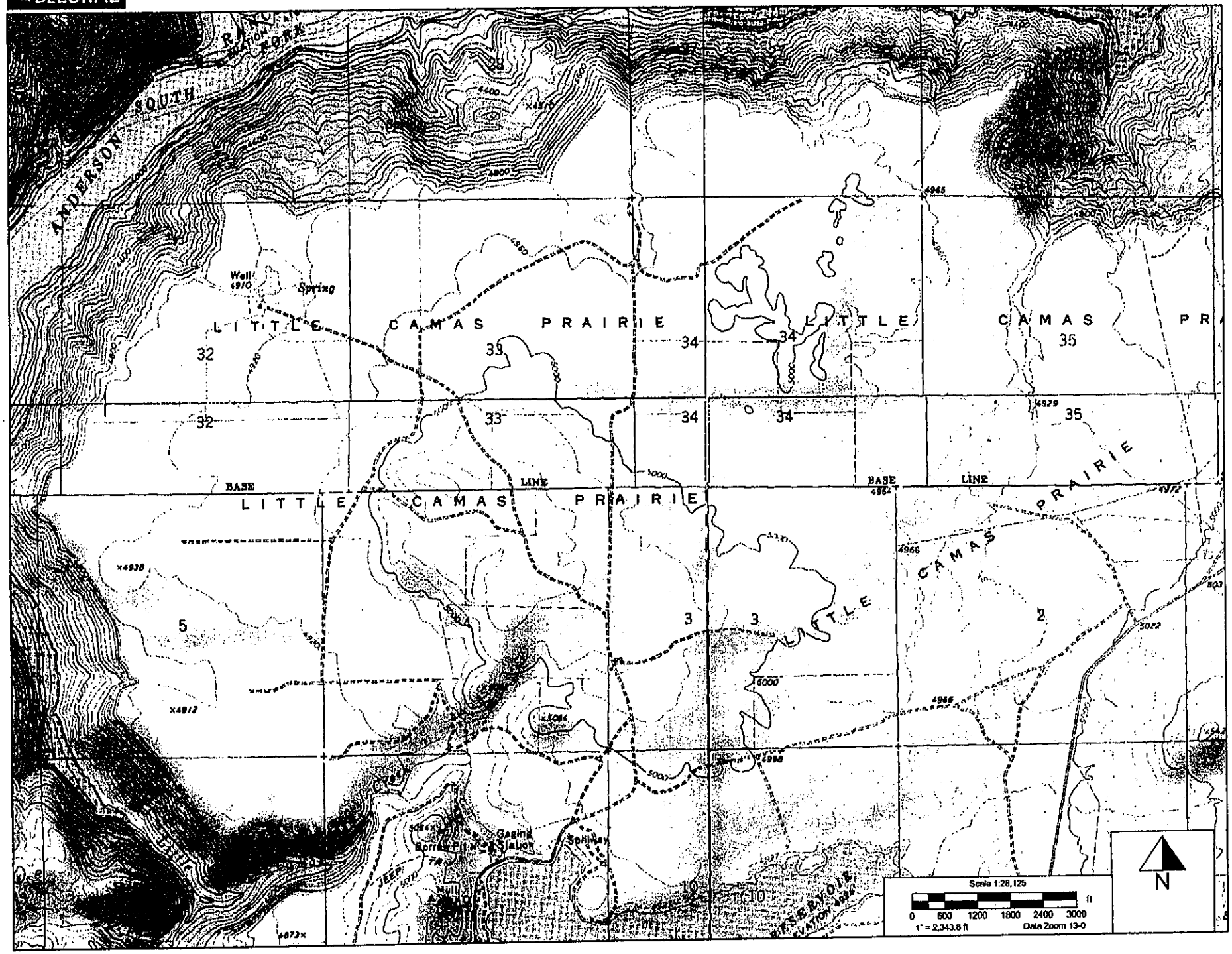
ISDA Well ID	Township	Range	Se
7507801	07 S	13 E	29

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
8/11/1997	1.1	ND	0.23	24	NA	ND	NA	NA
10/6/1998	2.69	ND	0.24	53	126	ND	NA	NA
7/6/1999	0.1	ND	0.04	8	74	ND	ND	ND
7/20/2000	0.28	0.004	0.38	17	210	ND	NA	NA
6/15/2001	0.21	ND	0.25	4	86	ND	NA	NA
5/28/2002	ND	ND	ND	12.00	69.00	BDL	BDL	2.80
7/8/2003	ND	ND	ND	11	73	BDL	BDL	3.3
6/28/2004	ND	ND	ND	12	75	BDL	BDL	3
7/6/2005	ND	ND	ND	11	70	NA	BDL	3.1

ISDA Well ID	Township	Range	Section
7507901			

SampleDate	Nitrate mg/L*	Nitrite mg/L	OrthoP mg/L	Chloride mg/L	Sulfate mg/L	Ammonia mg/L	Bromide mg/L	Fluoride mg/L
6/20/2005	3.4	ND	ND	49	150	NA	0.14	0.37

Results reported higher than the noted detection limit signifies a positive detection. All constituents listed without detection limits are reported as actual detections. For results reported below the detection limit, these indicate non-detectable levels.



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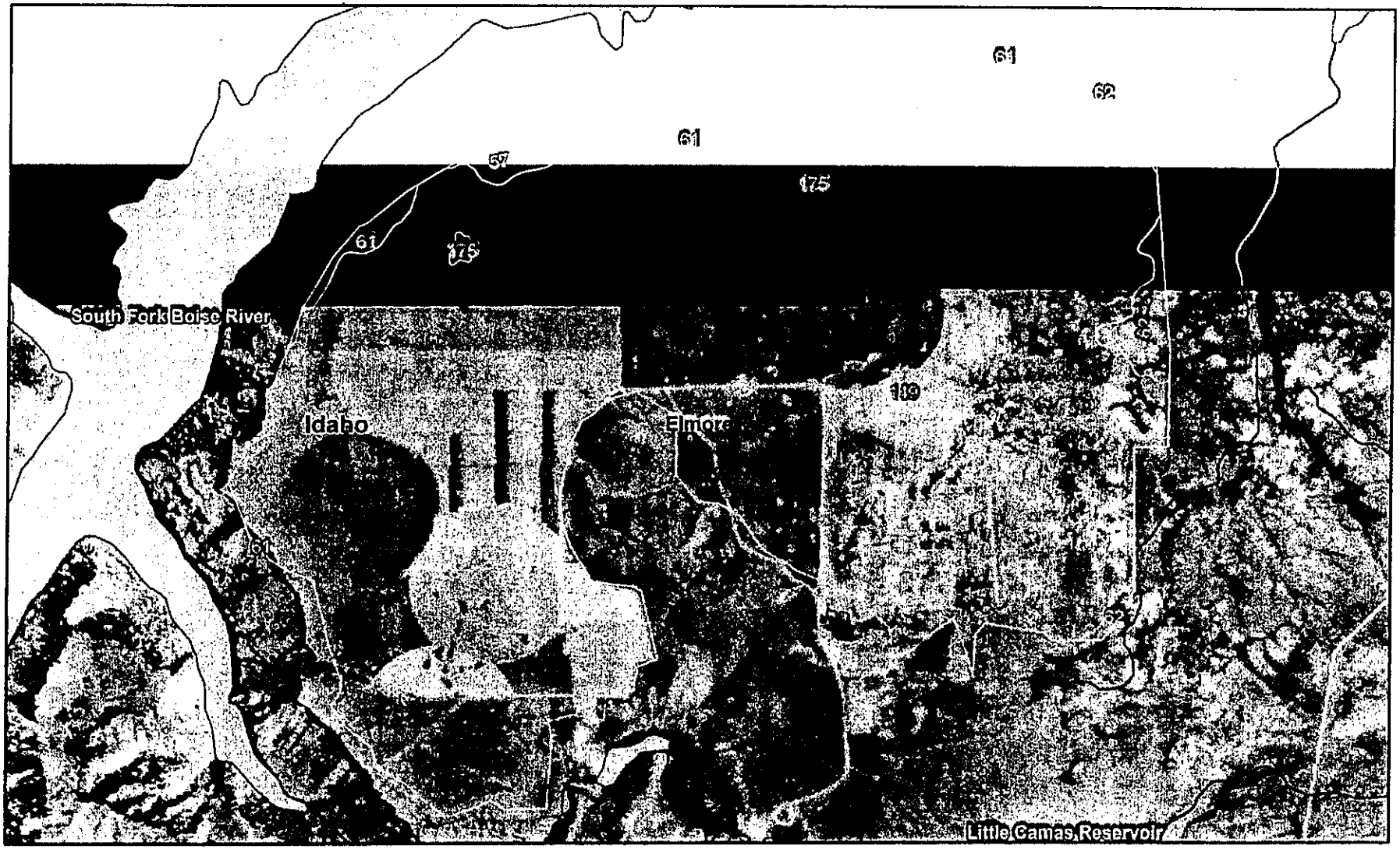

61
62
61
57
175
61
175
South Fork Boise River
Idaho
Elmore
189
62
Little Camas Reservoir
Meters
0 300 600 1,200
Feet
0 1,000 2,000 4,000 6,000 8,000

MAP LEGEND

- Soil Map Units
- Cities
- Detailed Counties
- Detailed States
- Interstate Highways
- Roads
- Rails
- Water
- Hydrography
- Oceans
- Escarpment, bedrock
- Escarpment, non-bedrock
- Gulley
- Levee
- Slope
- Blowout
- Borrow Pit
- Clay Spot
- Depression, closed
- Eroded Spot
- Gravel Pit
- Gravelly Spot
- Gulley
- Lava Flow
- Landfill
- Marsh or Swamp
- Miscellaneous Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Slide or Slip
- Sinkhole
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Perennial Water
- Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov

Coordinate System: UTM Zone 11

Soil Survey Area: Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties
Spatial Version of Data: 3
Soil Map Compilation Scale: 1:24000

Map comprised of aerial images photographed on these dates:
7/6/1998; 8/20/1998

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
57	Elkcreek-Demast complex, 10 to 50 percent slopes	20.2	0.6
61	Gaib-Rubble land complex, 40 to 80 percent slopes	83.5	2.6
62	Gaib-Elkcreek-Rock outcrop association, 2 to 20 percent slopes	94.8	3.0
149	Simonton loam, 2 to 12 percent slopes	2,969.5	93.6
175	Water	4.9	0.2

Map Unit Description

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

57 Elkcreek-Demast complex, 10 to 50 percent slopes

Setting

Elevation: 4500 to 8000 feet
Mean annual precipitation: 14 to 28 inches
Mean annual air temperature: 38 to 41 degrees F
Frost-free period: 60 to 90 days

Composition

Elkcreek and similar soils: 40 percent
Demast and similar soils: 35 percent

Description of Elkcreek

Setting

Landform: Mountain slopes
Landform position (two-dimensional): Backslope, shoulder
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loess and/or alluvium over bedrock derived from volcanic rock

Properties and Qualities

Slope: 20 to 50 percent
Depth to restrictive feature: 20 to 40 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.0 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: LOAMY 12-16 ARTRV/FEID (R010AY004ID)

Typical Profile

0 to 4 inches: stony loam
4 to 10 inches: stony clay loam
10 to 22 inches: stony loam
22 to 32 inches: unweathered bedrock

Description of Demast

Setting

Landform: Mountain slopes
Landform position (two-dimensional): Footslope, shoulder, toeslope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Alluvium and/or colluvium over residuum over bedrock derived from basalt and/or volcanic rock

Properties and Qualities

Slope: 10 to 30 percent
Depth to restrictive feature: 40 to 60 inches to Lithic bedrock; 40 to 60 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.7 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: QUAKING ASPEN 20+ POTR5 (R010AY016ID)

Typical Profile

0 to 15 inches: loam
15 to 22 inches: gravelly loam
22 to 41 inches: cobbly loam
41 to 52 inches: weathered bedrock
52 to 62 inches: unweathered bedrock

61 Galb-Rubble land complex, 40 to 80 percent slopes

Setting

Elevation: 4500 to 6500 feet
Mean annual precipitation: 16 to 16 inches
Frost-free period: 75 to 75 days

Composition

Galb and similar soils: 45 percent
Rubble land: 40 percent

Description of Galb

Setting

Landform: Canyons
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Alluvium over bedrock derived from volcanic rock

Properties and Qualities

Slope: 40 to 80 percent
Depth to restrictive feature: 10 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.0 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: SOUTH SLOPE FRACTURED 12-16 AR (R010AY021ID)

Typical Profile

0 to 4 inches: very stony fine sandy loam
4 to 12 inches: very gravelly loam
12 to 22 inches: unweathered bedrock

Description of Rubble land

Properties and Qualities

Slope: 40 to 80 percent
Frequency of flooding: None
Frequency of ponding: None

Typical Profile

0 to 60 inches: fragmental material

Map Unit Description

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

62 Galb-Elkcreek-Rock outcrop association, 2 to 20 percent slopes

Setting

Elevation: 4500 to 6500 feet
Mean annual precipitation: 14 to 18 inches
Frost-free period: 60 to 90 days

Composition

Galb and similar soils: 40 percent
Elkcreek and similar soils: 30 percent
Rock outcrop: 15 percent

Description of Galb

Setting

Landform: Ridges, hillslopes
Landform position (two-dimensional): Backslope, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium over bedrock derived from volcanic rock

Properties and Qualities

Slope: 2 to 20 percent
Depth to restrictive feature: 10 to 20 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.0 inches)

Interpretive Groups

Land capability (non irrigated): 7s
Ecological site: SHALLOW STONY LOAM 8-16 ARAR8/ (R010AY007ID)

Typical Profile

0 to 4 inches: stony fine sandy loam
4 to 12 inches: very gravelly loam
12 to 22 inches: unweathered bedrock

Description of Elkcreek

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess and/or alluvium over bedrock derived from volcanic rock

Properties and Qualities

Slope: 2 to 20 percent
Depth to restrictive feature: 20 to 40 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.0 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: LOAMY 12-16 ARTRV/FEID (R010AY004ID)

Typical Profile

0 to 4 inches: stony loam

4 to 10 inches: stony clay loam
10 to 22 inches: stony loam
22 to 32 inches: unweathered bedrock

Description of Rock outcrop

Properties and Qualities

Slope: 2 to 20 percent
Depth to restrictive feature: 0 to 0 inches to Lithic bedrock
Frequency of flooding: None
Frequency of ponding: None

Typical Profile

0 to 60 inches: unweathered bedrock

149 Simonton loam, 2 to 12 percent slopes

Setting

Elevation: 4800 to 6200 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 39 to 45 degrees F
Frost-free period: 60 to 100 days

Composition

Simonton and similar soils: 75 percent

Description of Simonton

Setting

Landform: Hillslopes, terraces, lava plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or colluvium derived from igneous rock

Properties and Qualities

Slope: 2 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.3 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: LOAMY 12-16 ARTRV/FEID (R010AY004ID)

Typical Profile

0 to 4 inches: loam
4 to 42 inches: clay loam
42 to 60 inches: sandy loam

175 Water

Composition

Water: 100 percent

Description of Water

Map Unit Description

Detailed Soil Map Units

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. The contrasting components are mentioned in the map unit descriptions. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description indicates the composition of the map unit and selected properties of the components of the unit.

Soils that have profiles that are almost alike make up a "soil series." Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into "soil phases." Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A "complex" consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An "association" is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An "undifferentiated group" is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include "miscellaneous areas." Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Water Features

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*	*Ft*				
57:										
Elkcreek	C	High	Jan-Dec			—	—	None	—	None
Demast	B	High	Jan-Dec			—	—	None	—	None
61:										
Gaib	D	High	Jan-Dec			—	—	None	—	None
Rubble land	A	—	Jan-Dec			—	—	None	—	None
62:										
Gaib	D	Medium	Jan-Dec			—	—	None	—	None
Elkcreek	C	Medium	Jan-Dec			—	—	None	—	None
Rock outcrop	D	—	Jan-Dec			—	—	None	—	None
149:										
Simonton	B	Medium	Jan-Dec			—	—	None	—	None
175:										
Water	—	—	Jan-Dec			—	—	None	—	None

Water Features

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

"Hydrologic soil groups" are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

"Surface runoff" refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates relative runoff for very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are negligible, very low, low, medium, high, and very high.

The "months" in the table indicate the portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

"Water table" refers to a saturated zone in the soil. The water features table indicates, by month, depth to the top ("upper limit") and base ("lower limit") of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

"Ponding" is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates "surface water depth" and the "duration" and "frequency" of ponding. Duration is expressed as "very brief" if less than 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and "very long" if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. "None" means that ponding is not probable; "rare" that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); "occasional" that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and "frequent" that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

"Flooding" is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

"Duration" and "frequency" are estimated. Duration is expressed as "extremely brief" if 0.1 hour to 4 hours, "very brief" if 4 hours to 2 days, "brief" if 2 to 7 days, "long" if 7 to 30 days, and "very long" if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. "None" means that flooding is not probable; "very rare" that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); "rare" that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); "occasional" that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); "frequent" that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and "very frequent" that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Water Features

This report shows only the major soils in each map unit. Others may exist.

Soil Features

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	*In*		*In*	*In*			
57:									
Elkcreek	Lithic bedrock	20-40	—	Indurated	0	—	Moderate	Moderate	Low
Demast	Paralithic bedrock	40-60	0-12	Moderately cemented	0	—	Moderate	Moderate	Moderate
	Lithic bedrock	40-60	—	Indurated					
61:									
Gaib	Lithic bedrock	10-20	—	Indurated	0	—	Moderate	Moderate	Moderate
Rubble land	—	—	—	—	0	—	—	—	—
62:									
Gaib	Lithic bedrock	10-20	—	Indurated	0	—	Moderate	Moderate	Moderate
Elkcreek	Lithic bedrock	20-40	—	Indurated	0	—	Moderate	Moderate	Low
Rockoutcrop	Lithic bedrock	0	—	Indurated	0	—	—	—	—
149:									
Simonton	—	—	—	—	0	—	Moderate	Moderate	Moderate
175:									
Water	—	—	—	—	—	—	—	—	—

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. "Depth to top" is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

"Subsidence" is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

"Potential for frost action" is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

"Risk of corrosion" pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as "low," "moderate," or "high," is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as "low," "moderate," or "high." It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Physical Soil Properties

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
57:														
Elkcreek	0-4	—	—	15-25	1.50-1.60	4.00-14.11	0.12-0.15	0.0-2.9	1.0-3.0	.20	.28	2	7	38
	4-10	—	—	28-35	1.40-1.55	1.41-4.23	0.11-0.14	3.0-5.9	1.0-2.0	.20	.32			
	10-22	—	—	20-25	1.50-1.60	4.00-14.11	0.12-0.15	0.0-2.9	0.0-0.5	.20	.28			
	22-32	—	—	—	—	—	—	—	—	—	—			
Demast	0-15	—	—	18-25	1.20-1.40	4.00-14.11	0.11-0.18	0.0-2.9	2.0-4.0	.24	.24	4	6	48
	15-22	—	—	18-25	1.30-1.45	4.00-14.11	0.11-0.13	0.0-2.9	1.0-2.0	.24	.37			
	22-41	—	—	22-30	1.30-1.45	1.41-4.23	0.13-0.15	3.0-5.9	0.5-2.0	.20	.43			
	41-52	—	—	—	—	—	—	—	—	—	—			
	52-62	—	—	—	—	—	—	—	—	—	—			
61:														
Galb	0-4	—	—	8-15	1.50-1.65	14.11-42.34	0.06-0.10	0.0-2.9	1.0-3.0	.17	.37	1	6	48
	4-12	—	—	15-25	1.60-1.70	4.00-14.11	0.07-0.10	0.0-2.9	0.5-1.0	.28	.37			
	12-22	—	—	—	—	—	—	—	—	—	—			
Rubble land	0-60	—	—	—	—	—	—	—	—	—	—	—	—	—
62:														
Galb	0-4	—	—	8-15	1.50-1.65	14.11-42.34	0.06-0.10	0.0-2.9	1.0-3.0	.17	.37	1	5	56
	4-12	—	—	15-25	1.60-1.70	4.00-14.11	0.07-0.10	0.0-2.9	0.5-1.0	.28	.37			
	12-22	—	—	—	—	—	—	—	—	—	—			
Elkcreek	0-4	—	—	15-25	1.50-1.60	4.00-14.11	0.12-0.15	0.0-2.9	1.0-3.0	.20	.28	2	7	38
	4-10	—	—	28-35	1.40-1.55	1.41-4.23	0.11-0.14	3.0-5.9	1.0-2.0	.20	.32			
	10-22	—	—	20-25	1.50-1.60	4.00-14.11	0.12-0.15	0.0-2.9	0.0-0.5	.20	.28			
	22-32	—	—	—	—	—	—	—	—	—	—			

Physical Soil Properties

Elmore Area, Idaho, Parts of Elmore, Owyhee and Ada Counties

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
62:														
Rock outcrop	0-60	—	—	—	—	—	—	—	—	—	—	—	—	—
149:														
Simonton	0-4	—	—	10-20	1.25-1.40	4.00-14.11	0.16-0.18	0.0-2.9	1.0-2.0	.28	.32	5	5	56
	4-42	—	—	18-32	1.35-1.55	1.41-4.23	0.14-0.21	3.0-5.9	0.5-1.0	.37	.43			
	42-60	—	—	5-10	1.45-1.65	14.11-42.34	0.06-0.13	0.0-2.9	0.0-0.5	.20	.24			
175:														
Water	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Physical Soil Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

"Depth" to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

"Sand" as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

"Silt" as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

"Clay" as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

"Moist bulk density" is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

"Saturated hydraulic conductivity (Ksat)" refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

"Available water capacity" refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

"Linear extensibility" refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

"Organic matter" is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of organic matter in a soil can be maintained by returning crop residue to the soil. Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Physical Soil Properties

"Erosion factors" are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

"Erosion factor Kw" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

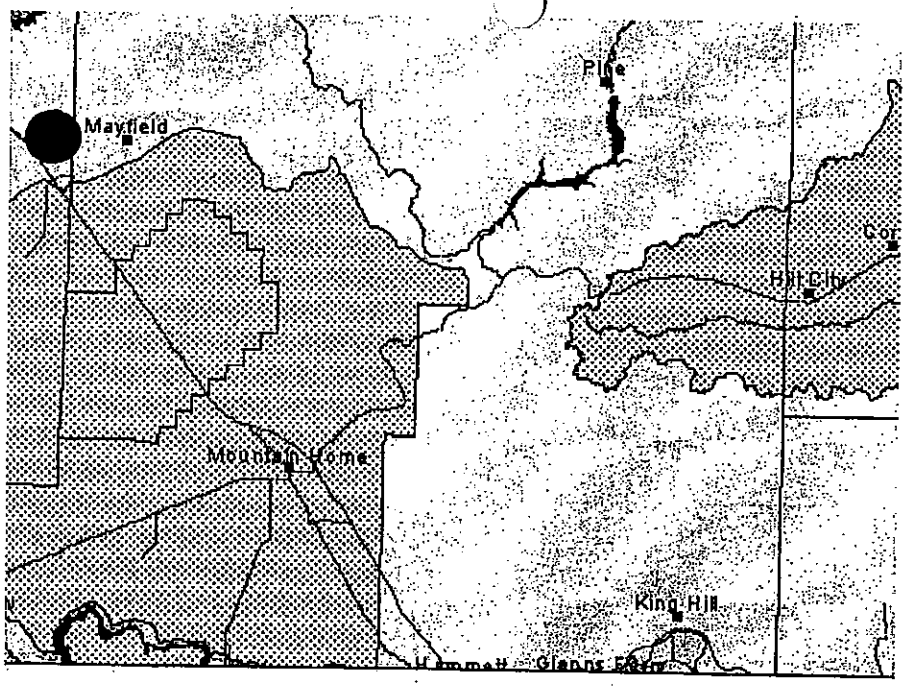
"Erosion factor Kf" indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

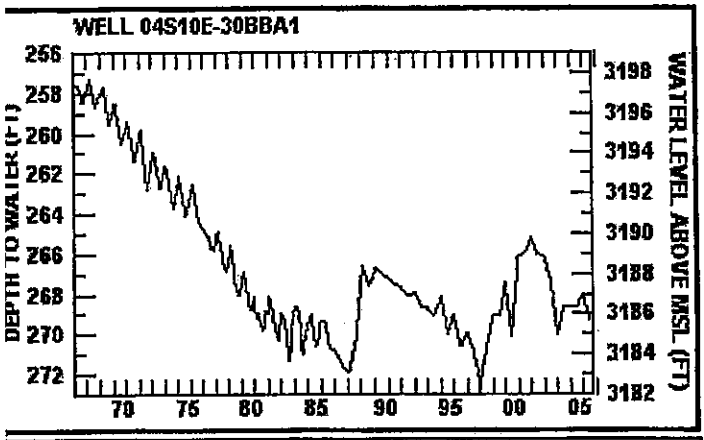
"Erosion factor T" is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

"Wind erodibility groups" are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

"Wind erodibility index" is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://www.soils.usda.gov)

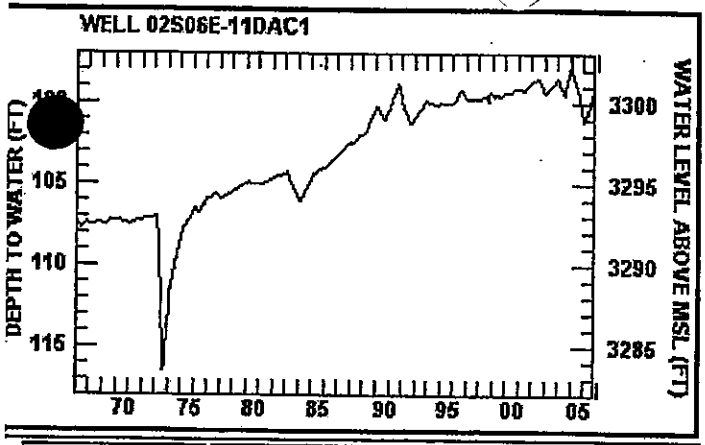

Mayfield
Pine
Hill City
Mountain Home
King Hill



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
2/3/1967	257.7		USGS
4/24/1967	257.6		USGS
9/22/1967	258.5		USGS
3/23/1968	257.3		USGS
9/9/1968	258.6		USGS
4/11/1969	257.7		USGS
9/18/1969	259.6		USGS
3/9/1970	258.5		USGS
9/14/1970	260.5		USGS
3/16/1971	259.4		USGS
9/16/1971	261.4		USGS
3/14/1972	259.8		USGS
9/14/1972	262.8		USGS
3/19/1973	260.9		USGS
9/22/1973	262.7		USGS
3/2/1974	261.6		USGS
9/23/1974	263.7		USGS
3/16/1975	262.2		USGS
9/23/1975	264.1		USGS
3/28/1976	262.6		USGS
9/21/1976	264.4		USGS
3/7/1977	264.8		USGS
6/27/1977	265.2		USGS
7/9/1977	265.1		USGS
8/18/1977	265.5		USGS
9/7/1977	265.7		USGS
9/12/1977	265.5		USGS
12/12/1977	265.8		USGS
3/24/1978	264.9		USGS
9/11/1978	266.6		USGS
11/20/1978	266.8		USGS
1/15/1979	266.6		USGS
3/27/1979	265.6		USGS
5/22/1979	266.2		USGS
7/16/1979	267.3		USGS
9/18/1979	267.8		USGS
11/14/1979	268.1		USGS
1/20/1980	267.7		USGS

4/1/1980	266.9		USGS
5/21/1980	267.2		USGS
7/22/1980	268.1		USGS
[illegible]/12/1980	268.4		USGS
9/12/1980	268.7		USGS
11/12/1980	268.8		USGS
1/5/1981	268.1		USGS
3/9/1981	269.2		USGS
4/27/1981	268.9		USGS
6/8/1981	269.3		USGS
7/28/1981	269.6		USGS
9/21/1981	269.8		USGS
11/19/1981	268.8		USGS
1/20/1982	269		USGS
3/15/1982	268.1		USGS
5/11/1982	268.6		USGS
7/15/1982	269.5		USGS
9/14/1982	270		USGS
11/22/1982	270.3		USGS
1/17/1983	268.9		USGS
3/22/1983	269.1		USGS
5/24/1983	269.4		USGS
7/25/1983	270.4		USGS
9/20/1983	271.3		USGS
[illegible]/22/1983	269.6		USGS
[illegible]25/1984	268.8		USGS
3/22/1984	268.6		USGS
5/22/1984	268.8		USGS
7/16/1984	269.5		USGS
9/17/1984	271		USGS
11/27/1984	269.9		USGS
1/29/1985	269.7		USGS
3/18/1985	269.2		USGS
5/14/1985	269		USGS
7/23/1985	270.2		USGS
9/12/1985	270.6		USGS
11/21/1985	270.4		USGS
1/27/1986	269.4		USGS
3/25/1986	269.4		USGS
5/28/1986	269.4		USGS
9/24/1986	270.7		USGS
3/12/1987	270.8		USGS
9/17/1987	271.6		USGS
3/17/1988	271.9		USGS
9/20/1988	270.3		USGS
3/24/1989	266.6		USGS
9/26/1989	267.6		USGS
[illegible]8/1990	266.7		USGS
9/19/1990	267		USGS
3/7/1991	267.2		USGS
9/20/1991	267.5		USGS
3/12/1992	267.7		USGS
9/18/1992	268.1		USGS

3/9/1993	267.9		USGS
9/15/1993	268.6		USGS
3/14/1994	268.7		USGS
9/8/1994	269.1		USGS
3/23/1995	268.1		USGS
9/19/1995	270		USGS
3/5/1996	269		USGS
9/17/1996	270.6		USGS
3/4/1997	269.9		USGS
9/8/1997	270.8		USGS
3/12/1998	272.4		USGS
9/16/1998	270.5		USGS
3/11/1999	269.1		USGS
9/24/1999	269.1		USGS
3/7/2000	267.4		USGS
9/6/2000	270.1		USGS
3/20/2001	266.2		USGS
10/22/2001	265.9		USGS
3/25/2002	265.2		USGS
9/4/2002	266		USGS
3/24/2003	266.2		USGS
9/22/2003	267.3		USGS
3/22/2004	270		USGS
9/22/2004	268.6		USGS
3/28/2005	268.6		USGS
9/22/2005	268.7		USGS
3/21/2006	268		USGS
9/27/2006	269.3		USGS



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
3/3/1967	107.5		USGS
4/24/1967	107.7		USGS
9/21/1967	107.4		USGS
3/23/1968	107.5		USGS
9/9/1968	107.4		USGS
4/14/1969	107.5		USGS
9/18/1969	107.2		USGS
3/11/1970	107.2		USGS
9/14/1970	107.4		USGS
3/17/1971	107.5		USGS
[illegible]/14/1971	107.2		USGS
[illegible]3/1972	107.2		USGS
9/12/1972	107.1		USGS
3/19/1973	107		USGS
9/12/1973	116.6		USGS
3/5/1974	111.6		USGS
9/9/1974	109.5		USGS
3/3/1975	107.8		USGS
9/18/1975	107.2		USGS
3/3/1976	106.4		USGS
3/29/1976	106.6		USGS
4/21/1976	106.6		USGS
5/26/1976	106.7		USGS
6/23/1976	106.7		USGS
7/23/1976	106.6		USGS
8/31/1976	106.4		USGS
9/28/1976	106.2		USGS
10/26/1976	106.2		USGS
11/29/1976	106.2		USGS
12/29/1976	105.9		USGS
3/18/1977	105.9		USGS
9/19/1977	105.6		USGS
[illegible]/14/1978	105.9		USGS
[illegible]0/1979	105.4		USGS
3/21/1980	104.9		USGS
8/8/1980	105		USGS
3/24/1981	105		USGS
3/16/1982	104.6		USGS

3/22/1983	104.3		USGS
5/24/1983	104.7		USGS
3/21/1984	106.1		USGS
3/19/1985	104.4		USGS
3/24/1986	103.9		USGS
3/27/1987	103.1		USGS
3/8/1988	102.4		USGS
4/5/1988	102.6		IDWR
10/27/1988	102		IDWR
3/31/1989	101.9		IDWR
11/6/1989	100.8		IDWR
4/9/1990	100.2		IDWR
10/31/1990	101.1		IDWR
12/5/1991	98.8		IDWR
4/30/1992	100.3		IDWR
11/11/1992	101.3		IDWR
2/17/1994	99.9		IDWR
11/4/1994	100.1		IDWR
10/27/1995	100		IDWR
3/20/1996	100		IDWR
11/8/1996	99.2		IDWR
3/26/1997	99.8		IDWR
10/23/1997	99.7		IDWR
4/22/1998	99.7		IDWR
6/23/1998	99.7		IDWR
7/23/1998	99.6		IDWR
8/20/1998	99.6		IDWR
9/30/1998	99.6		IDWR
10/20/1998	99.7		IDWR
11/18/1998	99.5		IDWR
12/15/1998	99.9		IDWR
1/21/1999	99.4		IDWR
2/19/1999	99.4		IDWR
3/24/1999	99.5		IDWR
4/20/1999	99.5		IDWR
5/26/1999	99.7		IDWR
6/18/1999	99.5		IDWR
9/10/1999	99.4		IDWR
10/21/1999	99.7		IDWR
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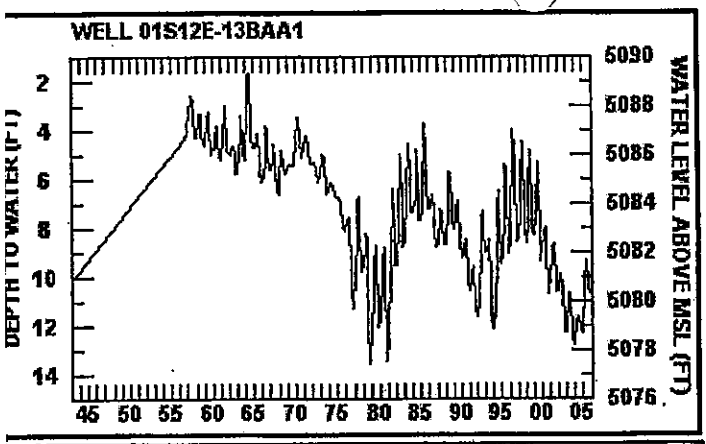
6/5/2001	99.1		IDWR
8/16/2001	99.3		IDWR
11/13/2001	99		IDWR
1/30/2002	98.8		IDWR
10/17/2002	98.5		IDWR
4/17/2003	99.4		IDWR
11/5/2003	98.9		IDWR
3/30/2004	98.5		IDWR
10/6/2004	99.5		IDWR

3/24/2005	97.8		IDWR
11/4/2005	99.3		IDWR
4/7/2006	101.2		IDWR
12/6/2006	99.4		IDWR



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
7/14/1944	9.9		USGS
9/12/1957	4.3		USGS
5/15/1958	2.6		USGS
6/27/1958	2.7		USGS
8/28/1958	3.6		USGS
10/31/1958	4.2		USGS
12/31/1958	4.3		USGS
2/27/1959	4.2		USGS
4/26/1959	3.3		USGS
6/25/1959	3.3		USGS
8/28/1959	4.3		USGS
10/27/1959	4.4		USGS
12/18/1959	4.6		USGS
4/29/1960	3.6		USGS
6/24/1960	3.2		USGS
8/24/1960	4.2		USGS
9/23/1960	4.9		USGS
10/28/1960	4.8		USGS
12/17/1960	4.7		USGS
2/25/1961	4.8		USGS
3/27/1961	4.6		USGS
6/16/1961	3.8		USGS
8/26/1961	4.8		USGS
9/23/1961	.5		USGS
10/22/1961	5.1		USGS
12/19/1961	5.2		USGS
4/17/1962	4.1		USGS
6/24/1962	3		USGS
8/27/1962	4.2		USGS
9/20/1962	4.6		USGS
10/23/1962	4.9		USGS
12/16/1962	4.9		USGS
3/3/1963	5		USGS
3/30/1963	4.9		USGS
4/28/1963	4.7		USGS
6/23/1963	4.7		USGS
8/21/1963	4.8		USGS
9/20/1963	5.7		USGS

10/21/1963	5.8		USGS
12/22/1963	5.6		USGS
4/27/1964	4.5		USGS
/21/1964	3.4		USGS
8/17/1964	4.5		USGS
9/19/1964	5		USGS
12/20/1964	5.2		USGS
2/28/1965	2.1		USGS
4/3/1965	1.8		USGS
4/26/1965	1.6		USGS
6/19/1965	2.4		USGS
8/14/1965	3.6		USGS
9/18/1965	4.2		USGS
10/23/1965	4.6		USGS
12/18/1965	4.7		USGS
2/28/1966	4.7		USGS
3/25/1966	4.6		USGS
4/26/1966	4.1		USGS
6/18/1966	4.4		USGS
9/17/1966	5.8		USGS
10/28/1966	6.1		USGS
12/17/1966	6		USGS
3/25/1967	5.7		USGS
4/22/1967	4.8		USGS
6/19/1967	3.8		USGS
11/1967	4.6		USGS
9/21/1967	5.3		USGS
10/21/1967	5.6		USGS
3/1/1968	5.6		USGS
3/30/1968	5		USGS
4/27/1968	4.6		USGS
6/22/1968	4.9		USGS
8/16/1968	5.8		USGS
9/20/1968	6.2		USGS
10/18/1968	6.4		USGS
12/17/1968	6.6		USGS
4/24/1969	4.8		USGS
9/26/1969	5.8		USGS
3/28/1970	5.4		USGS
9/26/1970	5.4		USGS
3/27/1971	3.5		USGS
9/20/1971	5.1		USGS
3/20/1972	4.2		USGS
9/18/1972	5.3		USGS
3/17/1973	5.3		USGS
9/17/1973	6.1		USGS
4/4/1974	5		USGS
17/1974	6.6		USGS
3/11/1975	6.1		USGS
9/22/1975	6.7		USGS
3/23/1976	6.8		USGS
9/27/1976	8.1		USGS
12/15/1976	7.9		USGS

1/20/1977	7.7	USGS
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3/10/1977	7.6	USGS
4/14/1977	7.6	USGS
5/11/1977	7.7	USGS
6/16/1977	8.8	USGS
7/14/1977	9.6	USGS
8/16/1977	10.5	USGS
9/9/1977	11	USGS
9/19/1977	11.2	USGS
9/30/1977	11.3	USGS
10/11/1977	11.3	USGS
10/13/1977	11.2	USGS
11/10/1977	11	USGS
12/13/1977	10.4	USGS
1/16/1978	9.8	USGS
2/13/1978	9.4	USGS
3/15/1978	9.1	USGS
4/17/1978	8.4	USGS
5/22/1978	6.9	USGS
6/12/1978	6.7	USGS
7/14/1978	7.3	USGS
8/14/1978	8.5	USGS
9/21/1978	9.7	USGS
10/23/1978	9.8	USGS
11/13/1978	9.7	USGS
12/20/1978	9.5	USGS
1/22/1979	9.3	USGS
2/27/1979	9.1	USGS
3/16/1979	9	USGS
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5/14/1979	8.2	USGS
6/19/1979	8.6	USGS
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10/23/1979	13.2	USGS
11/20/1979	12.8	USGS
12/18/1979	12.4	USGS
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7/8/1980	8.7	USGS
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9/12/1980	12	USGS
11/3/1980	11.9	USGS
12/15/1980	11.3	USGS
1/29/1981	10.8	USGS
2/24/1981	10.6	USGS
3/24/1981	10.2	USGS
4/21/1981	9.3	USGS
5/18/1981	8.8	USGS

6/22/1981	8.9		USGS
7/20/1981	10.6		USGS
8/25/1981	13		USGS
/15/1981	13.4		USGS
10/26/1981	13		USGS
11/16/1981	12.6		USGS
12/14/1981	12.1		USGS
1/16/1982	11.2		USGS
3/22/1982	9.6		USGS
4/30/1982	7.6		USGS
5/12/1982	6.4		USGS
7/19/1982	6.9		USGS
9/20/1982	9.5		USGS
11/15/1982	9.5		USGS
1/17/1983	8.5		USGS
3/14/1983	7.8		USGS
5/9/1983	5		USGS
7/18/1983	6.3		USGS
9/12/1983	8.8		USGS
11/14/1983	8.4		USGS
1/9/1984	7.5		USGS
5/7/1984	4.6		USGS
7/23/1984	5.4		USGS
9/16/1984	7.4		USGS
11/26/1984	7.3		USGS
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7/22/1985	6.5		USGS
9/16/1985	7.7		USGS
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1/6/1986	7.3		USGS
3/18/1986	5.3		USGS
5/16/1986	3.7		USGS
7/22/1986	5.4		USGS
9/17/1986	7		USGS
11/21/1986	7.2		USGS
1/13/1987	7.2		USGS
3/26/1987	6.8		USGS
5/13/1987	6.6		USGS
7/22/1987	7.8		USGS
9/24/1987	8.8		USGS
11/19/1987	8.7		USGS
1/6/1988	8.5		USGS
3/30/1988	7.6		USGS
5/12/1988	7.2		USGS
7/20/1988	7.8		USGS
20/1988	8.6		USGS
11/18/1988	8.7		USGS
1/26/1989	8.4		USGS
5/12/1989	5.7		USGS
7/17/1989	5.9		USGS
9/14/1989	7.6		USGS

11/28/1989	8	USGS
1/11/1990	8	USGS
5/22/1990	6.9	USGS
7/23/1990	7.6	USGS
9/5/1990	8.5	USGS
12/4/1990	9.2	USGS
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2/25/1991	9.1	USGS
5/1/1991	8.5	USGS
5/29/1991	8.5	USGS
7/10/1991	9	USGS
9/5/1991	10	USGS
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1/6/1992	10.4	USGS
4/1/1992	9.7	USGS
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1/10/1994	8.9	USGS
3/14/1994	8.8	USGS
5/16/1994	8.5	USGS
7/14/1994	9.9	USGS
9/19/1994	12	USGS
10/31/1994	12.1	USGS
1/30/1995	11.2	USGS
3/8/1995	10.6	USGS
5/17/1995	7	USGS
7/5/1995	6.5	USGS
9/19/1995	9	USGS
11/13/1995	9.4	USGS
1/12/1996	9	USGS
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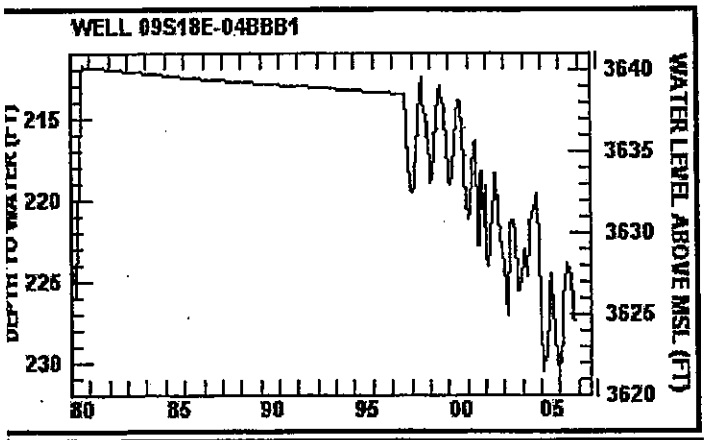
7/10/1996	5.5	USGS
9/25/1996	8.8	USGS
11/20/1996	9	USGS
1/9/1997	7.8	USGS
3/26/1997	5.4	USGS
5/8/1997	4	USGS
9/22/1997	8.1	USGS
11/10/1997	8.5	USGS
1/20/1998	8.1	USGS
4/6/1998	7.4	USGS
5/19/1998	4.9	USGS

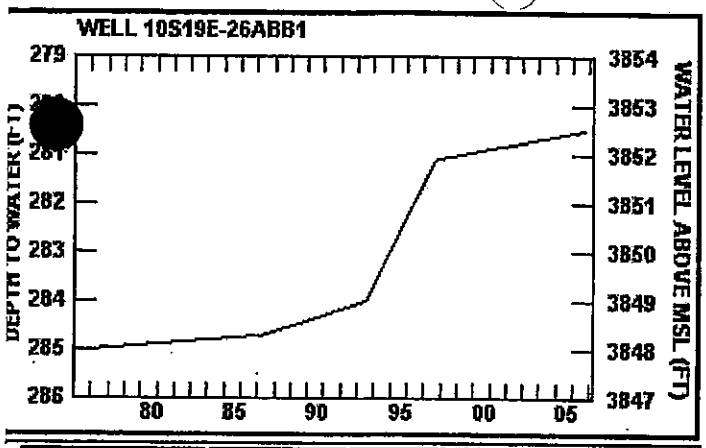
6/29/1998	4.5		USGS
9/17/1998	7.5		USGS
11/24/1998	8.6		USGS
2/5/1999	8.5		USGS
4/2/1999	7.5		USGS
5/19/1999	4.8		USGS
7/27/1999	6.1		USGS
9/7/1999	8		USGS
11/29/1999	8.3		USGS
1/18/2000	7.9		USGS
2/29/2000	7.6		USGS
5/31/2000	5.3		USGS
7/18/2000	7.2		USGS
8/31/2000	9.3		USGS
4/18/2001	8		USGS
8/27/2001	10.7		USGS
4/17/2002	8.6		USGS
9/26/2002	10.6		USGS
3/4/2003	9.9		USGS
9/18/2003	12.3		USGS
3/24/2004	10.6		USGS
9/20/2004	12.8		USGS
3/21/2005	11.6		USGS
9/27/2005	12.3		USGS
3/24/2006	9.3		USGS
9/13/2006	10.7		USGS



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
3/18/1980	225.9		USGS
8/9/1980	211.8		USGS
3/25/1987	212.6		USGS
11/12/1997	213.5		Consultant
12/10/1997	216.7		Consultant
1/22/1998	216.8		Consultant
2/18/1998	219		Consultant
3/18/1998	219.4		Consultant
4/15/1998	219.5		Consultant
5/19/1998	218.9		Consultant
6/17/1998	216.9		Consultant
7/17/1998	216		Consultant
8/20/1998	214.2		Consultant
9/16/1998	213.1		Consultant
10/14/1998	212.5		Consultant
11/11/1998	214.1		Consultant
12/17/1998	214.5		Consultant
1/21/1999	216.2		Consultant
2/18/1999	215.3		Consultant
3/18/1999	217.9		Consultant
4/17/1999	218.9		Consultant
5/19/1999	218.1		Consultant
6/16/1999	216.5		Consultant
7/16/1999	215.6		Consultant
8/19/1999	214.1		Consultant
9/29/1999	213		Consultant
10/14/1999	213.5		Consultant
12/16/1999	214.1		Consultant
1/20/2000	215.6		Consultant
2/17/2000	217		Consultant
3/15/2000	218.2		Consultant
4/12/2000	219.1		Consultant
5/17/2000	218.7		Consultant
6/14/2000	217.9		Consultant
7/18/2000	216.2		Consultant
8/22/2000	215		Consultant
9/20/2000	214.1		Consultant
10/23/2000	213.8		Consultant

11/16/2000	214.2		Consultant
12/19/2000	215.9		Consultant
[redacted]/24/2001	217.6		Consultant
[redacted]/22/2001	219.4		Consultant
3/15/2001	220.3		USGS
4/24/2001	221.2		Consultant
5/22/2001	220.5		Consultant
6/21/2001	219		Consultant
7/16/2001	217.7		Consultant
8/22/2001	216.6		Consultant
9/26/2001	216.3		Consultant
10/24/2001	221.5		Consultant
11/20/2001	222.8		Consultant
12/19/2001	218.5		Consultant
1/14/2002	218.2		Consultant
2/20/2002	221.7		Consultant
3/27/2002	219.1		Consultant
4/22/2002	223.6		Consultant
5/22/2002	224		Consultant
6/19/2002	223		Consultant
7/16/2002	221.4		Consultant
8/22/2002	220.3		Consultant
9/19/2002	218.3		Consultant
10/16/2002	218.3		Consultant
[redacted]/17/2002	221.5		Consultant
[redacted]5/2003	222.1		Consultant
2/25/2003	223.4		Consultant
3/20/2003	223.8		Consultant
4/14/2003	224.4		Consultant
5/20/2003	226.3		Consultant
6/18/2003	227		Consultant
7/17/2003	222.5		Consultant
8/13/2003	221.3		Consultant
9/24/2003	221.2		Consultant
10/24/2003	221.3		Consultant
11/21/2003	222.4		Consultant
1/20/2004	225.6		Consultant
3/19/2004	224.8		Consultant
5/19/2004	223		Consultant
7/14/2004	224.6		Consultant
9/14/2004	221		Consultant
11/17/2004	220.5		Consultant
1/18/2005	219.6		Consultant
3/14/2005	222.9		Consultant
5/25/2005	230.5		Consultant
6/21/2005	229.9		Consultant
8/15/2005	229.6		Consultant
[redacted]20/2005	224.4		Consultant
12/21/2005	227		Consultant
2/20/2006	229.4		Consultant
3/20/2006	230.2		Consultant
3/23/2006	230.8		IDWR
3/27/2006	230.7		IDWR

4/3/2006	230.9		IDWR
4/5/2006	230.5		IDWR
5/31/2006	229.5		Consultant
7/12/2006	225.7		Consultant
9/18/2006	223.9		Consultant
11/29/2006	224.6		Consultant
1/30/2007	227.4		Consultant



Measurement Date	Depth To Water (feet)	Site Status	Measuring Agency
10/12/1976	285		USGS
3/24/1987	284.7		USGS
5/26/1993	284		USGS
7/21/1997	281.1		USGS
7/24/2006	280.5		USGS

Statewide Groundwater Quality Monitoring Program

Station: 01S 08E 32CCD1S **Site ID:** 431712115321101

Well Characteristics

Legal: 01S 08E 32 SE SW SW
Latitude: 43° 17' 11" N
Longitude: 115° 32' 14" W
County: Elmore
Quad map: DANSKIN PEAK
Primary aquifer: IDAVADE VOLCANICS

Altitude: 4980 ft.
Well Depth: ft.
Depth to Water: ft.
Casing Depth: ft.
Depth to Aquifer: ft.
Water Use: Unused

Current Sampling Frequency: **Once Every 5 Years**

Sample years: 1993, 1997, and 2001.
The query returned 291 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
09/24/1993	Inorg & Field	Alkalinity	12	12	mg/L
09/24/1993	Inorg & Field	Ammonia	0.010	0.01	mg/L
09/24/1993	Inorg & Field	Arsenic	<1	BRL	ug/L
09/24/1993	Inorg & Field	Bicarbonate	15	15	mg/L
09/24/1993	Inorg & Field	Cadmium	<1.0	BRL	ug/L
09/24/1993	Inorg & Field	Calcium	3.1	3.1	mg/L
09/24/1993	Inorg & Field	Carbonate	0	0	mg/L
09/24/1993	Inorg & Field	Chloride	0.70	0.7	mg/L
09/24/1993	Inorg & Field	Chromium	<1	BRL	ug/L
09/24/1993	Inorg & Field	Copper	<1	BRL	ug/L
09/24/1993	Inorg & Field	Cyanide	<0.01	BRL	mg/L
09/24/1993	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
09/24/1993	Inorg & Field	Fluoride	<0.10	BRL	mg/L
09/24/1993	Inorg & Field	Hardness	11	11	mg/L
09/24/1993	Inorg & Field	Iron	260	260	ug/L
09/24/1993	Inorg & Field	Lead	<1	BRL	ug/L
09/24/1993	Inorg & Field	Magnesium	0.78	0.78	mg/L
09/24/1993	Inorg & Field	Manganese	2	2	ug/L
09/24/1993	Inorg & Field	Mercury	<0.1	BRL	ug/L
09/24/1993	Inorg & Field	Nitrate	1.40	1.4	mg/L
09/24/1993	Inorg & Field	Nitrite	<0.010	BRL	mg/L
09/24/1993	Inorg & Field	pH	7.5	7.5	pH
09/24/1993	Inorg & Field	Phosphorus	<0.010	BRL	mg/L
09/24/1993	Inorg & Field	Potassium	1.2	1.2	mg/L
09/24/1993	Inorg & Field	Selenium	<1	BRL	ug/L
09/24/1993	Inorg & Field	Silica	27	27	mg/L
09/24/1993	Inorg & Field	Sodium	2.9	2.9	mg/L
09/24/1993	Inorg & Field	Solids	51	51	mg/L
09/24/1993	Inorg & Field	Specific Conductance	45	45	uS/cm
09/24/1993	Inorg & Field	Sulfate	1.7	1.7	mg/L
09/24/1993	Inorg & Field	Water Temperature	12.1	12.1	°C
09/24/1993	Inorg & Field	Zinc	<3	BRL	ug/L
09/24/1993	Pesticides (Immu)	2,4-D	BRL	BRL	ug/L
09/24/1993	Pesticides (Immu)	Alachlor	BRL	BRL	ug/L
09/24/1993	Pesticides (Immu)	Aldicarb	BRL	BRL	ug/L
09/24/1993	Pesticides (Immu)	Atrazine	BRL	BRL	ug/L
09/24/1993	Pesticides (Immu)	Carbofuran	BRL	BRL	ug/L

09/24/1993	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
09/24/1993	Radiochem	Alpha, Gross (as Americium)	4.9 ± 1.3	4.9 pCi/l
09/24/1993	Radiochem	Beta, Gross	7.3 ± 1	7.3 pCi/l
09/24/1993	VOCs	Benzene	<0.5	BRL ug/L
09/24/1993	VOCs	Bromobenzene	<0.5	BRL ug/L
09/24/1993	VOCs	Bromochloromethane	<0.5	BRL ug/L
09/24/1993	VOCs	Bromoform	<0.5	BRL ug/L
09/24/1993	VOCs	Bromomethane	<0.5	BRL ug/L
09/24/1993	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
09/24/1993	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
09/24/1993	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
09/24/1993	VOCs	Chlorobenzene	<0.5	BRL ug/L
09/24/1993	VOCs	Chloroethane	<0.5	BRL ug/L
09/24/1993	VOCs	Chloroform	<0.5	BRL ug/L
09/24/1993	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
09/24/1993	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
09/24/1993	VOCs	Dibromochloromethane	<0.5	BRL ug/L
09/24/1993	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
09/24/1993	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
09/24/1993	VOCs	Dibromomethane	<0.5	BRL ug/L
09/24/1993	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
09/24/1993	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
09/24/1993	VOCs	Dichloropropene,1,3 trans-	<0.5	BRL ug/L
09/24/1993	VOCs	Ethylbenzene	<0.5	BRL ug/L
09/24/1993	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
09/24/1993	VOCs	Isodurene	<0.5	BRL ug/L
09/24/1993	VOCs	Isopropylbenzene	<0.5	BRL ug/L
09/24/1993	VOCs	Methylene chloride	<0.5	BRL ug/L
09/24/1993	VOCs	Naphthalene	<0.5	BRL ug/L
09/24/1993	VOCs	Paraldehyde	<0.5	BRL ug/L
09/24/1993	VOCs	Styrene	<0.5	BRL ug/L
09/24/1993	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
09/24/1993	VOCs	Tetralin	<0.5	BRL ug/L
09/24/1993	VOCs	Toluene	<0.5	BRL ug/L
09/24/1993	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
09/24/1993	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
09/24/1993	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
09/24/1993	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
09/24/1993	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
09/24/1993	VOCs	Trichloroethylene	<0.5	BRL ug/L
09/24/1993	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
09/24/1993	VOCs	Trichloropropane	<0.5	BRL ug/L
09/24/1993	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
09/24/1993	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
09/24/1993	VOCs	Vinyl chloride	<0.5	BRL ug/L
09/24/1993	VOCs	Xylenes	<0.5	BRL ug/L
08/05/1997	Inorg & Field	Air Temperature	16	16 °C
08/05/1997	Inorg & Field	Alkalinity	12	12 mg/L
08/05/1997	Inorg & Field	Ammonia	0.017	0.017 mg/L
08/05/1997	Inorg & Field	Arsenic	<1	BRL ug/L

08/05/1997	Inorg & Field	Bicarbonate	15	15 mg/L
08/05/1997	Inorg & Field	Cadmium	<1.0	BRL ug/L
08/05/1997	Inorg & Field	Calcium	3.0	3 mg/L
08/05/1997	Inorg & Field	Carbonate	0	0 mg/L
08/05/1997	Inorg & Field	Chloride	0.88	0.88 mg/L
08/05/1997	Inorg & Field	Chromium	<1.0	BRL ug/L
08/05/1997	Inorg & Field	Copper	<1.0	BRL ug/L
08/05/1997	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml
08/05/1997	Inorg & Field	Fluoride	<0.10	BRL mg/L
08/05/1997	Inorg & Field	Hardness	10	10 mg/L
08/05/1997	Inorg & Field	Iron	48	48 ug/L
08/05/1997	Inorg & Field	Lead	<1.0	BRL ug/L
08/05/1997	Inorg & Field	Magnesium	0.72	0.72 mg/L
08/05/1997	Inorg & Field	Manganese	<1.0	BRL ug/L
08/05/1997	Inorg & Field	Nitrate	1.29	1.29 mg/L
08/05/1997	Inorg & Field	Nitrite	<0.010	BRL mg/L
08/05/1997	Inorg & Field	pH	5.7	5.7 pH
08/05/1997	Inorg & Field	Phosphorus	0.015	0.015 mg/L
08/05/1997	Inorg & Field	Potassium	1.1	1.1 mg/L
08/05/1997	Inorg & Field	Selenium	<1	BRL ug/L
08/05/1997	Inorg & Field	Silica	27	27 mg/L
08/05/1997	Inorg & Field	Sodium	2.9	2.9 mg/L
08/05/1997	Inorg & Field	Solids	51	51 mg/L
08/05/1997	Inorg & Field	Specific Conductance	42	42 uS/cm
08/05/1997	Inorg & Field	Sulfate	1.8	1.8 mg/L
08/05/1997	Inorg & Field	Water Temperature	11.2	11.2 °C
08/05/1997	Inorg & Field	Zinc	<3.0	BRL ug/L
08/05/1997	Pesticides (Immu)	2,4-D	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Aldicarb	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Cyanazine	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Metribuzin	BRL	BRL ug/L
08/05/1997	Pesticides (Immu)	Simazine	BRL	BRL ug/L
08/05/1997	Radiochem	Alpha, Gross (as Thorium)	5.4 ± 1.5	5.4 pCi/l
08/05/1997	Radiochem	Beta, Gross	6 ± 0.9	5.966 pCi/l
08/05/1997	VOCs	Benzene	<0.5	BRL ug/L
08/05/1997	VOCs	Bromobenzene	<0.5	BRL ug/L
08/05/1997	VOCs	Bromochloromethane	<0.5	BRL ug/L
08/05/1997	VOCs	Bromoform	<0.5	BRL ug/L
08/05/1997	VOCs	Bromomethane	<0.5	BRL ug/L
08/05/1997	VOCs	Butylbenzene, n-	<0.5	BRL ug/L
08/05/1997	VOCs	Butylbenzene, -sec	<0.5	BRL ug/L
08/05/1997	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
08/05/1997	VOCs	Chlorobenzene	<0.5	BRL ug/L
08/05/1997	VOCs	Chloroethane	<0.5	BRL ug/L
08/05/1997	VOCs	Chloroform	<0.5	BRL ug/L
08/05/1997	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
08/05/1997	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
08/05/1997	VOCs	Dibromochloromethane	<0.5	BRL ug/L
08/05/1997	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
08/05/1997	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
08/05/1997	VOCs	Dibromomethane	<0.5	BRL ug/L
08/05/1997	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
08/05/1997	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L

08/05/1997	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
08/05/1997	VOCs	Dichloropropene,1,3 cis-	<0.5	BRL ug/L
08/05/1997	VOCs	Ethylbenzene	<0.5	BRL ug/L
08/05/1997	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
08/05/1997	VOCs	Isodurene	<0.5	BRL ug/L
08/05/1997	VOCs	Isopropylbenzene	<0.5	BRL ug/L
08/05/1997	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
08/05/1997	VOCs	Methylene chloride	<0.5	BRL ug/L
08/05/1997	VOCs	Naphthalene	<0.5	BRL ug/L
08/05/1997	VOCs	Paraldehyde	<0.5	BRL ug/L
08/05/1997	VOCs	Styrene	<0.5	BRL ug/L
08/05/1997	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
08/05/1997	VOCs	Tetralin	<0.5	BRL ug/L
08/05/1997	VOCs	Toluene	<0.5	BRL ug/L
08/05/1997	VOCs	Toluene, 2-Isopropyl-	<0.5	BRL ug/L
08/05/1997	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
08/05/1997	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
08/05/1997	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
08/05/1997	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
08/05/1997	VOCs	Trichloroethylene	<0.5	BRL ug/L
08/05/1997	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
08/05/1997	VOCs	Trichloropropane	<0.5	BRL ug/L
08/05/1997	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
08/05/1997	VOCs	TRIMETHYLBENZENE,1,3,5-	<0.5	BRL ug/L
08/05/1997	VOCs	Vinyl chloride	<0.5	BRL ug/L
08/05/1997	VOCs	Xylenes	<0.5	BRL ug/L
08/01/2001	Inorg & Field	Air Temperature	29	29 °C
08/01/2001	Inorg & Field	Alkalinity	10	10 mg/L
08/01/2001	Inorg & Field	Ammonia	<0.04	BRL mg/L
08/01/2001	Inorg & Field	Arsenic	<0.2	BRL ug/L
08/01/2001	Inorg & Field	Barium	25.8	25.8 ug/L
08/01/2001	Inorg & Field	Bicarbonate	13	13 mg/L
08/01/2001	Inorg & Field	Cadmium	0.17	0.17 ug/L
08/01/2001	Inorg & Field	Calcium	2.77	2.77 mg/L
08/01/2001	Inorg & Field	Carbonate	0	0 mg/L
08/01/2001	Inorg & Field	Chloride	0.8	0.8 mg/L
08/01/2001	Inorg & Field	Fecal Coliform	<1	BRL col/100 ml
08/01/2001	Inorg & Field	Fluoride	<0.2	BRL mg/L
08/01/2001	Inorg & Field	Hardness	10	10 mg/L
08/01/2001	Inorg & Field	Iron	10	10 ug/L
08/01/2001	Inorg & Field	Magnesium	0.677	0.677 mg/L
08/01/2001	Inorg & Field	Manganese	<3	BRL ug/L
08/01/2001	Inorg & Field	Nitrate	1.19	1.19 mg/L
08/01/2001	Inorg & Field	Nitrite	<0.006	BRL mg/L
08/01/2001	Inorg & Field	pH	7	7 pH
08/01/2001	Inorg & Field	Phosphorus	<0.02	BRL mg/L
08/01/2001	Inorg & Field	Potassium	1.1	1.1 mg/L
08/01/2001	Inorg & Field	Selenium	<0.3	BRL ug/L
08/01/2001	Inorg & Field	Silica	25.1	25.1 mg/L
08/01/2001	Inorg & Field	Sodium	2.6	2.6 mg/L
08/01/2001	Inorg & Field	Solids	44	44 mg/l
08/01/2001	Inorg & Field	Specific Conductance	39	39 uS/cm
08/01/2001	Inorg & Field	Sulfate	1.6	1.6 mg/L
08/01/2001	Inorg & Field	Water Temperature	15.9	15.9 °C
08/01/2001	N Isotope	15N Enrichment	1.85	1.85 ‰
08/01/2001	Pesticides (Immu)	Alachlor	BRL	BRL ug/L
08/01/2001	Pesticides (Immu)	Aldicarb	BRL	BRL ug/L
08/01/2001	Pesticides (Immu)	Atrazine	BRL	BRL ug/L
08/01/2001	Pesticides (Immu)	Carbofuran	BRL	BRL ug/L
08/01/2001	Pesticides (Immu)	Metolachlor	BRL	BRL ug/L

08/01/2001	Pesticides (Immu)	Metribuzin	BRL	BRL ug/L
08/01/2001	VOCs	Benzene	<0.5	BRL ug/L
08/01/2001	VOCs	Bromobenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Bromochloromethane	<0.5	BRL ug/L
08/01/2001	VOCs	Bromoform	<0.5	BRL ug/L
08/01/2001	VOCs	Bromomethane	<0.5	BRL ug/L
08/01/2001	VOCs	Carbon Tetrachloride	<0.5	BRL ug/L
08/01/2001	VOCs	Chlorobenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Chloroethane	<0.5	BRL ug/L
08/01/2001	VOCs	Chloroform	<0.5	BRL ug/L
08/01/2001	VOCs	Chloromethane	<0.5	BRL ug/L
08/01/2001	VOCs	Chlorotoluene,-o	<0.5	BRL ug/L
08/01/2001	VOCs	Chlorotoluene-p	<0.5	BRL ug/L
08/01/2001	VOCs	Dibromochloromethane	<0.5	BRL ug/L
08/01/2001	VOCs	Dibromochloropropane (DBCP)	<0.5	BRL ug/L
08/01/2001	VOCs	Dibromoethane,1,2- (EDB)	<0.2	BRL ug/L
08/01/2001	VOCs	Dibromomethane	<0.5	BRL ug/L
08/01/2001	VOCs	Dichlorobenzene,1,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichlorobenzene,1,3-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichlorobenzene,1,4-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichlorobromomethane	<0.5	BRL ug/L
08/01/2001	VOCs	Dichlorodifluoromethane	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloroethane,1,1-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloroethane,1,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloroethene,1,1-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloroethene,1,2,cis-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloroethene,1,2,trans-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloropropane,1,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloropropane,1,3-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloropropane,2,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloropropene,1,1-	<0.5	BRL ug/L
08/01/2001	VOCs	Dichloropropene,e,z-1,3-	<0.5	BRL ug/L
08/01/2001	VOCs	Ethylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Hexachlorobutadiene	<0.5	BRL ug/L
08/01/2001	VOCs	Isopropylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Methyl tertiary butyl ether (MTBE)	<0.5	BRL ug/L
08/01/2001	VOCs	Methylene chloride	<0.5	BRL ug/L
08/01/2001	VOCs	Naphthalene	<0.5	BRL ug/L
08/01/2001	VOCs	n-Butylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	n-Propylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	sec-Butylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Styrene	<0.5	BRL ug/L
08/01/2001	VOCs	tert-Butylbenzene	<0.5	BRL ug/L
08/01/2001	VOCs	Tetrachloroethane,1,1,1,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Tetrachloroethane,1,1,2,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Tetrachloroethylene	<0.5	BRL ug/L
08/01/2001	VOCs	Toluene	<0.5	BRL ug/L
08/01/2001	VOCs	Toluene, 4-Isopropyl-	<0.5	BRL ug/L
08/01/2001	VOCs	Trichlorobenzene,1,2,3-	<0.5	BRL ug/L
08/01/2001	VOCs	Trichlorobenzene,1,2,4-	<0.5	BRL ug/L
08/01/2001	VOCs	Trichloroethane,1,1,1-	<0.5	BRL ug/L
08/01/2001	VOCs	Trichloroethane,1,1,2-	<0.5	BRL ug/L
08/01/2001	VOCs	Trichloroethylene	<0.5	BRL ug/L
08/01/2001	VOCs	Trichlorofluoromethane	<0.5	BRL ug/L
08/01/2001	VOCs	Trichloropropane,1,2,3-	<0.5	BRL ug/L
08/01/2001	VOCs	Trimethylbenzene,1,2,4-	<0.5	BRL ug/L
08/01/2001	VOCs	Trimethylbenzene,1,3,5-	<0.5	BRL ug/L
08/01/2001	VOCs	Vinyl chloride	<0.5	BRL ug/L
08/01/2001	VOCs	Xylenes	<0.5	BRL ug/L

Legend

Results Codes:

< below the laboratory reporting limit

Hardness Scale:

<75 mg/l soft

BRL	below the laboratory reporting limit	75-150 mg/l	moderately hard
ND	not detected	151-300 mg/l	hard
E	estimated	>300 mg/l	very hard
IN	indeterminate		

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

The data on these pages are maintained by The Water Quality group at the IDWR.

Idaho Department of Water Resources

322. E. Front Street
Boise, Idaho 83720-0098

Telephone: (208) 287-4800
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Idaho Department of Water Resources

Technical Services Bureau

Statewide Groundwater Quality Monitoring Program

Station: 01S 12E 31AAA1 **Site ID:** 431751115040001

Well Characteristics

Legal: 01S 12E 31 NE NE NE
Latitude: 43° 17' 50" N
Longitude: 115° 4' 3" W
County: Camas
Quad map: Hill City
Primary aquifer: SEDIMENTS

Altitude: 5090 ft.
Well Depth: 81 ft.
Depth to Water: 19 ft.
Casing Depth: 57.5 ft.
Depth to Aquifer: 48 ft.
Water Use: Domestic

Current Sampling Frequency: **Discontinued**

This well was sampled only in 1990.
The query returned 30 records.

Sample Date	Contents	Analyte	Reported Value	Numeric Value	Units
07/31/1990	Inorg & Field	Alkalinity	41	41	mg/L
07/31/1990	Inorg & Field	Ammonia	<0.010	BRL	mg/L
07/31/1990	Inorg & Field	Arsenic	<1	BRL	ug/L
07/31/1990	Inorg & Field	Bicarbonate	51	51	mg/L
07/31/1990	Inorg & Field	Cadmium	<1.0	BRL	ug/L
07/31/1990	Inorg & Field	Calcium	10	10	mg/L
07/31/1990	Inorg & Field	Carbonate	0	0	mg/L
07/31/1990	Inorg & Field	Chloride	2.9	2.9	mg/L
07/31/1990	Inorg & Field	Chromium	<1	BRL	ug/L
07/31/1990	Inorg & Field	Copper	6	6	ug/L
07/31/1990	Inorg & Field	Cyanide	<0.01	BRL	mg/L
07/31/1990	Inorg & Field	Fecal Coliform	<1	BRL	col/100 ml
07/31/1990	Inorg & Field	Fluoride	0.30	0.3	mg/L
07/31/1990	Inorg & Field	Hardness	33	33	mg/L
07/31/1990	Inorg & Field	Iron	11	11	ug/L
07/31/1990	Inorg & Field	Lead	<1	BRL	ug/L
07/31/1990	Inorg & Field	Magnesium	1.9	1.9	mg/L
07/31/1990	Inorg & Field	Manganese	3	3	ug/L
07/31/1990	Inorg & Field	Mercury	<0.1	BRL	ug/L
07/31/1990	Inorg & Field	Nitrate	1.9	1.9	mg/L
07/31/1990	Inorg & Field	pH	7.21	7.21	pH
07/31/1990	Inorg & Field	Phosphorus	0.050	0.05	mg/L
07/31/1990	Inorg & Field	Potassium	0.50	0.5	mg/L
07/31/1990	Inorg & Field	Selenium	<1	BRL	ug/L
07/31/1990	Inorg & Field	Silica	35	35	mg/L
07/31/1990	Inorg & Field	Sodium	8.8	8.8	mg/L
07/31/1990	Inorg & Field	Specific Conductance	106	106	uS/cm
07/31/1990	Inorg & Field	Sulfate	3.0	3	mg/L
07/31/1990	Inorg & Field	Water Temperature	11.4	11.4	°C
07/31/1990	Inorg & Field	Zinc	88	88	ug/L

Legend

Results Codes:

< below the laboratory reporting limit

Hardness Scale:

<75 mg/l soft

BRL	below the laboratory reporting limit	75-150 mg/l	moderately hard
ND	not detected	151-300 mg/l	hard
E	estimated	>300 mg/l	very hard
IN	indeterminate		

Unit Abbreviations:

ug/l	micrograms per liter (parts per billion)
mg/l	milligrams per liter (parts per million)
‰	parts per thousand
uS/cm	microSiemens per centimeter
pCi/l	picoCuries per liter
ft	feet
°C	degrees Celsius
col/100 ml	colonies per 100 milliliters

Miscellaneous:

IMMU	means Immunoassay (enzyme) testing.

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Idaho Department of Water Resources

322. E. Front Street
Boise, Idaho 83720-0098

Telephone: (208) 287-4800
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#
#
US Geological Survey
#
This file contains water quality sample data
for stations in the water quality database.
#
This information includes the following fields:
agency_cd - Agency Code
site_no - USGS site number
sample_dt - Date of sample
sample_tm - Time of sample
coll_ent_cd - Agency Collecting Sample Code
parameter_cd - Parameter Code
result_va - Value
remark_cd - Remark Code
meth_cd - Quality Assurance Method Code
anl_stat_cd - Analysis Stat Code
anl_src_cd - Analysis Source Code
hyd_cond_cd - Hydrologic Cond Code
samp_type_cd - Sample Type Code
hyd_event_cd - Hydrologic Event Code
medium_cd - Sample Medium Code
anl_ent_cd - Agency Analyzing Sample Code
#
Data for the following sites are included:
USGS 13190500 SF BOISE RIVER AT ANDERSON RANCH DAM ID
#
The following parameters are included:
00010 - Temperature, water, degrees Celsius
00020 - Temperature, air, degrees Celsius
00028 - Agency analyzing sample, code
00041 - Weather, World Meteorological Organization code
00061 - Discharge, instantaneous, cubic feet per second
00095 - Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
00400 - pH, water, unfiltered, field, standard units
00410 - Acid neutralizing capacity, water, unfiltered, fixed endpoint (pH 4.5) titration, field, milligrams per liter as calcium carbonate
00440 - Bicarbonate, water, unfiltered, fixed endpoint (pH 4.5) titration, field, milligrams per liter
00631 - Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen
00665 - Phosphorus, water, unfiltered, milligrams per liter
00900 - Hardness, water, milligrams per liter as calcium carbonate
00902 - Noncarbonate hardness, water, unfiltered, field, milligrams per liter as calcium carbonate
00915 - Calcium, water, filtered, milligrams per liter
00925 - Magnesium, water, filtered, milligrams per liter
00930 - Sodium, water, filtered, milligrams per liter
00931 - Sodium adsorption ratio, water, number
00932 - Sodium fraction of cations, water, percent in equivalents of major cations
00935 - Potassium, water, filtered, milligrams per liter
00940 - Chloride, water, filtered, milligrams per liter
00945 - Sulfate, water, filtered, milligrams per liter
00950 - Fluoride, water, filtered, milligrams per liter
00955 - Silica, water, filtered, milligrams per liter
70301 - Residue, water, filtered, sum of constituents, milligrams per liter
70302 - Residue, water, dissolved, tons per day
70303 - Residue, water, filtered, tons per acre-foot
#
Description of remark_cd column
< - Actual value is known to be less than the value shown.
> - Actual value is known to be greater than the value shown.
A - Average value
E - Estimated value
M - Presence of material verified but not quantified
N - Presumptive evidence of presence of material
S - Most probable value
U - Material specifically analyzed for but not detected
V - Value affected by contamination
#
#

agency_cd	site_no	sample_dt	sample_tm	coll_ent_cd	parameter_	result_va	remark_cd	meth_cd	anl_stat_cc	anl_src_cd	hyd_cond_	samp_type	hyd_event_	medium_cc	anl_ent_cd
5s	15s	10d	4d	8s	5s	12n	1s	5s	1s	1s	1s	1s	1s	1s	8s
USGS	13190500	3/21/1973	11:45		10	4				7 A	A		9	9	9
USGS	13190500	3/21/1973	11:45		20	9.6				7 A	A		9	9	9
USGS	13190500	3/21/1973	11:45		61	410				7 A	A		9	9	9
USGS	13190500	3/21/1973	11:45		95	83				7 A	A		9	9	9
USGS	13190500	4/20/1973	12:00		10	5				7 A	A		9	9	9
USGS	13190500	4/20/1973	12:00		20	12				7 A	A		9	9	9
USGS	13190500	4/20/1973	12:00		61	1550				7 A	A		9	9	9
USGS	13190500	4/20/1973	12:00		95	87				7 A	A		9	9	9
USGS	13190500	5/14/1973	14:25		10	6				7 A	A		9	9	9
USGS	13190500	5/14/1973	14:25		20	25.5				7 A	A		9	9	9
USGS	13190500	5/14/1973	14:25		61	712				7 A	A		9	9	9
USGS	13190500	5/14/1973	14:25		95	87				7 A	A		9	9	9
USGS	13190500	6/18/1973	11:36		10	6				7 A	A		9	9	9
USGS	13190500	6/18/1973	11:36		20	10.5				7 A	A		9	9	9
USGS	13190500	6/18/1973	11:36		61	1460				7 A	A		9	9	9
USGS	13190500	6/18/1973	11:36		95	86				7 A	A		9	9	9
USGS	13190500	7/24/1973	11:56		10	7				7 A	A		9	9	9

USGS	13190500	7/24/1973	11:56	20	26	7 A	A	9	9	9
USGS	13190500	7/24/1973	11:56	61	1440	7 A	A	9	9	9
USGS	13190500	7/24/1973	11:56	95	84	7 A	A	9	9	9
USGS	13190500	8/23/1973	13:11	10	9	7 A	A	9	9	9
USGS	13190500	8/23/1973	13:11	20	24.5	7 A	A	9	9	9
USGS	13190500	8/23/1973	13:11	61	1530	7 A	A	9	9	9
USGS	13190500	8/23/1973	13:11	95	80	7 A	A	9	9	9
USGS	13190500	9/26/1973	12:58	10	10.5	7 A	A	9	9	9
USGS	13190500	9/26/1973	12:58	20	18.5	7 A	A	9	9	9
USGS	13190500	9/26/1973	12:58	61	212	7 A	A	9	9	9
USGS	13190500	9/26/1973	12:58	95	80	7 A	A	9	9	9
USGS	13190500	12/11/1973	15:15	10	7	7 A	A	9	9	9
USGS	13190500	12/11/1973	15:15	20	5.5	7 A	A	9	9	9
USGS	13190500	12/11/1973	15:15	61	1390	7 A	A	9	9	9
USGS	13190500	12/11/1973	15:15	95	93	7 A	A	9	9	9
USGS	13190500	3/2/1974	15:15	10	5	7 A	A	9	9	9
USGS	13190500	3/2/1974	15:15	20	5	7 A	A	9	9	9
USGS	13190500	3/2/1974	15:15	61	222	7 A	A	9	9	9
USGS	13190500	3/2/1974	15:15	95	92	7 A	A	9	9	9
USGS	13190500	4/7/1974	15:05	10	4.5	7 A	A	9	9	9
USGS	13190500	4/7/1974	15:05	20	10	7 A	A	9	9	9
USGS	13190500	4/7/1974	15:05	61	1580	7 A	A	9	9	9
USGS	13190500	4/7/1974	15:05	95	99	7 A	A	9	9	9
USGS	13190500	5/17/1974	8:25	10	7	7 A	A	9	9	9
USGS	13190500	5/17/1974	8:25	20	13.5	7 A	A	9	9	9
USGS	13190500	5/17/1974	8:25	61	4450	7 A	A	9	9	9
USGS	13190500	5/17/1974	8:25	95	82	7 A	A	9	9	9
USGS	13190500	6/28/1974	14:20	10	12	7 A	A	9	9	9
USGS	13190500	6/28/1974	14:20	20	23.5	7 A	A	9	9	9
USGS	13190500	6/28/1974	14:20	61	2960	7 A	A	9	9	9
USGS	13190500	6/28/1974	14:20	95	66	7 A	A	9	9	9
USGS	13190500	8/2/1974	13:40	10	10	7 A	A	9	9	9
USGS	13190500	8/2/1974	13:40	20	30	7 A	A	9	9	9
USGS	13190500	8/2/1974	13:40	61	1420	7 A	A	9	9	9
USGS	13190500	8/2/1974	13:40	95	54	7 A	A	9	9	9
USGS	13190500	8/2/1974	13:40	400	8.4	7 A	A	9	9	9
USGS	13190500	12/11/1974	12:30	10	8.6	7 A	A	9	9	9
USGS	13190500	12/11/1974	12:30	20	6	7 A	A	9	9	9
USGS	13190500	12/11/1974	12:30	61	1560	7 A	A	9	9	9
USGS	13190500	12/11/1974	12:30	95	50	7 A	A	9	9	9
USGS	13190500	3/18/1975	11:17	10	4	7 A	A	9	9	9
USGS	13190500	3/18/1975	11:17	20	4	7 A	A	9	9	9
USGS	13190500	3/18/1975	11:17	41	76	7 A	A	9	9	9
USGS	13190500	3/18/1975	11:17	61	1350	7 A	A	9	9	9
USGS	13190500	3/18/1975	11:17	95	50	7 A	A	9	9	9
USGS	13190500	5/13/1975	13:45	10	7	7 A	A	9	9	9
USGS	13190500	5/13/1975	13:45	20	35	7 A	A	9	9	9
USGS	13190500	5/13/1975	13:45	41	0	7 A	A	9	9	9
USGS	13190500	5/13/1975	13:45	61	1630	7 A	A	9	9	9
USGS	13190500	5/13/1975	13:45	95	76	7 A	A	9	9	9
USGS	13190500	9/18/1975	13:15	10	10	7 A	A	9	9	9
USGS	13190500	9/18/1975	13:15	20	19.5	7 A	A	9	9	9
USGS	13190500	9/18/1975	13:15	41	0	7 A	A	9	9	9
USGS	13190500	9/18/1975	13:15	61	395	7 A	A	9	9	9
USGS	13190500	9/18/1975	13:15	95	63	7 A	A	9	9	9
USGS	13190500	10/29/1975	9:00	10	8	7 A	A	9	9	9
USGS	13190500	10/29/1975	9:00	20	4	7 A	A	9	9	9
USGS	13190500	10/29/1975	9:00	41	0	7 A	A	9	9	9
USGS	13190500	10/29/1975	9:00	61	613	7 A	A	9	9	9
USGS	13190500	10/29/1975	9:00	95	67	7 A	A	9	9	9
USGS	13190500	12/9/1975	15:15	10	6.5	7 A	A	9	9	9
USGS	13190500	12/9/1975	15:15	20	6.5	7 A	A	9	9	9
USGS	13190500	12/9/1975	15:15	41	0	7 A	A	9	9	9
USGS	13190500	12/9/1975	15:15	61	1350	7 A	A	9	9	9
USGS	13190500	12/9/1975	15:15	95	79	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	10	8	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	20	3	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	41	3	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	61	249	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	95	90	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	410	40	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	440	49	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	631	0.59	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	665	0.02	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	900	36	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	902	0	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	915	12	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	925	1.5	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	930	3.8	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	931	0.3	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	932	18	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	935	0.7	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	940	2.1	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	945	1.9	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	960	0.2	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	965	13	7 A	A	9	9	9
USGS	13190500	4/15/1976	14:30	70301	62	7 A	A	9	9	9

USGS	13190500	4/15/1976	14:30	70302	41.7	7 A	A	9	9	9	
USGS	13190500	4/15/1976	14:30	70303	0.08	7 A	A	9	9	9	
USGS	13190500	4/20/1976	9:35	10	8	7 A	A	9	9	9	
USGS	13190500	4/20/1976	9:35	20	4	7 A	A	9	9	9	
USGS	13190500	4/20/1976	9:35	41	1	7 A	A	9	9	9	
USGS	13190500	4/20/1976	9:35	61	1360	7 A	A	9	9	9	
USGS	13190500	4/20/1976	9:35	95	81	7 A	A	9	9	9	
USGS	13190500	4/20/1976	13:55	10	6	7 A	A	9	9	9	
USGS	13190500	4/20/1976	13:55	20	16	7 A	A	9	9	9	
USGS	13190500	4/20/1976	13:55	41	1	7 A	A	9	9	9	
USGS	13190500	4/20/1976	13:55	61	682	7 A	A	9	9	9	
USGS	13190500	4/20/1976	13:55	95	75	7 A	A	9	9	9	
USGS	13190500	4/20/1976	15:15	10	6.5	7 A	A	9	9	9	
USGS	13190500	4/20/1976	15:15	20	16	7 A	A	9	9	9	
USGS	13190500	4/20/1976	15:15	41	1	7 A	A	9	9	9	
USGS	13190500	4/20/1976	15:15	61	215	7 A	A	9	9	9	
USGS	13190500	4/20/1976	15:15	95	54	7 A	A	9	9	9	
USGS	13190500	4/21/1976	10:00	10	4	7 A	A	9	9	9	
USGS	13190500	4/21/1976	10:00	20	2	7 A	A	9	9	9	
USGS	13190500	4/21/1976	10:00	41	1	7 A	A	9	9	9	
USGS	13190500	4/21/1976	10:00	61	1790	7 A	A	9	9	9	
USGS	13190500	4/21/1976	10:00	95	85	7 A	A	9	9	9	
USGS	13190500	4/21/1976	13:00	10	4	7 A	A	9	9	9	
USGS	13190500	4/21/1976	13:00	20	4	7 A	A	9	9	9	
USGS	13190500	4/21/1976	13:00	41	10	7 A	A	9	9	9	
USGS	13190500	4/21/1976	13:00	61	934	7 A	A	9	9	9	
USGS	13190500	4/21/1976	13:00	95	85	7 A	A	9	9	9	
USGS	13190500	4/21/1976	14:45	10	6.5	7 A	A	9	9	9	
USGS	13190500	4/21/1976	14:45	20	8	7 A	A	9	9	9	
USGS	13190500	4/21/1976	14:45	41	1	7 A	A	9	9	9	
USGS	13190500	4/21/1976	14:45	61	208	7 A	A	9	9	9	
USGS	13190500	4/21/1976	14:45	95	55	7 A	A	9	9	9	
USGS	13190500	4/22/1976	10:00	10	4	7 A	A	9	9	9	
USGS	13190500	4/22/1976	10:00	20	4	7 A	A	9	9	9	
USGS	13190500	4/22/1976	10:00	41	65	7 A	A	9	9	9	
USGS	13190500	4/22/1976	10:00	61	2040	7 A	A	9	9	9	
USGS	13190500	4/22/1976	10:00	95	84	7 A	A	9	9	9	
USGS	13190500	4/22/1976	12:55	10	5	7 A	A	9	9	9	
USGS	13190500	4/22/1976	12:55	20	6	7 A	A	9	9	9	
USGS	13190500	4/22/1976	12:55	41	65	7 A	A	9	9	9	
USGS	13190500	4/22/1976	12:55	61	862	7 A	A	9	9	9	
USGS	13190500	4/22/1976	12:55	95	83	7 A	A	9	9	9	
USGS	13190500	5/18/1976	15:30	10	8.5	7 A	A	9	9	9	
USGS	13190500	5/18/1976	15:30	20	31	7 A	A	9	9	9	
USGS	13190500	5/18/1976	15:30	41	0	7 A	A	9	9	9	
USGS	13190500	5/18/1976	15:30	61	3480	7 A	A	9	9	9	
USGS	13190500	5/18/1976	15:30	95	79	7 A	A	9	9	9	
USGS	13190500	6/16/1976	11:10	41	2	7 A	A	9	9	9	
USGS	13190500	6/16/1976	11:10	61	1530	7 A	A	9	9	9	
USGS	13190500	6/16/1976	11:10	95	74	7 A	A	9	9	9	
USGS	13190500	8/17/1976	10:50	10	9	7 A	A	9	9	9	
USGS	13190500	8/17/1976	10:50	20	16	7 A	A	9	9	9	
USGS	13190500	8/17/1976	10:50	41	1	7 A	A	9	9	9	
USGS	13190500	8/17/1976	10:50	61	1060	7 A	A	9	9	9	
USGS	13190500	8/17/1976	10:50	95	80	7 A	A	9	9	9	
USGS	13190500	9/8/1976	10:05	10	8.5	7 A	A	9	9	9	
USGS	13190500	9/8/1976	10:05	20	9.5	7 A	A	9	9	9	
USGS	13190500	9/8/1976	10:05	41	0	7 A	A	9	9	9	
USGS	13190500	9/8/1976	10:05	61	290	7 A	A	9	9	9	
USGS	13190500	9/8/1976	10:05	95	78	7 A	A	9	9	9	
USGS	13190500	10/19/1976	9:45	10	8	7 A	A	9	9	9	
USGS	13190500	10/19/1976	9:45	20	1	7 A	A	9	9	9	
USGS	13190500	10/19/1976	9:45	41	0	7 A	A	9	9	9	
USGS	13190500	10/19/1976	9:45	61	221	7 A	A	9	9	9	
USGS	13190500	10/19/1976	9:45	95	76	7 A	A	9	9	9	
USGS	13190500	11/29/1976	11:45	10	8.5	7 A	A	9	9	9	
USGS	13190500	11/29/1976	11:45	20	0.5	7 A	A	9	9	9	
USGS	13190500	11/29/1976	11:45	41	0	7 A	A	9	9	9	
USGS	13190500	11/29/1976	11:45	61	218	7 A	A	9	9	9	
USGS	13190500	11/29/1976	11:45	95	87	7 A	A	9	9	9	
USGS	13190500	1/16/1977	10:45	10	4	7 A	A	9	9	9	
USGS	13190500	1/16/1977	10:45	20	2.5	7 A	A	9	9	9	
USGS	13190500	1/16/1977	10:45	41	0	7 A	A	9	9	9	
USGS	13190500	1/16/1977	10:45	61	208	7 A	A	9	9	9	
USGS	13190500	1/16/1977	10:45	95	88	7 A	A	9	9	9	
USGS	13190500	3/15/1977	9:00	10	4	7 A	A	9	9	9	
USGS	13190500	3/15/1977	9:00	20	-2	7 A	A	9	9	9	
USGS	13190500	3/15/1977	9:00	41	2	7 A	A	9	9	9	
USGS	13190500	3/15/1977	9:00	61	1560	7 A	A	9	9	9	
USGS	13190500	3/15/1977	9:00	95	88	7 A	A	9	9	9	
USGS	13190500	4/16/1977	11:40	10	7	7 A	A	9	9	9	
USGS	13190500	4/16/1977	11:40	20	19	7 A	A	9	9	9	
USGS	13190500	4/16/1977	11:40	41	0	7 A	A	9	9	9	
USGS	13190500	4/16/1977	11:40	61	197	7 A	A	9	9	9	
USGS	13190500	4/16/1977	11:40	95	89	7 A	A	9	9	9	
USGS	13190500	5/22/1977	9:30	10	5	7 A	A	9	9	9	
USGS	13190500	5/22/1977	9:30	20	12	7 A	A	9	9	9	

USGS	13190500	5/22/1977	9:30	41	2	7 A	A	9	9	9
USGS	13190500	5/22/1977	9:30	61	1580	7 A	A	9	9	9
USGS	13190500	5/22/1977	9:30	95	90	7 A	A	9	9	9
USGS	13190500	6/18/1977	8:20	10	5.5	7 A	A	9	9	9
USGS	13190500	6/18/1977	8:20	20	13.5	7 A	A	9	9	9
USGS	13190500	6/18/1977	8:20	41	0	7 A	A	9	9	9
USGS	13190500	6/18/1977	8:20	61	1570	7 A	A	9	9	9
USGS	13190500	6/18/1977	8:20	95	87	7 A	A	9	9	9
USGS	13190500	7/20/1977	9:30	10	6.5	7 A	A	9	9	9
USGS	13190500	7/20/1977	9:30	20	10.5	7 A	A	9	9	9
USGS	13190500	7/20/1977	9:30	41	0	7 A	A	9	9	9
USGS	13190500	7/20/1977	9:30	61	1460	7 A	A	9	9	9
USGS	13190500	7/20/1977	9:30	95	97	7 A	A	9	9	9
USGS	13190500	8/23/1977	11:55	10	14.8	7 A	A	9	9	9
USGS	13190500	8/23/1977	11:55	20	20	7 A	A	9	9	9
USGS	13190500	8/23/1977	11:55	41	0	7 A	A	9	9	9
USGS	13190500	8/23/1977	11:55	61	1330	7 A	A	9	9	9
USGS	13190500	9/21/1977	13:45	10	14	7 A	A	9	9	9
USGS	13190500	9/21/1977	13:45	20	10.5	7 A	A	9	9	9
USGS	13190500	9/21/1977	13:45	41	13	7 A	A	9	9	9
USGS	13190500	9/21/1977	13:45	61	218	7 A	A	9	9	9
USGS	13190500	9/21/1977	13:45	95	100	7 A	A	9	9	9
USGS	13190500	11/8/1977	11:45	10	9.5	7 A	A	9	9	9
USGS	13190500	11/8/1977	11:45	20	3	7 A	A	9	9	9
USGS	13190500	11/8/1977	11:45	41	0	7 A	A	9	9	9
USGS	13190500	11/8/1977	11:45	61	208	7 A	A	9	9	9
USGS	13190500	11/8/1977	11:45	95	116	7 A	A	9	9	9
USGS	13190500	12/13/1977	11:30	10	5.5	7 A	A	9	9	9
USGS	13190500	12/13/1977	11:30	20	3.5	7 A	A	9	9	9
USGS	13190500	12/13/1977	11:30	41	69	7 A	A	9	9	9
USGS	13190500	12/13/1977	11:30	61	202	7 A	A	9	9	9
USGS	13190500	12/13/1977	11:30	95	94	7 A	A	9	9	9
USGS	13190500	2/2/1978	13:20	10	3	7 A	A	9	9	9
USGS	13190500	2/2/1978	13:20	20	2.5	7 A	A	9	9	9
USGS	13190500	2/2/1978	13:20	41	3	7 A	A	9	9	9
USGS	13190500	2/2/1978	13:20	61	252	7 A	A	9	9	9
USGS	13190500	2/2/1978	13:20	95	110	7 A	A	9	9	9
USGS	13190500	4/27/1978	11:00	10	5.5	7 A	A	9	9	9
USGS	13190500	4/27/1978	11:00	20	8	7 A	A	9	9	9
USGS	13190500	4/27/1978	11:00	41	54	7 A	A	9	9	9
USGS	13190500	4/27/1978	11:00	61	240	7 A	A	9	9	9
USGS	13190500	4/27/1978	11:00	95	106	7 A	A	9	9	9
USGS	13190500	5/16/1978	14:30	10	6	7 A	A	9	9	9
USGS	13190500	5/16/1978	14:30	20	8.5	7 A	A	9	9	9
USGS	13190500	5/16/1978	14:30	41	60	7 A	A	9	9	9
USGS	13190500	5/16/1978	14:30	61	1190	7 A	A	9	9	9
USGS	13190500	5/16/1978	14:30	95	99	7 A	A	9	9	9
USGS	13190500	6/22/1978	14:15	10	10	7 A	A	9	9	9
USGS	13190500	6/22/1978	14:15	20	22.5	7 A	A	9	9	9
USGS	13190500	6/22/1978	14:15	41	0	7 A	A	9	9	9
USGS	13190500	6/22/1978	14:15	61	2390	7 A	A	9	9	9
USGS	13190500	6/22/1978	14:15	95	83	7 A	A	9	9	9
USGS	13190500	7/31/1978	14:00	10	9	7 A	A	9	9	9
USGS	13190500	7/31/1978	14:00	20	23	7 A	A	9	9	9
USGS	13190500	7/31/1978	14:00	41	0	7 A	A	9	9	9
USGS	13190500	7/31/1978	14:00	61	1500	7 A	A	9	9	9
USGS	13190500	7/31/1978	14:00	95	101	7 A	A	9	9	9
USGS	13190500	11/6/1978	14:50	10	10	7 A	A	9	9	9
USGS	13190500	11/6/1978	14:50	20	13	7 A	A	9	9	9
USGS	13190500	11/6/1978	14:50	61	197	7 A	A	9	9	9
USGS	13190500	11/6/1978	14:50	95	78	7 A	A	9	9	9
USGS	13190500	12/12/1978	16:00	10	6.5	7 A	A	9	9	9
USGS	13190500	12/12/1978	16:00	20	-1	7 A	A	9	9	9
USGS	13190500	12/12/1978	16:00	41	0	7 A	A	9	9	9
USGS	13190500	12/12/1978	16:00	61	196	7 A	A	9	9	9
USGS	13190500	2/21/1979	13:10	10	5	7 A	A	9	9	9
USGS	13190500	2/21/1979	13:10	20	4.5	7 A	A	9	9	9
USGS	13190500	2/21/1979	13:10	41	0	7 A	A	9	9	9
USGS	13190500	2/21/1979	13:10	61	235	7 A	A	9	9	9
USGS	13190500	2/21/1979	13:10	95	84	7 A	A	9	9	9
USGS	13190500	5/29/1979	15:30	10	8.5	7 A	A	9	9	9
USGS	13190500	5/29/1979	15:30	20	17	7 A	A	9	9	9
USGS	13190500	5/29/1979	15:30	61	3040	7 A	A	9	9	9
USGS	13190500	5/29/1979	15:30	95	78	7 A	A	9	9	9
USGS	13190500	6/20/1979	13:25	10	6	7 A	A	9	9	9
USGS	13190500	6/20/1979	13:25	20	21.5	7 A	A	9	9	9
USGS	13190500	6/20/1979	13:25	41	1	7 A	A	9	9	9
USGS	13190500	6/20/1979	13:25	61	1550	7 A	A	9	9	9
USGS	13190500	6/20/1979	13:25	95	85	7 A	A	9	9	9
USGS	13190500	7/31/1979	14:00	10	8	7 A	A	9	9	9
USGS	13190500	7/31/1979	14:00	20	32	7 A	A	9	9	9
USGS	13190500	7/31/1979	14:00	61	1630	7 A	A	9	9	9
USGS	13190500	7/31/1979	14:00	95	61	7 A	A	9	9	9
USGS	13190500	9/13/1979	17:55	10	11	7 A	A	9	9	9
USGS	13190500	9/13/1979	17:55	20	22	7 A	A	9	9	9
USGS	13190500	9/13/1979	17:55	61	300	7 A	A	9	9	9
USGS	13190500	9/13/1979	17:55	95	82	7 A	A	9	9	9

USGS	13190500	10/19/1979	14:30		10	11	7	A	A	9	9	9
USGS	13190500	10/19/1979	14:30		20	9	7	A	A	9	9	9
USGS	13190500	10/19/1979	14:30		41	60	7	A	A	9	9	9
USGS	13190500	10/19/1979	14:30		61	415	7	A	A	9	9	9
USGS	13190500	10/19/1979	14:30		95	83	7	A	A	9	9	9
USGS	13190500	12/13/1979	14:24		10	6.5	7	A	A	9	9	9
USGS	13190500	12/13/1979	14:24		20	2	7	A	A	9	9	9
USGS	13190500	12/13/1979	14:24		41	0	7	A	A	9	9	9
USGS	13190500	12/13/1979	14:24		61	324	7	A	A	9	9	9
USGS	13190500	12/13/1979	14:24		95	99	7	A	A	9	9	9
USGS	13190500	3/18/1980	10:45		10	4.5	7	A	A	9	9	9
USGS	13190500	3/18/1980	10:45		20	1.5	7	A	A	9	9	9
USGS	13190500	3/18/1980	10:45		41	0	7	A	A	9	9	9
USGS	13190500	3/18/1980	10:45		61	347	7	A	A	9	9	9
USGS	13190500	3/18/1980	10:45		95	110	7	A	A	9	9	9
USGS	13190500	5/13/1980	11:45		10	9.5	7	A	A	9	9	9
USGS	13190500	5/13/1980	11:45		20	10.5	7	A	A	9	9	9
USGS	13190500	5/13/1980	11:45		41	0	7	A	A	9	9	9
USGS	13190500	5/13/1980	11:45		61	2000	7	A	A	9	9	9
USGS	13190500	5/13/1980	11:45		95	88	7	A	A	9	9	9
USGS	13190500	7/15/1980	13:00		10	7.5	7	A	A	9	9	9
USGS	13190500	7/15/1980	13:00		20	24	7	A	A	9	9	9
USGS	13190500	7/15/1980	13:00		41	1	7	A	A	9	9	9
USGS	13190500	7/15/1980	13:00		61	1430	7	A	A	9	9	9
USGS	13190500	7/15/1980	13:00		95	89	7	A	A	9	9	9
USGS	13190500	9/9/1980	13:45		10	19.5	7	A	A	9	9	9
USGS	13190500	9/9/1980	13:45		20	28.5	7	A	A	9	9	9
USGS	13190500	9/9/1980	13:45		41	0	7	A	A	9	9	9
USGS	13190500	9/9/1980	13:45		61	1550	7	A	A	9	9	9
USGS	13190500	9/9/1980	13:45		95	41	7	A	A	9	9	9
USGS	13190500	11/4/1980	19:00		10	9.5	7	A	A	9	9	9
USGS	13190500	11/4/1980	19:00		20	14.5	7	A	A	9	9	9
USGS	13190500	11/4/1980	19:00		41	0	7	A	A	9	9	9
USGS	13190500	11/4/1980	19:00		61	286	7	A	A	9	9	9
USGS	13190500	11/4/1980	19:00		95	78	7	A	A	9	9	9
USGS	13190500	1/2/1981	13:25		10	5.5	7	A	A	9	9	9
USGS	13190500	1/2/1981	13:25		20	4.5	7	A	A	9	9	9
USGS	13190500	1/2/1981	13:25		41	0	7	A	A	9	9	9
USGS	13190500	1/2/1981	13:25		61	317	7	A	A	9	9	9
USGS	13190500	1/2/1981	13:25		95	90	7	A	A	9	9	9
USGS	13190500	2/9/1981	14:10		10	4	7	A	A	9	9	9
USGS	13190500	2/9/1981	14:10		20	4.5	7	A	A	9	9	9
USGS	13190500	2/9/1981	14:10		41	3	7	A	A	9	9	9
USGS	13190500	2/9/1981	14:10		61	308	7	A	A	9	9	9
USGS	13190500	2/9/1981	14:10		95	82	7	A	A	9	9	9
USGS	13190500	3/25/1981	13:00		10	5.5	7	A	A	9	9	9
USGS	13190500	3/25/1981	13:00		20	10	7	A	A	9	9	9
USGS	13190500	3/25/1981	13:00		41	2	7	A	A	9	9	9
USGS	13190500	3/25/1981	13:00		61	126	7	A	A	9	9	9
USGS	13190500	3/25/1981	13:00		95	85	7	A	A	9	9	9
USGS	13190500	5/12/1981	13:45		10	5	7	A	A	9	9	9
USGS	13190500	5/12/1981	13:45		20	7	7	A	A	9	9	9
USGS	13190500	5/12/1981	13:45		61	1040	7	A	A	9	9	9
USGS	13190500	5/12/1981	13:45		95	89	7	A	A	9	9	9
USGS	13190500	7/14/1981	12:00		10	7	7	A	A	9	9	9
USGS	13190500	7/14/1981	12:00		20	23	7	A	A	9	9	9
USGS	13190500	7/14/1981	12:00		41	0	7	A	A	9	9	9
USGS	13190500	7/14/1981	12:00		61	1080	7	A	A	9	9	9
USGS	13190500	7/14/1981	12:00		95	87	7	A	A	9	9	9
USGS	13190500	9/1/1981	13:00		10	9	7	A	A	9	9	9
USGS	13190500	9/1/1981	13:00		20	18.5	7	A	A	9	9	9
USGS	13190500	9/1/1981	13:00		41	0	7	A	A	9	9	9
USGS	13190500	9/1/1981	13:00		61	614	7	A	A	9	9	9
USGS	13190500	9/1/1981	13:00		95	84	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	10	8.5	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	20	7	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	28	1028	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	41	1	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	61	298	7	A	A	9	9	9
USGS	13190500	11/4/1981	11:15	USGS-WRD	95	83	7	A	A	9	9	9
USGS	13190500	1/14/1982	11:40	USGS-WRD	10	4	7	A	A	9	9	9
USGS	13190500	1/14/1982	11:40	USGS-WRD	20	0.5	7	A	A	9	9	9
USGS	13190500	1/14/1982	11:40	USGS-WRD	28	1028	7	A	A	9	9	9
USGS	13190500	1/14/1982	11:40	USGS-WRD	61	339	7	A	A	9	9	9
USGS	13190500	1/14/1982	11:40	USGS-WRD	95	99	7	A	A	9	9	9
USGS	13190500	3/3/1982	15:40	USGS-WRD	10	3	7	A	A	9	9	9
USGS	13190500	3/3/1982	15:40	USGS-WRD	20	2	7	A	A	9	9	9
USGS	13190500	3/3/1982	15:40	USGS-WRD	28	1028	7	A	A	9	9	9
USGS	13190500	3/3/1982	15:40	USGS-WRD	61	1580	7	A	A	9	9	9
USGS	13190500	3/3/1982	15:40	USGS-WRD	95	90	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	10	3.5	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	20	50	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	28	1028	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	41	1	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	61	1630	7	A	A	9	9	9
USGS	13190500	4/15/1982	16:50	USGS-WRD	95	86	7	A	A	9	9	9
USGS	13190500	5/19/1982	15:15	USGS-WRD	10	5	7	A	A	9	9	9

USGS	13190500	5/19/1982	15:15 USGS-WRD	20	15.5			7	A	A		9	9	9
USGS	13190500	5/19/1982	15:15 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	5/19/1982	15:15 USGS-WRD	61	3470			7	A	A		9	9	9
USGS	13190500	5/19/1982	15:15 USGS-WRD	95	91			7	A	A		9	9	9
USGS	13190500	7/12/1982	18:20 USGS-WRD	10	13			7	A	A		9	9	9
USGS	13190500	7/12/1982	18:20 USGS-WRD	20	27			7	A	A		9	9	9
USGS	13190500	7/12/1982	18:20 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	7/12/1982	18:20 USGS-WRD	61	2300			7	A	A		9	9	9
USGS	13190500	9/9/1982	12:05 USGS-WRD	10	7.5			7	A	A		9	9	9
USGS	13190500	9/9/1982	12:05 USGS-WRD	20	25			7	A	A		9	9	9
USGS	13190500	9/9/1982	12:05 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	9/9/1982	12:05 USGS-WRD	61	668			7	A	A		9	9	9
USGS	13190500	9/9/1982	12:05 USGS-WRD	95	75			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	10	9			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	20	20.5			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	41	0			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	61	327			7	A	A		9	9	9
USGS	13190500	10/21/1982	15:10 USGS-WRD	95	95			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	10	5.5			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	20	4			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	41	2			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	61	783			7	A	A		9	9	9
USGS	13190500	12/22/1982	12:10 USGS-WRD	95	67			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	10	4.5			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	20	3			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	28	1028			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	41	2			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	61	78			7	A	A		9	9	9
USGS	13190500	1/26/1983	13:30 USGS-WRD	95	78			7	A	A		9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	10	5	A		A			9	9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	20	11	A		A			9	9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	28	80020	A		A			9	9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	41	0	A		A			9	9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	61	2420	A		A			9	9	9	9
USGS	13190500	4/6/1983	13:10 USGS-WRD	95	85	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	10	10	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	20	28	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	28	80020	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	41	0	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	61	7240	A		A			9	9	9	9
USGS	13190500	6/10/1983	17:35 USGS-WRD	95	66	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	10	10.5	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	20	32	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	28	80020	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	41	2	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	61	584	A		A			9	9	9	9
USGS	13190500	8/3/1983	15:50 USGS-WRD	95	61	A		A			9	9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	10	9.5	A		A		A		9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	20	11.5	A		A		A		9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	41	0	A		A		A		9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	61	316	A		A		A		9	9	9
USGS	13190500	10/5/1983	10:55 USGS-WRD	96	63	A		A		A		9	9	9
USGS	13190500	12/15/1983	11:20 USGS-WRD	10	6.5	A		A		A		9	9	9
USGS	13190500	12/15/1983	11:20 USGS-WRD	20	2.5	A		A		A		9	9	9
USGS	13190500	12/15/1983	11:20 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	12/15/1983	11:20 USGS-WRD	61	1550	A		A		A		9	9	9
USGS	13190500	12/15/1983	11:20 USGS-WRD	95	64	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	10	2.5	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	20	5	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	41	0	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	61	774	A		A		A		9	9	9
USGS	13190500	2/8/1984	11:15 USGS-WRD	95	76	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	10	10.5	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	20	15	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	41	0	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	61	3000	A		A		A		9	9	9
USGS	13190500	5/29/1984	11:20 USGS-WRD	95	61	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	10	14	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	20	21	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	41	2	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	61	2050	A		A		A		9	9	9
USGS	13190500	7/9/1984	12:15 USGS-WRD	95	42	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	10	11	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	20	18.5	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	28	80020	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	41	2	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	61	812	A		A		A		9	9	9
USGS	13190500	8/22/1984	15:00 USGS-WRD	95	72	A		A		A		9	9	9
USGS	13190500	10/2/1984	10:00 USGS-WRD	10	11.5	A		A		A		9	9	9
USGS	13190500	10/2/1984	10:00 USGS-WRD	20	16	A		A		A		9	9	9
USGS	13190500	10/2/1984	10:00 USGS-WRD	28	80020	A		A		A		9	9	9

USGS	13190500	10/2/1984	10:00 USGS-WRD	41	0	A	A	A		9	9	9	
USGS	13190500	10/2/1984	10:00 USGS-WRD	61	768	A	A	A		9	9	9	
USGS	13190500	10/2/1984	10:00 USGS-WRD	95	71	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	10	6	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	20	-8	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	41	0	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	61	323	A	A	A		9	9	9	
USGS	13190500	12/7/1984	10:30 USGS-WRD	95	85	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	10	4	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	20	-5.5	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	41	0	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	61	860	A	A	A		9	9	9	
USGS	13190500	1/17/1985	14:45 USGS-WRD	95	85	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	10	5	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	20	-4	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	41	3	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	61	338	A	A	A		9	9	9	
USGS	13190500	3/7/1985	14:15 USGS-WRD	95	86	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	10	8	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	20	19.5	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	41	0	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	61	918	A	A	A		9	9	9	
USGS	13190500	4/9/1985	14:15 USGS-WRD	95	91	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	10	19	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	20	25	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	41	2	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	61	1700	A	A	A		9	9	9	
USGS	13190500	7/23/1985	11:40 USGS-WRD	95	81	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	10	11	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	20	22	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	41	2	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	61	1700	A	A	A		9	9	9	
USGS	13190500	8/26/1985	12:35 USGS-WRD	95	73	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	10	12	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	20	4	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	28	80020	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	41	2	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	61	3230	A	A	A		9	9	9	
USGS	13190500	10/8/1985	12:05 USGS-WRD	95	74	A	A	A		9	9	9	
USGS	13190500	11/18/1985	13:40	10	8.5	A	A	A	A	Z		9	
USGS	13190500	11/18/1985	13:40	20	1	A	A	A	A	Z		9	
USGS	13190500	11/18/1985	13:40	61	312	A	A	A	A	Z		9	
USGS	13190500	11/18/1985	13:40	95	87	A	A	A	A	Z		9	
USGS	13190500	12/18/1985	13:55	10	2	A	A	A	A	Z		9	
USGS	13190500	12/18/1985	13:55	20	-3	A	A	A	A	Z		9	
USGS	13190500	12/18/1985	13:55	61	302	A	A	A	A	Z		9	
USGS	13190500	12/18/1985	13:55	95	87	A	A	A	A	Z		9	
USGS	13190500	1/27/1986	14:05	10	5	A	A	A	A	Z		9	
USGS	13190500	1/27/1986	14:05	20	4	A	A	A	A	Z		9	
USGS	13190500	1/27/1986	14:05	61	328	A	A	A	A	Z		9	
USGS	13190500	1/27/1986	14:05	95	89	A	A	A	A	Z		9	
USGS	13190500	3/12/1986	13:15	10	0	A	A	A	A	Z		9	
USGS	13190500	3/12/1986	13:15	61	1580	A	A	A	A	Z		9	
USGS	13190500	3/12/1986	13:15	95	89	A	A	A	A	Z		9	
USGS	13190500	4/16/1986	14:45	10	5	A	A	A	A	Z		9	
USGS	13190500	4/16/1986	14:45	20	15	A	A	A	A	Z		9	
USGS	13190500	4/16/1986	14:45	61	3100	A	A	A	A	Z		9	
USGS	13190500	4/16/1986	14:45	95	84	A	A	A	A	Z		9	
USGS	13190500	6/3/1986	13:50 USGS-WRD	10	10	H		7	9	9	9	9	
USGS	13190500	6/3/1986	13:50 USGS-WRD	20	20	H		7	9	9	9	9	
USGS	13190500	6/3/1986	13:50 USGS-WRD	28	1028	H		7	9	9	9	9	
USGS	13190500	6/3/1986	13:50 USGS-WRD	61	7390	H		7	9	9	9	9	
USGS	13190500	6/3/1986	13:50 USGS-WRD	95	77	H		7	9	9	9	9	
USGS	13190500	6/23/1986	13:25	10	6.5	A	A	A	A	Z		9	
USGS	13190500	6/23/1986	13:25	20	27	A	A	A	A	Z		9	
USGS	13190500	6/23/1986	13:25	61	1730	A	A	A	A	Z		9	
USGS	13190500	6/23/1986	13:25	95	79	A	A	A	A	Z		9	
USGS	13190500	8/6/1986	10:11 USGS-WRD	10	9	H		7	9	9	9	9	
USGS	13190500	8/6/1986	10:11 USGS-WRD	20	18	H		7	9	9	9	9	
USGS	13190500	8/6/1986	10:11 USGS-WRD	28	1028	H		7	9	9	9	9	
USGS	13190500	8/6/1986	10:11 USGS-WRD	61	682	H		7	9	9	9	9	
USGS	13190500	8/6/1986	10:11 USGS-WRD	95	77	H		7	9	9	9	9	
USGS	13190500	9/18/1986	10:20 USGS-WRD	10	8	H		7	9	9	9	9	
USGS	13190500	9/18/1986	10:20 USGS-WRD	20	6	H		7	9	9	9	9	
USGS	13190500	9/18/1986	10:20 USGS-WRD	28	1028	H		7	9	9	9	9	
USGS	13190500	9/18/1986	10:20 USGS-WRD	61	840	H		7	9	9	9	9	
USGS	13190500	9/18/1986	10:20 USGS-WRD	95	66	H		7	9	9	9	9	
USGS	13190500	10/15/1986	10:17 USGS-WRD	10	7	H		7	9	9	9	9	
USGS	13190500	10/15/1986	10:17 USGS-WRD	20	5	H		7	9	9	9	9	
USGS	13190500	10/15/1986	10:17 USGS-WRD	28	1028	H		7	9	9	9	9	
USGS	13190500	10/15/1986	10:17 USGS-WRD	61	379	H		7	9	9	9	9	

USGS	13190500	10/15/1986	10:17 USGS-WRD	95	64	H	7	9	9	9	9
USGS	13190500	11/19/1986	13:45 USGS-WRD	10	8	H	7	9	9	9	9
USGS	13190500	11/19/1986	13:45 USGS-WRD	20	7	H	7	9	9	9	9
USGS	13190500	11/19/1986	13:45 USGS-WRD	28	1028	H	7	9	9	9	9
USGS	13190500	11/19/1986	13:45 USGS-WRD	61	398	H	7	9	9	9	9
USGS	13190500	11/19/1986	13:45 USGS-WRD	95	73	H	7	9	9	9	9
USGS	13190500	1/7/1987	14:32 USGS-WRD	10	3	H	7	9	9	9	9
USGS	13190500	1/7/1987	14:32 USGS-WRD	20	-4.5	H	7	9	9	9	9
USGS	13190500	1/7/1987	14:32 USGS-WRD	28	1028	H	7	9	9	9	9
USGS	13190500	1/7/1987	14:32 USGS-WRD	61	326	H	7	9	9	9	9
USGS	13190500	1/7/1987	14:32 USGS-WRD	95	83	H	7	9	9	9	9
USGS	13190500	2/11/1987	14:38 USGS-WRD	10	4.5	H	7	9	9	9	9
USGS	13190500	2/11/1987	14:38 USGS-WRD	20	6	H	7	9	9	9	9
USGS	13190500	2/11/1987	14:38 USGS-WRD	28	1028	H	7	9	9	9	9
USGS	13190500	2/11/1987	14:38 USGS-WRD	61	315	H	7	9	9	9	9
USGS	13190500	2/11/1987	14:38 USGS-WRD	95	82	H	7	9	9	9	9
USGS	13190500	3/30/1987	13:50 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	3/30/1987	13:50 USGS-WRD	20	9	H	9	9	9	9	9
USGS	13190500	3/30/1987	13:50 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/30/1987	13:50 USGS-WRD	61	329	H	9	9	9	9	9
USGS	13190500	3/30/1987	13:50 USGS-WRD	95	85	H	9	9	9	9	9
USGS	13190500	4/27/1987	15:40 USGS-WRD	10	6.5	H	9	9	9	9	9
USGS	13190500	4/27/1987	15:40 USGS-WRD	20	30	H	9	9	9	9	9
USGS	13190500	4/27/1987	15:40 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	4/27/1987	15:40 USGS-WRD	61	587	H	9	9	9	9	9
USGS	13190500	4/27/1987	15:40 USGS-WRD	95	86	H	9	9	9	9	9
USGS	13190500	5/28/1987	15:00 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	5/28/1987	15:00 USGS-WRD	20	20	H	9	9	9	9	9
USGS	13190500	5/28/1987	15:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	5/28/1987	15:00 USGS-WRD	61	1690	H	9	9	9	9	9
USGS	13190500	5/28/1987	15:00 USGS-WRD	95	86	H	9	9	9	9	9
USGS	13190500	6/24/1987	17:55 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	6/24/1987	17:55 USGS-WRD	61	1680	H	9	9	9	9	9
USGS	13190500	6/24/1987	17:55 USGS-WRD	95	87	H	9	9	9	9	9
USGS	13190500	7/30/1987	8:55 USGS-WRD	10	10	H	9	9	9	9	9
USGS	13190500	7/30/1987	8:55 USGS-WRD	20	19	H	9	9	9	9	9
USGS	13190500	7/30/1987	8:55 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/30/1987	8:55 USGS-WRD	61	1650	H	9	9	9	9	9
USGS	13190500	7/30/1987	8:55 USGS-WRD	95	85	H	9	9	9	9	9
USGS	13190500	9/16/1987	12:00 USGS-WRD	10	14.5	H	9	9	9	9	9
USGS	13190500	9/16/1987	12:00 USGS-WRD	20	19	H	9	9	9	9	9
USGS	13190500	9/16/1987	12:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	9/16/1987	12:00 USGS-WRD	61	296	H	9	9	9	9	9
USGS	13190500	9/16/1987	12:00 USGS-WRD	95	88	H	9	9	9	9	9
USGS	13190500	10/22/1987	9:00 USGS-WRD	10	12	H	9	9	9	9	9
USGS	13190500	10/22/1987	9:00 USGS-WRD	20	2.5	H	9	9	9	9	9
USGS	13190500	10/22/1987	9:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/22/1987	9:00 USGS-WRD	61	314	H	9	9	9	9	9
USGS	13190500	10/22/1987	9:00 USGS-WRD	95	99	H	9	9	9	9	9
USGS	13190500	12/1/1987	12:30 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	12/1/1987	12:30 USGS-WRD	20	8	H	9	9	9	9	9
USGS	13190500	12/1/1987	12:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	12/1/1987	12:30 USGS-WRD	61	299	H	9	9	9	9	9
USGS	13190500	12/1/1987	12:30 USGS-WRD	95	102	H	9	9	9	9	9
USGS	13190500	1/13/1988	12:30 USGS-WRD	10	3	H	9	9	9	9	9
USGS	13190500	1/13/1988	12:30 USGS-WRD	20	0	H	9	9	9	9	9
USGS	13190500	1/13/1988	12:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/13/1988	12:30 USGS-WRD	61	306	H	9	9	9	9	9
USGS	13190500	1/13/1988	12:30 USGS-WRD	95	102	H	9	9	9	9	9
USGS	13190500	2/23/1988	14:00 USGS-WRD	10	5	H	9	9	9	9	9
USGS	13190500	2/23/1988	14:00 USGS-WRD	20	7.5	H	9	9	9	9	9
USGS	13190500	2/23/1988	14:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	2/23/1988	14:00 USGS-WRD	61	317	H	9	9	9	9	9
USGS	13190500	2/23/1988	14:00 USGS-WRD	95	112	H	9	9	9	9	9
USGS	13190500	4/7/1988	14:00 USGS-WRD	10	5.5	H	9	9	9	9	9
USGS	13190500	4/7/1988	14:00 USGS-WRD	20	10	H	9	9	9	9	9
USGS	13190500	4/7/1988	14:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	4/7/1988	14:00 USGS-WRD	61	522	H	9	9	9	9	9
USGS	13190500	4/7/1988	14:00 USGS-WRD	95	112	H	9	9	9	9	9
USGS	13190500	5/3/1988	14:20 USGS-WRD	10	6.5	H	9	9	9	9	9
USGS	13190500	5/3/1988	14:20 USGS-WRD	20	19.5	H	9	9	9	9	9
USGS	13190500	5/3/1988	14:20 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	5/3/1988	14:20 USGS-WRD	61	576	H	9	9	9	9	9
USGS	13190500	5/3/1988	14:20 USGS-WRD	95	108	H	9	9	9	9	9
USGS	13190500	6/1/1988	15:00 USGS-WRD	10	7.5	H	9	9	9	9	9
USGS	13190500	6/1/1988	15:00 USGS-WRD	20	15.5	H	9	9	9	9	9
USGS	13190500	6/1/1988	15:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	6/1/1988	15:00 USGS-WRD	61	605	H	9	9	9	9	9
USGS	13190500	6/1/1988	15:00 USGS-WRD	95	104	H	9	9	9	9	9
USGS	13190500	7/19/1988	15:45 USGS-WRD	10	11	H	9	9	9	9	9
USGS	13190500	7/19/1988	15:45 USGS-WRD	20	33.5	H	9	9	9	9	9
USGS	13190500	7/19/1988	15:45 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/19/1988	15:45 USGS-WRD	61	1420	H	9	9	9	9	9
USGS	13190500	7/19/1988	15:45 USGS-WRD	95	85	H	9	9	9	9	9
USGS	13190500	8/30/1988	13:55 USGS-WRD	10	14.5	H	9	9	9	9	9
USGS	13190500	8/30/1988	13:55 USGS-WRD	20	31.5	H	9	9	9	9	9
USGS	13190500	8/30/1988	13:55 USGS-WRD	28	1028	H	9	9	9	9	9

USGS	13190500	8/30/1988	13:55 USGS-WRD	61	595	H	9	9	9	9	9
USGS	13190500	8/30/1988	13:55 USGS-WRD	95	80	H	9	9	9	9	9
USGS	13190500	10/11/1988	14:00 USGS-WRD	10	15.5	H	9	9	9	9	9
USGS	13190500	10/11/1988	14:00 USGS-WRD	20	27.5	H	9	9	9	9	9
USGS	13190500	10/11/1988	14:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/11/1988	14:00 USGS-WRD	61	298	H	9	9	9	9	9
USGS	13190500	10/11/1988	14:00 USGS-WRD	95	91	H	9	9	9	9	9
USGS	13190500	11/23/1988	10:11 USGS-WRD	10	9	H	9	9	9	9	9
USGS	13190500	11/23/1988	10:11 USGS-WRD	20	9	H	9	9	9	9	9
USGS	13190500	11/23/1988	10:11 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	11/23/1988	10:11 USGS-WRD	61	300	H	9	9	9	9	9
USGS	13190500	11/23/1988	10:11 USGS-WRD	95	100	H	9	9	9	9	9
USGS	13190500	1/18/1989	15:05 USGS-WRD	10	4	H	9	9	9	9	9
USGS	13190500	1/18/1989	15:05 USGS-WRD	20	9	H	9	9	9	9	9
USGS	13190500	1/18/1989	15:05 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/18/1989	15:05 USGS-WRD	61	296	H	9	9	9	9	9
USGS	13190500	1/18/1989	15:05 USGS-WRD	95	102	H	9	9	9	9	9
USGS	13190500	3/7/1989	13:10 USGS-WRD	10	4.5	H	9	9	9	9	9
USGS	13190500	3/7/1989	13:10 USGS-WRD	20	10	H	9	9	9	9	9
USGS	13190500	3/7/1989	13:10 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/7/1989	13:10 USGS-WRD	61	308	H	9	9	9	9	9
USGS	13190500	3/7/1989	13:10 USGS-WRD	95	103	H	9	9	9	9	9
USGS	13190500	3/27/1989	8:45 USGS-WRD	10	4	H	9	9	9	9	9
USGS	13190500	3/27/1989	8:45 USGS-WRD	20	2	H	9	9	9	9	9
USGS	13190500	3/27/1989	8:45 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/27/1989	8:45 USGS-WRD	61	308	H	9	9	9	9	9
USGS	13190500	3/27/1989	8:45 USGS-WRD	95	108	H	9	9	9	9	9
USGS	13190500	4/24/1989	13:20 USGS-WRD	10	4.5	H	9	9	9	9	9
USGS	13190500	4/24/1989	13:20 USGS-WRD	20	7	H	9	9	9	9	9
USGS	13190500	4/24/1989	13:20 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	4/24/1989	13:20 USGS-WRD	61	593	H	9	9	9	9	9
USGS	13190500	4/24/1989	13:20 USGS-WRD	95	102	H	9	9	9	9	9
USGS	13190500	5/22/1989	12:25 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	5/22/1989	12:25 USGS-WRD	20	21	H	9	9	9	9	9
USGS	13190500	5/22/1989	12:25 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	5/22/1989	12:25 USGS-WRD	61	1190	H	9	9	9	9	9
USGS	13190500	5/22/1989	12:25 USGS-WRD	95	98	H	9	9	9	9	9
USGS	13190500	7/12/1989	13:35 USGS-WRD	10	8	H	9	9	9	9	9
USGS	13190500	7/12/1989	13:35 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/12/1989	13:35 USGS-WRD	61	1480	H	9	9	9	9	9
USGS	13190500	7/12/1989	13:35 USGS-WRD	95	80	H	9	9	9	9	9
USGS	13190500	8/15/1989	14:00 USGS-WRD	10	9.5	H	9	9	9	9	9
USGS	13190500	8/15/1989	14:00 USGS-WRD	20	18.5	H	9	9	9	9	9
USGS	13190500	8/15/1989	14:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	8/15/1989	14:00 USGS-WRD	61	1470	H	9	9	9	9	9
USGS	13190500	8/15/1989	14:00 USGS-WRD	95	73	H	9	9	9	9	9
USGS	13190500	10/12/1989	13:00 USGS-WRD	10	12	H	9	9	9	9	9
USGS	13190500	10/12/1989	13:00 USGS-WRD	20	16	H	9	9	9	9	9
USGS	13190500	10/12/1989	13:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/12/1989	13:00 USGS-WRD	61	292	H	9	9	9	9	9
USGS	13190500	10/12/1989	13:00 USGS-WRD	95	73	H	9	9	9	9	9
USGS	13190500	11/15/1989	13:04 USGS-WRD	10	11	H	9	9	9	9	9
USGS	13190500	11/15/1989	13:04 USGS-WRD	20	5	H	9	9	9	9	9
USGS	13190500	11/15/1989	13:04 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	11/15/1989	13:04 USGS-WRD	61	328	H	9	9	9	9	9
USGS	13190500	11/15/1989	13:04 USGS-WRD	95	89	H	9	9	9	9	9
USGS	13190500	1/8/1990	12:31 USGS-WRD	10	5	H	9	9	9	9	9
USGS	13190500	1/8/1990	12:31 USGS-WRD	20	8	H	9	9	9	9	9
USGS	13190500	1/8/1990	12:31 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/8/1990	12:31 USGS-WRD	61	304	H	9	9	9	9	9
USGS	13190500	1/8/1990	12:31 USGS-WRD	95	88	H	9	9	9	9	9
USGS	13190500	2/14/1990	14:20 USGS-WRD	10	4	H	9	9	9	9	9
USGS	13190500	2/14/1990	14:20 USGS-WRD	20	-1	H	9	9	9	9	9
USGS	13190500	2/14/1990	14:20 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	2/14/1990	14:20 USGS-WRD	61	323	H	9	9	9	9	9
USGS	13190500	2/14/1990	14:20 USGS-WRD	95	90	H	9	9	9	9	9
USGS	13190500	4/24/1990	15:30 USGS-WRD	10	12	A	9	9	9	9	9
USGS	13190500	4/24/1990	15:30 USGS-WRD	20	5.5	A	9	9	9	9	9
USGS	13190500	4/24/1990	15:30 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	4/24/1990	15:30 USGS-WRD	61	582	A	9	9	9	9	9
USGS	13190500	4/24/1990	15:30 USGS-WRD	95	94	A	9	9	9	9	9
USGS	13190500	6/5/1990	16:45 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	6/5/1990	16:45 USGS-WRD	61	1660	A	9	9	9	9	9
USGS	13190500	6/5/1990	16:45 USGS-WRD	95	94	A	9	9	9	9	9
USGS	13190500	7/11/1990	11:00 USGS-WRD	10	9.5	A	9	9	9	9	9
USGS	13190500	7/11/1990	11:00 USGS-WRD	20	30	A	9	9	9	9	9
USGS	13190500	7/11/1990	11:00 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	7/11/1990	11:00 USGS-WRD	61	1630	A	9	9	9	9	9
USGS	13190500	7/11/1990	11:00 USGS-WRD	95	89	A	9	9	9	9	9
USGS	13190500	8/14/1990	14:00 USGS-WRD	10	12	A	9	9	9	9	9
USGS	13190500	8/14/1990	14:00 USGS-WRD	20	32	A	9	9	9	9	9
USGS	13190500	8/14/1990	14:00 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	8/14/1990	14:00 USGS-WRD	61	1590	A	9	9	9	9	9
USGS	13190500	8/14/1990	14:00 USGS-WRD	95	84	A	9	9	9	9	9
USGS	13190500	10/2/1990	15:34 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	10/2/1990	15:34 USGS-WRD	61	258	A	9	9	9	9	9
USGS	13190500	10/2/1990	15:34 USGS-WRD	95	84	A	9	9	9	9	9

USGS	13190500	11/15/1990	15:30 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	11/15/1990	15:30 USGS-WRD	61	310	A	9	9	9	9	9
USGS	13190500	11/15/1990	15:30 USGS-WRD	95	95	A	9	9	9	9	9
USGS	13190500	1/7/1991	16:04 USGS-WRD	10	4	A	9	9	9	9	9
USGS	13190500	1/7/1991	16:04 USGS-WRD	20	1	A	9	9	9	9	9
USGS	13190500	1/7/1991	16:04 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	1/7/1991	16:04 USGS-WRD	61	292	A	9	9	9	9	9
USGS	13190500	1/7/1991	16:04 USGS-WRD	95	101	A	9	9	9	9	9
USGS	13190500	2/6/1991	15:32 USGS-WRD	10	4.5	A	9	9	9	9	9
USGS	13190500	2/6/1991	15:32 USGS-WRD	20	7	A	9	9	9	9	9
USGS	13190500	2/6/1991	15:32 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	2/6/1991	15:32 USGS-WRD	61	287	A	9	9	9	9	9
USGS	13190500	2/6/1991	15:32 USGS-WRD	95	97	A	9	9	9	9	9
USGS	13190500	3/19/1991	14:35 USGS-WRD	10	5	A	9	9	9	9	9
USGS	13190500	3/19/1991	14:35 USGS-WRD	20	13	A	9	9	9	9	9
USGS	13190500	3/19/1991	14:35 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	3/19/1991	14:35 USGS-WRD	61	297	A	9	9	9	9	9
USGS	13190500	3/19/1991	14:35 USGS-WRD	95	101	A	9	9	9	9	9
USGS	13190500	5/2/1991	12:30 USGS-WRD	10	6	A	9	9	9	9	9
USGS	13190500	5/2/1991	12:30 USGS-WRD	20	9	A	9	9	9	9	9
USGS	13190500	5/2/1991	12:30 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	5/2/1991	12:30 USGS-WRD	61	587	A	9	9	9	9	9
USGS	13190500	5/2/1991	12:30 USGS-WRD	95	106	A	9	9	9	9	9
USGS	13190500	6/5/1991	10:45 USGS-WRD	10	7.5	A	9	9	9	9	9
USGS	13190500	6/5/1991	10:45 USGS-WRD	20	20.5	A	9	9	9	9	9
USGS	13190500	6/5/1991	10:45 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	6/5/1991	10:45 USGS-WRD	61	617	A	9	9	9	9	9
USGS	13190500	6/5/1991	10:45 USGS-WRD	95	104	A	9	9	9	9	9
USGS	13190500	7/16/1991	13:10 USGS-WRD	10	11	A	9	9	9	9	9
USGS	13190500	7/16/1991	13:10 USGS-WRD	20	24.5	A	9	9	9	9	9
USGS	13190500	7/16/1991	13:10 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	7/16/1991	13:10 USGS-WRD	61	1550	A	9	9	9	9	9
USGS	13190500	7/16/1991	13:10 USGS-WRD	95	89	A	9	9	9	9	9
USGS	13190500	8/22/1991	11:42 USGS-WRD	10	14.5	A	9	9	9	9	9
USGS	13190500	8/22/1991	11:42 USGS-WRD	20	25	A	9	9	9	9	9
USGS	13190500	8/22/1991	11:42 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	8/22/1991	11:42 USGS-WRD	61	642	A	9	9	9	9	9
USGS	13190500	8/22/1991	11:42 USGS-WRD	95	83	A	9	9	9	9	9
USGS	13190500	11/18/1991	16:15 USGS-WRD	10	9	A	9	9	9	9	0
USGS	13190500	11/18/1991	16:15 USGS-WRD	20	5	A	9	9	9	9	0
USGS	13190500	11/18/1991	16:15 USGS-WRD	28	1028	A	9	9	9	9	0
USGS	13190500	11/18/1991	16:15 USGS-WRD	61	312	A	9	9	9	9	0
USGS	13190500	11/18/1991	16:15 USGS-WRD	95	99	A	9	9	9	9	0
USGS	13190500	1/7/1992	15:00 USGS-WRD	10	2	A	9	9	9	9	0
USGS	13190500	1/7/1992	15:00 USGS-WRD	20	3	A	9	9	9	9	9
USGS	13190500	1/7/1992	15:00 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	1/7/1992	15:00 USGS-WRD	61	262	A	9	9	9	9	9
USGS	13190500	1/7/1992	15:00 USGS-WRD	95	102	A	9	9	9	9	9
USGS	13190500	2/26/1992	13:15 USGS-WRD	10	4	A	9	9	9	9	9
USGS	13190500	2/26/1992	13:15 USGS-WRD	20	15	A	9	9	9	9	9
USGS	13190500	2/26/1992	13:15 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	2/26/1992	13:15 USGS-WRD	61	288	A	9	9	9	9	9
USGS	13190500	2/26/1992	13:15 USGS-WRD	95	103	A	9	9	9	9	9
USGS	13190500	4/13/1992	12:45 USGS-WRD	10	6	A	9	9	9	9	9
USGS	13190500	4/13/1992	12:45 USGS-WRD	20	18	A	9	9	9	9	9
USGS	13190500	4/13/1992	12:45 USGS-WRD	28	1028	A	9	9	9	9	9
USGS	13190500	4/13/1992	12:45 USGS-WRD	61	588	A	9	9	9	9	9
USGS	13190500	4/13/1992	12:45 USGS-WRD	95	107	A	9	9	9	9	9
USGS	13190500	7/1/1992	12:45 USGS-WRD	10	15	H	9	9	9	9	9
USGS	13190500	7/1/1992	12:45 USGS-WRD	20	21	H	9	9	9	9	9
USGS	13190500	7/1/1992	12:45 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/1/1992	12:45 USGS-WRD	61	1240	H	9	9	9	9	9
USGS	13190500	7/1/1992	12:45 USGS-WRD	95	91	H	9	9	9	9	9
USGS	13190500	8/5/1992	13:35 USGS-WRD	10	19.5	H	9	9	9	9	9
USGS	13190500	8/5/1992	13:35 USGS-WRD	20	32	H	9	9	9	9	9
USGS	13190500	8/5/1992	13:35 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	8/5/1992	13:35 USGS-WRD	61	289	H	9	9	9	9	9
USGS	13190500	8/5/1992	13:35 USGS-WRD	95	97	H	9	9	9	9	9
USGS	13190500	9/9/1992	16:30 USGS-WRD	20	24	H	9	9	9	9	9
USGS	13190500	9/9/1992	16:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	9/9/1992	16:30 USGS-WRD	61	302	H	9	9	9	9	9
USGS	13190500	9/9/1992	16:30 USGS-WRD	95	108	H	9	9	9	9	9
USGS	13190500	10/20/1992	13:25 USGS-WRD	10	12.5	H	9	9	9	9	9
USGS	13190500	10/20/1992	13:25 USGS-WRD	20	19	H	9	9	9	9	9
USGS	13190500	10/20/1992	13:25 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/20/1992	13:25 USGS-WRD	61	291	H	9	9	9	9	9
USGS	13190500	10/20/1992	13:25 USGS-WRD	95	117	H	9	9	9	9	9
USGS	13190500	12/10/1992	11:45 USGS-WRD	10	4	H	9	9	9	9	9
USGS	13190500	12/10/1992	11:45 USGS-WRD	20	-1	H	9	9	9	9	9
USGS	13190500	12/10/1992	11:45 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	12/10/1992	11:45 USGS-WRD	61	307	H	9	9	9	9	9
USGS	13190500	12/10/1992	11:45 USGS-WRD	95	123	H	9	9	9	9	9
USGS	13190500	1/21/1993	11:30 USGS-WRD	10	2	H	9	9	9	9	9
USGS	13190500	1/21/1993	11:30 USGS-WRD	20	4	H	9	9	9	9	9
USGS	13190500	1/21/1993	11:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/21/1993	11:30 USGS-WRD	61	282	H	9	9	9	9	9
USGS	13190500	1/21/1993	11:30 USGS-WRD	95	125	H	9	9	9	9	9

USGS	13190500	3/10/1993	10:30 USGS-WRD	10	3	H	9	9	9	9	9
USGS	13190500	3/10/1993	10:30 USGS-WRD	20	1	H	9	9	9	9	9
USGS	13190500	3/10/1993	10:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/10/1993	10:30 USGS-WRD	61	301	H	9	9	9	9	9
USGS	13190500	3/10/1993	10:30 USGS-WRD	95	124	H	9	9	9	9	9
USGS	13190500	7/9/1993	12:00 USGS-WRD	10	10	H	9	9	9	9	9
USGS	13190500	7/9/1993	12:00 USGS-WRD	20	29	H	9	9	9	9	9
USGS	13190500	7/9/1993	12:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/9/1993	12:00 USGS-WRD	61	1660	H	9	9	9	9	9
USGS	13190500	7/9/1993	12:00 USGS-WRD	95	75	H	9	9	9	9	9
USGS	13190500	8/26/1993	15:30 USGS-WRD	10	12	H	9	9	9	9	9
USGS	13190500	8/26/1993	15:30 USGS-WRD	20	27	H	9	9	9	9	9
USGS	13190500	8/26/1993	15:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	8/26/1993	15:30 USGS-WRD	61	608	H	9	9	9	9	9
USGS	13190500	8/26/1993	15:30 USGS-WRD	95	68	H	9	9	9	9	9
USGS	13190500	10/6/1993	14:35 USGS-WRD	10	14	H	9	9	9	9	9
USGS	13190500	10/6/1993	14:35 USGS-WRD	20	20	H	9	9	9	9	9
USGS	13190500	10/6/1993	14:35 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/6/1993	14:35 USGS-WRD	61	590	H	9	9	9	9	9
USGS	13190500	10/6/1993	14:35 USGS-WRD	95	68	H	9	9	9	9	9
USGS	13190500	11/10/1993	11:30 USGS-WRD	10	10	H	9	9	9	9	9
USGS	13190500	11/10/1993	11:30 USGS-WRD	20	11	H	9	9	9	9	9
USGS	13190500	11/10/1993	11:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	11/10/1993	11:30 USGS-WRD	61	282	H	9	9	9	9	9
USGS	13190500	11/10/1993	11:30 USGS-WRD	95	74	H	9	9	9	9	9
USGS	13190500	12/16/1993	14:30 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	12/16/1993	14:30 USGS-WRD	20	1	H	9	9	9	9	9
USGS	13190500	12/16/1993	14:30 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	12/16/1993	14:30 USGS-WRD	61	308	H	9	9	9	9	9
USGS	13190500	12/16/1993	14:30 USGS-WRD	95	84	H	9	9	9	9	9
USGS	13190500	1/13/1994	11:45 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	1/13/1994	11:45 USGS-WRD	20	3	H	9	9	9	9	9
USGS	13190500	1/13/1994	11:45 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/13/1994	11:45 USGS-WRD	61	310	H	9	9	9	9	9
USGS	13190500	1/13/1994	11:45 USGS-WRD	95	82	H	9	9	9	9	9
USGS	13190500	3/9/1994	15:00 USGS-WRD	10	6	H	9	9	9	9	9
USGS	13190500	3/9/1994	15:00 USGS-WRD	20	13	H	9	9	9	9	9
USGS	13190500	3/9/1994	15:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/9/1994	15:00 USGS-WRD	61	325	H	9	9	9	9	9
USGS	13190500	3/9/1994	15:00 USGS-WRD	95	85	H	9	9	9	9	9
USGS	13190500	6/10/1994	16:15 USGS-WRD	20	29	H	9	9	9	9	9
USGS	13190500	6/10/1994	16:15 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	6/10/1994	16:15 USGS-WRD	61	1550	H	9	9	9	9	9
USGS	13190500	6/10/1994	16:15 USGS-WRD	95	89	H	9	9	9	9	9
USGS	13190500	7/21/1994	16:00 USGS-WRD	10	12	H	9	9	9	9	9
USGS	13190500	7/21/1994	16:00 USGS-WRD	20	35	H	9	9	9	9	9
USGS	13190500	7/21/1994	16:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	7/21/1994	16:00 USGS-WRD	61	1620	H	9	9	9	9	9
USGS	13190500	7/21/1994	16:00 USGS-WRD	95	86	H	9	9	9	9	9
USGS	13190500	9/1/1994	10:15 USGS-WRD	10	16	H	9	9	9	9	9
USGS	13190500	9/1/1994	10:15 USGS-WRD	20	18	H	9	9	9	9	9
USGS	13190500	9/1/1994	10:15 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	9/1/1994	10:15 USGS-WRD	61	583	H	9	9	9	9	9
USGS	13190500	9/1/1994	10:15 USGS-WRD	95	93	H	9	9	9	9	9
USGS	13190500	10/19/1994	15:00 USGS-WRD	10	14	H	9	9	9	9	9
USGS	13190500	10/19/1994	15:00 USGS-WRD	20	17.5	H	9	9	9	9	9
USGS	13190500	10/19/1994	15:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	10/19/1994	15:00 USGS-WRD	61	286	H	9	9	9	9	9
USGS	13190500	10/19/1994	15:00 USGS-WRD	95	104	H	9	9	9	9	9
USGS	13190500	1/24/1995	10:25 USGS-WRD	10	2.5	H	9	9	9	9	9
USGS	13190500	1/24/1995	10:25 USGS-WRD	20	6	H	9	9	9	9	9
USGS	13190500	1/24/1995	10:25 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/24/1995	10:25 USGS-WRD	61	296	H	9	9	9	9	9
USGS	13190500	1/24/1995	10:25 USGS-WRD	95	113	H	9	9	9	9	9
USGS	13190500	4/18/1995	14:00 USGS-WRD	10	7	H	9	9	9	9	9
USGS	13190500	4/18/1995	14:00 USGS-WRD	20	18	H	9	9	9	9	9
USGS	13190500	4/18/1995	14:00 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	4/18/1995	14:00 USGS-WRD	61	628	H	9	9	9	9	9
USGS	13190500	4/18/1995	14:00 USGS-WRD	95	102	H	9	9	9	9	9
USGS	13190500	5/23/1995	12:40 USGS-WRD	10	10	H	9	9	9	9	9
USGS	13190500	5/23/1995	12:40 USGS-WRD	20	18	H	9	9	9	9	9
USGS	13190500	5/23/1995	12:40 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	5/23/1995	12:40 USGS-WRD	61	575	H	9	9	9	9	9
USGS	13190500	5/23/1995	12:40 USGS-WRD	95	91	H	9	9	9	9	9
USGS	13190500	1/23/1996	12:35 USGS-WRD	10	5	H	9	9	9	9	9
USGS	13190500	1/23/1996	12:35 USGS-WRD	20	2	H	9	9	9	9	9
USGS	13190500	1/23/1996	12:35 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	1/23/1996	12:35 USGS-WRD	61	610	H	9	9	9	9	9
USGS	13190500	1/23/1996	12:35 USGS-WRD	95	79	H	9	9	9	9	9
USGS	13190500	3/26/1996	10:15 USGS-WRD	10	4.3	H	9	9	9	9	9
USGS	13190500	3/26/1996	10:15 USGS-WRD	20	1.5	H	9	9	9	9	9
USGS	13190500	3/26/1996	10:15 USGS-WRD	28	1028	H	9	9	9	9	9
USGS	13190500	3/26/1996	10:15 USGS-WRD	61	2790	H	9	9	9	9	9
USGS	13190500	3/26/1996	10:15 USGS-WRD	95	84	H	9	9	9	9	9
USGS	13190500	1/15/1997	13:38 USGS-WRD	10	4.5	H	9	9	9	9	9
USGS	13190500	1/15/1997	13:38 USGS-WRD	20	-5.5	H	9	9	9	9	9
USGS	13190500	1/15/1997	13:38 USGS-WRD	28	1028	H	9	9	9	9	9

USGS	13190500	1/15/1997	13:38 USGS-WRD	61	1030		H	9	9	9	9	9
USGS	13190500	1/15/1997	13:38 USGS-WRD	95	79		H	9	9	9	9	9
USGS	13190500	3/6/1997	15:00 USGS-WRD	10	3.5		H	9	9	9	9	9
USGS	13190500	3/6/1997	15:00 USGS-WRD	20	4		H	9	9	9	9	9
USGS	13190500	3/6/1997	15:00 USGS-WRD	28	1028		H	9	9	9	9	9
USGS	13190500	3/6/1997	15:00 USGS-WRD	61	2980		H	9	9	9	9	9
USGS	13190500	3/6/1997	15:00 USGS-WRD	95	81		H	9	9	9	9	9

Form 238-2
3/95

091252

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 63-96-W-0540-000
Other IDWR No. 63-11514

2. OWNER: Don McFarland
Name BIG SKY PARTNERSHIP
Address 350 FALLS AVE
City TWIN FALLS State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 North ☒ or South ☐
Rge. 9 East ☒ or West ☐
Sec. 34, ____ 1/4 NWSW 1/4 NWSE 1/4 (SW) (NW)
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County ELMORE
Lat: : : Long: : :
Address of Well Site _____
City CAMAS
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
BENTONITE	0	19	8 sack	overbore

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12	1	19	250	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
234 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
150	435	440	8 hr

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
15	0	10	soil & brown clay		
15-12	10	45	gray lava		
12	45	54	red & brown lava		
12	54	157	gray lava		
12	157	228	brown & gray lava		
			some clay & cinder broken		X
12	228	326	gray lava		
12	326	355	black lava some tan clay		
12	355	410	black lava		
12	410	455	black lava & gray clay		
12	455	460	granite	X	

RECEIVED
AUG 30 1996
Department of Water Resources

RECEIVED
AUG 28 1996
WATER RESOURCES
WESTERN REGION

OCT 09 1996

Completed Depth 460' (Measurable)
Date: Started 8-20-96 Completed 8-26-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name HIDDLESTON & SON, INC. Firm No. 35

Firm Official _____ Date _____
and
Supervisor or Operator Ken Kosh Date 8-28-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Name [redacted]

Address C/O Mayfield Stage [illegible]se, ID 83709

Drilling Permit No. 61-92-W-035 000

Water Right Permit No. _____

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

Describe artesian or temperature zones below.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Well diameter increase ☐ Modification

☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Monitor

☐ Industrial ☒ Stock ☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary

☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 18" ~~feet~~	36 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation? _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☒ Yes ☐ No

Manufacturer Johnson Type Stainless Steel

Top Packer or Headpipe _____

Bottom of Tailpipe _____

4	.010	395	400

Diameter 4 Slot size .010 Set from 575 feet to 585 feet

Diameter 4 Slot size .010 Set from 545 feet to 555 feet

Gravel packed? ☒ Yes ☐ No ☐ Size of gravel 10/20

Placed from 375 feet to 605 feet

Surface seal depth 36 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Puddling clay ☐ _____

Sealing procedure used: ☐ Slurry pit

☐ Temp. surface casing ☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded

☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
15		1

9. LITHOLOGIC LOG

89196

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
12	0	2	Top Soil		
"	2	23	Sand		
"	23	36	Clay & Sandstone		
8	36	55	Clay & Sandstone		
"	55	74	Decomposed Granite		
"	74	75			
"	75	86	Decomposed Granite		
"	86	95	Decomposed Granite		
"	95	625	Decomposed Granite	X	

JUL 17 1992

Department of Water Resources
Western Regional Office

RECEIVED
DEC 04 1992
Department of Water Resources

10.

Work started 6-17-92 finished 6-29-92

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E

Subdivision Name _____

Lot No. _____ Block No. _____

EXHIBIT

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Hiddleston & Son, INC. Firm No. 35

Rt 3, Box 610-D

63

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp Rge Sec
1/4 1/4 1/4
Lat: : : Long: :

1. DRILLING PERMIT NO 885849-825791
Other IDWR No. D0038380

2. OWNER:
Name Big Sky Partnership C/O D. McFarland & T. Bullers
Address PO Box 268
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 1 North ☒ or South ☐
Rge. 9 East ☒ or West ☐
Sec. 33 NE 1/4 (10 acres) NW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't lot ____ County Elmore
Lat: : : Long: : :
Address of Well Site Little Camas Prairie
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	19.5	900 lbs	Overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16	+.5	19.5	.375	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Materia	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
334 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
			2 1/2

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered ____

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Y	N
20"	0	9.5'	Top soil		☒
20"	9.5'	11'	Gray lava		☒
20"	11'	15'	Broken up gray lava		☒
20"	15'	19.5'	Gray lava		☒
16"	19.5'	21'	Gray lava		☒
16"	21'	22.5'	Broken up		☒
16"	22.5'	23'	Gray lava		☒
16"	23'	116'	Broken up gray and brown lava		☒
16"	116'	324'	Broken up gray and brown lava		☒
			some quartz, some olivene some tan clay		
16"	324'	387'	Black lava		☒
16"	387'	470'	Black lava, gray and brown cinders	☒	
			with some tan clay		
16"	470'	497'	Granite		☒

RECEIVED
JAN 19 2005
WATER RESOURCES
WESTERN REGION

Completed Depth: 492 (Measurable)
Date: Started 11-02-04 Completed 12-29-04

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 1-11-05
Supervisor or Operator [signature] Date 1-17-05
(Sign once if Firm Official & Operator)

0650 9

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

0000727

1. DRILLING PERMIT NO. 63-98-W-0358-501
Other IDWR No. 63-11514

2. OWNER:
Name BIG SKY PARTNERSHIP
Address 350 FALLS AVE.
City TWIN FALLS State ID Zip 83647

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W [X] E
S

Twp. 1 North X or South ☐
Rge. 9 East X or West ☐
Sec. 33 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't lot _____ County ELMORE
Lat: : : Long: : :
Address of Well Site HWY 20 BEHIND LITTLE CAMAS
City _____
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor X Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well XModify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary XCable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
BENTONITE	0	32	25 sacks	OVERBORE

Was drive shoe used? ☐ Y X N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y X N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16	+1	32	250	STEEL	X	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
237 below ground
Depth flow encountered
ft.
Artesian Pressure _____ lb
Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
20	0	32	SAME AS ORIGINAL LOG		
16	32	465	SAME AS ORIGINAL LOG		

RECEIVED
JUL 15 1998
WATER RESOURCES
WESTERN REGION
RECEIVED
JUL 21 1998
Department of Water Resources
MICROFILMED
SEP 23 1998

Completed Depth: 465' (Measurable)
Date: Started 06-15-98 Completed 07-08-98

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name HIDDLESTON & SON, INC. Firm No. 35
Firm Official [signature] Date 07/13/98
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

Form 238-7
3/95

WR C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 57030

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 63 - 96 - W - 0541 - 000
Other IDWR No. 63-11514

2. OWNER: Dan McFarland
Name BIG SKY PARTNERSHIP
Address 350 FALLS AVE
City TWIN FALLS State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 North ☒ or South ☐
Rge. 9 East ☒ or West ☐
Sec. 33, ____ 10 acres 1/4 SE 40 acres 1/4 NE 160 acres 1/4
Gov't Lot ____ County ELMORE
Lat: : : Long: : :
Address of Well Site _____
City CAMAS
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
BENTONITE	0	24	8 sack	OVERBORE

Was drive shoe used? ☐Y ☒N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☐N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12	+1	24	250	STEEL	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
252 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1780	380	450	6 hr.

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
15	0	6	soil		
15	6	17	broken lava & boulder		
15	17	22	brown clay & some gravel		
12	22	44	gray lava		
12	44	52	brown lava & broken		
12	52	116	gray lava		
12	116	365	broken gray & brown lava		
			some clay		
12	365	438	black lava some clay		
12	438	452	brown clay		
12	452	467	gray clay		
12	467	545	black lava & some clay		
12	545	550	granite & some gravel		

RECEIVED
SEP 26 1996
Department of Water Resources
RECEIVED
MICROFILMED SEP 09 1996
NOV 27 1996 WATER RESOURCES WESTERN REGION

Completed Depth 550' (Measurable)
Date: Started 8-26-96 Completed 8-30-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name HIDDLESTON & SON, INC Firm No. 35
Firm Official Ken Koch Date 9-5-96
and
Supervisor or Operator Ken Koch Date 9-5-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

RECEIVED
SEP 18 1957
Department of Reclamation

Permit No. _____

(DO NOT FILL IN)

Owner B. R. Stocking Address Gannett

Driller Eugene W Walker Address Twin Falls Lic. No. 15

Location of Well: LOT 1 NE ¼ SE ¼ Sec. 5, T. 1 ~~N~~/S, R 19 ~~E/W~~ BLAINE County,

and 50 feet ~~N~~/S, and 800 feet ~~E~~/W from NE Corner of LOT 1 NE ¼ SE ¼ Sec. 5

Size of Drilled Hole 20 Total depth of Well 80

Give depth of standing water from surfaace 14½ Water Temp. 52 °Farenheit

On pumping test delivery was See notes g.p.m. or _____ c.f.s. Drawdown was 18 feet.

Size of pump and motor used to make the test 50 HP

Length of time pumped during check was Permanent hr., _____ minutes.

If flowing well, give flow in c.f.s. — or g.p.m. — and shut in pressure —

If flowing well, describe control works —
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation Weight of casing per linear foot 65 lb

Thickness of casing 5/16 Casing material Steel
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing _____
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations 1710 located 19 feet to 77 feet from surface of ground.

Other perforations _____

Date of commencement of well 29 July 1957 Date of completion of well 6 Aug 1957

Type of well rig Churn

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Permanent Pump delivers about 4200 G.P.M. with 50 H.P.

LOT 1 NE SE S.5 1S 19E

SE NE

From Feet	To Feet	Type of Material	Drilling Time		Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
			Hrs.	Min.		
0	32	Pit				
32	50	Clean gravel & sand	10	10	yes	yes
50	51	Clay & gravel	1		No	yes
51	70	Clean gravel & sand	10		yes	yes
70	80	Clean Course gravel & sand	5	40	yes	yes
		If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed Eugene W Walker

By

License No. 15

Dated 15 Sept, 1957

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. - - - - 70856
Other IDWR No. D0018883 871524777359 OLD #

2. OWNER:
Name Don McFarland
Address P.O. Box 1578
City Twin Falls State ID Zip 83303

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E
S

Twp. 1 North ☐ or South X
Rge. 9 East X or West ☐
Sec. 4 1/4 (10 acres) NW 1/4 (40 acres) SE 1/4 (160 acres)

Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site Little Camas Resevoir
City Mtn Home
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify X Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Hole Plug	82	300	1600 lbs	Pour
Granular Bentonite	82	7	600 lbs	Pour
Pellets	7	4	5 Gallons	Pour

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
___ ft. below ground Artesian Pressure ___ lb
Depth flow encountered ___ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Y	N
			32 Bags Hole Plug		
			6 Bags Granular Bentonite		
			Welded lid on top.		

RECEIVED
MAY 09 2003
WATER RESOURCES
WESTERN REGION

Completed Depth: _____ (Measurable)
Date: Started 5-23-02 Completed 5-23-02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official [signature] Date 5-31-02
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

Form 238-7
3/95-C96

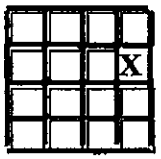
IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. __ - __ - __ - ____ - ____
Other IDWR No. D0015081

2. OWNER:
Name Big Sky Partnership #4
Address 350 Falls Ave
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W  E
S

Twp. 1 North X or South ☐
Rge. X East X or West ☐
Sec. 33 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)

Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site _____
City Camas
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor X Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well X Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary X Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	24	2800 lbs	Overbore

Was drive shoe used? ☐ Y X N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16"	+2	24	250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
252 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
1780			6 hr.

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered 252

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
19"	0	6	Top Soil		X
19	6	17	Broken Lava & Boulder		X
19	17	22	Brown Clay & Some Gravel		X
19	22	24	Lava		X
16	24	44	Lava		X
16	44	52	Brown Lava & Broken		X
16	52	116	Lava		X
16	116	365	Brown Lava w/ Some Clay	X	
16	365	438	Black Lava w/ Some Clay	X	
16	438	452	Brown Clay		X
16	452	467	Gray Clay		X
16	467	545	Black Lava w/ Some Clay	X	
16	545	550	Granite & Some Gravel	X	

RECEIVED
SEP 29 2000
WATER RESOURCES
WESTERN REGION

RECEIVED
AUG 14 2000
WATER RESOURCES
WESTERN REGION

Completed Depth: 550' (Measurable)
Date: Started 5/11/00 Completed 6/30/00

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official _____ Date 8/16/00
Supervisor or Operator _____ Date 7/6/00
(Sign once if Firm Official & Operator)

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. ___-___-___-____-____
Other IDWR No. D0015081

2. OWNER:
Name Big Sky Partnership #4
Address 350 Falls Ave
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W E
S

Twp. 1 North X or South ☐
Rge. X East X or West ☐
Sec. 33 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't lot _____ County Elmore
Lat: : : Long: : :
Address of Well Site _____
City Camas
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor X Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well X Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary X Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	24	2800 lbs	Overbore

Was drive shoe used? ☐ Y X N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Materia	Casing	Liner	Welded	Threaded
16"	+2	24	250	Steel	X	☐	X	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Materia	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
252 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ . Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
1780			6 hr.

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered 252

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
19"	0	6	Top Soil		X
19	6	17	Broken Lava & Boulder		X
19	17	22	Brown Clay & Some Gravel		X
19	22	24	Lava		X
16	24	44	Lava		X
16	44	52	Brown Lava & Broken		X
16	52	116	Lava		X
16	116	365	Brown Lava w/ Some Clay	X	
16	365	438	Black Lava w/ Some Clay	X	
16	438	452	Brown Clay		X
16	452	467	Gray Clay		X
16	467	545	Black Lava w/ Some Clay	X	
16	545	550	Granite & Some Gravel	X	

RECEIVED
SEP 29 2000
WATER RESOURCES
WESTERN REGION

RECEIVED
AUG 14 2000
WATER RESOURCES
WESTERN REGION

Completed Depth: 550' (Measurable)
Date: Started 5/11/00 Completed 6/30/00

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Hiddleston & Son, Inc. Firm No. 35
Firm Official _____ Date 8/6/00
Supervisor or Operator _____ Date 7/6/00
(Sign once if Firm Official & Operator)

877359

Form 238-7
3/95-C96

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. - - - -
Other IDWR No. **D0018883 871524777359**

2. OWNER:
Name **Don McFarland**
Address **P.O. Box 1578**
City **Twin Falls** State **ID** Zip **83303**

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N
W X E
S

Twp. 1 North ☐ or South X
Rge. 9 East X or West ☐
Sec. 4 1/4 (10 acres) NW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't lot _____ County **Elmore**
Lat: : : Long: : :
Address of Well Site **Little Camas Reservoir**
City **Mtn Home**
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
X Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify X Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Hole Plug	82	300	1600 lbs	Pour
Granular Bentonite	82	7	600 lbs	Pour
Pellets	7	4	5 Gallons	Pour

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
82 ft. below ground Artesian Pressure ____ lb
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repair or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temp.	Water Y	Water N
			32 Bags Hole Plug		
			6 Bags Granular Bentonite		
			Welded lid on top.		

RECEIVED
JUN 04 2002
WATER RESOURCES
WESTERN REGION

Completed Depth: 0 (Measurable)
Date: Started 5/23/02 Completed 5/23/02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name **Hiddleston & Son, Inc.** Firm No. 35
Firm Official _____ Date 5-31-02
Supervisor or Operator _____ Date _____
(Sign once if Firm Official & Operator)

Form 238-7
3/95

WR C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

94353

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 63 - 96 - W - 0334 - 000
Other IDWR No. 63-11514

2. OWNER:
Name BIG SKY PARTNERSHIP
Address P.O. BOX 268
City EDEN State ID Zip 83325
350 Falls Ave Twin Falls 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 1 North ☒ or South ☐
Rge. 9 East ☒ or West ☐
Sec. 33, SE 1/4 (10 acres) NE 1/4 (40 acres) ____ 1/4 (160 acres)
Gov't Lot ____ County ELMORE
Lat: : : Long: : :
Address of Well Site _____
City CAMAS
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
BENT	0	19	8 sack	OVERBORE

Was drive shoe used? ☐Y ☐N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☐N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12	+1	19	250	STEEL	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
237 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1300	300	440	4 HRS

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
15	0	7	soil & brown clay		
15	7	15	gravel & brown clay		
12	15	27	gray lava		
12	27	31	gray & reddish cinder		
12	31	55	gray cinder & lava		
12	55	63	brown lava		
12	63	98	gray lava		
12	98	163	broken gray lava with tan clay		
12	163	395	black lava broken		
12	395	417	gray clay		
12	417	430	black lava		
12	430	455	brown lava		
12	455	465	granit salt & pepper		

RECEIVED
JUL 30 1996
Department of Water Resources
RECEIVED
JUL 12 1996
WATER RESOURCES WESTERN REGION
SEP 11 1996

Completed Depth 458' (Measurable)
Date: Started 6-24-96 Completed 7-02-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name HIDDLESTON & SON, INC. Firm No. 35
Firm Official Ken Kahl Date 7-10-96
and
Supervisor or Operator Ken Kahl Date 7-10-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Pg 1 of 2

Form 238-C
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

RECEIVED
JUL 13 1994
54992

1. DRILLING PERMIT NO. 36-94-S-0063-000
Other IDWR No.

2. OWNER:
Name CYRUS - VIRGINIA BULLERS
Address 835 So. 1300 E
City Eden, Idaho 83325 Zip

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 S North ☐ or South ☐
Rge. 19EBM East ☐ or West ☐
Sec. 7, 10 acres 1/4 SW 40 acres 1/4 NE 160 acres 1/4
Gov't Lot ____ County

Address of Well Site Hwy 25
City Eden
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	-18		

Was drive shoe used? N, Y ☐ N ☒
Was drive shoe seal tested? Y ☐ N ☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8OD-7	-21	4'10"	.250	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
205 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

FEB 10 1995

11. WELL TESTS: NONE
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp.
Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	7'3"	TopSoil		X
	7'3"	24	Gray Basalt		
	24	35	Gray Basalt Broken		
	35	39	Gray Basalt		
	39	41	Large Breaks & Clay		
	41	55	Gray Basalt w/small breaks-porou		
	55	57	Gray Basalt w/large breaks		
	57	64	Pink Basalt porous-sm. breaks		
	64	72	Pink & Gray Basalt		
	72	78	Brown Basalt large breaks		
	78	82	Med Hard		
	82	83	Large breaks crevice		
	83	85	Med Hard		
	85	101	Large Breaks & crevice		
	101	112	Med Hard		
	112	115	Med Hard Large breaks		
	115	126	Med Hard w/small breaks		
	126	131	Med Hard Large breaks		
	131	134	Med hard small breaks		
	134	136	Large Breaks crevice		
	136	143	Med Hard small breaks		
	143	158	Med Hard Large breaks		
	158	159	Crevice		
	159	163	Med Hard		
	163	164	Crevice		
	164	170	Med Hard small breaks		
	170	179	Med Hard Large breaks		
	179	189	Med Hard w/small breaks		
	189	190	Crevice		
	190	199	Med Hard		
	199	209	soft		
	209	214	Med hard		
6	214	219	MLarge breaks Crevice		X

Completed Depth 290 (Measurable)
Date: Started 4/18/94 Completed 5/14/94

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11
Firm Official [signature] Date 5/14/94
and
Supervisor or Operator [signature] Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238
1994

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
JUL 13 1994
Department of Water Resources

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36-94-S-0063-000
Other IDWR No.

2. OWNER:
Name
Address
City State Zip

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9S North ☐ or South ☐
Rge. 19E East ☐ or West ☐
Sec. 7, 10 acre 1/4 SW 40 acre 1/4 NE 160 acre 1/4
Gov't Lot County

Address of Well Site
City
(Give at least name of road + Distance to Road or Landmark)

Lt. Blk. Sub. Name

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☐ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? Y☐ N☐
Was drive shoe seal tested? Y☐ N☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices:

11. WELL TESTS: 54993
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. Bottom hole temp.
Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6			CONTINUED FROM PAGE 1		
6	219	224	Med Hard small breaks		X
6	224	229	Med Hard		
	229	232	Med Hard large breaks	X	
	232	234	Med Hard		X
	234	241	Med Hard small breaks	X	
	241	246	Med Hard large breaks	X	
	246	253	Med Hard		X
	253	261	Med Hard small breaks	X	
	261	265	Med Hard large breaks	X	
	265	269	Med Hard small breaks		
	269	277	Med Hard		
	277	282	Med Hard Breaks		
	282	286	Med Hard		
	286	291	Large breaks		
	291	295	Small breaks		
	295	304	Med Hard sm&lg. Breaks	X	

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Department of Water Resources
Southern Region Office

FEB 10 1995

Completed Depth (Measurable)
Date: Started Completed

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Firm No.
Firm Official Date
and
Supervisor or Operator Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238
9/82

RECEIVED
MAY 19 1986
State Water Resources Board

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

87981

1. WELL OWNER

Name Larry Anderson

Address RFD Eden, Ida

Owner's Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☑ Other Geothermal (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	3 inches	1900 feet	2160 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☑ Yes ☐ No on top 3" liner
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☑ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☑ Torch
Size of perforation 1/4 inches by 8 inches

Number		From	To
150	perforations	2160 feet	2100 feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL Andersons Camp

Sketch map location must agree with written location.

N / W / E / S / X

Subdivision Name _____
Lot No. _____ Block No. _____

County Jerome

SE ¼ SE ¼ Sec. 1, T. 9 N/S, R. 18 E/W

7. WATER LEVEL

Static water level 191 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 104 °F. Quality good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☑ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
27	400	72

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4"	1980	1989	Dark grey clay w/ thin		X
			Shale layers		
	1989	1991	Grey Shale		
	1991	2012	Dark grey clay w/ thin		
			layers of Shale		
	2012	2045	Light blue-grey clay		
	2045	2051	Dark grey clay		
	2051	2063	Dark grey Shale		
	2063	2112	Light grey clay		
	2112	2119	Light grey Sand		
	2119	2156	Grey Shale w/ alternating		
			layers of grey Sand	X	
	2156	2160	Grey-green rock		X
			rock is fine grained		
			and very hard		

RECEIVED
MAY 23 1986
Department of Water Resources

10.

Work started 1 Feb 1986 finished 10 March 1986

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Date 10 May 1986
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name John Abercrombie
Address 1680 Hunt Rd Jerome, Id
Drilling Permit No. 36-92-5-099
Water Right Permit No. _____

2. NATURE OF WORK
☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE
☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION
Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

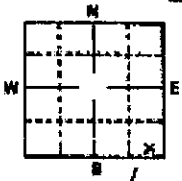
Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SE ¼ Sec. 35 T. 8 N ☐ S ☑ R. 19 E ☑ W ☐

7. WATER LEVEL
Static water level 185 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 64 °F. Quality good
(Describe artesian or unusual water bearing zones below)

8. WELL TEST DATA
☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	185	1

9. LITHOLOGIC LOG 84502

Hole Diam.	Depth From	Depth To	Material	Water Yes/No
6	183	215	Grey basalt	X
	215	223	Grey Sand & hard brown clay	X
	223	234	Grey basalt	X
	234	237	Grey Sand	X

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APR 20 1992
Department of Water Resources
Eastern Region Office

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DEC 07 1992

10. Work started 15 April Finished 17 April 1992

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Baley & Henry Firm No. 86
Address Montpelier Id Date 18 Apr 1992
Signed by (Firm Official) Blaine Baley
and
(Operator) Blaine Baley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

RECEIVED

JUN 7 1968

Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Russell Anderson
Address Twin Falls, Ida.

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: domestic
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ___ Welded ___
6⅝ "Diam. from 0 ft. to 28 ft.
___ "Diam. from ___ ft. to ___ ft.
___ "Diam. from ___ ft. to ___ ft.
___ "Diam. from ___ ft. to ___ ft.
Thickness of casing: 188 Material:
Steel ☑ concrete ☐ wood ☐ other ☐

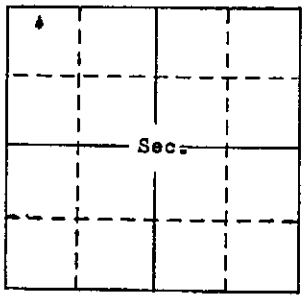
(explain)
PERFORATED? Yes ☐ No ☐ Type of perforator used:

Size of perforations: ___ " by ___ "
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. ___ Slot size ___ Set from ___ ft. to ___ ft.
Diam. ___ Slot size ___ Set from ___ ft. to ___ ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No. ☐ size of gravel ___ Gravel placed from ___ ft. to ___ ft. Surface seal provided? Yes ☐ No ☐ To what depth? ___ ft. Material used in seal:

Did any strata contain unusable water? Yes ☐ No. ☑ Type of water:
Depth of strata ___ ft. Method of sealing strata off:

Surface casing used? Yes ☑ No. ☐
Cemented in place? Yes ☑ No ☐

Locate well in section



LOCATION OF WELL: County Twin Falls
NW¼ NW¼ Sec. 14 T. 9 N/S R. 19 E/W

Size of drilled hole: 6" Total depth of well: 99' Standing water level below ground: 50' Temp. Fahr. ___ ° Test delivery: ___ gpm or ___ cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:

Length of time of test: ___ Hrs. ___ Min.
Drawdown: ___ ft. Artesian pressure: ft. above land surface ___ Give flow ___ cfs or ___ gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	18	top soil	
18	21	soft rock	
21	27	boulders (caving)	
27	30	gray lava (hard)	
30	35	red lava	
35	40	red lava	
40	45	gray lava	
45	56	gray lava	
56	63	black lava	
63	70	gray lava	
70	75	soft clay + cinders	
75	80	soft clay + cinders	
80	90	gray lava	
90	93	Black lava	
93	99	cinders (talc)	

050365

Work started: April 7-1968
Work finished: April 10-1968
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: James [illegible]
Address: Twin Falls, Ida.
Signed by: James N. Moore
License No. 81 Date: 6-5-68

Use other side for additional remarks

1563

36
22

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
APR 21 2004
Department of Water Resources
Southern Region

Office Use Only	
Well ID No.	
Inspected by	
Twp	Rge Sec
1/4	1/4 1/4
Lat: : :	Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. 81234?
Water Right or Injection Well No. _____

2. OWNER:
Name Walter Bahner
Address 2078 State Highway 25
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9S North ☐ or South ☐
Rge. 19E East ☐ or West ☐
Sec. 28 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot _____ County _____
Lat: : : Long:
Address of Well Site 2078 State Highway
City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☐ Other CF

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite			172 Bags	Poured
Washed Gravel			3000#	Poured

Was drive shoe used? ☐Y ☐N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☐N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐Y ☐N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method _____
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	100	Bentonite		X
8	100	150	Washed Gravel		X
8	150	200	Bentonite		X
8	200	250	Washed Gravel		X
8	250	335	Bentonite	X	
8	335	340	Bentonite		

Completed Depth _____ (Measurable)
Date: Started 4/2/04 Completed 4/9/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed:
Company Name Floyd Lilly Co Firm No. _____
Principal Driller Brent Payton Date 4/9/04
and
Driller or Operator II _____ Date _____
Operator I _____ Date _____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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App 80523

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030256
DRILLING PERMIT NO. 81182
Water Right or Injection Well No. ID 3825.24

2. OWNER:
Name Walter Bahner
Address 2078 State Highway 25
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 28, ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 2078 State Highway 25
City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	18	4 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
340 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	11	Topsoil		x
	11	18	Gray basalt		x
6"	18	31	Gray basalt		x
	31	340	Fractured, cinder beds		
			lost circulation		x
	340	405	Fractured basalt	x	
			Actual bore hole diameter		
			is 8-3/4" and 6-1/8"		

CP

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MAR 24 2004
Department of Water Resources
Southern Region

Completed Depth 405 ft. (Measurable)
Date: Started 3-22-04 Completed 3-22-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 3-24-04
and
Driller or Operator II CRAIG EGAN Date 3-24-04
Operator I Lloyd Hayden Date 3-24-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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Basin 47 App 875[illegible] Per 794417 ID 3[illegible]373

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

CA

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0023602

DRILLING PERMIT NO. 794417

Other IDWR No. _____

2. OWNER:

Name Bruce Banks

Address 3803 N. 2544 E.

City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒

Rge. 18 East ☒ or West ☐

Sec. 36 ____ 1/4 (10 acres) NW 1/4 (40 acres) SW 1/4 (160 acres)

Gov't Lot _____ County Twin Falls

Lat: Long:

Address of Well Site 2615 E. 4128 N.

_____ City Twin Falls

(Give at least name of road + Distance to Road or Landmark)

Lt. 3 Blk. _____ Sub. Name Rock Creek Est.

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite	0	19	200 lbs.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6"	+2	19	.250	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 2' Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____

☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

44 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85

Water Quality test or comments: _____

Depth first Water Encounter 55'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	top soil		
8	3	18	medium hard lava		
6	18	25	medium lava		
6	25	37	soft broken lava		
6	37	51	medium lava		
6	51	55	soft lava, talc & cinders	X	
6	55	65	medium brown lava		
6	65		soft red lava & cinder		
		72	pockets	X	
6	72	85	soft red lava	X	
6	85	95	medium lava		
6	95	102	soft lava, cinders & ash	X	
6	102	118	soft brown lava	X	
6	118	122	soft ash & talc	X	
6	122	145	soft lava & talc	X	
6	145	152	soft lava, breaks & talc	X	
6	152	159	medium lava		
6	159	167	soft lava & talc	X	

RECEIVED
APR 17 2003
Department of Water Resources
Southern Region

Completed Depth 167' (Measurable)

Date: Started 3/6/2003 Completed 3/6/2003

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26

Firm Official [signature] Date 3/6/2003

and

Driller or Operator [signature] Date 3/6/2003

(Sign once if Firm Official & Operator)

Helper [signature]

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name CLIFTON BARNARD

Address Eden Idaho via Dehoy

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☒ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port through top of well seal

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SW ¼ SW ¼ Sec. 22, T. 9 N(S) R. 19 E/W.

7. WATER LEVEL

Static water level 138 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
50		

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	0	1	topsoil		
	1	17	gray lava solid		
	17	28	gray lava hard		
6	28	52	brown lava solid		
	52	64	brown lava firm		
	64	81	brown lava hard		
	81	84	red cinders & clay		
	84	89	brown lava firm		
	89	102	brown lava hard		
	102	151	brown lava solid		
	151	158	brown lava cinders (soft)	x	
	158	165	gray lava hard		
	165	167	gray lava cinders loose	x	
	167	176	gray lava solid		
	176	179	cinders	x	

RECEIVED
APR 23 1987
Department of Water Resources

RECEIVED
APR 15 1987
Department of Water Resources
Southern Region Office

052811

10.

Work started 7-9-86 finished 7-19-86

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SHERMAN COUCH WELL DRILLING Firm No. 161
Address 340 Wauna Vista Dr BURLEY IDAHO Date 8-1-86
Signed by (Firm Official) Sherman Couch
and
(Operator) Sherman Couch

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

MICROFILMED
MAR 09 1988

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

CA

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. 36 - - - 784307
Other IDWR No. App 873268; ID 355368

2. OWNER:
Name Liz Batcha
Address 826-B East 100 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 21, ____ 1/4 SW 1/4 SW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 826-B East 100 South
(Give at least name of road + Distance to Road or Landmark)
City Jerome

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	260	57 S	Poured

Was drive shoe used? ☐Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
248 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			Abandonment		
			Old well that was pumping dry was inside of a well house. Old well was 260 ft. deep and was filled with 57 sacks of bentonite and a 1 ft. cement plug poured on top.		

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AUG 28 2002
Department of Water Resources

Completed Depth _____ (Measurable)
Date: Started 8-23-02 Completed 8-23-02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 8-26-02
and
Driller or Operator Craig Egan Date 8-26-02
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36
App 87749
ID 3498 63

Rev 78122

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

CA

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023086
DRILLING PERMIT NO. ____-____-__-_____-_____
Other IDWR No. _____

2. OWNER:
Name Liz Batcha
Address 826-B East 100 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 21, SE 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 826-B East 100 South City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	18	3 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	98	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
259 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	7	Topsoil		x
	7	45	Gray basalt		x
	45	51	Brown ash & cinders		x
	51	98	Gray basalt		x
6"	98	119	Gray basalt		x
	119	122	Crevice, lost circulation		x
	122	291	Fractured basalt		x
	291	305	Cinders	x	

RECEIVED
JUN 12 2002
Department of Water Resources
Southern Region

Completed Depth 305 ft. (Measurable)
Date: Started 6-6-02 Completed 6-6-02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 6-11-02
and
Driller or Operator CRAIG EGAN Date 6-11-02
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ren Beem

Address Eden

Owner's Permit No. 36-89-C-007-880

2. NATURE OF WORK Inj. 36-W-0157-001

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)
☒ ~~Waste Disposal~~ Injection

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☒ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness		Diameter		From		To	
.025	inches	6 5/8	Inches +	1	feet	19½	feet
	inches		inches		feet		feet
	inches		inches		feet		feet
	inches		inches		feet		feet

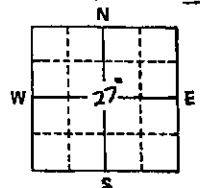
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number		From		To	
	perforations		feet		feet
	perforations		feet		feet
	perforations		feet		feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19½ Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____

County Jerome
SW¼ NE¼ Sec. 27, T. 8 N ☐ S ☒, R. 19 E ☒ W ☐

7. WATER LEVEL

Static water level — feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature — °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top Soil		X
8	2	19½	Gray lava		X
6	19½	23	Hard Bl Lava		X
6	23	29	Soft Red Lava		X
6	29	49	Med Hard Bl Lava		X
6	49	52	cinders		X
6	52	60	Med Hard Bl Lava		X
6	60	64	Soft Red Sand		X
6	64	72	Soft Bl Lava		X
6	72	80	Soft Red Sand		X
6	80	91	Soft Brown sand		X
6	91	100	Gray clay		X

RECEIVED
JAN 12 1990
Department of Water Resources
Southern Region Office

MICROFILMED
JUN 13 1990

10. Work started 1st Dec 89 finished 4th Dec 89

11. DRILLERS CERTIFICATION OL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Address Wendell Date 20th Dec. 89
Signed by (Firm Official) _____
and
(Operator) Robert Peterson

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

pf

JUL - 5 1988

gm

Department of Water Resources

1. WELL OWNER

Name Ken Beem

Address Eden

Owner's Permit No. Injection # 36-83-155 Drill # 36-83-X-004

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☒ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.025 inches	6 5/8 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

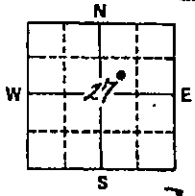
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☒ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SW ¼ NE ¼ Sec. 27, T. 8 S, R. 19 E/W

7. WATER LEVEL

Static water level 0 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	19	Gray Lava		X
6	19	23	Gray Lava		X
	23	28	Red Sand		X
	28	42	Black Lava		X
	42	45	Red Sand		X
	45	56	Red Lava		X
	56	74	Black Lava		X
	74	78	Brown Sand		X
6	78	87	Black Lava		X

RECEIVED
JUN 20 1988
Department of Water Resources
Southern Region Office

10.

Work started June 10 finished June 13 88

11. DRILLERS CERTIFICATION

dd

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Address Wendell Date 6-28-88
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
9-92

RECEIVED
JUL 15 1993
Department of Water Resources
Southern Region Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
JUL 28 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State Water Resources requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

pg 1 of 2

1. WELL OWNER

Name Steve Beem

Address 364 S 1800E, Jerome, Idaho 83338

Owner's Permit No. 36-93-S-0244

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/80 D inches +	2 feet	169 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

FEB 09 1994

N / W / E / S / X

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SE ¼ Sec. 27, T. 8S N/S, R. 19E E/W.

7. WATER LEVEL

Static water level 180 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 70311

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	1	Top Soil		X
	1	4	Gray Basalt		
	4	5	Brown Clay		
	5	36	Gray Basalt		
	36	45	Pink Basalt large breaks		
	45	46½	Crevice		
	46½	49	Med Hard		
	49	50	Large breaks		
	50	57	Med hard Gray Basalt		
	57	68	Gray Basalt Tan Clay		
	68	76	Gray Basalt		
	76	104	Gray Basalt & Tan Clay		
	104	108	Clay		
	108	114	Gray Basalt w/sm.breaks - Clay		
	114	124	Med Hard Gray Basalt		
	124	134	GrayBasalt		
	134	142	Gray BAsalt w/small breaks		
	142	150	Gray-Brown Basalt sm.breaks-tan clay-porous		
	150	151	Crevice		
	151	156	Med Hard		
	156	161	Med Hard small breaks		
	161	164	Gray Basalt		
	164	169	Gray Basalt small breaks		
6	169	176	Med Hard Gray Basalt		X
	176	178	Large Breaks	X	
	178	181	MHBrown&Gray BAsalt	X	
	181	184	Med Hard Gray Basalt		
	184	190	Pink Basalt		
	190	204	Gray Basalt		
	204	215	Gray BAsalt small breaks		
	215	223	Med Hard Gray Basalt		
	223	227	Med Hard Gray Basalt w/sm.breaks		
	227	228	Crevice	X	
	228	234	Pink Basalt porous sm.breaks		
	234	237	Crevice	X	
	237	241	Med Hard Large Breaks	X	

10. C O N T I N U E D O N N E X T P A G E

Work started 6/28/93 finished 6/30/93

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

SMITH DRILLING & PUMP CO., INC.
Firm Name _____ Firm No. 11

Address Jerome Date 7/15/93

Signed by (Firm Official) [signature]

and

(Operator) Melton Robbins

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Dnm 23577
162

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED JUL 28 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

Dg 2062

1. WELL OWNER CONTINUED FROME PAGE 1

Name Steve Beem

Address Jerome

Owner's Permit No. 36-93-5-0244

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☑ Cemented between strata
Describe access port _____

7. WATER LEVEL

Static water level _____ feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG CONTINUED 70312

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	241	243	Med Hard	X	
	243	248	Med Hard large breaks		
	248	257	Med Hard		
	257	258	Crevice		
	258	262	Med Hard		
	262	264	Large breaks		
	264	268	Broken & Loose	X	

FEB 09 1994

10.

Work started _____ finished _____

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name _____ Firm No. _____
Address _____ Date _____
Signed by (Firm Official) _____
and
(Operator) _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N
W E

Subdivision Name _____
Lot No. _____ Block No. _____

County Jerome

SE ¼ SE ¼ Sec. 22, T. 85 N/S, R. 19E E/W.

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

4744

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. _____ Well No. _____ County Jerome

Owner Frank Beer

Address Jerome, Idaho

Driller J. Emmett Smith

Address 365 West Main Street Jerome, Idaho

Well location E ½ NE ¼ Sec. 29, T. 8 N/S, R. 18 E/W

Size of drilled hole 6"

Total depth of well 388

Locate well in section

NW¼	NE¼ X
SW¼	SE¼

Give depth to standing water from the ground 337 Water temp. _____ °Fahr.

On "Pumping Test" delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make test _____

Length of time of test 1 hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic Purposes Weight of casing per lineal foot 19.18

Thickness of casing .278 Casing material Steel (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing Casing is 365' long in the top 365' of hole. 4½OD (CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
4½OD	8	365'	365'	Driven with 4½" OD drive shoe

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well May 6, 1961 Date of completion of well May 29, 1961

E ½ NE S.29 8S 18E

150

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	4	Dirt	No	No
4	41	Grey Lava	No	No
41	42	Crevice	No	NO
42	73	Grey Lava	NO	No
73	75	Brown Lava	No	No
75	80	Loose Lava	Yes	No
80	95	Grey Lava	No	No
95	96	Crevice	No	No
96	125	Red Lava	No	No
125	135	Grey Hard Lava	No	No
135	136	Crevice	No	No
136	159	Hard Lava	No	No
159	160	Soft Red Lava	No	No
160	167	Porous Lava	No	No
167	190	Hard Grey Lava	No	No
190	191	Crevice	No	NO
191	205	Red Lava	NO	No
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated July 1, 1961, 19

47444

SHEET NO. 2

Well Owner Frank Beer

Well Driller J. Emmett Smith

Well Location e½ ne¼ 29-8-18

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
205	259	Hard grey Lava with numerous openings	No	No
259	265	Hard Grey Lava	No	No
265	268	Crevice	No	No
268	292	Hard Grey Lava	No	No
292	295	Crevice	No	No
295	315	Hard Grey Lava	No	No
315	318	Openings	No	No
318	325	Hard Grey Lava	No	No
325	342	Loose Water Bearing cinders	Yes	No
342	350	Grey Lava	No	No
350	358	Sand and Pea Gravel	No	No
358	387	Coarse Grey Lava	Yes	No
387	388	Crevice	Yes	No

USGS

E2 NE S. 29 8S 18E

150

Form 238-7 1/97

App 888177

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Offical Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D - D0036500
DRILLING PERMIT NO. 832870
Other IDWR No.

2. OWNER
Name Earnest & Pearl K. Bengoechea
Address 2023 Hwy 25
City Eden State Id Zip 83325

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 9 ☐ North or ☑ South
Rge. 19 ☑ East or ☐ West
Sec. 33 ____ 1/4 NW 1/4 NW 1/4
Gov't Lot ____ County Jerome

Decimal: N 42.: 36'26" Long: W114.905

Address of Well Site same City

(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (replacement ect.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
na				

Was drive shoe used? ☐ Y ☐ N Shoe depth(s)
Was drive shoe seal tested? ☐ Y ☐ N How?

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
na					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
Perforations Methods
Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
na						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
300 ft below ground Artesian pressure
depth flow encountered ____ ft. Describe access port
or control devices through sanitary seal

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp.
Water Quality test or comments: good
Depth first water encounter 300

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	300	312	Firm Basalt	y	
	312	316	Soft red-brown Basalt	y	
	316	345	Hard Brown Basalt	y	
	345	385	Brown Basalt	y	

RECEIVED
MAY 26 2005
Department of Water Resources
Southern Region

Completed depth 385 ft. (measurable)
Date: Started April 27, 2005 Completed May 5, 2005

13. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Weech Well Drilling Firm No. 210
Firm Offical [signature] Date 5-5-05
and
Driller or Operator [signature] Date 5-22-05
(Sign once if Firm Offical & Operator)

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 56775

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36 - 96 - S - 0128 - 000
Other IDWR No. _____

2. OWNER:
Name Bill & Judy Black
Address 341 S 230 W
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 S North ☐ or South ☒
Rge. 19 E East ☒ or West ☐
Sec. 1, ____ 1/4 NW (10 acres) 1/4 SW (40 acres) 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1700 East 362 South
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	150 185	Dry

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	19	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe +1' Length of Tailpipe 19'

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
221 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 194 ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ~85° Bottom hole temp. ~85°
Water Quality test or comments: _____
Depth first Water Encountered 194

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	3	Brown Clay		
6"	3	25	Gray Lava		
6"	25	29	Broken - No Returns		
	29	35	Med Hard		
	35	36	Crevice		
	36	39	Med Hard		
	39	40	Soft Broken		
	40	47	Hard		
	47	49	Med Hard		
	49	52	Breaks & Crevice		
	52	54	Clay		
	54	75	Med Hard		
	75	76	Crevice		
	76	92	Hard		
	92	110	Med Hard		
	110	119	Hard		
	119	126	Med Hard		
	126	145	Crevice		
	145	148	Hard		
	148	152	Med Hard		
	152	194	Med Hard - Breaks		
	194	196	Broken	+	
	196	250	Hard		
	250	251	Soft Broken		
	251	252	Med Hard		
↓	252	255	Soft Broken - Crevice	+	

RECEIVED
SEP 13 1996
Department of Water Resources

RECEIVED
AUG 27 1996
Department of Water Resources
Southern Region

MICROFILMED
NOV 27 1996

Completed Depth 255' (Measurable)
Date: Started 8-8-96 Completed 8-8-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official Larry Eaton Date 8-21-96
and
Supervisor or Operator Michael Z Eaton Date 8-21-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 8 77598 Permit 804075 ID 3740 2

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 00167666
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Don Black
Address 325 W. Wilson
City Eden State ID. Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 3 NW 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot County Jerome
Lat: 42 : 40 : 25 Long: 114 : 13 : 43
Address of Well Site 330 S. 1510 W.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method

Was drive shoe used? ☐Y ☐N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

S025918

12. WELL TESTS:
☒ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20 gpm	2'	210'	24 hrs.

Water Temp. < 85 Bottom hole temp.
Water Quality test or comments:
Depth first Water Encounter

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
4"	215	220	Cinders	X	
	220	230	Hard grey basalt		X
	230	240	Cinders	X	
	240	245	Basalt (hard)		X

RECEIVED
JUL 28 2003
Department of Water Resources
Southern Region

Completed Depth 245' (Measurable)
Date: Started 6/24/03 Completed 6/26/03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Kodiak Drilling Co Firm No. 531
Principal Driller [signature] Date 7/27/03
and
Driller or Operator II Date
Operator I Date

Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

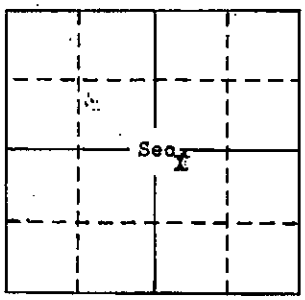
RECEIVED
SEP 4 1968
Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name William Bradley
Address Route 4
Jerome, Idaho 83338
Owner's Permit No. 36-7029
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: IRRIGATION
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other ☐ (explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
18 "Diam. from +18" ft. to -7' 5" ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: 250 Wall Material:
Steel ☒ concrete ☐ wood ☐ other ☐ (explain)
PERFORATED? Yes ☐ No ☒ Type of perforator used:
Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No. ☒ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☒ No ☐ To what depth? 8 ft. Material used in seal: CEMENT
Did any strata contain unusable water? Yes ☐ No. ☒ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☒ No ☐

Locate well in section



LOCATION OF WELL: County JEROME
NW¼ SE ¼ Sec. 16 T. 8 N/S R. 18 E/W

Size of drilled hole: 16" Total depth of well: 305' Standing water level below ground: 239' Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:
Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☒

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	5	Clay, Brown	No
5	6	Clay, Loose Lava	"
6	21	Lava Cracked Grey	"
21	25	Loose Lava & Clay	"
25	31	Lava Cracked Grey	"
31	33	Lava Loose Red	"
33	92	Cracked Lava Loose Pinkish Grey	"
92	99	Lava Brown	"
991	151	Lava Cracked Pink	"
151	162	Loose Lava Clay White	"
162	227	Lava Broken SeamsPinkish Grey	"
227	280	Grey Seamed Broken Lava Grey	YES 239
280	305	Pinkish Grey Caving Loose;Cracked took away cuttings	Yes

100644

Work started: 4-10-68
Work finished: 6-10-68
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: J. EMMETT SMITH, SMITH DRILLING & PUMP CO.
Address: 365 West Main, Jerome, Id. 83338
Signed by: J. E. Smith DRILLER
License No. 11 Date:

*Use other side for additional remarks

USGS

copy for file

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT 66484

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36-97-S-0064-000
Other IDWR No. _____

2. OWNER:
Name Don Bruce
Address 1015 N Fir #54
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 33 ____ 10 acres 1/4 SE 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 2835 1500 E
City Eden
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	200	900 lbs	

Was drive shoe used? ☒Y ☐N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☒N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	3	217	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 3' Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
24' ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ± 85° Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	6	Top Soil		
	6	54	Lt Lava		
	54	36	Crevasse No Returns		
	36	38	Broken		
	38	124	Hard		
	124	126	Soft		
	126	128	Med Hard		
	128	162	Hard		
	162	184	Soft Clay + Sand	X	
	184	199	Hard		
	199	212	Soft Clay		
	212	217	Hard		
6	217	223	Hard		
	223	226	Broken		
	226	238	Med Hard		
	238	241	Broken		
	241	245	Med Hard		
	245	251	Hard		
	251	254	Broken	X	
	254	260	Med Hard		
	260	263	Broken	X	
	263	269	Med Hard + breaks	X	
	269	270	Crevasse	X	
	270	277	Hard		
	277	284	Broken	X	
	284	305	Hard		

RECEIVED
AUG 26 1997
Department of Water Resources
JUL 23 1997
Department of Water Resources

Completed Depth 305 (Measurable)
Date: Started 6-6-97 Completed 6-9-97

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official [signature] Date 6-11-97
and
Supervisor or Operator Dave Cady Date 6-9-97
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

47512

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No.
Rec. , 19
Well No.
Permit No.

(DO NOT FILL IN)

Owner CARLYLE BUTLER Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: FARM UNIT D ¼ ¼ Sec. 34, T. 8 N/S, R. 19 E/W JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6½" Total depth of Well 23'

Give depth of standing water from surfaace NONE - DRAIN Water Temp. °Farenheit

On pumping test delivery was g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was hr., minutes.

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Weight of casing per linear foot UNKNOWN

Thickness of casing 22 GAGE Casing material TIN CASING
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6½", 9' 6", FROM 1' TO 10' 6"
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 8-7-56 Date of completion of well 8-9-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6½"	1'	10' 6"	9' 6"	GROUTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

S.34 8S 19E

S-4

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	8	TOP SOIL				
8	10	LAVA GRAY HARD				
10	12	CREVCES				
12	21	LAVA GRAY				
21	23	LAVA GRAY CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated AUGUST 22, 19 55

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jerry Callen
~~500 S 427A West~~
Address Jerome, ID 83338

Owner's Permit No. 36-90-S-072 OK.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

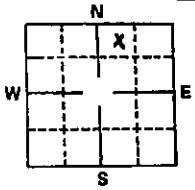
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
MICROFILMED
Lot No. _____ Block No. _____
County Jerome
NW ¼ NE ¼ Sec. 17, T. 9 N ☐ S ☒ R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 80'3" feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 56 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☑ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
± 10		

9. LITHOLOGIC LOG 78180

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	13	Sand		
	13	15	Broken basalt & sand		
	15	19	Grey basalt		
6	19	29	Grey basalt		
	29	30	Black basalt/crevice Lost most circulation		
	30	40	Solid black basalt		
	40	61	Broken w/ clay		
	61	64	Grey basalt		
	64	67	Broken basalt		
	67	73	Solid basalt		
	73	88	Soft broken basalt w/ clay	X	
	88	99	Soft broken basalt	X	
	99	123	Grey basalt		
	123	127	Soft broken basalt	?	
	127	155	Black w/ red basalt, softer		

RECEIVED
JUL 24 1990
Department of Water Resources
Southern Region Office

10.

Work started 7/11/90 finished 7/12/90

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Walker Water Systems, Inc. Firm No. 15
624 Pierce Street
Address Twin Falls, Idaho 83301 Date 7/17/90
Signed by (Firm Official) Lud Walk
and
(Operator) Lud Walk

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED MAY 24 1993

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jerry Callen

Address 500 S 427A W Jerome, ID 83338

Drilling Permit No. 36-93-S-0158-000

Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☐ Deepened ☒ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

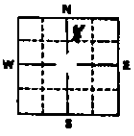
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site _____ (give at least name of road)

NW ¼ NE ¼ Sec. 17, T. 9 N. ☐ or S ☒, R. 18 E ☒ or W ☐

RECEIVED AUG 09 1993

7. WATER LEVEL

Static water level 102 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 56 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
5-10		

9. LITHOLOGIC LOG 104012

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	14	Surface sand		
	14	19	Grey basalt		
6	19	24	Grey basalt		
	24	28	Brown basalt		
	28	34	Brown basalt w/ clay		
	34	36	Grey basalt		
	36	44	Greenish grey basalt, soft		
	44	59	Grey basalt		
	59	78	Greenish grey basalt		
	78	81	Clay		
	81	88	Black basalt		
	88	95	Greenish grey basalt, soft		
	95	120	Black basalt	X	
	120	124	Greenish grey basalt, soft		
	124	138	Greenish grey basalt w/		
			Trace water	X	
	138	145	Grey basalt		
	145	155	Greenish grey basalt, soft	X	

RECEIVED
MAY 11 1993
Department of Water Resources
Southern Region Office

10.

Work started 5/6/93 finished 5/6/93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Walker Water Systems, Inc. Firm No. 15
Address 624 Fierce Street Twin Falls, Idaho 83301 Date 5/7/93
Signed by Drilling Supervisor Lud Walker
and
(Operator) _____
(If different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Basin 36 JD 340531
App 855781
Permit 768536

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016322
DRILLING PERMIT NO. 768536
Other IDWR No. 36-7384

2. OWNER:
Name Jerry Callen
Address 500 S. 427 W.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 2 ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 1000 E. 300 S.
(Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☒ Other deepen

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208' ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
no returns			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
12	369	492	remmed exsisting hole		
12	492	496	broken lava	X	
12	496	508	hard lava		
12	508	510	broken	X	
12	510	515	hard & breaks	X	
8	515	545	hard & breaks		

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Department of Water Resources
RECEIVED
MAY 1 2001
Department of Water Resources

Completed Depth 541' (Measurable)
Date: Started 4/12/2001 Completed 4/13/2001

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official ____ Date 5/3/01
and
Driller or Operator ____ Date 5/3/01
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JUN 18 1975
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources, within 20 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jerry Callen

Address Route 2, Jerome

Owner's Permit No. 36-73 84

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 14 inches Total depth 492 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

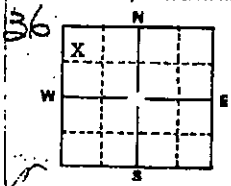
Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

NW ¼ NW ¼ Sec. 2 T. 9S N/S, R. 18EBM E/W

7. WATER LEVEL

Static water level 210 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 39927

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
14	0	369	OLD WELL	X	
8	369	374	Broken Rock w/clay Strips		X
	374	391	Gray Basalt some small breaks	X	
	391	401	Gray Basalt		X
	401	411	Gray Basalt w/small breaks	X	
	411	432	Gray Basalt		X
	432	442	Gray Basalt Broken	X	
	442	452	Gray Basalt w/small breaks	X	
	452	470	Hard Gray Basalt some breaks	X	
	470	475	Hard Gray Basalt		X
	475	480	Broken Rock w/yellow Clay	X	
	480	492	Broken Rock	X	

10.

Work started 6/10/75 finished 6/11/75

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 6/13/75

Signed by (Firm Official) Ed Terry Smith

and

(Operator) Floyd Hurst

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JUN 5 1975
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jerry Callen

Address Route 2, Jerome

Owner's Permit No. 36 73 84

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 14 inches Total depth 369 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	16 inches	+ 1 feet	-20 feet
.250 inches	14 inches	+ 1 feet	- 176 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ___ Slot size ___ Set from ____ feet to ____ feet

Diameter ___ Slot size ___ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

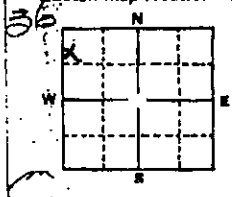
Placed from ____ feet to ____ feet

Surface seal depth 18 Material used in seal ☒ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name ____

Lot No. ____ Block No. ____

County Jerome

NW ¼ NW ¼ Sec. 2, T. 9S N/S, R. 18EBM E/W

7. WATER LEVEL

Static water level 210 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow ____

Temperature ____ ° F. Quality ____

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

39926

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20	0	7½	Top Soil & Clay		X
	7½	10½	Blue-Gray Soft Broken Lava		
	10½	16½	Gray Med Hard Lava		
20/16	16½	24	Gray Soft Broken Lava		
16	24	32	Blue-gray Med Soft Lava		
	32	36	Lava (lost cuttings)		
	36	49	Reddish Brown Med. H. Lava		
	49	50	Lava (lost cuttings)		
	50	56	Gray Med Hard Lava		
	56	60	Gray Lava(Lost cuttings)		
	60	80	Red Med H. Lava		
	80	86	Gray Med H. Lava		
	86	88	Broken Med Hard Lava		
	88	97	Red-Black-Gray Lava Cinders		
	97	113½	Hard Gray Broken Lava		
	113½	115	Soft Lava Cinders		
	115	122	Med Hard Broken Gray Lava		
	122	147	Med Hard Pink-Gray Lava		
	147	149	Loose Hard Rock (lost cuttings)		
	149	163	Cinders & Loose Hard Rock		
	163	168	Red Sand		
16/14	168	177½	Soft Sand & Small Gravel		
14	177½	188	Gray-Red Large Soft Lava Cinders		
	188	194	Gray Med Hard Lava		
	194	215	Red Sand w/brown sticky clay		X
	215	261	Loose Rock w/clay med hard	X	
	261	307	Lava & Clay Streaks	X	
	307	315	Med Hard Gray Lava		X
	315	328	Very Hard Gray Lava		
	328	336	Soft Brown Lava		
	336	339	Soft Red Sand		
	339	365	Soft Lava w/hard streaks		
	365	369	Broken Lava	X	

10.

Work started 2/3/75 finished 5/10/75

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 5/12/75

Signed by (Firm Official) Gerry Smith

and

(Operator) Jimmie Smith

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER

Name Jerry Callen
Address 500 S 427A West, Jerome, ID 83338

Owner's Permit No. 36-90-S-069 0C

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

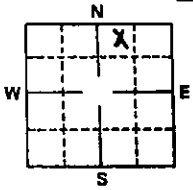
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ NE ¼ Sec. 17 T. 9 N ☐ S ☒ R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 79' 10" feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
1-2		

9. LITHOLOGIC LOG 78181

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	5½	Surface sand		
	5½	13	Broken soft black basalt		
	13	15	Grey basalt		
	15	16	Crevice		
	16	19	Grey basalt		
6	19	25	Grey basalt		
	25	28	Black basalt		
	28	49	Grey basalt		
	49	51	Soft black/brown basalt		
	51	54	Brown clay w/ cinders		
	54	71	Grey basalt		
	71	76	Brown clay w/ black cinders	?	
	76	82	Soft black basalt	T	
	82	96	Black basalt		
	96	102	Black w/ red basalt	?	
	102	119	Grey basalt		
	119	122	Black basalt/clay	?	
	122	138	Grey basalt		
	138	141	Brown clay		
	141	150	Black basalt		

RECEIVED
JUL 24 1990
Department of Water Resources
Southern Region Office

10. Work started 7/10/90 finished 7/10/90

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Walker Water Systems, Inc. Firm No. 15
Address 624 Pierce Street, Twin Falls, Idaho 83301 Date 7/17/90
Signed by (Firm Official) Lud Walk
and
(Operator) Lud Walk

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Irvin Carpenter

Address 1634 A East R Jerome - 83335

Owner's Permit No. 36-90-S-049

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	214 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☑ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 25 Material used in seal: ☐ Cement grout
☑ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port Well seal has port

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SW ¼ Sec. 14, T 8 S ☑ N ☐, R. 19 E ☑ W ☐

7. WATER LEVEL

Static water level 195 feet below land surface.
Flowing? ☐ Yes ☑ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
15	195	2

9. LITHOLOGIC LOG 023631

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	8	Broken rock + clay		X
	8	38	Grey basalt		
	38	48	Brown cinders		
	48	58	Brown basalt		
	58	87	Grey basalt		
	87	102	Grey scoria		
	102	108	Grey basalt		
	108	111	Grey scoria		
	111	146	Brown basalt		
	146	150	Brown scoria		
	150	163	Brown basalt		
	163	178	Grey basalt		
	178	203	Brown basalt		
	203	206	Brown scoria	Y	
	206	220	Brown basalt	X	
	220		Grey basalt	Y	
			lost cuttings last 8'		
			NOTE: This well has since been deepened See #36-90-S-0102-001		

RECEIVED JUN 3 1990 Department of Water Resources

RECEIVED JUN 25 1990 Department of Water Resources Southern Region Office

APR 02 1992

10. Work started ~~22 May~~ finished 14 June 1990

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Address 23551 Hwy 30 W Date 14 June 1990
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Irvin Carpenter
Address 1634A East Road Jerome Idaho 83335
36-90-S-10 ~~2-ok~~ 001
Owner's Permit No. A36-14157

2. NATURE OF WORK 36-90-S-0102-001

☐ New well ☒ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
____ inches	____ inches +	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

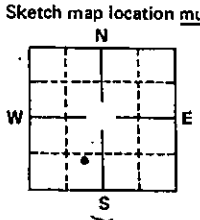
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from ____ feet to ____ feet
Surface seal depth ____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. ____ Block No. ____
County Jerome
SE ¼ SW ¼ Sec. 14, T. 8 N ☐ S ☒ R. 19 E ☒ W ☐

7. WATER LEVEL

Static water level 196 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature cold °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
20	196	15 min

9. LITHOLOGIC LOG 023630

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	200	222	Grey Basalt	✓	
6	222	245	Grey Pourus Lava	✓	

NOTE: for original Log see 36-90-S-0049-000

RECEIVED
DEC 17 1990
Department of Water Resources
Southern Region Office

RECEIVED
DEC 24 1990
Department of Water Resources

APR 02 1992

10. Work started 11-7-90 finished 11-12-90

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Date 11-26-90
Signed by (Firm Official) Fred W. Henry
and
(Operator) Fred W. Henry

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Irvin Carpenter
Address 1634A East Road Jerome Idaho 83335
36-90-S-102-001
Owner's Permit No. A36-14157

2. NATURE OF WORK 36-90-S-0102-001

☐ New well ☒ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
____ inches	____ inches +	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

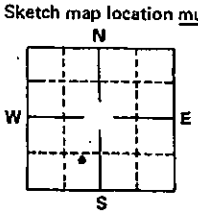
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from ____ feet to ____ feet
Surface seal depth ____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. ____ Block No. ____
County Jerome
SE ¼ SW ¼ Sec. 14, T. 8 N ☐ S ☒ R. 19 E ☒ W ☐

7. WATER LEVEL

Static water level 196 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature cold °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
20	196	15 min

9. LITHOLOGIC LOG 023630

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	200	222	Grey Basalt	✓	
6	222	245	Grey Pourus Larn	✓	

NOTE: for original Log see 36-90-S-0049-000

RECEIVED
DEC 17 1990
Department of Water Resources
Southern Region Office

RECEIVED
DEC 24 1990
Department of Water Resources

APR 02 1992

10. Work started 11-7-90 finished 11-12-90

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Date 11-26-90
Signed by (Firm Official) Fred W. Henry
and
(Operator) Fred W. Henry

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
SEP 9 1976
Department of Water Resources

State law requires that this report be filed with the Director, Department of Water Resources, within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Irvin Carpenter

Address Rt 4 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 208 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	21 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal: ☒ Cement grout ☐ Puddling clay ☒ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

36

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

NE ¼ NW ¼ Sec. 23, T 8 ☐ N/S, R. 19 ☒ E/W

7. WATER LEVEL

Static water level 170 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality good

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
18	None	1/2

9. LITHOLOGIC LOG 36877

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	5	Top Soil		
	5	14	Clay & boulders		
	14	63	Grey basalt		
	63	83	Tan clay.		
	83	118	Grey Scoria		
	118	140	Grey basalt		
	140	145	Grey Scoria		
	145	151	Grey basalt		
	151	208	Grey Scoria	X	

10.

Work started 25 Aug. 76 finished 1 Sep 1976

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Muntaugh, Idaho Date 5 Sept 76

Signed by (Firm Official) Blaine Boley

and

(Operator) Ted Henry

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Irvin Carpenter

Address 1634 A East R Jerome - 83335

Owner's Permit No. 36-90-S-049

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	214 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☑ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 25 Material used in seal: ☐ Cement grout
☑ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port Well Seal has port

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____

County Jerome

SE ¼ SW ¼ Sec. 14, T. 8 S ☑ N ☐, R. 19 E ☑ W ☐

7. WATER LEVEL

Static water level 195 feet below land surface.
Flowing? ☐ Yes ☑ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
1.5	195	2

9. LITHOLOGIC LOG 023631

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	8	Broken rock + clay		X
	8	38	Grey basalt		
	38	48	Brown Cinders		
	48	58	Brown basalt		
	58	87	Grey basalt		
	87	102	Grey Scoria		
	102	108	Grey basalt		
	108	111	Grey Scoria		
	111	146	Brown basalt		
	146	150	Brown Scoria		
	150	163	Brown basalt		
	163	178	Grey basalt		
	178	203	Brown basalt		
	203	206	Brown Scoria	X	
	206	220	Brown basalt	X	
	220		Grey basalt	X	

lost cuHings last 8'

NOTE: This well has since been deepened See #36-90-S-0102-001

RECEIVED
JUN 13 1990
Department of Water Resources

RECEIVED
JUN 25 1990
Department of Water Resources
Southern Region Office

APR 02 1992

10. Work started 22 May finished 14 June 1990

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Address 23551 Hwy 30 W Date 14 June 1990
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley II

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
MAR 19 1975
Department of Water Resources

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Omar Carter

Address Route 4 Jerome, Ida

Owner's Permit No. 36-7401

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 300 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	20 inches	+ 1 feet	18 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☒ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

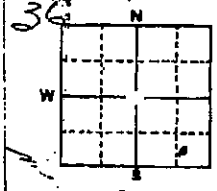
Placed from ____ feet to ____ feet

Surface seal depth 18 ft Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name ____

Lot No. ____ Block No. ____

County Jerome

SE ¼ SE ¼ Sec. 1, T. 9 N/S, R. 18 E/W

7. WATER LEVEL

Static water level 211 feet below land surface

Flowing? ☒ Yes ☐ No G.P.M. flow ____

Temperature 47 ° F. Quality good

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
1800	18"	2

9. LITHOLOGIC LOG 39925

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20	0	2	Sandy Topsoil		
	2	4	yellow clay		
	4	10	gray and red lava (broken)		
	10	58	gray and red lava		
	58	125	red lava		
	125	154	gray lava		
	154	158	red clay and cinders		
	158	162	broken gray basalt		
	162	180	firm gray basalt		
	180	214	broken gray lava	x	
	214	218	hard gray lava		
	218	233	boulders and gray cinders	x	
	233	270	gray lava (yellow clay seams)		
	270	300	gray lava (broken) & (yellow clay seams)	x	

10.

Work started 12/28/75 finished 2/26/75

11. DRILLERS CERTIFICATION

Firm Name Jack Alexander Drlg. Co. Firm No. 127

Address 510 13th st. Rupert, Ida. Date 3/5/75

Signed by (Firm Official) Jack Alexander

and

(Operator) same

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER

Name John Cauhorn

Address 1623 Hunt Rd. Jerome, Id. 83338

Owner's Permit No. 36-91-S-021-001

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

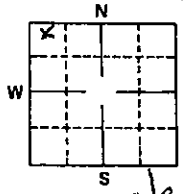
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. 4 Block No. _____
County Jerome
NW ¼ NW ¼ Sec. 1, T. 9 ☐ S ☑ N R. 19 ☐ E ☑ W

7. WATER LEVEL

Static water level 176 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	176	1

9. LITHOLOGIC LOG 023588

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	175	180	Basalt		X
	180	195	Scoria	X	
	195	220	Brown Basalt	X	
	220	228	Red Sandy clay		X

RECEIVED
APR 17 1991
Department of Water Resources

RECEIVED
APR 04 1991
Department of Water Resources
Southern Region Office

MICROFILMED
APR 02 1992

10. Work started 3/12/1991 finished 3/15/1991

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh, Id Date 19 Nov 1991
Signed by (Firm Official) Blaine Boley
and
(Operator) Ted Sr. Henry

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER

Name John Cauhorn

Address 1623 Hunt Rd. Jerome, Id. 83338

Owner's Permit No. 36-91-S-021-001

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

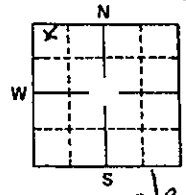
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. 4 Block No. _____
County Jerome
NW ¼ NW ¼ Sec. 1, T. 9 ☐ S ☑ R. 19 ☐ E ☑ W

7. WATER LEVEL

Static water level 176 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	176	1

9. LITHOLOGIC LOG 023588

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	175	180	Basalt		X
	180	195	Scoria	X	
	195	220	Brown Basalt	X	
	220	228	Red Sandy clay		X

RECEIVED
APR 17 1991
Department of Water Resources

RECEIVED
APR 01 1991
Department of Water Resources
Southern Region Office

MICROFILMED
APR 02 1992

10. Work started 3/12/1991 finished 3/15/1991

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh, Id Date 19 Apr 1991
Signed by (Firm Official) Blaine Boley
and
(Operator) Fallon Henry

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED
JUN 08 1987
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Herb Mc Cowan

Address Dietrich

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☒ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 X inches	6 5.80D inches +	2 feet	-19 feet
inches	inches	-20m feet	-260 feet
inches	inches	feet	feet
inches	inches	feet	feet

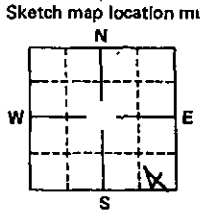
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

MICROFILMED
MAR 14 1988

Lot No. _____ Block No. _____

County LINCOLN

SE ¼ SE ¼ Sec. 10, T. 9S N/S, R. 18EBM E/W

7. WATER LEVEL

Static water level 286 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	3	Top Soil		X
	3	10	Hard Brown Clay		
	10	15	Brown Clay		
	15	18	Med Hard Brown Basalt		
6	18	40	MH Gray Basalt trace Brown Basalt lg-crevices		
	40	60	MH Gray Basalt Trace Br. Basalt w/lg-breaks-crevices		
	60	80	Med Hard Gray Basalt w/lg.breaks		
	80	90	Med Hard Brown Basalt w/lg.breaks-crevices		
	90	100	Med Hard w/lg.breaks-crevices-dinders		
	100	120	Med Hard w/lg.breaks-crevices		
	120	128	Med Hard		
	128	145	Med Hard w/lg. breaks - crevices		
	145	158	Hard w/sm. breaks		
	158	173	Med Hard w/lg.breaks - crevices		
	173	180	Med Hard		
	180	200	Med Hard w/sm. breaks		
	200	220	Med Hard w/lg. breaks - crevices		
	220	240	Med Hard w/lg. breaks		
	240	260	Med Hard w/lg.breaks - crevices		
	260	280	MH Red-Brown Basalt w/sm. breaks		
	280	293	Med Hard Brown Basalt w/sm. breaks		
	293	300	Med Hard Brown Basalt w/lg. breaks		
	300	310	Med Hard Gray Basalt w/sm. breaks		X
	310	320	MH Brown Basalt w/lg.breaks	X	
	320	340	Hard w/sm. breaks	trace	
	340	345	Med Hard		X
	345	360	Med Hard w/lg.breaks Crevices	X	

RECEIVED
JUL 08 1987
Department of Water Resources

10.

Work started 1/26/82 finished 2/2/82

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO. Firm No. INC. 11

Address Jerome Date 2/5/82

Signed by (Firm Official) [signature]

and

(Operator) Dennis C Hunt

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ralph Child
Address 1725 Hunt Rd Jerome Id 83338
Drilling Permit No. 36-92-S-078
Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ Inches +	_____ feet	_____ feet
_____ inches	_____ Inches	_____ feet	_____ feet
_____ inches	_____ Inches	_____ feet	_____ feet
_____ Inches	_____ Inches	_____ feet	_____ feet

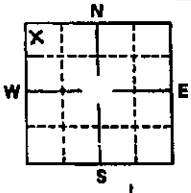
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ NW ¼ Sec. 1, T. 9 N ☐ S ☒ R. 19 E ☒ W ☐

7. WATER LEVEL

Static water level 219 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature Cold °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Baller ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	219	1

9. LITHOLOGIC LOG 83929

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	220	257	Grey basalt (soft)	X	
6	257	264	Grey basalt (firm)	X	
6	264	268	Grey basalt (soft)	X	

RECEIVED
APR 20 1992
Department of Water Resources
Southern Region Office

MICROFILMED
DEC 07 1992

10. Work started 8 April finished 14 April 1992

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Address Murtaugh Id Date 14 April 1992
Signed by (Firm Official) Blaine Boley II
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
JUL 24 1980
Department of Water Resources
Central District Office

1. WELL OWNER

Name Wayne Childey

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.168 inches	6 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

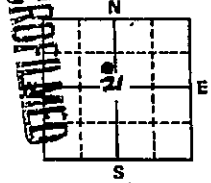
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ NW ¼ Sec. 21, T. 8 ☐N/S, R. 19 ☐E/W.

7. WATER LEVEL

Static water level 2.48 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☒ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

106320

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	9	Top Soil		✓
	9	19	Gray lava		✓
6	19	178	" "		✓
	178	190	Brown Clay		✓
	190	296	Gray lava	✓	
	296	305	Red lava	✓	

RECEIVED
JUL 29 1980
Department of Water Resources

10.

Work started 4-7-80 finished 4-7-80-8D

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C B Eaton Firm No. 26
Address Wendell Ida Date 5-1-80
Signed by (Firm Official) James Eaton
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

025826

RECEIVED
JUL 24 1962
Department of Reclamation

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. 24172 Well No. _____ County Clearwater

Owner Dan Church

Address Juliaetta Idaho

Driller Cisco Harley

Address Juliaetta Idaho

Well location NW¼ SE¼ Sec. 9, T. 9 N/S, R. 1 E/W

Size of drilled hole 20"

Total depth of well 1110'

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 220 Water temp. _____ °Fahr.

On "Pumping Test" delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or 150" g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for irrigation Weight of casing per lineal foot _____

Thickness of casing _____ Casing material _____
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 10' from top of hole 20"
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
				WWM

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well 2/20/56 Date of completion of well 4/22/56

NWSE S. 9 T. 9 S R. 1 E

025827

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
10		top soil rocks		
10	35	gray rocks		
35	85	red rock		
85	120	brown rock		
120	140	red rock		
140	175	gray rock		
175	195	gray rocks		
195	215	loose gray rock		
215	220	red rock some water		
220	250	gray rock		
250	260	red rock clay		
260	265	gray rock		
265	290	clay		
290	320	gray rock		
320	325	red rock		
325	345	red sand & rock		
345	350	sand water		
350	360	red rock		
360	380	clay hard rock		
380	390	brown sand		
390	410	clay		

If more space is required use Sheet No. 2

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed Rosco Harley

By

License No. 75

Dated July 24, 1969

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

RECEIVED
JUL 2 1974
Department of Water Resources

1. WELL OWNER

Name DON CHURCH
Address RT#1 JEROME, IDAHO
Owner's Permit No. # 36-7349

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 350 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	18 inches	+1 feet	18 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was a packer or seal used? ☒ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

Number		From	To
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet

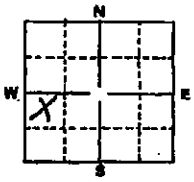
Well screen installed? ☐ Yes ☒ No
Manufacturer's name ____
Type ____ Model No. ____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel ____
Placed from ____ feet to ____ feet

Surface seal? ☒ Yes ☐ No To what depth 18 feet
Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County JEROME
NW ¼ SW ¼ Sec. 4, T. 9 N. R. 18 E.W.

7. WATER LEVEL

Static water level 250 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow ____
Temperature ____ ° F. Quality ____
Artesian closed-in pressure ____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 042280

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20	0	115	LAVA		X
	115	127	CLAY		X
	127	150	CINDERS		X
	150	155	LAVA		X
	155	160	CLAY		X
	160	165	LAVA		X
	165	167	CLAY		X
	167	205	LAVA		X
	205	220	CINDERS		X
	220	225	RED SAND & CLAY		X
	225	237	LAVA		X
	237	242	BLACK SAND & ROCK		X
16	242	350	LAVA	X	

10. Work started 6-73 finished 9-10-73

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

B & B DRILLING 171
Driller's or Firm's Name Number
Address RT#1 HAGERMAN
Signed By Ron Bishop 9-10-73

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

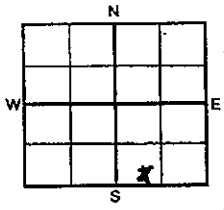
62436

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 - 95 - S - 0223 - 002
Other IDWR No.

2. OWNER:
Name CITY OF TWIN FALLS
Address P.O. BOX 1907
City TWIN FALLS State ID Zip 83303-1907

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. ____, ____ 1/4 (10 acres) ____ 1/4 (40 acres) ____ 1/4 (160 acres)
Gov't Lot ____ County JEROME
Address of Well Site SI ELLEN FARMS
City JEROME
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other ____

5. TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
SAND	150	75	1650#	OVERBORE
BENTONITE	-75	2	1000#	

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? Y☐ N☐ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
2	+2.5	-150		P.V.C	☒	☐	☐	☒
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☒ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
+80	-150	.020		2	PVC	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
90 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	0	1	SURFACE DIRT SANDY SURFACE DIRT		X
	1	2	BROKEN BASALT		X
	2	16	GREY BASALT		X
	10				X
	16	28	LARGE FRACTURED		X
	28	39	BROWN GREY BASALT		X
	39	48	TAN CLAY BROKEN		X
	39	48	BASALT		X
	48	104	GREY BASALT		X
	104	117	BROWN RED CLAY	X	
	104	117	CINDERS & ASH	X	
	117	134	BROWN GREY BASALT		X
	134	138	LARGE FRACTURED		X
	138	148	BROWN CLAY BROKEN	X	
	138	148	BASALT	X	
	148	152	GREY BASALT		X

RECEIVED
FEB 15 1996
Department of Water Resources
Southern Region
RECEIVED
FEB 22 1996
MAY 06 1996

Completed Depth: 152' (Measurable)
Date: Started 12/18/95 Completed 12/20/95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name WALKER WATER SYSTEMS INC. Firm No. 15
Firm Official [signature] Date 01/23/96
and
Supervisor or Operator ____ Date 01/23/96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 62434

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 - 95 - S - 0223 - 003
Other IDWR No.

2. OWNER:
Name CITY OF TWIN FALLS
Address P.O. BOX 1907
City TWIN FALLS State ID Zip 83303-1907

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 16, ____ 1/4 SE 1/4 NW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County JEROME

Address of Well Site SI ELLEN FARMS
City JEROME
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	-2	37.5	800#	OVERBORE
SAND	37	155		

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? Y☐ N☐ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6.625	+2.5	37.5	.250	STEEL	☒	☐	☒	☐
2	+2	155		P.V.C	☐	☒	☐	☒
				STEEL	☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☒ Screens Screen Type ____

MAY 06 1996

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
135	155	.020		2	PVC	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
98 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	8	SURFACE DIRT		X
	8	14	SOFT BLACK BASALT		X
	14	15	FRACTURED		X
	15	16	SOLID		X
	16	31	BROKEN CAVING LST CIRCULATION		X
	31	37.5	SOLID		X
6	37.5	74	GREY BASALT		X
	74	87	BLACK BASALT		X
	87	106	BLACK BROWN BASALT		X
	106	114	BROWN CLAY CINDERS		X
	114	138	GREY BROWN BASALT		X
	138	142	BROWN BLACK BASALT	X	
	138	142	BROKEN	X	
	142	148	BLACK BASALT	X	
	148	155	GREY BASALT		X

RECEIVED
FEB 13 1996
Department of Water Resources
Southern Region
RECEIVED
FEB 22 1996
Department of Water Resources

Completed Depth 155' (Measurable)
Date: Started 12/21/95 Completed 12/26/95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name WALKER WATER SYSTEMS INC. Firm No. 15
Firm Official [signature] Date 01/23/96
and
Supervisor or Operator ____ Date 01/23/96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES

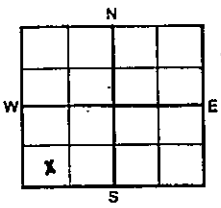
WELL DRILLER'S REPORT 62435

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 - 95 - S - 0223 - 001
Other IDWR No.

2. OWNER:
Name CITY OF TWIN FALLS
Address P.O. BOX 1907
City TWIN FALLS State ID Zip 83303-1907

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 SW 1/4 SW 1/4
(10 acres, 40 acres, 160 acres)
Gov't Lot ____ County JEROME

Address of Well Site SI ELLEN FARMS
City JEROME
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other ____

5. TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
SAND	-148	-63	2450#	OVERBORE
BENTONITE	-63	-53	250#	OVERBORE
BENTONITE	-53	-2	575#	OVERBORE

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? Y ☐ N ☐ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
2	-148	+2.5		P.V.C	☒	☐	☐	☒
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☒ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-68	-148	.020		2	PVC	☐	☒
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
90 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	0	2	SURFACE DIRT		X
	2	14	GREY BASALT		X
	14	22	CLAY & FRACTURED		X
	22	51	GREY BASALT		X
	51	62	RED BROWN CLAY		X
	51	62	CINDERS		X
	62	71	GREY BASALT		X
	71	91	BLACK BASALT		X
	91	96	GREY BASALT		X
	96	102	BROKEN		X
	102	106	BROWN CLAY CINDERS	X	
	102	106	FRACTURED BASALT	X	
	106	112	BROWN BLACK BASALT		X
	112	[illegible]	[illegible] FRACTURED		X
	112	131	BROWN BLACK BASALT		X
	131	136	BROWN CLAY CINDERS		X
	131	136	RED SAND	X	
	136	148	BROWN BLACK BASALT	X	
	148				X

RECEIVED
FEB 13 1996
Department of Water Resources
Southern Region

RECEIVED
FEB 22 1996
MAY 06 1996
Department of Water Resources

Completed Depth 148' (Measurable)
Date: Started 12/14/95 Completed 12/15/95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name WALKER WATER SYSTEMS INC. Firm No. 15
Firm Official Fred Walker Date 01/23/96
and
Supervisor or Operator ____ Date 01/23/96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
DEC 16 1984
Department of Water Resources
Southern District Office

5

1. WELL OWNER

Name CLEAR LAKES FISH Hatchery

Address BUHL, IDA.

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	102 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

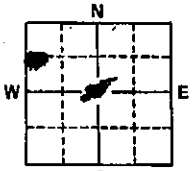
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☒ Factory ☐ Knife ☐ Torch
Size of perforation 3" inches by 1/4 inches

Number		From	To
54	perforations	93 feet	103 feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 102 Material used in seal: ☐ Cement grout
☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Twin Falls
SW ¼ NW ¼ Sec. 28, T. 8 N/S, R. 17 E/W

7. WATER LEVEL

Static water level 50' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	32	SAND & GRAVELS	✓	
6"	32	93	GREY CLAY	✓	
6"	93	105	BLACK LAVA	✓	
			TOTAL DEPTH 105		
			05-2035		
			MICROFILMED		

10.

Work started Aug 2, 84 finished Aug 6, 84

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C. B. EATON Firm No. 26
Address RT 1, WENDELL Date 11/1/84
Signed by (Firm Official) James Eaton
and
(Operator) Gary Eaton

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

G24378

RECEIVED
JUN 2 1956
Department of Reclamation

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No.
Rec. _____, 19____
Well No.
Permit No.

(DO NOT FILL IN)

Owner BLYDE BACON, INC. Address TWIN FALLS, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: NE ¼ SW ¼ Sec. 10, T. 9 N/S, R 18 E/W JEROME County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole _____ Total depth of Well 55'

Give depth of standing water from surface NONE FIELD DRAIN Water Temp. _____ °Farenheit

On pumping test delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was _____ hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for _____ Weight of casing per linear foot 19.18

Thickness of casing .278 Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6", 7' 3", 0 TO 7' 3"
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well 4-11-56 Date of completion of well 4-22-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6"	0	7' 3"	7' 3"	GROUTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

NESW 5.10 9S 18E

024379

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	6	TOP SOIL				
6	52	LAVA GRAY HARD				
52	55	LAVA RED CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated JUNE 14, 1956, 19

024376

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JUN 28 1956
Department of Reclamation

Log No.
Rec. , 19
Well No.
Permit No.

(DO NOT FILL IN)

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Owner CLYDE BACON, INC. Address TWIN FALLS, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SE ¼ NW ¼ Sec. 10, T. 9 N/S, R. 18 E/W JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6¼" Total depth of Well 51

Give depth of standing water from surface NONE - FIELD DRA Water Temp. °Farenheit

On pumping test delivery was g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was hr., minutes.

If flowing well, give flow in c.f.s or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Weight of casing per linear foot 9.5

Thickness of casing 12 GUAGE Casing material SPIRAL WELD PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 8", 12', FROM 0 TO 12'
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 5-31-56 Date of completion of well 6-2-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
8"	0	12'	12'	GROUTED IN

GS

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SE NW S 10 9S 18E

024377

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	2	TOP SOIL				
2	11	CLAY & HARD PAN				
11	27	LAVA GRAY				
27	37	CREVICES - LOOSE LAVA				
37	47	LAVA GRAY				
47	51	CREVICE & LOOSE LAVA				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated JUNE 14, 19 56.

Form 238-7
3/96

RECEIVED
JUN 30 1997
Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT
Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36-97-S-0038-000
Other IDWR No. _____

2. OWNER:
Name Kermit Cocran
Address 5438 U.S. Hwy 93
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8S North ☐ or South ☒
Rge. 19E East ☒ or West ☐
Sec. 34, ____ 10 acres 1/4 NE 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 5621 US HWY 93 City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	150 LBS	Dry

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+5	19	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe +5 Length of Tailpipe 19

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

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MAY 07 1997

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
238 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 280 ft. Describe access port or control devices: Well Cap

11. WELL TESTS: 68352
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 58.5° Bottom hole temp. 58.5°
Water Quality test or comments: _____
Depth first Water Encountered 240

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	3	Top Soil		
8/6	3	30	Gray Lava		
	30	33	Brown & Red Lava		
	33	55	Brown Lava		
	55	63	Gray Lava		
	63	67	Brown Lava		
	67	71	Red Lava - Broken		
	71	83	Brown Lava - Breaks		
	83	100	Gray Lava		
	100	137	Brown Lava		
	137	157	Gray Lava		
	157	163	Brown Sand		
	163	177	Gray Lava		
	177	185	Broken - Soft - Cinders		
	185	200	Gray Lava		
	200	201	Soft Cinders - No Returns		
	201	207	Med Hard		
	207	208	Broken		
	208	211	Med Hard		
	211	214	Soft - Broken		
	214	240	Med With Breaks	X	X
	240	242	Soft	X	
	242	246	Med Hard		
	246	248	Broken	X	
	248	265	Med Hard		
	265	267	Soft		
	267	284	Med Hard		
	284	288	Soft Broken & Cinders	X	
	288	296	Med Hard		
	296	297	Crevice	X	
	297	303	Soft Broken - Cinders	X	

Completed Depth 303 (Measurable)
Date: Started 4-16-97 Completed 4-22-97

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official _____ Date 4-30-97
and
Supervisor or Operator Marquite J. Youngblood Date 4-29-97
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

WELL LOG AND REPORT BY THE

MACK GRAY WELL DRILLING

KIMBERLY, IDAHO

024380

Permit No. _____ Well No. _____ County Jerome

Owner Coiner Bros.

Address Twin Falls, Idaho

Driller Mack Gray Well Drilling

Address Kimberly, Idaho

Well location W ½ of NW ¼ Sec. 12, T. 9S N/S, R. 18 E/W

Size of drilled hole 16"

Total depth of well 320 ft.

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 190' Water temp. _____ °Fahr.

On "Pumping Test" delivery was no test p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation Weight of casing per lineal foot _____

Thickness of casing ¼" Casing material steel
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 20", 10', 0 to 10'
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
20"	0	10'	10'	
				well.

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well 7/5/61 Date of completion of well 9/4/61

W½ NW S. 12 9S 18E

6243

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	6	Top soil		
6	40	Black lava		
40	50	Red cinders		
50	70	Red lava		
70	115	Brown lava		
115	120	Grey rock		
120	130	Brown lava		
130	150	Shale		
150	185	Black lava		
185	195	Red lava Hit water		
195	235	Black lava		
235	250	Red lava		
0	77	Reamed to 20"		
250	280	Grey lava		
280	285	Clay		
285	300	Black lava		
300	310	Shale Water		
310	320	Grey lava		

If more space is required use Sheet No. 2

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed Mack Gray Well Drilling

By Mrs. Mack Gray

License No. 150

Dated 9/6/61, 19

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED
APR 03 1989
Department of Water Resources

1. WELL OWNER

Name John O'Conner

Address Jerome, Idaho

Owner's Permit No. 36-87-C-0003-000
Well deepened see 36-92-S-0113-000

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter		From	To
.250 inches	65/8 OD inches	+	1½ feet	40 feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

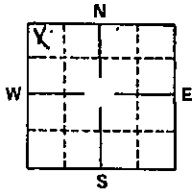
Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

RECEIVED
MAR 22 1989
Department of Water Resources
Southern Region Office

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ NW ¼ Sec. 23, T. 8S N/S, R. 19E E/W.

7. WATER LEVEL

Static water level 169 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	3	top soil		X
	3	5	broken gray basalt		
	5	7	gray basalt med hard		
	7	30	broken gray basalt		
6/9	30	54	hard gray basalt		
6	54	55	pink gray basalt		
	55	63	hard gray basalt		
	63	69	med gray basalt w/small breaks		
	69	74	broken pink gray basalt		
	74	81	hard w/small breaks		
	81	87	red sand		
	87	93	clay w/some loose rock		
	93	100	porous basalt		
	100	126	gray med hard porous		
	126	127	pinkish gray		
	127	135	crevice		
	135	144	broken porous		
	144	146	hard		
	146	160	gray med hard w/broken spots		
	160	164	med pink porous basalt		
	164	177	very hard gray basalt		
	177	180	gray w/broken spots		
	180	189	very hard gray basalt		
	189	198	broken pink porous		
	198	200	med hard		
	200	201	broken pink porous	X	
	201	207	hard		
	207	213	broken		
	213	215	hard		
	215	216	broken spots		
	216	220	broken	X	

MICROFILMED
JUN 13 1990

10.

Work started 3-12-87 finished 3-19-87

11. DRILLERS CERTIFICATION

DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Smith Drilling & Pump Firm No. 11
Address 328 West Ave. A Jerome Date 3-19-87
Signed by (Firm Official) G. Darrell Smith
and
(Operator) G. Darrell Smith

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name TOM O'CONNOR
Address 1623 East Road Jerome
Drilling Permit No. 36-92-5-113
Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

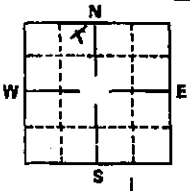
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NE ¼ NW ¼ Sec. 23, T. 8 N ☐ S ☒, R. 19 E ☒ W ☐

7. WATER LEVEL

Static water level 203 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	203	1

9. LITHOLOGIC LOG

84501

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5½	207	210	Scoria	X	
	210	213	Basalt	X	
	213	250	Scoria	X	

RECEIVED
MAY 15 1992
Department of Water Resources
Southern Region Office

RECEIVED
JUL 7 1992
Department of Water Resources

MICROFILMED
DEC 07 1992

10. Work started 29 April finished 1 May 1992

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Baley & Henry Firm No. 86
Address Murtaugh Date 2 May 1992
Signed by (Firm Official) Blair Baley II
and
(Operator) Ted Henry

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED
OCT 19 1978
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Construction West

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☒ Concrete ☐ Other _____

Thickness	Diameter	From	To
.258 inches	5 9/16OD inches	+ 1 feet	-303½ feet
_____ inches	_____ inches	-20- feet	-239 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

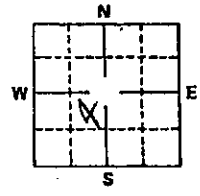
Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

(36)



Subdivision Name _____
Lot No. _____ Block No. _____
County _____
NE ¼ SW ¼ Sec. 31, T. 8S N/S, R. 19E E/W.

7. WATER LEVEL

Static water level 222 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 105600

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	1½	Top Soil		X
	1½	2	Broken Gray Basalt		
8/6	2	26	Hard Gray Basalt		
6	26	32	Hard Gray Basalt w/sm. breaks		
	32	40	Hard Gray Basalt		
	40	51	Hard Gray-Brown Basalt w/sm. breaks		
	51	55½	Med Hard Gray-Brown Basalt w/sm. break		
	55½	59	Med Hard Gray Basalt w/small breaks		
	59	62	Hard Gray Basalt		
	62	65	Hard Gray Basalt w/sm. breaks		
	65	78	Hard Gray Basalt		
	78	83	Med Hard Brown Basalt w/sm. breaks		
	83	90	Hard Gray-Brown Basalt w/sm. breaks		
	90	95½	Med Hard Brown Basalt w/lg. breaks		
	95½	98	Hard Brown Basalt w/sm. breaks		
	98	109	Hard Gray Basalt w/sm. breaks		
	109	114	Med Hard Gray Basalt w/lg. breaks		
	114	118	Hard Gray Basalt		
	118	121	Hard Gray Basalt w/sm. breaks		
	121	133	Hard Gray Basalt		
	133	136½	Hard Gray Basalt w/lg. breaks		
	136½	146	Hard Gray Basalt		
	146	150	Brown Clay		
	150	153	Med Hard Gray Basalt		
	153	159	Hard Gray Basalt		
	159	164	Med Hard Gray-Brown Basalt w/sm. break		
	164	170	Med Hard Gray Basalt w/sm. breaks		
	170	175	Hard Gray Basalt w/sm. breaks		
	175	185	Hard Gray Basalt		
	185	198	Med Hard Gray-Brown Basalt w/lg. breal & sand		
	198	201	Hard Gray Basalt		
	201	209	Hard Gray Basalt w/sm. breaks		
	209	218½	Med Hard w/sm. breaks		
	218½	221	Hard		X
	221	224	Hard w/breaks	X	
	224	231	Med Hard Gray-Pink Basalt	X	
	231	234	Broken Basalt w/red Clay	X	
	234	303½	Med Hard w/breaks	X	
5	303½	307½	Gray Broken Basalt	X	

Work started 9/1/78 finished 9/15/78

10.

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SD&P Firm No. 11
Address Jerome Date 9/28/78
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

Received 1-21-76 D.W.R.

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Robert CONWAY

Address Route 4 Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 280 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	-19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

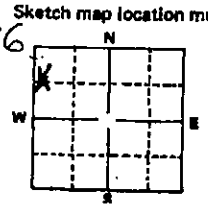
Surface seal depth 18 Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

36



Subdivision Name zHUNT

Lot No. 2 & 3 Block No. _____

County Jerome

SE¼NW¼ NE¼SW¼

_____ ¼ _____ ¼ Sec. 31, T. 8S N/S, R. 19EBM E/W

7. WATER LEVEL

Static water level 226 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	4	Top Soil		X
n	4	9	Hard Gray Basalt		
	9	11	Hard Gray Basalt		
	11	13	Broken Gray Basalt		
8/6	13	49	Hard Gray Basalt		
6	49	53	Broken Gray Basalt		
	53	56	Hard Gray Basalt		
	56	59	Broken Gray Basalt		
	59	61	Hard Gray Basalt		
	61	64	Broken Gray Basalt		
	64	69	Hard Gray Basalt w/lrg. breaks		
	69	78	Hard Gray Basalt		
	78	84	Broken Brown Basalt		
	84	98	Hard Brown Basalt		
	97	100	Broken Brown Basalt		
	100	128	Hard Brown Basalt		
	128	164	Hard Grayish Brown Basalt		
	164	168	Broken Gray Basalt		
	168	173	Hard Gray Basalt		
	173	178	Broken Brown Basalt		
	178	195	Hard Grayish Brown Basalt		
	195	199	Broken Gray basalt		
	199	214	Hard Grayish Brown Basalt		
	214	217	Hard Gray Basalt w/small breaks		
	217	224	Hard Gray Basaltw/small breaks		
	224	258	Hard Gray Basalt		X
	258	263	Broken Grayish Brown Basalt	X	X
	263	277	Hard Grayish Brown Basaltw/sml. brks.		
	277	284	Hard Grayish Brown Basalt w/lrg. brks		

100649

10.

Work started 12/1/75 finished 12/1/75

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 1/8/76

Signed by (Firm Official) [signature]

and

(Operator) [signature]

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
SEP 09 1999
Department of Water Resource
Southern Region

054555

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 36-99-S-0107-300
DRILLING PERMIT NO. ____
Other IDWR No. ____

2. OWNER:
Name Robert & Linda Crabtree
Address 1356 E. 400 S.
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 09 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 5, ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1356 E. 400 S.
3 Miles North of Hwy 25 & Hunt Road (Give at least name of road + Distance to Road or Landmark) City ____
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD

Was drive shoe used? ☐Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
Perforations Method ____
Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
200 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
	0	28	No. 8 Enviroseal		
	28	65	Clorinated Pea Gravel		
	65	85	3/8 Hole Plug		
	85	116	Clorinated Pea Gravel		
	116	119	3/8 Hole Plug		
	119	128	Clorinated Pea Gravel		
	128	149	3/8 Hole Plug		
	149	159	Clorinated Pea Gravel		
	159	200	3/8 Hole Plug		
	200	210	Clorinated Pea Gravel		

RECEIVED
SEP 24 1999
Department of Water Resource
Southern Region

RECEIVED
SEP 30 1999
Department of Water Resources

MICROFILMED
OCT 31 1999

Completed Depth 210' (Measurable)
Date: Started 9-21-99 Completed 9-22-99

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Russell F. Boley Well Drilling Firm No. 600
Firm Official Russell F. Boley Date 9-7-99
and
Driller or Operator ____ Date ____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

3099-S-0107-300

Russell F. Boley
Well Drilling
Murtaugh Id. 83344
P.O. Box 175

054556

RECEIVED
SEP 02 1999
Department of Water Resources
Southern Region

To: Department of Water Resources

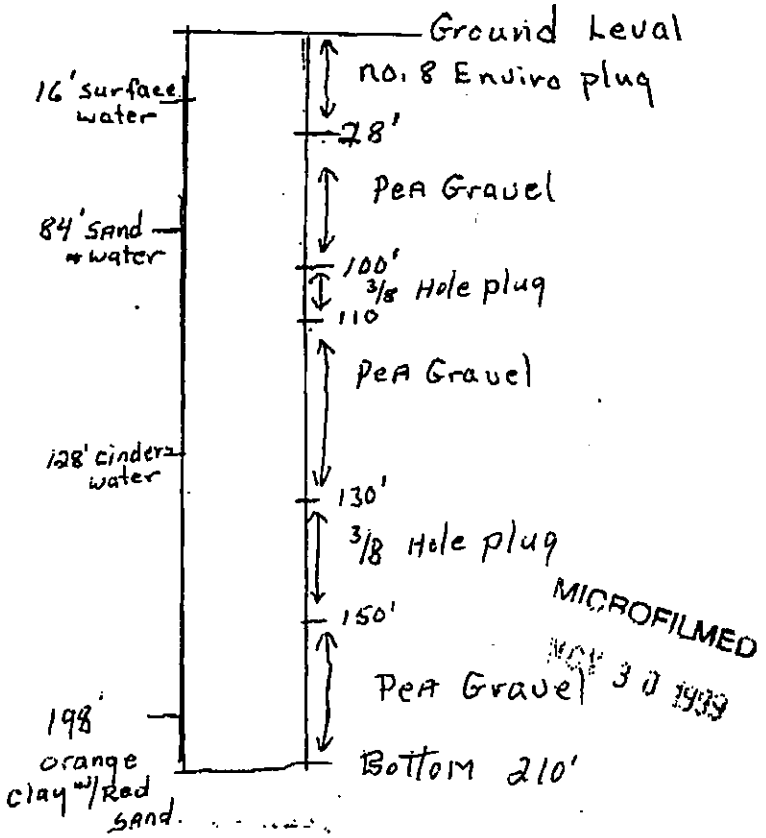
Attn: Gary Funderberg

This is for the abandonment of a domestic well for Robert & Linda Crabtree. At 1356 E. 400 S. Jerome County.

The new well is 300 feet from the old well which dosen't have a drill log. The old well has a static water leval of 200' and a depth of 210'.

Going by the drill log of new well I would separate the different stratas by useing clorinated pea gravel to fill the water bearing zones. In the zones that are solid basalt I would use 3/8 hole plug and No. 8 Enviro Seal in the top 18 feet.

Russell F. Boley



RECEIVED
SEP 30 1999
Department of Water Resources

MICROFILMED
SEP 30 1999

RECEIVED

SEP 02 1999

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES

Department of Water Resources Southern Region

WELL DRILLER'S REPORT

054554

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 000 - 8322

DRILLING PERMIT NO. 36 - 99 - S - 0107 - 200

Other IDWR No. _____

2. OWNER:

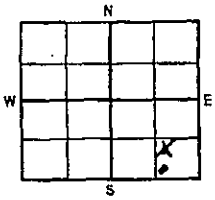
Name Robert & Linda Crabtree

Address 1356 E. 400 S. Jerome County

City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒

Rge. ~~19~~ East ☒ or West ☐

Sec. 5, ____ 1/4 SW 1/4 SE 1/4

Gov't Lot ____ County Jerome

Lat: : : Long: : :

Address of Well Site 1356 E. 400 S.

3 miles NE of Hwy 25 & Hunt Road City Jerome

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☐ New Well ☐ Modify ☐ Abandonment ☒ Other Replace

6. DRILL METHOD

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
No. 8 enviroplug	0	35'	10 sacks	Poured in at surface
Pea gravel	35'	230'	½ yard	
3/8 hole plug	230'	235	4 sacks	Poured in at surface

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 234'

Was drive shoe seal tested? ☒ Y ☐ N How? Pump test showed zero sand

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8	+1'	234'	.250	carbon steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

Perforations Method _____

Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

188 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
25 G.P.M.	0	234'	2 hrs.

Water Temp. Cold Bottom hole temp. Less than 85°

Water Quality test or comments: _____

Depth first Water Encounter 16'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10"	0	12'	Top Soil		X
10"	12	14	Brown Basalt		X
10"	14	16	cinders (Lost mud)		X
10"	16	30	Gray Basalt (Broken)	X	
8"	30	42	Brown Basalt		X
8"	42	46	Brown scoria		X
8"	46	65	Brown Basalt		X
8"	65	84	Gray Basalt		X
8"	84	87	Brown Sand	X	
8"	87	100	Brown Basalt		X
8"	100	112	Red cinders (Lost mud)		X
8"	112	116	Brown Basalt (Firm)		X
8"	116	119	Red cinders		X
8"	119	128	Alt. layers Red cinders w/clay & sand	X	
8"	128	132	Brown Basalt (Firm)		X
8"	132	141	Tan clay		X
8"	141	149	Gray Basalt (Hard)		X
8"	149	159	Dark Brown clay & sand w/rocks		X
8"	159	189	Brown Basalt (Firm)		
8"	189	198	Orange clay & sand	X	X
8"	198	200	Brown Basalt		X
8"	200	204	Red cinders water went out bottom	☒	X
8"	204	219	Red sand		X
8"	219	223	Brown Basalt (Firm)		X
8"	223	225	Brown scoria (clean cuttings)	X	
8"	225	236	Brown Basalt (Firm)		X
6"	236	238	Tan clay		X
6"	238	246	Brown Basalt (Hard)		X
6"	246	253	Scoria Brown (clean cuttings)	X	
6"	253	259	Brown Basalt (Firm)		X
6"	259	270	Alt. layers Brown Basalt & scoria (Lost all cuttings)	X	

Completed Depth 270' (Measurable)

Date: Started 8-3-99 Completed 8-26-99

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Russell F. Boley Firm No. 600

Firm Official _____ Date 8-31-99

and

Driller or Operator Russell F. Boley Date 8-31-99

(Sign once if Firm Official is Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Lavey Davidson

Address Eden, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 280 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8" inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

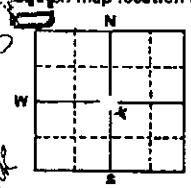
Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal ☒ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

NW ¼ SE ¼ Sec. 32, T. 8 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 230 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality good

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
15	none	½

Drilled 8" 0-18 47367

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	4	Brown clay		X
	4	38	Grey basalt		
	38	81	Brown basalt		
	81	93	Grey basalt		
	93	136	Brown basalt		
	136	145	Brown clay		
	145	154	Grey basalt		
	154	159	Brown clay		
	159	171	Brown basalt		
	171	207	Grey basalt		
	207	222	Brown basalt		
	222	238	Grey basalt		
	238	270	Brown basalt	X	
	270	280	Grey basalt		X

10. Work started 12 Dec 1974 finished 3 Jan 1975

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Murtaugh, Ida Date 18 Jan 1975

Signed by (Firm Official) Blair Boley

and

(Operator) Blair Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

RECEIVED NOV 1972 Department of Water Administration

1. WELL OWNER

Name Uhlis Davidson

Address Eden, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☑ Stock

4. METHOD DRILLED

☑ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 194 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 3/8 inches	+ 1 feet	20 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☑ No Size of gravel _____

Placed from _____ feet to _____ feet

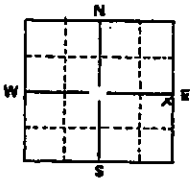
Surface seal? ☑ Yes ☐ No To what depth 20 feet

Material used in seal ☑ Cement grout ☑ Puddling clay

18' to 20' cement grout 18' to c.l. clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Jerome

NE ¼ SE ¼ Sec. 21, T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 149 feet below land surface

Flowing? ☐ Yes ☑ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
30	None	1/2

Drilled 8" first 20'

39933

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	5	Top soil		X
6	5	28	Grey basalt		X
6	28	59	Brown clay		X
6	59	87	Grey basalt		X
6	87	108	Brown basalt		X
6	108	123	Grey basalt		X
6	123	134	Tan clay	[illegible]	X
6	134	194	Brown basalt	150	

10.

Work started Oct 21 1972 finished Oct 31 1972

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Boley & Henry — Driller's or Firm's Name

86 — Number

Murtaugh, Idaho — Address

Blaine Boley Jr — Signed By

18 Nov 1972 — Date

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
OCT 18 1978
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bill Davis

Address Jerome

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 360 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	8 inches	+1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☐ No Size of gravel

Placed from feet to feet

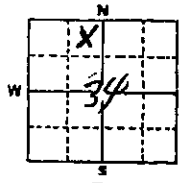
Surface seal depth 20' Material used in seal ☒ Cement grout ☐ Puddling clay ☒ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

(36)



Subdivision Name

Lot No. Block No.

County JEROME

NE ¼ NW ¼ Sec. 34 T. 8 N(S) R. 18 E(W)

7. WATER LEVEL

Static water level 250 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	3	Top Soil		X
	3	100	Very Hard Grey Lava		
	100	110	Loose Cinders		
	110	150	Medium Hard Lava		
	150	160	Soft Clay/Cinders		
	160	180	Cinder Strips&Lava		
	180	185	Clay-Yellow		X
	185	205	Grey lava		X
	205	215	Cinders, Lost Cutting		X
	215	245	Medium Hard & Cinder strips		X
7"	245	360	Broken Brown lava ,	X	X

10.

Work started 11/10/77 finished 11/17/77

11. DRILLERS CERTIFICATION

Firm Name Elsing Well Drilling Firm No. 31

Address P.O. Box 919 Twin Falls, ID Date 3/15/78

Signed by (Firm Official) Arnold Elsing

and (Operator)

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JAN 30 1978
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name BILL DAVIS

Address JEROME, IDAHO

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

_____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☒ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8" inches Total depth 360 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	8 inches	+ 1 feet	20 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

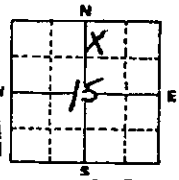
Surface seal depth 20' Material used in seal ☐ Cement grout ☐ Puddling clay ☒ Well cuttings

Seating procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

36



Subdivision Name _____

Lot No. _____ Block No. _____

County JEROME

NW ¼ NE ¼ Sec. 15 T. 8 N R. 18 E W

7. WATER LEVEL

Static water level 250 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	3	TOP SOIL		
	3	100	VERY HARD GREY LAVA		
	100	110	CINDERS		
	110	150	MED HARD LAVA		
	150	160	CLAY & CINDERS		
	160	180	CINDER STRIPS & LAVA		
	180	185	YELLOW CLAY		
	185	205	GREY LAVA		
	205	215	CINDERS - LOST CUTTINGS		
7"	215	360	MED HARD W/SOFT SPOTS	X	

10.

Work started 11-10-77 finished 11-17-77

11. DRILLERS CERTIFICATION

Firm Name FLYING DRILLING Firm No. 31

Address P.O. BOX 919 T.F. Date 11/29/77

Signed by (Firm Official) Arnold Elg

and

(Operator) Pat Gillespie

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JAN 30 1978
Department of Water Resources
Shoshone District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bill Davis

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

_____

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 320 feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth N/A Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Seeding procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 36

MICROFILMED

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SW ¼ NW ¼ Sec. 35, T. 9 N/S, R. 18 E/W

7. WATER LEVEL

Static water level 220 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pumo ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 105598

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20	175	185	Br Basalt		✓
	185	210	" Clay & Gravel		✓
	210	225	" Basalt		
	225	275	Gy "	✓	
	275	303	Br Cinders	✓	
	303	320	Broken Br Basalt	✓	

10. Work started 9/10/77 finished 10/24/77

11. DRILLERS CERTIFICATION

Firm Name Chuck Jones Firm No. 84

Address Kimberly Date 11/3/77

Signed by (Firm Official) Chuck Jones

and (Operator) Harold Barrett

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

App 88823

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0036517
DRILLING PERMIT NO. 832937
Other IDWR No. _____

2. OWNER:
Name C DeKruyf Dairy
Address 303 W 300 S
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 3 ____ 1/4 (10 acres) NE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 301 S 1000 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☐ Other Replacement

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

CA

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	19	450 lbs	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 187
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	1	186	.250	steel	☒	☐	☐	☐
5	174	300	.188	steel	☐	☒	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
244 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Baller ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
30+			

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments: ____
Depth first Water Encounter 217

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	5	top soil		
8	5	19	black lava		
8	19	29	black lava		
8	29	47	medium hard brown lava		
8	47	68	black lava		
8	68	72	medium hard & breaks		
8	72	73	crevasse		
8	73	81	medium hard lava		
8	81	89	hard lava		
8	89	91	soft broken		
8	91	99	medium hard & breaks		
8	99	146	hard lava		
8	146	148	medium hard lava		
8	148	153	soft broken lava		
8	153	161	medium hard lava		
8	161	169	hard lava		
8	169	181	medium hard & cinders		
8	181	187	gravel		
6	187	194	black lava		
6	194	204	brown clay		
6	204	212	black lava		
6	212	217	soft brown cinders	X	
6	217	244	black lava		
6	244	249	cinders	X	
6	249	251	medium hard black lava	X	
6	251	280	black lava		
6	280	285	broken lava	X	
6	285	297	black lava		
6	297	300	broken black lava	X	

RECEIVED
MAY 13 2005
Department of Water Resources
Southern Region

Completed Depth 300 (Measurable)
Date: Started 4/29/2005 Completed 5/1/2005

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 5/10/2005
and
Driller or Operator [signature] Date 5/10/2005
(Sign once if Firm Official & Operator)

Tony Sanchez Helper

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 60305

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 34-98S-0037-000
Other IDWR No. D000 2350

2. OWNER:
Name Dean Dimond
Address 3059 S 1800 East
City Wendell State Id Zip 83355

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☑
Rge. 18 East ☑ or West ☐
Sec. 1, ____ 1/4 SW 1/4 SE 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1458 Hwy 25
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt.____ Blk.____ Sub. Name____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other____

5. TYPE OF WORK check all that apply (Replacement etc.)
☑ New Well ☐ Modify ☐ Abandonment ☐ Other____

6. DRILL METHOD
☑ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	6	19	150	Pour Dry.

Was drive shoe used? ☐ Y ☑ N Shoe Depth(s)____
Was drive shoe seal tested? ☐ Y ☑ N How?____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	19'	250	Steel	☑	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe____ Length of Tailpipe____

9. PERFORATIONS/SCREENS
☐ Perforations Method____
☐ Screens Screen Type____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
228 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 48 5° Bottom hole temp. 48 5°
Water Quality test or comments: ____
Depth first Water Encountered 230'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	6	Top Soil		X
8	6	34	Hard Tan BL.		X
8	34	39	Broken Red Cinders.		X
	39	75	Med Hard Red Lava No Returns		X
	75	80	Med Hard		X
	80	92	Soft Broken Cinders		X
	92	119	Med Hard Red Lava Returns		
	119	141	Hard BL Lava		
	141	148	Soft Broken BL Cinders		
	148	155	Red Ash Soft Cinders.		
	155	160	Med Hard		
	160	174	Hard Clay		
	174	179	Soft Lava & Cinders		
	179	189	Med Hard.		
	189	193	Soft & Cinders No Return		
	193	214	Med Hard		X
	214	246	Soft Broken 320	X	
	246	270	Med Hard	X	
	270	275	Soft Broken	X	
	275	280	Med Hard	X	

RECEIVED
APR 08 1998
Department of Water Resources
Southern Region
RECEIVED
MAY 12 1998
Department of Water Resources

Completed Depth 280' (Measurable)
Date: Started 3/16/98 Completed 3/17/98

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official [signature] Date 3-18-98
and
Supervisor or Operator [signature] Date 3/17/98
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
SEP 27 1976
Department of Water Resources
Southern District Office

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ken Dixon

Address Jerome

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 5 inches Total depth 258 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.258 inches	5 9/160 inches	+1½ feet	-232 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Gravel packed? ☐ Yes ☒ No Size of gravel

Placed from feet to feet

Surface seal depth 18 Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

36

N / W / E / S

Subdivision Name

Lot No. Block No.

County Jerome

¼SW ¼ SE ¼ Sec. 6, T. 9S N/S, R. 19EBM E/W

7. WATER LEVEL

Static water level 206 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 39932

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	5	Top Soil		X
	5	10	Hard Gray Basalt		
	10	24	Hard Gray Basalt/small breaks		
	24	31	Med Hard Brown Basalt/lg breaks		
	31	41	Hard Gray Basalt		
	41	42	Crevice/lost return		
	42	48	Hard w/small breaks		
	48	56	Hard		
	56	63	Hard w/small breaks		
	63	69	Hard		
	69	75	Broken		
	75	82	Hard w/small breaks		
	82	86	Broken		
	86	92	Hard w/large breaks		
	92	140	Very Hard		
	140	148	Hard w/small breaks		
	148	159	Clay w/broken Rock		
	159	171	Hard w/large breaks		
	171	175	Hard		
	175	178	Broken		
	178	189	Hard w/small breaks		
	189	194	Hard		
	194	206	Hard w/small breaks		X
	206	210	Broken	X	
	210	228	Hard w/small breaks	X	
	228	232	Hard		X
5	232	241	Hard Grayish Brown Basalt	X	X
	241	256	Hard Gray Basalt w/large breaks	X	
	256	258	Broken Brown Basalt/red sand	X	

10.

Work started 8/19/76 finished 8/21/76

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC Firm No. 11

Address 328 West Avenue A Jerome Date 9/10/76

Signed by (Firm Official)

and

(Operator) Lee L Blair II

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Roy F. Dobson

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8OD inches +	1 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

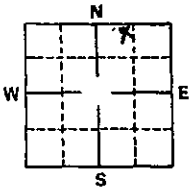
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ NE ¼ Sec. 21, T. 8S N/S, R. 18EBM E/W.

MICROFILMED
MAR 14 1988

7. WATER LEVEL

Static water level 253 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	10	Top Soil		X
8/6	10	42	Med Hard Gray Basalt		
6	42	49	Pinkish Gray Basalt		
	49	60	Med Hard Gray Basalt		
	60	65	Crevice-Broken Pink-Gray Basalt-clay		
	65	80	Crevice		
	80	85	Hard		
	85	105	Med Hard		
	105	115	Med Hard w/some seams		
	115	120	Soft Like clay an broken		
	120	141	Med Hard		
	141	150	Soft porous w/hard spots		
	150	153	Med Hard		
	153	158	Med Soft		
	158	165	Med Hard w/Borken loose spots		
	165	170	Broken w/soft spots		
	170	212	Med Hard		
	212	214	Med Soft		
	214	245	Med Hard		
	245	257	Med Hard w/seams		X
	257	285	Med Soft Broken-Loose	X	
	285	295	Med Hard Borken	X	
	295	305	Broken	X	

RECEIVED
JUL 08 1987
Department of Water Resources

10.

Work started 4/15/81 finished 4/16/81

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMPING Co. No. INC. 11
Address Jerome Date 4/22/81
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

RECEIVED OCT 16 1996 Department of Water Resources Southern Region

1. DRILLING PERMIT NO. 36-96-S-0166-000
Other IDWR No. _____

2. OWNER:
Name Marvin & Wendy Dunlap
Address 220 Van Buren St
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8S North ☐ or South ☒
Rge. 19E East ☒ or West ☐
Sec. 33, ____ 10 acres 1/4 SE 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 2915 1500 E
City Eden
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	183	250 185	Dry

Was drive shoe used? ☒Y ☐N Shoe Depth(s) 183
Was drive shoe seal tested? ☐Y ☒N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	185	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe +1' Length of Tailpipe 185

MICROFILMED DEC 06 1996

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
210 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 294 ft. Describe access port or control devices: Well Cap

11. WELL TESTS: ☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. -85° Bottom hole temp. -85°
Water Quality test or comments: _____
Depth first Water Encountered 294

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	6	Brown Sandy Clay		
	6	11	Gray Lava		
8"	11	16	Black & Red Lava		
8"	16	23	Gray Lava		
	23	25	Red Lava		
	25	48	Gray Lava		
	48	57	Black & Red Lava		
	57	60	Black Lava		
	60	78	Gray Lava		
	78	86	Brown Lava		
	86	90	Gray Lava		
	90	94	Red Lava		
	94	98	Gray Lava		
	98	102	Black Lava - Broken		
	102	121	Gray Lava		
	121	130	Brown Sand		
	130	170	Brown Ash RECEIVED		
	170	183	Brown Clay		
	183	197	Gray Lava OCT 23 1996		
	197	215	Brown Ash		
	215	241	Gray Lava Department of Water Resources		
	241	245	Red Lava		
	245	294	Gray Lava		
	294	296	Red Lava - Broken	X	
	296	309	Black & Red Lava		
	309	311	Black & Brown Lava - Br Clay		
	311	320	Gray Lava		
	320	324	Crevice & Broken	X	
	324	345	Gray Lava - Breaks		
	345	346	Crevice		
	346	350	Red & Black Lava		
	350	355	Gray Lava		

Completed Depth 355' (Measurable)
Date: Started 10-4-96 Completed 10-9-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official _____ Date 10-16-96
and
Supervisor or Operator _____ Date 10-16-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 37
App 869284
Per 771992

I 343902

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

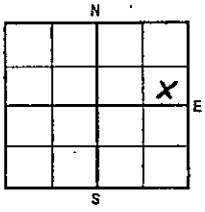
Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016635
DRILLING PERMIT NO. ___-___-___-___-___
Other IDWR No. 36-W-188

2. OWNER:
Name Gayland & Cindy Jo Edwards
Address 237 South 875 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S



Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33, SE 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
237 South 875 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	18	3 S	Poured
Overbore to				
seal depth				

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
228 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	5	Topsoil		x
	5	18	Gray basalt		x
6"	18	121	Gray basalt		x
	121	125	Brown ash		x
	125	163	Gray basalt		x
	163	166	Cinders		x
	166	185	Brown sandy clay		x
	185	230	Gray basalt		x
	230	246	Brown ash & cinders		x
	246	255	Fractured gray basalt	x	

RECEIVED
NOV 05 2001
Department of Water Resources
Southern Region

Completed Depth 255 ft. (Measurable)
Date: Started 10-31-01 Completed 10-31-01

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 11-1-01
and
Driller or Operator CRAIG EGAN Date 11-1-01
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

Basin 36
App 866148
Per 748894

IP 340887

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

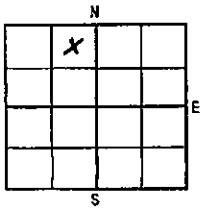
Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016269
DRILLING PERMIT NO. ___-___-___-_____-_____
Other IDWR No. _____

2. OWNER:
Name Gayland & Cindy Jo Edwards
Address 519 S Edith
City Shoshone State ID Zip 83352

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X



Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33 ____ 1/4 (10 acres) NE 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
237 South 875 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	18	3 S	Poured
Overbore to				
seal depth				

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
235 ft. below ground Artesian pressure ____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	8	Topsoil		x
	8	18	Gray basalt		x
6"	18	29	Gray basalt		x
	29	43	Cinders, lost circulation		x
	43	171	Fractured basalt		x
	171	180	Cinders		x
	180	197	Fractured basalt		x
	197	209	Cinders		x
	209	300	Fractured basalt	x	

RECEIVED
MAY 14 2001
Department of Water Resource
Southern Region

RECEIVED
MAY 15 2001
Department of Water Resources

Completed Depth 300 ft. (Measurable)
Date: Started 5-10-01 Completed 5-10-01

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 5-11-01
and
Driller or Operator Craig Egan Date 5-11-01
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 74635

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0042936
DRILLING PERMIT NO. 84002.0
Water Right or Injection Well No.

2. OWNER:
Name Gayland Edwards
Address 237 S 875 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33, ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: 42: 41.172 Long: 114: 20.777
Address of Well Site 241 S 875 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	18	9 bags	poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	18	.250	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
225 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	5	topsoil		
	5	18	gray basalt		
6	18	119	gray basalt		
	119	133	brown ash + cinders		
	133	186	gray basalt +		x
	186	290	fractured basalt - cinder beds - lost circ.	x	
	290	300	basalt	x	
			Actual hole sizes are 8¾ + 6¼		

RECEIVED
MAY 26 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 300' (Measurable)
Date: Started 5-12-06 Completed 5-15-06

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling + Pump Inc Firm No. 669
Principal Driller Craig Ege Date 5-18-06
and
Driller or Operator II Lloyd Hayden Date 5-18-06
Operator I Alex Peter Date 5-18-06
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

WELL LOG AND REPORT BY THE
MACK GRAY WELL DRILLING
KIMBERLY, IDAHO

024384

Permit No. _____ Well No. _____ County Jerome

Owner Ernest Egan

Address Jerome, Idaho

Driller Mack Gray Well Drilling

Address Kimberly, Idaho

Well location SE ¼ NE ¼ Sec. 17, T. 9 N/S, R. 18 E/W

Size of drilled hole 16"

Total depth of well 245 ft.

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 105' Water temp. _____ °Fahr.

On "Pumping Test" delivery was 2280 g.p.m. or _____ c.f.s. Drawdown was 2' feet.

Size of pump and motor used to make test 12" bowls 8" column, 150 H.P. U.S. Gear Driven

Length of time of test 2½ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation Weight of casing per lineal foot _____

Thickness of casing ¼" Casing material Steel
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 16", 6', 0 to 6'
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER)
CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
16"	0	6'	6'	
				Well

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well 8/11/61 Date of completion of well 8/25/61

SENE S.17 9S 18E

24385

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	10	Black lava		
10	20	Gravel		
20	35	Hard grey lava		
35	50	Brown lava		
50	60	Red cinders		
60	70	Brown lava		
70	73	Cinders		
73	77	Brown lava		
77	80	Red lava		
80	114	Brown shale		
114	117	Shale & broken lava Some water		
117	162	Grey lava		
162	170	Shale		
170	205	Black lava Some water at 179!		
205	212	Sand Water at 205!		
212	230	Hard black lava		
230	245	Cinders		
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed Mack's Gray Well Drilling

By Mrs. Mack Gray

License No. 150

Dated 8/28/61, 19

024374

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

RECEIVED
MAR 1. 1957
Department of Reclamation

Log No. _____
Rec. _____, 19____
Well No. _____
Permit No. _____
(DO NOT FILL IN)

Owner M. C. ELDRED Address ROUTE 3, JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: NE ¼ SE ¼ Sec. 6, T. 9S N/S, R. 18 E/W JEROME County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole 4 1/8" Total depth of Well 238'

Give depth of standing water from surface 164' Water Temp. _____ °Farenheit

On pumping test delivery was 15 g.p.m. or _____ c.f.s. Drawdown was None feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was 1 hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot _____

Thickness of casing _____ Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 4½" O.D., 200', FROM 0 TO 200'
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well 1-17-57 Date of completion of well 1-24-57

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
4½" OD	0	200'	200'	DRIVEN IN WITH DRIVE SHOE

GS

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

NESE S.6 9S 18E

12

024375

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	16	TOP SOIL				
16	54	LAVA GRAY				
54	64	BURNT LAVA BROWN				
64	70	LAVA BROWN				
70	85	CLAY				
85	95	CREVICE & LOOSE ROCK				
95	110	LAVA GRAY				
110	115	LOOSE ROCK				
115	125	CREVICE FORMATION				
125	164	LAVA GRAY				
164	194	CLAY, SAND & LOOSE ROCK				
194	200	LOOSE ROCK				
200	235	LAVA				
235	238	LOOSE ROCK & CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated JANUARY 28, 1957, 19

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED MAR 29 1980 Department of Water Resources Southern District Office

1. WELL OWNER

Name CLAYTON ERLING

Address EDEN, IDAHO

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☒ Other DAIRY OPERATION (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	21 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

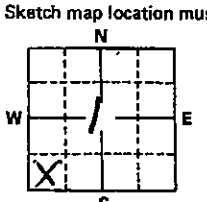
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 21 Material used in seal: ☒ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County JEROME

SW ¼ SW ¼ Sec. 1, T. 9 N/S R. 19 E/W.

7. WATER LEVEL

Static water level 220 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	8	TOP SOIL		
	8	45	GREY LAVA		
	45	48	CINDERS + CREVACES		
	48	90	MED HARD		
	90	105	SOFT- CINDERS		
	105	123	MED. HARD		
	123	128	SOFT- CLAY		
	128	300	SOLID HARD LAVA @ SOFT SPOTS	X	

RECEIVED MAR 18 1980 Department of Water Resources

10. Work started 9-29-79 finished 9-30-79

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name ELSING DRILLING Firm No. 31

Address P.O. BOX 919 T.F. Date 10/15/79

Signed by (Firm Official) Arnold Elsing

and

(Operator) Pat Gillespie

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jay R. Fowles
Address 1278 E 400 S Jerome, ID 83338
Owner's Permit No. 36 - W - 150

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☒ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	8 5/8 inches	+ 1 feet	20½ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

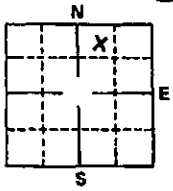
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19½ Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



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MAR 09 1988

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ NE ¼ Sec. 7, T. 9 ☒N/S, R. 19 E/☒W.

7. WATER LEVEL

Static water level N/A feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature N/A °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
N/A		

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	0	19	Sandy clay		
	19	25	Grey basalt		
8	25	26	Crevice		
	26	71	Grey basalt		
	71	72	Brown cinders		
	72	80	Black Basalt		
	80	85	Lost returns		
	85	90	Broken crevices		

RECEIVED
APR 08 1987
Department of Water Resources

RECEIVED
APR 6 1987
Department of Water Resources
Southern Region Office

10.

Work started 3/23/87 finished 3/24/87

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Walker Water Systems, Inc, 624 Pierce Street Twin Falls, Idaho 83301 Firm No. 15
Address _____ Date 3/27/87
Signed by (Firm Official) Fred Walker
and
(Operator) Fred Walker

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
11/97

C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

95757

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008007
DRILLING PERMIT NO. 47-99-S-0034-000
Other IDWR No. _____

2. OWNER: % Homes America
Name Robert & Leah Gardner
Address 2727 Kimberly Rd.
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 7, ____ 1/4 SW 1/4 NE 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
437 South 1280 East (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	3 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Yes ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	6	Topsoil		x
	6	18	Gray basalt		x
6"	18	25	Gray basalt		x
	25	28	Broken basalt		x
	28	70	Basalt		x
	70	83	Fractured gray basalt		x
	83	140	Fractured gray basalt		x
	140	144	Tan clay		x
	144	208	Fractured gray basalt		x
	208	224	Brown ash & cinders		x
	224	305	Fractured gray basalt	x	

RECEIVED
APR 08 1999
Department of Water Resources
Southern Region

RECEIVED
APR 28 1999
Department of Water Resources

JUN 08 1999

Completed Depth 305 ft. (Measurable)
Date: Started 4-2-99 Completed 4-2-99

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 4-7-99
and
Driller or Operator Craig Egan Date 4-7-99
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

47511

RECEIVED
APR 29 1965
Department of Reclamation

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. _____ Well No. _____ County JEROME

Owner HAROLD A. GOODRICH

Address HUNT, IDAHO

Driller ALLEN P. DEVOE (SMITH DRILLING & PUMP CO. INC.)

Address JEROME, IDAHO

Well location TRACT B ¼ ¼ Sec. 34, T. 8 N/S, R. 19 E/W

Size of drilled hole 6¼" TO 308', FROM 308' TO 392' DRILLED 5"

Total depth of well 392'

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 177 Water temp. _____ °Fahr.

On "Pumping Test" delivery was 15 g.p.m. or _____ c.f.s. Drawdown was 30 feet.

Size of pump and motor used to make test 15 G.P.M. PUMP & 1½ H.P. MOTOR, SUBMERGA

Length of time of test 16 HOURShours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for FARM DOMESTIC Weight of casing per lineal foot 10.76

Thickness of casing .188 Casing material STEEL
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 5-3/16" I.D. -309' LONG, SET AT 308'
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
5-3/16	+1'	308'	309	DRIVEN SHOE DRIVEN IN TO 5" HOLE
				38' 5"--28' 5"--29' 3"--29' 10"--28' 7"--29' 4"
				30' 2"--20' 10"--20' 11" 23' 6"--29' 10"
				TOTAL 309' PLUS DRIVE SHOE
				THIS WELL HAS A DRAW DOWN

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well 7-29-64 Date of completion of well 9-11-64

S. 34 8S 19E

wtds

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	2	TOP SOIL AND CLAY: BROWN COLOR: SOFT		
2	9	LOOSE ROCK AND CLAY: BROWN & GREY COLOR: MEDIUM		
9	37	LAVA: GREY COLOR: MEDIUM		
37	56	CREVICE FORMATION		
56	79	LAVA: GREY COLOR: HARD		
79	138	BROKEN LAVA WITH CLAY & SAND: BROWN COLOR: MEDIUM		
138	147	CLAY AND SAND: BROWN COLOR: SOFT		
147	194	LAVA: GREY COLOR: MEDIUM		
194	197	CLAY: BROWN COLOR: SOFT		
197	207	RED SAND & LOOSE LAVA: RED COLOR: MEDIUM: WATER AT 204 FEET		
207	214	LAVA: GREY COLOR: MEDIUM		
214	298	LAVA WITH CLAY: BROWN & GREY COLOR: MEDIUM		
298	301	LAVA WITH CLAY: RED COLOR: SOFT		
301	318	LAVA: GREY COLOR: HARD		
318	321	LAVA WITH CLAY: GREY & BROWN COLOR: MEDIUM		
321	372	LAVA: GREY COLOR: MEDIUM		
372	384	LOOSE LAVA WITH CLAY: GREY COLOR: MEDIUM		
384	388	LAVA: LIGHT GREY COLOR: HARD		
388	390	LOOSE LAVA: GREY COLOR: MEDIUM		
390	392	CREVICE FORMATION		
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

SMITH DRILLING AND PUMP, INC.

Signed _____

By J. Emmett Smith

License No. 11

Dated 9 - 25, 1967

App 82452 **CORRECTED COPY**

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 SE 1/4 NE 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030392
DRILLING PERMIT NO. 8146479
Water Right or Injection Well No. ID 385364

2. OWNER: Ken Gorringe
Name %Dave Austin Well Drilling
Address 3625 North 3300 East
City Kimberly State ID Zip 83341

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 6, ____ 1/4 (10 acres) NE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
700 East 325 South City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	18	5 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
196 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
____ Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	11	Topsoil		x
	11	18	Gray basalt		x
6"	18	38	Gray basalt		x
	38	50	Broken, lost circulation		x
	50	87	Fractured, cinder beds		x
	87	137	Basalt		x
	137	168	Fractured basalt		x
	168	182	Ash		x
	182	187	Clay		x
	187	355	Fractured	x	
			Actual bore hole diameter is 8-3/4" and 6-1/8"		

RECEIVED
MAY 11 2004
Department of Water Resources
Eastern Region
SCANNED
MAY 18 2004
RECEIVED
MAY 20 2004
DEPARTMENT OF WATER RESOURCES

Completed Depth 355 ft. (Measurable)
Date: Started 5-7-04 Completed 5-7-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 5-10-04
and
Driller or Operator II Craig Egan Date 5-10-04
Operator I Lloyd Hayde Date 5-10-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Mike Gott 83325
Address 915 Skeleton Butte Eden, Id
Drilling Permit No. 36-91-5-063-001
Water Right Permit No. 36-8017

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

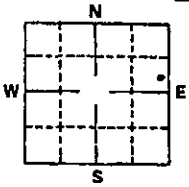
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE¼ NE¼ Sec. 10, T. 9 N ☐ S ☒, R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 192 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature cold °F. Quality cool
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 023584

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5¾	204	240	Gray Scoria	X	
5¾	240	248	Broken Clay		X
5¾	248	250	Gray Scoria	X	

RECEIVED
MAY 29 1991
Department of Water Resources
Southern Region Office

RECEIVED
JUL 1 2 1991
Department of Water Resources

10.

Work started 5-15-91 finished 5-17-91

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Doley + Henry Firm No. 86
Address Murtaugh Date 5-29-91
Signed by (Firm Official) Blaine Doley
and
(Operator) Fred Henry

MICROFILMED
APR 02 1992

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Mike Goff 83325
Address 915 Skeleton Butte Edwd.
Drilling Permit No. 36-91-5-063 #01
Water Right Permit No. 36-8017

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

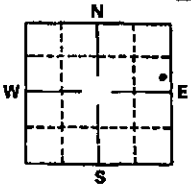
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE¼ NE¼ Sec. 10, T. 9 N ☐ S ☒, R. 18 E ☒ W ☐

MICROFILMED
APR 02 1992

7. WATER LEVEL

Static water level 192 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature cold °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 023584

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5¾	204	240	Grey Scoria	X	
5¾	240	248	Broken Lava		X
5¾	248	250	Grey Scoria	X	

RECEIVED
MAY 29 1991
Department of Water Resources
Southern Region Office

RECEIVED
JUL 1 2 1991
Department of Water Resources

10.

Work started 5-15-91 finished 5-17-91

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Address Murtaugh Date 5-29-91
Signed by (Firm Official) Blaine Boley
and
(Operator) Fred Henry

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
APR 30 10 1975
Department of Water Resources

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bob Grant

Address Route #4 Jerome, Idaho 83338

Owner's Permit No. 36-7516

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20" inches Total depth 250 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
~~XX~~250 inches	20" inches	+ 1 feet	10 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number		From	To
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel ____

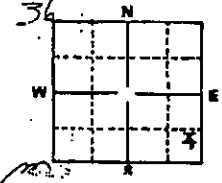
Placed from ____ feet to ____ feet

Surface seal depth 9' Material used in seal ☒ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name ____

Lot No. ____ Block No. ____

County Jerome

SE ¼ SE ¼ Sec. 28, T. 8 ~~XX~~S, R. 19 E~~XX~~

7. WATER LEVEL

Static water level 140 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow ____

Temperature ____ ° F. Quality ____

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
3600	4 FT	1

36879

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20"	0	3	Sandy top soil		X
	3	6	Yellow-tan clay and sediments		X
	6	11	Firm gray lava		X
	11	42	Broken gray lava		X
	42	68	Firm gray lava		X
	68	92	Broken red and gray lava		X
	92	95	Firm gray lava		X
	95	98	Broken red and gray ~~lava~~ basalt (lost cuttings)		X
	98	107	Brown clay		X
	107	115	Gray broken lava boulders (caving)		X
	115	165	Gray lava (firm) (water) (first)		
			First water 155 ft.	X	
	165	167	Red and gray cinders (water)	X	
	167	180	Red lava		
	180	190	Red and gray cinders (water)	X	
	190	200	Gray lava		
	200	220	Gray lava (broken) (water)	X	
	220	235	Broken gray lava and Yellow clay in the cracks		
	235	238	Firm gray lava		
	238	250	Broken gray lava and brown to gray sandy clay (caving)		
			Bailer indicator test was performed		
			Results. between 3 and 4 sec. recovery.		
			Test was made with 14 ft. 16" bailer		
			capacity 100 gals.		
			Waiver granted		

10.

Work started April 9, 1975 finished May 8, 1975

11. DRILLERS CERTIFICATION

Cont.

Firm Name Jack Alexander, Drilling Firm No. 127

Address 510-13th St. Rupert, Idaho Date 8-7-59

Signed by (Firm Official) Jack Alexander

and

(Operator) Jack Alexander

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

47507

RECEIVED
JUN 2 61959
Department of Reclamation

Log
Rec. _____, 19____
Well No. _____
Permit No. _____

(DO NOT FILL IN)

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Owner JOSEPH G. HANSEN Address WENDELL, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SW ¼ SW ¼ Sec. 26, T. 8 N/S, R. 18 E/W GOODING County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole 8" TO 62' 5 5/8 TO 77' Total depth of Well 77'

Give depth of standing water from surface 56' Water Temp. _____ °Farenheit

On pumping test delivery was 15 g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was 1 hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot 12.9

Thickness of casing .188 Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6 5/8", 62', FROM 0 TO 62'
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well 1-24-59 Date of completion of well 1-31-59

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6 5/8"	0	62'	62'	DRIVEN IN WITH DRIVE SHOE - 6"

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SW SW 5.26 8S 18E

6

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	4½"	SAND & CLAY				
4½	16	LAVA GRAY-BLUE MEDIUM				
16	22	LAVA LIGHT GRAY HARD				
22	35	LAVA DARK BROWN MEDIUM SMALL CREVICE AT 35'				
35	50	LAVA GRAY MEDIUM				
50	52	LAVA CINDERS & LOOSE ROCK - CAVED				
52	64	LAVA GRAY LOOSE - CAVED			No	No
64	67	LAVA CREVICE AT 67, WATER CLEARED				
67	77	LAVA BROKEN				
		If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated MARCH 23, 19 59

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JUN 16 1976
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Marion Hansen

Address Eden, Idaho

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 260 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8 O Dinches	+ 1 feet	-76 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel

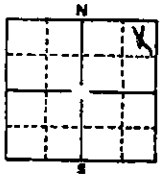
Placed from feet to feet

Surface seal depth 18 Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County Jerome

NE ¼ NE ¼ Sec. 30, T. 9S N/S, R. 19E E/W

7. WATER LEVEL

Static water level 195 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

39934

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top Soil		X
	2	10	Hard Gray Basalt		
	10	14	Hard Gray Basalt w/small breaks		
	14	25	Hard Gray Basalt		
	25	28	Hard Brown Basalt		
	28	37	Hard Gray Basalt		
	37	39	Broken Gray Basalt		
	39	50	Hard Grayish brown Basaltw/small bkea		
	50	65	Brown Clay/Broken Gray Basalt	X	
	65	70	Broken Gray Basalt	X	
8/6	70	81	Hard Gray Basalt		X
6	81	84	Broken Gray Basalt		
	84	88	Hard Gray Basalt w/small breaks		
	88	93	Crevice -Lost Return		
	93	103	Hard w/small breaks		
	103	107	Med Hard		
	107	108	Crevice		
	108	115	Hard Rock		
	115	123	Med Hard w/large breaks		
	123	130	Hard		
	130	134	Broken		
	134	141	Hard		
	141	144	Med Hard w/small breaks		
	144	154	Hard w/large breaks		
	154	169	Hard		
	169	174	Broken		
	174	176	Hard		
	176	181	Hard w/small breaks		
	181	192	Very Hard		
	192	196	Hard w/small breaks		
	196	203	Broken Rock		X
	203	207	Hard w/small breaks trace	X	
	207	217	Hard/[illegible]		X
	217	223	Hard Rock w/large breaks	X	
	223	234	Med Hard		X
	234	240½	Hard w/small breaks	X	
	240½	244	Broken	X	
	244	246	Hard		X
	246	260	Med Hard w/small breaks	X	

10.

Work started 5/20/76 finished 5/24/76

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING &PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 6/10/76

Signed by (Firm Official) [signature]

and

(Operator) [signature]

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JUN 22 1977
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bob Henry

Address R+ 4 Jerome

Owner's Permit No.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☑ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☑ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 10 inches Total depth 260 feet

Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	10¾ inches	+ 2 feet	184 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☑ No

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name

Type Model No.

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Gravel packed? ☐ Yes ☑ No Size of gravel

Placed from feet to feet

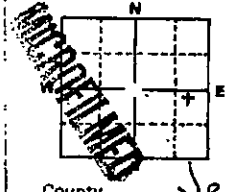
Surface seal depth 25 Material used in seal ☐ Cement grout ☐ Puddling clay ☑ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☑ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

(30)



Subdivision Name

Lot No. Block No.

County Jerome

NE¼ SE¼ Sec. 3, T. 9 S, R. 19 E

7. WATER LEVEL

Static water level 196 feet below land surface

Flowing? ☐ Yes ☑ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
No test made except to pump 700 & 800 G.P.M.		

9. LITHOLOGIC LOG 87597

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	0	4	Brown clay		X
	4	28	Grey basalt		X
	28	32	Brown basalt		X
	32	43	Brown scoria		X
	43	57	Brown basalt		X
	57	66	Brown scoria		X
	66	119	Brown basalt		X
	119	127	Brown Sandy clay		X
	127	134	Brown scoria		X
	134	143	Brown basalt		X
	143	145	Brown scoria		X
	145	157	Brown Basalt @ 140'	X	
	157	177	Brown Sandy clay	X	
	177	189	Brown Basalt	X	
	189	197	Grey basalt		X
	197	201	Brown scoria	X	
	201	207	Brown basalt	X	
	207	210	Scoria	X	
	210	231	Grey basalt		X
	231	239	Brown basalt		
	239	243	Grey-brown basalt		X
	243	248	Brown scoria	X	
	248	255	Brown Sandy clay		X
	255	260	Brown basalt	X	

10.

Work started 1 June 1977 finished 17 June 1977

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 82

Address Murtaugh, Idaho Date 18 June 1977

Signed by (Firm Official) Blaine Boley

and

(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Arthur Henry

Address 1326 E 900 S Eden, ID 83325

Drilling Permit No. 36-93-S-0107-000

Water Right Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6-5/8 inches	+ 1 feet	41 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

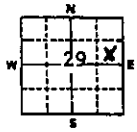
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 41' Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port Well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site _____ (give at least name of road)
SE ¼ NE ¼ Sec. 29, T. 9 N ☐ or S ☒, R. 19 E ☒ or W ☐

7. WATER LEVEL

Static water level 232 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 104016

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	2	Topsoil		x
	2	25	Sand		x
	25	40	Sand & white clay		x
	40	41	Basalt		x
6"	41	70	Basalt		x
	70	74	Broken basalt, no circulation		
	74	130	Basalt		x
	130	138	Cinders		x
	138	192	Basalt		x
	192	202	Cinders		x
	202	225	Basalt		x
	225	235	Cinders	x	
	235	265	Basalt		x
	265	287	Cinders	x	
	287	294	Basalt		x
	294	300	Cinders	x	
			Well filled in---total depth 280 ft.		

RECEIVED
APR 09 1993
Department of Water Resources
Southern Region Office

10.

Work started 4-9-93 finished 4-9-93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling P.O. Box 919 Firm No. 31
Address Twin Falls, ID 83303 Date 4-9-93
Signed by Drilling Supervisor _____
and
(Operator) _____ *(If different than the Drilling Supervisor)*

AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

App 80460

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0034588
DRILLING PERMIT NO. 827065
Water Right or Injection Well No.

2. OWNER:
Name Bob Henry Jr.
Address 210 B S 875 E
City Jerome State ID. Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 34, SE 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 210 S 875 E
City Jerome
(Give at least: name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
N/A				

Was drive shoe used? ☐Y ☐N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
		N/A			☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
	N/A					☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
273 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20 gpm		273'	

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
4	280	290	Grey basalt		✓
	290	310	Fractured basalt	✓	
	310	315	Grey basalt		✓

RECEIVED
SEP 23 2005
Department of Water Resources
Southern Region

Completed Depth 310' (Measurable)
Date: Started 12/15/04 Completed 12/16/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling Co. Firm No. 531
Principal Driller ____ Date ____
and
Driller or Operator II ____ Date 7/18/05
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Manufactured by
Alexander Clark Printing
Boise, Idaho - (208) 322-0611

Correction

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D CC34588
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Bob Henry Jr.
Address 210 B S 875 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 S North ☐ or South ☑
Rge. 18 East ☑ or West ☐
Sec. 34, SE 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 210 S 875 E
(Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
N/A				

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
N/A					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
N/A						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
273 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☑ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20 gpm		273'	

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
4	280	290	Grey Basalt		✓
	290	310	Fractured Basalt	✓	
	310	315	Grey Basalt		✓

RECEIVED
JUN 23 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 310' (Measurable)
Date: Started 12/15/04 Completed 12/16/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Bodiak Drilling Co. Firm No. 531
Principal Driller ____ Date ____
and
Driller or Operator II ____ Date 7/13/05
Operator I ____ Date ____
Principal Driller and Rig Operator *Required*.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

App 80290

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0043054
DRILLING PERMIT NO. 84067I
Water Right or Injection Well No.

2. OWNER:
Name HENRY FARMS
Address 310 S 875 E
City JEROME State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 12 ____ 1/4 (10 acres) NE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County JEROME
Lat: : : Long: : :
Address of Well Site 1457 HWY 25 City JEROME
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	18	4 SACK	POUR

Was drive shoe used? ☐Y ☒N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8	+2	18	250	STEEL	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
224 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:
PLATE

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. Bottom hole temp.
Water Quality test or comments:
Depth first Water Encounter

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	2	TOP SOIL		X
	2	18	GRAY BASALT		X
6	18	53	GRAY BASALT		X
	53	158	FRACTURED GRAY BASALT		X
	158	162	RED ASH + CINDERS		X
	162	170	GRAY BASALT		X
	170	176	BROWN ASH		X
	176	203	FRACTURED GRAY BASALT		X
	203	226	CINDERS - LOST CIRC.		X
	226	262	FRACTURED BASALT	X	

RECEIVED
JUL 12 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 262 (Measurable)
Date: Started 7-5-06 Completed 7-5-06

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name EASTERN DRILLING Firm No. 669
Principal Driller CRAIG GLENN Date 7-6-06
and
Driller or Operator II Date
Operator I ARON PUTTICK Date 7-6-06
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

App 878878 ID 377246

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D
DRILLING PERMIT NO. 806412
Water Right or Injection Well No. App 878878; ID 377246

2. OWNER:
Name Herbert W. & Barbara Jean Paul
Address 1248 East 900 South
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 31, ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site ____
(Give at least name of road + Distance to Road or Landmark) City ____
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
288 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			TEMPORARY ABANDONMENT		
6"			Well was under a garage		
			with 4" rise on casing.		
			All water lines as well as		
			power have been disconnected.		
			There is no pitless in the		
			well. A steel plate has		
			been welded to the top of		
			the casing.		
			Plate welded on by Mark Allen		

RECEIVED
SEP 26 2003
Department of Water Resources
Southern Region

Completed Depth ____ (Measurable)
Date: Started 9-23-03 Completed 9-23-03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 9-24-03
and
Driller or Operator II CRAIG EGAN Date 9-24-03
Operator I ____ Date 9-24-03

Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

BASIN 36 Ap877032 Per 802735 IP373 37

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

CA

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023722
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Herbert W & Barbara Jean Paul
Address 1248 East 900 South
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 31 ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
1248 East 900 South City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	20	2 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	20	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
288 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
____ Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	4	Topsoil		x
	4	18	Gray basalt		x
	18	20	Broken basalt, lost circulation		x
6"	20	24	Broken basalt, lost circulation		x
	24	117	Fractured basalt		x
	117	367	Fractured basalt & cinder beds	x	

RECEIVED
JUN 09 2003
Department of Water Resources
Southern Region

Completed Depth 367 ft. (Measurable)
Date: Started 5-30-03 Completed 5-31-03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 6-5-03
and
Driller or Operator II Craig Egan Date 6-5-03
Operator I Lloyd Hayden Date 6-5-03
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 - 95 - S - 105 - 000
Other IDWR No.

2. OWNER:
Name: Brenda Herman
Address: 296 South 1400 East
City: Jerome State: ID Zip: 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 31, NW 1/4 SE 1/4 1/4
(10 acres, 40 acres, 160 acres)
Gov't Lot ____ County Jerome

Address of Well Site: 276 South 1250 East City: Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	4 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? Y☐ N☒ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
235 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

11. WELL TESTS: 49435
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	3	Topsoil		x
6"	3	68	Grey basalt		x
	68	83	Fractured basalt, lost circulation		
	83	98	Basalt		x
	98	106	Fractured basalt		x
	106	160	Basalt, hard		x
	160	163	Brown cinders		x
	163	215	Basalt, fractured		x
	215	238	Basalt		x
	238	251	Fractured basalt	x	
	251	267	Basalt		x
	267	270	Broken basalt	x	
	270	291	Basalt	x	
	291	295	Broken basalt	x	
	295	300	Cinders	x	
	300	305	Fractured basalt	x	

JUL 5 1995
Department of Water Resources
RECEIVED
JUL 20 1995
Department of Water Resources
Southern Region

Completed Depth 305 ft. (Measurable)
Date: Started 6-16-95 Completed 6-16-95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 6-20-95
and
Supervisor or Operator Craig Egan Date 6-20-95
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED JUN 6 1980 Department of Water Resources Southern District Office

1. WELL OWNER

Name Bill Hill

Address Rt 3 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches +	2 feet	190 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

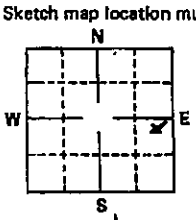
Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☑ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☑ No ☐ Size of gravel _____
Placed from [redacted] feet to [redacted] feet
Surface seal depth 190 Material used in seal: ☐ Cement grout ☑ Puddling clay ☑ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port well seal has port

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

NE ¼ SE ¼ Sec. 7, T. 9 ~~N~~/S, R. 18 E/~~W~~

7. WATER LEVEL

Static water level 141 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
15	141	1/2

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	1	Top soil		X
	1	8	Grey scoria		
	8	55	Grey brown basalt		
	55	68	Grey basalt		
	68	72	Red cinders		
	72	84	Grey basalt		
	84	90	Red cinders		
	90	105	Grey scoria		
	105	120	Grey basalt		
	120	127	Grey scoria		
	127	152	Grey basalt		
	152	160	Sand & clay	X	
	160	168	Brown clay & sand	X	
	168	176	Grey basalt	X	
	176	192	Scoria	X	
	192	216	Basalt	X	
	216	220	Sand & gravel	X	

052321

RECEIVED JUN 11 1980 Department of Water Resources

10. Work started 1 Feb 1980 finished 15 Feb 1980

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86

Address Murtaugh, Idaho Date 1 June 1980

Signed by (Firm Official) B. Gene Boley Jr.

and

(Operator) Guy Weech

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

REPORT OF WELL DRILLER
State of Idaho

NOV 6 1967

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Bill Hill
Address Jerome, Idaho

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: Domestic
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☑
6 5/8 "Diam. from +1 ft. to 151 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: .188 Material:
Steel ☑ concrete ☐ wood ☐ other ☐

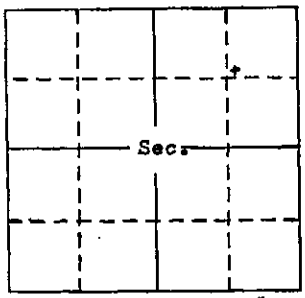
(explain)
PERFORATED? Yes ☐ No ☑ Type of perforator used:

Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☑
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☑ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☑ No ☑ To what depth? ft. Material used in seal:
Cuttings used to back fill to 12'
Did any strata contain unusable water? Yes ☐
No ☑ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☑ No. ☐
Cemented in place? Yes ☐ No ☑

Locate well in section



LOCATION OF WELL: County Jerome
SW ¼ NE ¼ Sec. 17 T. 9 N/S R. 18 E/W

Use other side for additional remarks

Size of drilled hole: 0-150'8" 150'-186'6" Total depth of well: Standing water level below ground: 95' Temp. Fahr. ° Test delivery: No test gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:

Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☑

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	2	Top Soil	NO
2	9	Cemented gravel	NO
9	34	Grey lava	NO
34	55	Redish brown lava	NO
55	73	Grey lava	NO
73	80	Grey clay	NO
80	103	Brown clay	NO
103	112	Brown Lava	Yes
112	135	Grey lava	Yes
135	144	Brown clay	NO
144	185	Black lava	Yes

Work started: 25 Oct 1967
Work finished: 31 Oct 1967
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: Baley, Henry, Weech
Address: Murtaugh, Idaho
Signed by: Blaine Baley
License No. 86 Date: 7 Nov 1967

USGS

36

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

0258427 1:53
Department of Reclamation

g No. .....
Rec. ..... 19.....
Well No. .....
Permit No. .....
DO NOT FILL IN

Owner Mrs. Josephine Hooten Driller Harry Bolton

Address Eden, Idaho Address Twin Falls Lic. No. 6

Location of Well: N ½ SW ¼ Sec. 32, T. 9 N/S, R. 17 E/W Jerome County.

and 50 feet N/S, and 100 feet E/W from SE corner of NE ¼ SW ¼ Sec. 32

Water will be used for Domestic Total depth of well 331 ft.

Size of drilled hole 6 in. Weight of casing per linear foot .....

Thickness of casing ..... Casing Material ..... (e.g., pipe, concrete, wood.)

Diameter, length and location of casing None (Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations ..... located ..... feet to ..... feet from surface of ground.

Other Perforations: .....

If flowing well, give flow in c.f.s. ..... or g.p.m. ..... and shut in pressure .....

If nonflowing well, give depth of standing water from surface 285 ft.

If flowing well, describe control works ..... (Type and size of valve, etc.)

On pumping test delivery was ..... g.p.m. or ..... c.f.s. Drawdown was ..... feet

Length of time pumped during check was ..... hr. ..... min. Water temp. ..... °Fahrenheit.

Date of commencement of well Aug. 31, 1953 Date of Completion of well Sept. 21, 1953

Type of well rig Cleveland (Keystone)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	"Remarks" — Seals, Grouting, Etc.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

N ½ SW S.32 9S 19E

12

WELL LOG

025825

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	10	well pit			No	
10	31	basalt - black				
31	33	cuttings not recovered				
33	34	gravel				
34	41	basalt - red, & black				
41	54	" "				
54	73	cuttings not recovered				
73	85	basalt, gray				
85	104	cuttings not recovered				
104	117	basalt, red				
117	171	" , gray				
171	192	" , red				
192	209	" , gray				
209	224	cuttings not recovered				
224	238	basalt, gray				
238	255	" gray				
255	262	" gray				
267	285	cuttings not recovered				
	285				Yes	
285	331	Cuttings not recovered			Yes	
		If more space is required use Sheet No. 2	119 hrs total			

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed Harry Bolton

By Mrs. Harry Bolton

License No. 6

Dated ....., 19.....

Subscribed and sworn before me this .....day of .....19.....

AUTHORIZATION NOT NECESSARY UNDER NEW LAW.

Notary Public

Residing at

My Commission expires .....

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED
FEB 11 1976
Department of Water Resources
Southern District Office

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Mac Human

Address Route 4 Jerome Idaho 83338

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning).

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 24 & 20 inches Total depth 250 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.281 inches	20 inches	1 feet	185 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation 1/4 & 1/2 inches by 1/4 & 1/2 inches

Number		From		To	
75	perforations	195	feet	185	feet
	perforations		feet		feet
	perforations		feet		feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel

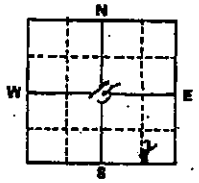
Placed from feet to feet

Surface seal? ☒ Yes ☐ No To what depth 18 feet

Material used in seal ☒ Cement grout ☒ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Jerome

SE ¼ SE ¼ Sec. 15, T. 8 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 17 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature 70° F. Quality Good

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
	NONE	

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	6	Surface		
	6	120	Grey Broken lava		
	120	125	Hard Grey lava		
	125	180	Brown Cooked lava		
	180	190	Cinders & Boulders Black/Grey	x	
	190	195	Black Porous lava		
	195	205	Cinders No Cutting		
	205	215	Black Porous lava Few Cuttings		
	215	225	Porous Black lava		
	225	245	Cinders No Cuttings		
	245	250	Black Porous lava Few Cuttings	x	

100848

10. Work started 4/5/75 finished 5/9/75

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

George Gaile / Well Drilling
Driller's or Firm's Name

P.O. Box 345 Kimberly
Address Number

George E. Gaile 5/9/75
Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO DEPARTMENT

C

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 068733

Use Typewriter or Ballpoint Pen

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36-96-S-0182-000
Other IDWR No. _____

2. OWNER:
Name ProTerra - Idaho Inc
Address 2401 S Apple #L204
City Boise State Id Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 9, 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site Frontier Rd
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. 11 Blk. 3 Sub. Name Sage Meadow

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☒ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	77	660 lbs	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	78	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
94 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 85 Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	78	Reamed existing Hole		
	78	145	Cleaned existing Hole		

RECEIVED
MAR 3 1 1997
Department of Water Resources

RECEIVED
MAR 2 6 1997
Department of Water Resources
Southern Region

Completed Depth 145 (Measurable)
Date: Started 1-14-96 Completed 1-14-97

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official _____ Date 1-23-97
and
Supervisor or Operator Dave Craig Date 1-22-96(97)
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
9/95

M.y

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

057776

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36-96-S 0182-000
Other IDWR No. _____

2. OWNER:
Name Proterra - Idaho Inc
Address 2401 S Apple # L204
City Boise State Id Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 17 East ☒ or West ☐
Sec. 9, ____ 1/4 SW 1/4 SW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site Frontier Rd
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. 11 Blk. 3 Sub. Name Sage Meadow

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	200 lbs	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	19	.25	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
98 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ~85° Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	6	Top Soil		
	6	16	Gray Lava		
	16	17	Broken + br Clay		
	17	19	BI LAVA		
6	19	28	" "		
	28	30	Red Ash		
	30	41	BI LAVA		
	41	44	Broken		
	44	60	BI Lava		
	60	64	Broken + Red Ash		
	64	77	BC Clay		
	77	88	BI LAVA		
	88	91	Med Hard + breaks		
	91	104	BI Lava		
	104	109	Med Hard bl LAVA		
	109	120	BI LAVA		
	120	124	Broken + Cinders	X	
	124	132	Med Hard bl LAVA		
	132	141	Soft broken Cinders + Talc	X	
	141	145	BI Cinders	X	

RECEIVED
DEC 05 1996
Department of Water Resources

RECEIVED
NOV 22 1996
Department of Water Resources
MICROFILMED
FEB 05 1997

Completed Depth 145 (Measurable)
Date: Started 10-30-96 Completed 10-30-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official _____ Date 11-14-96
and
Supervisor or Operator Dave Cook Date 10-10-96
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Bore 36

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

App 862120
Rec 764883

Office Use Only
Inspected by
Twp Rge Sec
1/4 1/4 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0000956
DRILLING PERMIT NO.
Other IDWR No. 764880

2. OWNER:
Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 26 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot County. Jerome
Lat: Long:
Address of Well Site 800 E. 200 N.
(Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. Blk. Sub. Name

4. USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200lbs.	dry pour
bentonite 3/8 pigs			85 bags	dry pour
pea gravel			3/4 yrd.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	205		PVC	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe

9. PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
205	245			4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
212 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15-20			

Water Temp. <85 Bottom hole temp:
Water Quality test or comments:
Depth first Water Encounter

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	13	top soil		
10	13	14	black cinders		
10	14	17	black lava		
10	17	19	broken, lava		
8	19	31	medium hard lava & breaks		
8	31	61	hard black lava		
8	61	64	broken, lava		
8	64	105	black lava		
8	105	125	black lava		
8	125	164	black lava		
8	164	169	gravel		
8	169	172	red ash & clay		
8	172	196	black lava		
8	196	201	broken, lava & cinders		
8	201	224	black lava		
8	224	225	broken		
8	225	233	medium hard lava		
8	233	236	broken & cinders	X	
8	236	245	black lava		

RECEIVED
OCT 5 - 2000
Department of Water Resources

RECEIVED
OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 245' (Measurable)
Date: Started 8/23/2000 Completed 8/24/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Date 8/28/00
and
Driller or Operator Date 8/28/00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

BCL 36

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

App 862120
Per 764883

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D000095
DRILLING PERMIT NO.
Other IDWR No. 764880

2. OWNER:
Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 26 ____ 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County. Jerome
Lat: Long:
Address of Well Site 800 E. 200 N.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite granular	0	19	200lbs.	dry pour
bentonite 3/8 plug			85 bags	dry pour
pea gravel			3/4 yrd.	dry pour

Was drive shoe used? ☐Y ☒N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☒N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	205		PVC	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe

9. PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
205	245			4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
212 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15-20			

Water Temp. <85 Bottom hole temp:
Water Quality test or comments:
Depth first Water Encounter

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	13	top soil		
10	13	14	black cinders		
10	14	17	black lava		
10	17	19	broken, lava		
8	19	31	medium hard lava & breaks		
8	31	61	hard black lava		
8	61	64	broken, lava		
8	64	105	black lava		
8	105	125	black lava		
8	125	164	black lava		
8	164	169	gravel		
8	169	172	red ash & clay		
8	172	196	black lava		
8	196	201	broken, lava & cinders		
8	201	224	black lava		
8	224	225	broken		
8	225	233	medium hard lava		
8	233	236	broken & cinders	X	
8	236	245	black lava		

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Department of Water Resources

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OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 245' (Measurable)
Date: Started 8/23/2000 Completed 8/24/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Date 8/28/00
and
Driller or Operator. Date 8/28/00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36
App 342139
Per 765902

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0000972

DRILLING PERMIT NO. _____

Other IDWR No. 765902 MW2

2. OWNER:

Name Idaho Dept. of Water Resources

Address 1301 N. Orchard

City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒

Rge. 18 East ☒ or West ☐

Sec. 22 ____ 1/4 (10 acres) NE 1/4 (40 acres) SW 1/4 (160 acres)

Gov't Lot ____ County Jerome

Lat: Long:

Address of Well Site _____

_____ City Jerome

(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. USE:

☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200 lbs.	dry pour
bentonite 3/8"	1	274	88 bags	dry pour
Pea gravel	274	325	1 yrd.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	284		PVC	☒	☐	☐	☒
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____

☒ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
284	324	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

274 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
10-15			

Water Temp. <85 Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks; Lithology, Water Quality & Temperature	Water Y	Water N
10	0	4	top soil		
10	4	19	black lava		
8	19	40	black lava		
8	40	99	black lava		
8	99	104	red & black cinders		
8	104	147	black lava		
8	147	150	broken, red & black lava		
8	150	169	black lava		
8	169		broken, black lava & red		
		171	ash		
8	171	176	red ash		
8	176		medium hard lava & brown		
		182	clay		
8	182	188	medium hard black lava		
8	188	209	black lava		
8	209	231	medium hard black lava		
8	231	238	black cinders		
8	238	249	black lava		
8	249	252	red & black cinders		
8	252		medium hard ryolite &		
		301	breaks		
8	301		medium hard red/black lava		
		308	& breaks	X	
8	308	325	hard gray ryolite		

RECEIVED
OCT 5 - 2000
Department of Water Resources

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OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 325' (Measurable)

Date: Started 6/25/2000 Completed 8/27/2000

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26

Firm Official [signature] Date 8/27/2000

and

Driller or Operator [signature] Date 8/27/2000

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 64051
Permit 76812
Basin 36

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 002003 16
DRILLING PERMIT NO. _____
Other IDWR No. 764902

2. OWNER:
Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 22 ____ 1/4 (10 acres) NW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 800 E. 200 S. City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200 lbs.	dry pour
bentonite 3/8" dia			55 bags	dry pour
pea gravel			1 yrd	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	130		PVC	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☒ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
130	170	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
140 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	1	top soil		
10	1	19	black lava		
8	19	29	black lava		
8	29	32	soft, broken & black lava		
8	32	64	black lava		
8	64		soft, broken, red ash &		
		66	cinders		
8	66	92	black lava		
8	92	97	soft, broken & lava		
8	97	109	medium hard lava & breaks		
8	109	117	black lava		
8	117		soft, broken, lava &		
		124	cinders		
8	124	143	black lava		
8	143	144	broken		
8	144	146	broken & brown silt		
8	146	147	bred/black cinders & silt	X	
8	147	156	medium hard lava		
8	156	167	black lava		
8	167	170	red & black cinders	X	
	170				

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Department of Water Resource
Southern Region
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OCT 5 - 2000
Department of Water Resources

Completed Depth 170' (Measurable)
Date: Started 8/21/2000 Completed 8/22/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc Firm No. 26
Firm Official _____ Date 8/28/00
and
Driller or Operator. _____ Date 8/28/00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

Basin 36
App 562139
Fac 765902

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0000972

DRILLING PERMIT NO. _____
Other IDWR No. 765902 MW2

2. OWNER:

Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 22 ____ 1/4 (10 acres) NE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site _____
_____ City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200 lbs.	dry pour
bentonite 3/8"	1	274	88 bags	dry pour
Pea gravel	274	325	1 yrd.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	284		PVC	☒	☐	☐	☒
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☒ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
284	324	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

274 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
10-15			

Water Temp. <85 Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	4	top soil		
10	4	19	black lava		
8	19	40	black lava		
8	40	99	black lava		
8	99	104	red & black cinders		
8	104	147	black lava		
8	147	150	broken, red & black lava		
8	150	169	black lava		
8	169		broken, black lava & red		
		171	ash		
8	171	176	red ash		
8	176		medium hard lava & brown		
		182	clay		
8	182	188	medium hard black lava		
8	188	209	black lava		
8	209	231	medium hard black lava		
8	231	238	black cinders		
8	238	249	black lava		
8	249	252	red & black cinders		
8	252		medium hard ryolite &		
		301	breaks		
8	301		medium hard red/black lava		
		308	& breaks	X	
8	308	325	hard gray ryolite		

RECEIVED
OCT 5 - 2000
Department of Water Resources

RECEIVED
OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 325' (Measurable)
Date: Started 6/25/2000 Completed 8/27/2000

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 8/27/2000
and
Driller or Operator [signature] Date 8/27/2000
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App #64051
Permit 76812
Basin 36

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0020036
DRILLING PERMIT NO. _____
Other IDWR No. 764902

2. OWNER:
Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 22 ____ 1/4 (10 acres) NW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 800 E. 200 S. City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200lbs.	dry pour
bentonite 3/8" plug			55 bags	dry pour
pea gravel			1 yrd	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	130		PVC	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☒ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
130	170	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
140 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks; Lithology, Water Quality & Temperature	Water Y	Water N
10	0	1	top soil.		
10	1	19	black lava		
8	19	29	black lava		
8	29	32	soft, broken & black lava		
8	32	64	black lava		
8	64		soft, broken, red ash &		
		66	cinders		
8	66	92	black lava		
8	92	97	soft, broken & lava		
8	97	109	medium hard lava & breaks		
8	109	117	black lava		
8	117		soft, broken, lava &		
		124	cinders		
8	124	143	black lava		
8	143	144	broken		
8	144	146	broken & brown silt		
8	146	147	bred/black cinders & silt	X	
8	147	156	medium hard lava		
8	156	167	black lava		
8	167	170	red & black cinders	X	
	170				

RECEIVED
OCT - 3 2000
Department of Water Resource
Southern Region

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OCT 5 - 2000
Department of Water Resources

Completed Depth 170' (Measurable)
Date: Started 8/21/2000 Completed 8/22/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No: 26
Firm Official _____ Date 8/28/00
and
Driller or Operator _____ Date 8/28/00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36
App 362117
Tr 764880

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0000955

DRILLING PERMIT NO. _____
Other IDWR No. 764880 MW1

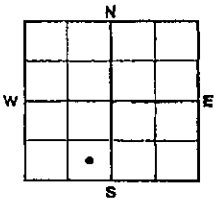
2. OWNER:

Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N / W / E / S



Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 26 ____ 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site _____
_____ City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200lbs.	dry pour
bentonite 3/8 Plug	0	262	99 bags	dry pour
pea gravel	262	310	1.5 yrds.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	270		PVC	☒	☐	☐	☒
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☒ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
270	310	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

270 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
no returns			

Water Temp. <85 Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	2	top soil		
10	2	3	black lava		
10	3	4	brown clay		
10	4	19	gray lava		
8	19	114	gray lava		
8	114		broken , black lava & red		
		119	ash		
8	119		medium hard lava &		
		124	red/black cinders		
8	124	179	black lava		
8	179	188	medium hard lava & red ash		
8	188	191	red & black cinders		
8	191	195	soft & broken (no returns)		
8	195	253	hard lava		
8	253	256	cinders		
8	256	272	medium hard lava		
8	272	276	cinders		
8	276	281	hard lava		
8	281	284	hard & broken lava	X	
8	284	301	hard lava & breaks		
8	301	304	soft & broken lava	X	
8	304	311	hard lava		
8	311	312	broken lava		

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OCT 5 - 2000
Department of Water Resources

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OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 310' (Measurable)
Date: Started 6/28/2000 Completed 8/27/2000

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 8/27/2000
and
Driller or Operator [signature] Date 8/27/2000
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36
App 86217
[illegible]

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by ____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0000955
DRILLING PERMIT NO. ____
Other IDWR No. 764880 MW1

2. OWNER:
Name Idaho Dept. of Water Resources
Address 1301 N. Orchard
City Boise State ID Zip 83706

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 26 ____ 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site ____
____ City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☒ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite granular	0	19	200lbs.	dry pour
bentonite 3/8 Aug	0	262	99 bags	dry pour
Pea gravel	262	310	1.5 yrds.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
8"	+1	19	.25	steel	☒	☐	☐	☐
4"	0	270		PVC	☒	☐	☐	☒
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☒ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
270	310	.102		4"	PVC	☒	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
270 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
no returns			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
____ Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
10	0	2	top soil		
10	2	3	black lava		
10	3	4	brown clay		
10	4	19	gray lava		
8	19	114	gray lava		
8	114		broken , black lava & red		
		119	ash		
8	119		medium hard lava &		
		124	red/black cinders		
8	124	179	black lava		
8	179	188	medium hard lava & red ash		
8	188	191	red & black cinders		
8	191	195	soft & broken (no returns)		
8	195	253	hard lava		
8	253	256	cinders		
8	256	272	medium hard lava		
8	272	276	cinders		
8	276	281	hard lava		
8	281	284	hard & broken lava	X	
8	284	301	hard lava & breaks		
8	301	304	soft & broken lava	X	
8	304	311	hard lava		
8	311	312	broken lava		

RECEIVED
OCT 5 - 2000
Department of Water Resources

RECEIVED
OCT - 3 2000
Department of Water Resources
Southern Region

Completed Depth 310' (Measurable)
Date: Started 6/28/2000 Completed 8/27/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 8/27/2000
and
Driller or Operator [signature] Date 8/27/2000
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 88363

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0034208
DRILLING PERMIT NO. 81950 0
Water Right or Injection Well No.

2. OWNER:
Name Intermountain Beef
Address 1440 E 750 S
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☐
Rge. 19 East ☑ or West ☐
Sec. 28, SE 1/4 (10 acres) SE 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1440 E 750 S
(Give at least name of road + Distance to Road or Landmark) City Eden
Lt. ____ Blk. ____ Sub. Name

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other CA

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method

Was drive shoe used? ☐Y ☐N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
262 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	270	275	Hard basalt		✓
	275	295	Cinders (Lost 98% cuttings)	✓	
	295	302	Hard basalt		✓
	302	312	Cinders (Lost 98% cuttings)	✓	
	312	316	Hard basalt		✓

RECEIVED
FEB 18 2005
Department of Water Resources
Southern Region

Completed Depth 316' (Measurable)
Date: Started ~~Helper~~ 7/7/04 Completed 7/13/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling Co. Firm No. 531
Principal Driller ____ Date ____
and
Driller or Operator II ____ Date 2/18/05
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/84

RECEIVED
JAN 25 1994
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Statute requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
MAR 16 1993
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name J&E Farms (Thomason)

Address 960 St. Hwy 25 Jerome, ID 83338

Owner's Permit No. 36-93-S-0030-000

2. NATURE OF WORK

☐ New well ☐ Deepened ☒ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 O inches +	1½ feet	- 66 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

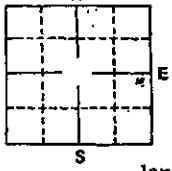
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome County
SE¼ NW¼ Sec. 32 , T. 8S N ☐ S ☐ R. 18E E ☐ W ☐

7. WATER LEVEL

Static water level 236 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

102515

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	8	top soil		Y
	8	14	gray basalt		
	14	15	red basalt		
	15	17	brown clay		
	17	29	gray basalt		
	29	37	gray & brown basalt sm breaks		
	37	44	gray basalt		
	44	46	brown & gray basalt		
	46	49	brown basalt brwon clay lg breaks		
	49	54	gray basalt lg breaks		
	54	61	MH gray basalt lg break brown clay		
8/6	61	103	gray basalt		
6"	103	106	pink & gray porous		
	106	108	crevice		
	108	109	gray basalt		
	109	123	pink basalt porous		
	123	128	gray basalt		
	128	132	pink basalt		
	132	143	gray basalt		
	143	144	crevice		
	144	162	med hard lg breaks & soft spot		
	162	169	med hrd sm breaks pink basalt		
	169	172	med hrd lg breaks		
	172	181	med hard sm break pink basalt		
	181	187	med hard gray basalt		
	187	193	med hard pink basalt		
	193	211	med hard gray basalt		
	211	213	lg breaks pink basalt		
	213	217	gray basalt		
	217	222	pink basalt		
	222	223	lg break		
	223	224	med hard		
	224	247	red porous lg break red clay		
	247	252	gray basalt		
	252	259	med hard gray basalt sm break		
	259	262	gray basalt lg break porous	X	
	262	269	lg breaks trace red clay		
	269	274	gray basalt sm breaks brown clay		
	274	284	gray basalt porous sm breaks		
	284	289	gray basalt		
	289	297	gray basalt lg breaks		
	297	304	gray basalt sm breaks		
			broken		

10.

Work started 2-16-93 finished 2-23-93

DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Smith Drilling & Pump Firm No. Inc 11

Address Jerome, ID 83338 Date 3-9-93

Signed by (Firm Official) [signature]

and

(Operator) Melton H Robins

JUL 19 1994

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name J & L Land & Cattle Co. (Hy Levy)

Address Jerome Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 288 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+1 feet	20 feet
.250 inches	4 inches	10 feet	232 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

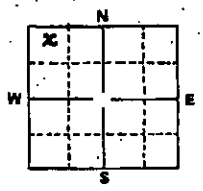
Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 20 feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Jerome

NW ¼ NW ¼ Sec. 34 T. 8 S N/S, R. 18 E E/W

7. WATER LEVEL

Static water level 251 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
20+	nil	1

36874

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	4	Top soil		X
8	4	10	broken grey basalt		X
8	10	20	grey basalt		X
6	20	30	grey basalt		X
6	30	32	red scoria		X
6	32	68	grey basalt		X
6	68	77	brown basalt		X
6	77	86	grey basalt		X
6	86	132	red scoria		X
6	132	139	grey basalt		X
6	139	163	red scoria & some cinders		X
6	163	170	broken grey basalt		X
6	170	185	brown basalt		X
6	185	210	red sandy clay		X
6	210	232	grey basalt		X
4	232	240	brown basalt		X
4	240	245	red scoria lost cuttings		X
4	245	288	grey basalt with seams of water	X	

10. Work started May 26, 1972 finished June 10, 1972

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Claude Nicholson Well Drilling 159
Driller's or Firm's Name Number

Rt. 1 Dietrich Idaho 83324
Address

Kenneth R. Smith June 25, 1972
Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

Department of Water Administration

1. WELL OWNER

Name J&L Land & Cattle Co. (Robert Johnson)

Address Jerome Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 272 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+1 feet	20 feet
.250 inches	4 inches	12 feet	272 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☒ Torch

Size of perforation 2 inches by 3/16 inches

Number	From	To
95 perforations	157 feet	272 feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

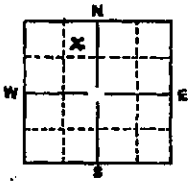
Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 20 feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Jerome

NE ¼ NW ¼ Sec. 34 T. 8 S N/S, R. 18 E E/W

7. WATER LEVEL

Static water level 46 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
20 +	nil	1

9. LITHOLOGIC LOG

36875

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	4	Clay type top soil		x
6	4	20	grey basalt		x
6	20	53	gray basalt		x
6	53	65	red scoria		x
6	65	74	gray basalt		x
6	74	83	red scoria		x
6	83	128	gray basalt		x
6	128	132	red scoria		x
6	132	177	gray basalt		x
6	177	179	red cinders		x
6	179	190	yellow clay		x
6	190	220	gray basalt		x
6	220	225	brown basalt		x
6	225	240	red scoria last cuttings		x
6	240	243	gray basalt		x
6	243	246	red scoria last cuttings		x
6	246	272	gray basalt w seams of water	x	

10.

Work started June 1, 1972 finished June 13, 1972

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Claude Nicholson Well Drilling 159

Driller's or Firm's Name Number

Rt. 1 Dietrich Idaho 83324

Address

Kenneth P. Smith June 25, 1972

Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

X
Form 238-7
1/78

3/4 MI WEST OF JEROME

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED
DEC 18 1984
Department of Water Resources
Southern District Office

5

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bill Jackson

Address Jerome, IDA

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches +	1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

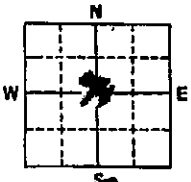
Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N
W E
S



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SE ¼ NW ¼ Sec. 14, T. 8 N/S, R. 16 E/W

7. WATER LEVEL

Static water level 190 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	4	TOP SOIL		✓
6"	4	28	GREY LAVA		✓
6"	28	35	RED LAVA		✓
6"	35	230	NO RETURNS	✓	

230' TOTAL DEPTH

052937

MICROFILMED

10. Work started Aug 24, 84 finished Aug 25, 84

11. DRILLERS CERTIFICATION OE

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C.B. EATON Firm No. 26

Address Rt 1, WINDELL Date 11/1/84

Signed by (Firm Official) James Eaton

and

(Operator) Jerry [illegible]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
APR 2 1976
Department of Water Resources

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name ~~[illegible]~~ Jerome Country Club

Address Twin Falls, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE Deeping Well

☐ Domestic ☒ Irrigation ☒ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 290 feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
— inches	— inches	+ — feet	— feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☐ No

Was packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

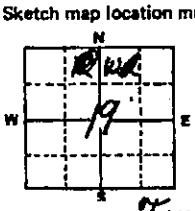
Placed from _____ feet to _____ feet

Surface seal depth — Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 36



Subdivision Name _____

Lot No. _____ Block No. _____

County ~~Twin Falls~~ Jerome

NW ¼ NE ¼ Sec. 19, T. 9 N/S, R. 17 E/W

7. WATER LEVEL

Static water level 87 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 40757

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	125	Drilled	X	
	125	147	Very Hard Grey Lava		
	147	172	Med Grey Lava		
	172	181	Hard Grey Lava		
	181	193	soft spot water talc		
	193	221	Med Grey Lava		
	221	257	Hard Grey Lava		
	257	280	Med Grey Lava		
	280	291	soft spot water		
	281	295	Hard Grey Lava		

10. Work started Nov 10, 75 finished Nov 11/75

11. DRILLERS CERTIFICATION CM

Firm Name Elsing Well Drilling Firm No. 31

Address P.O. Box 919 Twin Falls Date 11/20/75

Signed by (Firm Official) Arnold Elsing

and

(Operator) M F Kloos

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
11/97

C

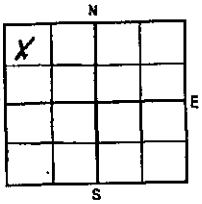
IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 67546

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0002673
DRILLING PERMIT NO. 36-98-S-0853-000
Other IDWR No. _____

2. OWNER:
Name John Wells
Address 500 South 59 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 27, ____ 1/4 NW 1/4 NW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
875 East 2500 South (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	+2	18	3 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
252 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	2	Topsoil		X
	2	18	Gray basalt		X
6"	18	74	Gray basalt		X
	74	83	Cinders		X
	83	90	Brown basalt		X
	90	136	Gray basalt		X
	136	142	Red ash		X
	142	146	Brown ash & Cinders		X
	146	153	Gray basalt		X
	153	175	Fractured basalt, lost circulation		
	175	199	Cinders		X
	199	225	Fractured basalt		X
	225	254	Basalt		X
	254	350	Fractured basalt	X	

RECEIVED
OCT 0 1 1998
Department of Water Resources
RECEIVED
SEP 04 1998
Department of Water Resources
Southern Region
RECEIVED MICROFILMED
OCT 0 1 1998 NOV 04 1998
Department of Water Resources

Completed Depth 350 ft. (Measurable)
Date: Started 9-2-98 Completed 9-2-98

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 9-3-98
and
Driller or Operator Craig Egan Date 9-3-98
(Signature of Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 861599
Per 76362
Basin 36

Form 238-7, 1-1/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008789
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Johnny Urrutia
Address 226 S. 600 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 32 ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 300 S. 716 E.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT: Sacks or Pounds	METHOD
bentonite	0	19	200lbs.	dry pour

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	19	.25	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
224 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
no returns			

Water Temp: <85 Bottom hole temp: ____
Water Quality test or comments: ____
Depth first Water Encountered ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	top soil		
8	3	19	black lava		
6	19	50	black lava		
6	50	56	cinders		
6	56	66	black lava		
6	66	68	red & black cinders		
6	68	83	black lava		
6	83	89	red ash		
6	89	96	medium hard & brown clay		
6	96	101	black lava		
6	101	103	black cinders		
6	103	166	black lava		
6	166	168	crevice		
6	168	169	broken		
6	169	198	hard lava		
6	198	203	soft & broken		
6	203	224	medium hard & breaks		
6	224	226	broken		
6	226	235	hard lava		
6	235	237	broken		
6	237	288	hard lava		
6	288	294	cinders	X	
6	294	306	medium hard & breaks	X	
6	306	325	hard lava		

RECEIVED
JUN - 8 2000
Department of Water Resources
Southern Region

Completed Depth 307' (Measurable)
Date: Started 5/9/2000 Completed 5/10/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official _____ Date 5/12/2000
and
Driller or Operator _____ Date 5/10/2000
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 861597
Per 74362
Basin 36

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008789
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Johnny Urrutia
Address 228 S. 600 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 32 ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot. ____ County Jerome
Lat: Long:
Address of Well Site 300 S. 716 E.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	19	200lbs.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	19	.25	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
224 ft. below ground Artesian pressure ____ lb:
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min:	Drawdown	Pumping Level	Time
no returns			

Water Temp: ≤85 Bottom hole temp: ____
Water Quality test or comments: ____
Depth first Water Encountered ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	top soil		
8	3	19	black lava		
6	19	50	black lava		
6	50	56	cinders		
6	56	66	black lava		
6	66	68	red & black cinders		
6	68	83	black lava		
6	83	89	red ash		
6	89	96	medium hard & brown clay		
6	96	101	black lava		
6	101	103	black cinders		
6	103	166	black lava		
6	166	168	crevice		
6	168	169	broken		
6	169	198	hard lava		
6	198	203	soft & broken		
6	203	224	medium hard & breaks		
6	224	226	broken		
6	226	235	hard lava		
6	235	237	broken		
6	237	288	hard lava		
6	288	294	cinders	X	
6	294	306	medium hard & breaks	X	
6	306	325	hard lava		

RECEIVED
JUN - 8 2000
Department of Water Resources
Southern Region

Completed Depth 307' (Measurable)
Date: Started 5/9/2000 Completed 5/10/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official _____ Date 5/12/2000
and
Driller or Operator _____ Date 5/10/2000
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

RECEIVED
JUN 2 6 1959
Log No. ...ment of Reclamation
Rec. _____, 19__
Well No. _____
Permit No. _____

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

027575

(DO NOT FILL IN)

Owner HENRY JONES Address EDEN, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SW ¼ NW ¼ Sec. 28, T. 9 ~~N~~/S, R 19 E/~~W~~ JEROME County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole 6½" Total depth of Well 271

Give depth of standing water from surfaace 225 Water Temp. _____ °Farenheit

On pumping test delivery was 15 g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was 1 hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot 12.9

Thickness of casing .188 Casing material STEEL PIPE E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6 5/8", 8' 7", FROM 0 TO 8' 7" (CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER: CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well 10-25-59 Date of completion of well 11-4-59

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6 5/8"	0	8' 7"	8' 7"	COUPLING ON BOTTOM - 6" - USED AS DRIVE SHOE

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SWNW 528 9S 19E

[illegible]

116

027576

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	8	TOP SOIL				
8	10	LOOSE LAVA				
10	22	LAVA GRAY				
22	28	LOOSE LAVA & CREVICES				
28	41	LAVA GRAY				
41	49	CREVICES & LOOSE LAVA				
49	61	LAVA PINKISH-GRAY				
61	66	CREVICES - LOOSE LAVA				
66	72	LAVA PINK				
72	76	CREVICES - LOOSE LAVA				
76	86	LAVA GRAY				
86	104	LOOSE LAVA & CREVICES				
104	112	LAVA PINKISH-BLACK				
112	131	LOOSE LAVA & CREVICES FORMATION				
131	156	LAVA GRAY HARD				
156	166	LAVA POROUS PINK				
166	172	CREVICES & LOOSE ROCK				
172	187	LAVA PINK				
		If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated MARCH 24, 19 59

027577

SHEET NO. 2

Well Driller J. EMMETT SMITH, INC.

Well Location HENRY JONES PLACE EDEN, IDAHO

9S 19E 28 lcc

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
187	188	LOOSE LAVA & CREVICES				
188	219	LAVA PINKISH-GRAY				
219	224	LOOSE LAVA, CLAY & SAND				
224	231	LAVA GRAY				
231	271	LOOSE LAVA & CREVICES - WATER CAME IN AT	231'			
		USGS				
		SWNW S.28 9S19E				

116

RECEIVED
JUN 30 1966
Department of Reclamation

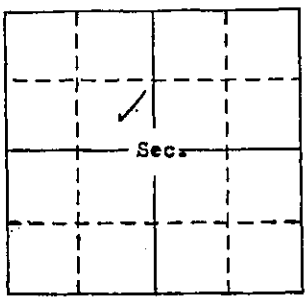
REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Henry Jones
Address Eden, Idaho

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Feed yards
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
12 "Diam. from 0 ft. to 29 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: ¼" Material:
Steel ☒ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☐ No ☒ Type of perforator used:
Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal:
Did any strata contain unusable water? Yes ☐
No ☒ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County Jerome, Idaho
SE ¼ NW ¼ Sec. 28 T. 9 N/S R. 19 E/W

Size of drilled hole: 12" Total depth of well: 305 ft. Standing water level below ground: 242 ft. Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☒
Size of pump and motor used to make test:
Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	23	Top soil & hard pan	
23	45	Grey lava	
45	50	Grey cinders	
50	65	Light brown lava firm	
65	75	Brown cinders	
75	125	Brown lava solid	
125	140	Black lava solid	
140	145	Grey cinders	
145	160	Grey lava	
160	185	Brown lava	
185	190	Grey cinders	
190	240	Brown lava	
240	248	Brown shale	
248	260	Brown lava & cinders Hit first water	
260	288	Black lava no cuttings water	
288	305	Brown lava bearing	

050366

Work started: 2/22/66
Work finished: 3/30/66
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: Chuck Jones
Address: Kimberly, Idaho
Signed by Chuck Jones
License No. 201 Date: 6/15/66
Chuck Gray Well Drilling

Use other side for additional remarks

Correction

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0036818
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Kari Jones
Address 1661 East Rd
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 19 East ☐ or West ☐
Sec. 23 NW 1/4 NE 1/4 NE 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1661 East Rd
City Jerome
(Give at least Name of road – Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
N/A				

Was drive shoe used? ☐Y ☐N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
	N/A				☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
	N/A					☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
200 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	210	220	Fractured basalt	✓	
	220	232	Firm basalt		✓
	232	247	Cinders	✓	
	247	251	Firm basalt		✓

RECEIVED
JUN 23 2005
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 251' (Measurable)
Date: Started 6/20/05 Completed 6/26/05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling Co Firm No. 531
Principal Driller ____ Date 9/16/05
and
Driller or Operator II ____ Date
Operator I ____ Date
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER

Name Paul Duchau
Address 8655 1100E Eden Id 83325
Drilling Permit No. 37-91-S-91-001
Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

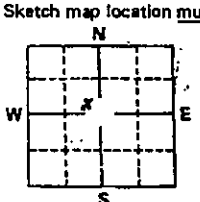
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ NW ¼ Sec. 35, T: 9 N ☐ S ☒ R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 158 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 023587

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5 7/8	168	203	Grey-brn basalt 90% cuttings		

RECEIVED
JUN 03 1991
Department of Water Resources
Twin Falls Office

MICROFILMED
APR 02 1992

10. Work started 6 June 91 finished 8 June 1991

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Id. Date 8 June
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Paul Juchau
Address 865S 1100E Eden Id 83325
Drilling Permit No. 37-91-S-91-001
Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

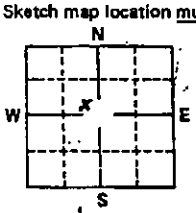
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ NW ¼ Sec. 35, T: 9 N ☐ S ☑ R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 158 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

023587

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5 1/4	163	203	Grey-brn basalt 90% cutting loss		

RECEIVED
JUL 03 1991
Department of Water Resources
Eastern Region Office

MICROFILMED
APR 02 1992

10. Work started 6 June 91 finished 8 June 1991

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Id. Date 8 June
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
OCT 5 1977
Department of Water Resources
Southern District Office

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Eugene Kenner

Address Rt 4 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

0-250 250-685' 8"

Diameter of hole 14" inches Total depth 685 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	14 inches +	1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

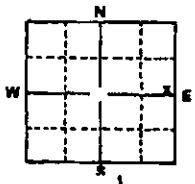
Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal ☐ Cement grout ☐ Puddling clay ☒ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 36



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SE ¼ NE ¼ Sec. 3, T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 206 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ °F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
135	40'	5

40753

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
14	0	6	Brown Sandy clay		X
	6	24	Grey basalt		
	24	28	Brown Scoria		
	28	72	Brown basalt		
	72	77	Brown Scoria		
	77	79	Brown basalt		
	79	89	Brown Scoria		
	89	110	Brown basalt		
	110	127	Brown Scoria		
	127	154	Brown basalt		
	154	159	Brown Cinders		
	159	184	Brown Sandy clay		
	184	206	Brown basalt		
	206	212	Grey basalt		
	212	216	Brown Scoria	X	
	216	229	Grey basalt		X
	229	249	Brown basalt		X
	249	254	Brown Sandy clay		X
8"	254	266	Grey-brown basalt		X
	266	297	Grey basalt		X
	297	338	Grey-brown basalt		
	338	368	Brown basalt		
	368	380	Grey basalt		
	380	404	Grey-brown basalt w/some thin layers of clay + talc		
	404	417	Grey basalt		
	417	439	Brown basalt		
	439	446	Cinders (clay filled)		
	446	469	Grey basalt		
	469	474	Grey cinders	X	
	474	489	Grey basalt	X	
	489	501	Grey-brown basalt		X
	501	505	Grey cinders		X
	505	510	Grey basalt		X
	510	514	Grey cinders		X
	514	539	Grey basalt		X
	539	582	Brown basalt		X

10. Work started 19 June finished 25 Aug 1977

11. DRILLERS CERTIFICATION

Firm Name Boley + Henry Firm No. 86

Address Murtaugh, Idaho Date 3 Sept 77

Signed by (Firm Official) Blaine Boley Jr

and

(Operator) Blaine Boley Jr

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
DEC 19 1977
Department of Water Resources
Southern District Office

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Eugene Kenner #2

Address Rt 4 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☑ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☑ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 14 inches Total depth 295 feet

Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	14 inches	+ 1 feet	20 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☑ No

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☑ No Size of gravel _____

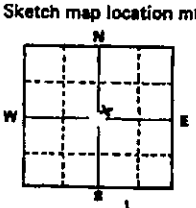
Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal ☑ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☑ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 36



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SW ¼ SE ¼ Sec. 3, T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 192 feet below land surface

Flowing? ☐ Yes ☑ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☑ Other displacement 6 Sec recovery

Discharge G.P.M.	Draw Down	Hours Pumped

40751

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
14	0	4	Brown clay		X
	4	25	Grey basalt		
	25	27	Cinders		
	27	35	Brown basalt		
	35	37	Brown cinders		
	37	46	Brown basalt		
	46	61	Brown cinders		
	61	79	Brown basalt (broken)		
	79	81	Brown cinders		
	81	94	Brown basalt		
	94	96	Brown cinders		
	96	141	Brown basalt		
	141	144	Brown cinders		
	144	146	Brown basalt		
	146	151	Gravel		
	151	185	Brown clay		
	185	252	Grey basalt	260 X	
	252	258	Cinders clay filled		X
	258	272	Grey brown basalt		X
	272	275	Grey basalt		X
	275	282	Cinders	X	
	282	284	Brown basalt		X
	284	288	Cinders	X	
	288	295	Brown basalt		X

10. Work started 12 Sept 1977 finished 23 Nov 1977

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Murtaugh, Idaho Date 12/12/77

Signed by (Firm Official) Blaine Boley

and

(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
OCT 5 1977
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Eugene Kenney

Address Rt 4 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

_____

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole _____ inches Total depth _____ feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. (36)

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome

SE ¼ NE ¼ Sec. 3, T. 9 ☐S, R. 19 ☐E/W

7. WATER LEVEL

Static water level _____ feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 40752

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	582	656	Grey - Brown basalt		X
	656	661	Reddish brown clay		X
	661	666	Grey basalt		X
	666	669	Cinders		X
	669	674	Grey - brown basalt		X
	674	676	Cinders		X
	676		Grey basalt		X

10.

Work started _____ finished _____

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Mountain Home, Idaho Date 3 Sept 77

Signed by (Firm Official) Blair Boley

and

(Operator) Blair Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

NOV 25 1977

WELL DRILLER'S REPORT

Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Eugene Kenner

Address C+4 Jerome, Idaho

Owner's Permit No.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☑ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or injection

4. METHOD DRILLED

☑ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

0-260' 14"
Diameter of hole 260'-685' 8" inches Total depth 685 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	14 inches	+ 1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

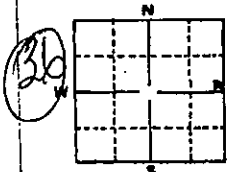
Well screen installed? ☐ Yes ☑ No
Manufacturer's name
Type Model No.
Diameter Slot size Set from feet to feet
Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☑ No Size of gravel
Placed from feet to feet

Surface seal depth 19' Material used in seal ☑ Cement grout ☐ Puddling clay ☑ Well cuttings
Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☑ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name
Lot No. Block No.

County Jerome

SE ¼ NE ¼ Sec. 3 T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 206 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow
Temperature ° F. Quality good
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☑ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
≈ 140	50'	8

9. LITHOLOGIC LOG 39930

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
14	0	6	Brown Sandy clay		X
	6	24	Grey basalt		
	24	28	Brown Scoria		
	28	72	Brown basalt		
	72	77	Brown Scoria		
	77	79	Brown basalt		
	79	89	Brown Scoria		
	89	110	Brown basalt		
	110	127	Brown Scoria		
	127	154	Brown basalt		
	154	159	Brown Cinders		
	159	184	Brown Sandy clay		
	184	206	Brown basalt		
	206	212	Grey basalt		
	212	216	Brown Scoria		
	216	229	Grey basalt		
	229	249	Brown basalt		
	249	254	Brown Sandy clay		
	254	266	Brown basalt		
	266	297	Grey basalt		
	297	238	Grey-brown basalt		
	238	368	Brown basalt		
	368	380	Grey basalt		
	380	404	Grey-brn basalt w/thin layers clay		
	404	417	Grey basalt		
	417	439	Brown basalt		
	439	446	Cinders (clay filled)		
	446	469	Grey basalt		
	469	474	Grey cinders		
	474	489	Grey basalt (clean cuttings)		
	489	501	Grey-brn basalt		
	501	505	Grey cinders		
	505	510	Grey basalt		
	510	514	Grey cinders		
	514	539	Grey basalt		
	539	582	Brown basalt		
	582	656	Grey-brown basalt		
	656	661	Reddish brown clay		

10. Work started 19 June 1977 finished 25 Aug 1977

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Mountain Home, Idaho Date 9/Nov/1977

Signed by (Firm Official) Blaine Boley Jr.

and (Operator) Blaine Boley Jr.

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
NOV 25 1977
Department of Water Resources
Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Eugene Kenner

Address Rt 4 Jerome, Idaho

Owner's Permit No.

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole _____ inches Total depth _____ feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name

Type Model No.

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel

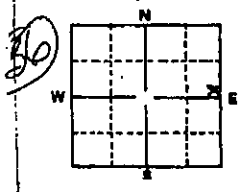
Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. _____ Block No. _____

County

SE¼ NE¼ Sec. 3 T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level _____ feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow

Temperature _____ ° F. Quality

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

39931

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	661	666	Grey basalt		X
	666	669	Cinders		X
	669	674	Grey-brown basalt		X
	674	676	Cinders		X
	676		Grey basalt		X

10.

Work started _____ finished _____

11. DRILLERS CERTIFICATION

Firm Name Boley & Envy Firm No. 86

Address Murtaugh Date 21 Nov 77

Signed by (Firm Official) Blaine Boley

and (Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
1/78

STATE OF ID.'HO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED
JUN 25 1987
Department of Water Resources
Southern Region Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ray Kissler

Address Dietrich

Owner's Permit No. _____

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION Redrill

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

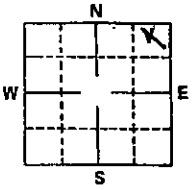
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 0 Material used in seal: ☐ Cement grout ☐ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location



MICROFILMED
MAR 14 1988

Subdivision Name _____

Lot No. _____ Block No. _____

County Lincoln

NE ¼ NE ¼ Sec. 19, T. 9S N/S, R. 19EBH/W.

7. WATER LEVEL

Static water level 255 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG REDRILL

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	260	OLD WELL		X
	260	320	Med Hard w/large breaks-crevices	X	

RECEIVED
JUL 06 1987
Department of Water Resources

10. Work started 2/8/82 finished 2/9/82

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. 11

Address Jerome Date 2/10/82

Signed by (Firm Official) _____

and

(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

024392

Log No. RECEIVED
Rec.
Well No.
Permit No.

(DO NOT FILL IN)

Owner B. L. KLEINKOPF Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SE ¼ SE ¼ Sec. 2, T. 9 ~~N~~S, R 18 E/~~W~~ JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6" Total depth of Well 24'

Give depth of standing water from surface NONE-HOUSE ORAIN Water Temp. °Farenheit

On pumping test delivery was g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was hr., minutes.

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Weight of casing per linear foot UNKNOWN

Thickness of casing 22 GAGE Casing material TIN CASING
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6½", 9' 6", FROM 1' TO 10' 6"
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 6-30-56 Date of completion of well 7-1-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6½"	1'	10' 6"	9' 6"	GROUTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SESE S.2 9S 18E

8

X-4393

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	8	TOP SOIL				
8	22	LAVA GRAY				
22	24	LAVA RED CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated AUGUST 22, 19 56.

Form 238-7
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

56547

1. DRILLING PERMIT NO. 36-94-S-0029-400
Other IDWR No. 36-14452

2. OWNER:
Name Edward Kober
Address 3415 800E
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☑
Rge. 18 East ☒ or West ☐
Sec. 5, 10 acres 1/4 40 acres NE 1/4 160 acres NE 1/4
Gov't Lot ____ County Jerome

Address of Well Site ____ City ____
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☐ New Well ☑ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☑ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD

Was drive shoe used? Y ☐ N ☒
Was drive shoe seal tested? Y ☐ N ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
5"	210	240	.25		☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☒ Perforations Method ____ MAY 08 1995
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
220	240	6"	79	¼"		☑	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 85° Bottom hole temp. 85°
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"					
			RECEIVED AUG 12 1994 Department of Water Resources		
			No additional drilling. Installed liner.		
			AUG 04 1994 Department of Water Resource Southern Region Offic		

Completed Depth As before 240' (Measurable)
Date: Started 7-27-94 Completed 7-28-94

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official ____ Date 8-3-94
and
Supervisor or Operator Dave Eaton Date 7-31-94
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
APR 13 1994
Department of Water Resources

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36-94-S-0009-000
Other IDWR No.

2. OWNER:
Name Edward Roberson
Address 341 S 800 E
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 5, ____ 10 acres 1/4 NE 40 acres 1/4 NE 160 acres
Gov't Lot ____ County Jerome

Address of Well Site 800 E 320 S
(Give at least name of road + Distance to Road or Landmark)
City Jerome

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Ben Ton. Tc	0	19	500 lbs	

Was drive shoe used? Y ☒ N ☐
Was drive shoe seal tested? Y ☐ N ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	110	.25		☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS: 54990
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 850 Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	8	Top Soil		
	8	12	Gray Lava		
	12	14	Lt Clay		
	14	61	Bl Lava		
	61	66	Cinders		
	66	73	Hard		
	73	79	Cinders		
	79	86	Broken		
	86	106	Cinders		
	106	110	Tan Clay		
6	116	137	Bl Lava		
	137	142	Broken		
	142	159	Hard		
	159	164	Broken		
	164	172	Clay		
	172	174	Cinders		
	174	207	Hard		
	207	216	Soft broken Lava	X	
	216	218	Hard		
	218	223	Broken	X	
	223	240	Hard		

RECEIVED
APR 08 1994
Department of Water Resources
Southern Region Office
FEB 10 1995

Completed Depth 240 (Measurable)
Date: Started 3-5-94 Completed 3-8-94

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official [signature] Date 3-11-94
and
Supervisor or Operator Dave Cook Date 3-9-94
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/91

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

1. WELL OWNER
Name Ed Kober
Address 341 S. 800 E Jerome Id
Drilling Permit No. 36-92-5-122
Water Right Permit No. OK

2. NATURE OF WORK
☒ New well ☐ Deepened ☒ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION
Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.25 inches	6 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

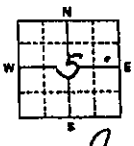
Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata
Describe access port Sanitary Cap

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE¼ NE¼ Sec. 5, T. 9 ☐ N ☒ S, R. 18 ☒ E ☐ W

7. WATER LEVEL
Static water level 208 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 65 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 83927

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top Soil		X
1	2	7	brockin bl Lava		
1	7	19	Gray Lava		
6	19	52	"		
	52	61	Red Lava		
	61	63	Cragasse No Returns		
	63	99	Soft Loose Rock		
	99	114	Hard		
	114	122	Clay		
	122	161	Hard		
	161	163	Soft		
	163	187	Hard		
	187	209	"		
	209	214	Soft	X	
	214	243	Hard + brockin	X	
	243	247	Clay		
	247	279	Hard		
	279	280	Cinders	X	

RECEIVED JUL 7 1992 Department of Water Resources
APPROVED DEC 07 1992

10. Work started 5-18-92 finished 5-19-92

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Eaton drilling Firm No. 26
Address Wendell Date 5-19-92
Signed by Drilling Supervisor _____
and
(Operator) Dave Cooley
(If different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

68267

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36-97-S-0047-000
Other IDWR No. _____

2. OWNER:
Name Shane Kober
Address 341 South 800 East
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 5, ____ 10 acres 1/4 SE 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site Approx ½ South of 341 S 800 E City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	200	2000 lbs	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	205	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
194 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ~85° Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	19	Top Soil		
	19	63	Gray LAVA		
	63	67	Cinders		
	67	104	Hard		
	104	119	Cinders		
	119	148	Hard		
	148	161	Soft		
	161	185	Hard		
	185	203	Med Hard + breaks		
	203	205	Soft		
6	205	206	BI LAVA		
	206	211	" "		
	211	214	Broken + br Clay	X	
	214	318	BI LAVA		
	318	325	Broken Cinders + br Sand	X	

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JUN 25 1997
Department of Water Resources
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JUN 09 1997
Department of Water Resources
Southern Region

Completed Depth 325 (Measurable)
Date: Started 4-29-97 Completed 5-25-97

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official Danny Nielsen Date 5-6-97
and
Supervisor or Operator Dave Cox Date 5-5-97
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36

Form 238-7
11/97

App 75114

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

QA

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 320951
DRILLING PERMIT NO. - - -
Other IDWR No. 7809.36

2. OWNER:
Name Robert D Lewis
Address 1435 875 E
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 27 ____ 1/4 SW 1/4 SE 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site App. 970E 1805, City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
3/8" envirochips	0	147	10 bags	dry pour

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Yes ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
0 ft. below ground Artesian pressure ____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Wat

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y
			Abandonment	

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FEB 19 2003
Department of Water Resources
Southern Region

Completed Depth 147'
Date: Started 1/2/03 Completed 1/2/03

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling Firm No 26
Firm Official _____ Date 1-3-03
and
Driller or Operator _____ Date _____

Basin 36
App 74402
Per 78847
FP 35451 6

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

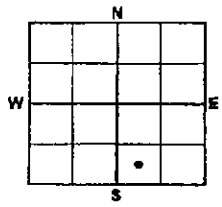
CA

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023443
DRILLING PERMIT NO.
Other IDWR No.

2. OWNER:
Name Robert D. Lewis
Address 143 S. 875 E.
City Jerome State ID Zip 83330

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 27 ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site app. 970 E. 180 S.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other replacement

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite	0	278	60 bags	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 278'
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6"	+2	278	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 2' Length of Tailpipe

9. PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
244 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments:
Depth first Water Encountar 250'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	5	top soil		
8	5	21	medium hard lava		
8	21	109	medium brown lava		
8	109		soft red lava & cinder		
		118	pockets		
8	118	123	broken lava & cinders		
8	123	148	medium lava		
8	148	162	breaks, cinders & clay		
8	162	185	medium lava		
8	185	194	soft ash & clay		
8	194	214	medium lava		
8	214	217	soft broken lava		
8	217	257	medium lava		
8	257	261	soft lava & breaks		
8	261	265	medium lava		
8	265	270	soft lava & clay		
8	270	272	medium lava		
8	272	276	soft lava, breaks & ash		
8	276	278	medium lava		
6	278	290	medium lava		
6	290	293	ash & silt	X	
6	293	297	medium lava		
6	297	305	ash & soft lava	X	
6	305	318	medium soft lava		
6	318	324	soft lava, ash & talc	X	
6	324	336	medium soft lava		
6	336	340	soft lava	X	

RECEIVED
NOV 22 2002
Department of Water Resources

Completed Depth 340' (Measurable)
Date: Started 10/28/2002 Completed 10/30/2002

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 10/30/2002
and
Driller or Operator [signature] Date 10/30/2002
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

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NOV 29 1976
Department of Water Resources

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Lonnie Lickley
Address Main Ave - Heyburn, Idaho
Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 5" inches Total depth 195 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.258 inches	5 9/16 inches	+ 1 feet	161 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

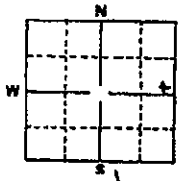
Well screen installed? ☐ Yes ☒ No
Manufacturer's name
Type Model No.
Diameter ___ Slot size ___ Set from ___ feet to ___ feet
Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Gravel packed? ☐ Yes ☒ No Size of gravel
Placed from feet to feet

Surface seal depth 20 Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name
Lot No. Block No.
County Jerome
SE ¼ NE ¼ Sec. 7 T. 9 ☒S, R. 18 E/☒

7. WATER LEVEL

Static water level 145 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow
Temperature ° F. Quality
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
10	None	1/2

40750

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
5	0	5	Brown clay		X
	5	55	Grey basalt		
	55	81	Brown basalt		
	81	91	Brown clay		
	91	135	Grey basalt		
	135	145	Brown clay		
	145	148	Grey basalt	X	
	148	153	Grey clay		X
	153	188	Grey basalt	X	
	188	193	Red sandy clay		X
	195	195	Grey basalt	X	

10.

Work started 25 Oct 1976 finished 13 Nov 1976

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86
Address Murtaugh, Idaho Date 19 Nov 1976
Signed by (Firm Official) Blaine Boley Jr
and (Operator) Fred [illegible]

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bruce Lohnes

Address 808 S 1400 E Eden, ID 83325

Drilling Permit No. 36-93-S-0096-000

Water Right Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6-5/8 inches	+ 2 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

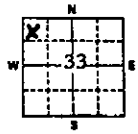
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 18' Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port Well Cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site _____ (give at least name of road)
NW ¼ NW ¼ Sec. 33, T. 9 N ☐ or S ☒, R. 19 E ☒ or W ☐

7. WATER LEVEL

Static water level 292 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

104019

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	3	Topsoil		x
	3	6	Caliche		x
	6	18	Basalt		x
6"	18	34	Basalt		x
	34	37	Cinders & clay		x
	37	40	Basalt		x
	40	42	Broken basalt, no circulation		
	42	62	Basalt		x
	62	65	Broken basalt		x
	65	84	Basalt		x
	84	89	Cinders		x
	89	100	Basalt		x
	100	112	Cinders		x
	112	164	Basalt		x
	164	168	Cinders		x
	168	185	Basalt		x
	185	190	Cinders		x
	190	209	Basalt		x
	209	215	Cinders & clay		x
	215	228	Basalt		x
	228	234	Cinders		x
	234	245	Basalt		x
	245	257	Cinders & clay		x
	257	270	Basalt		x
	270	283	Cinders		x
	283	290	Basalt		x
	290	298	Broken basalt		x
	298	310	Basalt		x
	310	318	Cinders	x	
	318	335	Cinders	x	
	335	340	Basalt		x

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APR 06 1993
Department of Water Resources
Southern Region Office

10.

Work started 4-1-93 finished 4-1-93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling Firm No. 31
Address P.O. Box 919 Twin Falls, ID 83303 Date 4-5-93
Signed by Drilling Supervisor Gerald Elsing
and
(Operator) _____
(If different than the Drilling Supervisor)

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AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Correction

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030271
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Darlene Lohnes
Address 847 1400E
City Eden State Idaho Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☑
Rge. 18 19 East ☑ or West ☐
Sec. 34 32 NE 1/4 NE 1/4 SW 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other C

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
NA				

Was drive shoe used? ☐Y ☐N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☐N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
		NA			☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
		NA				☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
360 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☑ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15 gpm			1 hour

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
4"	367	385	drilling beside foreign object. Fractured basalt	✓	

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JUN 23 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 385 (Measurable)
Date: Started 3/15/04 Completed 3/17/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodak Drilling Co Firm No. 531
Principal Driller [signature] Date 6/19/04
and
Driller or Operator II Robert Thorne Date 6/19/04
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name: Kenneth MacLeod
Address: 1002 E 900 S, Eden, ID 83325
Owner's Permit No.: 36-91-S-043pk

2. NATURE OF WORK

☐ New well ☐ Deepened ☒ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches +	1½ feet	18½ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18½ Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SW ¼ NE ¼ Sec. 34, T. 9 N ☐ S ☒, R. 18 E ☒ W ☐

MICROFILMED FEB 14 1992

7. WATER LEVEL

Static water level 119' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 56 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
30-40		

9. LITHOLOGIC LOG

072429

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2½	Surface dirt		
	2½	14	Grey basalt		
	14	14½	Crevice		
	14½	18½	Grey/brown basalt		
6	18½	22	Grey/brown basalt		
	22		Crack		
	22	38	Brown/black basalt		
	38	52	Black basalt		
	52	72	Brown basalt		
	72	77	Grey/brown basalt, harder		
	77	115	Brown basalt		
	115	122	Broken basalt	T	
	122	148	Black/brown basalt		
	148	163	Black basalt	X	
	163	166	Brown/black, harder		
	166	169	Broken		
	169	175	Grey basalt		
	175	188	Broken layers black basalt	X	
	188	196	Black basalt	?	
	196	200	Grey basalt, solid		

RECEIVED
JUN 24 1991
Department of Water Resources

RECEIVED
APR 29 1991
Department of Water Resources
Southern Region Office

10.

Work started 4/16/91 finished 4/17/91

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Walker Water Systems, Inc. Firm No. 15
Address 624 Pierce Street Twin Falls, Idaho 83301 Date 4/19/91
Signed by (Firm Official) Paul Walker
and
(Operator) Paul Walker

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

FORWARD WHITE COPY TO WATER RESOURCE

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp Rge Sec
1/4 1/4 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0043337
DRILLING PERMIT NO. 843383
Other IDWR No.

2. OWNER:
Name Steve and Pam Makos
Address 3236 Muir Rd
City Yuba City State CA Zip 95901

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 21 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot County Jerome
Lat: 42:42.473 Long: 114:21.633
Address of Well Site 820 E 100 S
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. Blk. Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	-1	-19	200 lbs	Dry Pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s)
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	+1	-19	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
240 ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments:
Depth first Water Encounter 254

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	10	top soil		
8/6	10	24	med lava		
6	24	29	soft lava and cinders		
6	29	35	med lava		
6	35		soft lava and broken		
		44	cinders		
6	44	50	med soft lava		
6	50	55	ash and cinders		
6	55	62	clay		
6	62	74	med soft lava		
6	74		soft broken lava and		
		84	cinders		
6	84	93	med soft lava		
6	93	96	soft broken lava		
6	96	128	med soft lava		
6	128	130	soft cinders		
6	130	157	med soft lava		
6	157	159	broken lava		
6	159	164	med lava		
6	164	166	creavass		
6	166	180	med soft lava		
6	180	195	soft lava		
6	195	215	med lava		
6	215	217	broken lava		
6	217	226	soft lava and breaks		
6	226	244	med soft lava		
6	244	254	soft lava and breaks	X	
6	254	284	med soft lava		
6	284	287	soft lava and cinders	X	
6	287	298	med soft lava and breaks	X	
6	298	305	soft lava and cinders	X	

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DEC 01 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 305 (Measurable)
Date: Started 11/3/2006 Completed 11/3/2006

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Date 11/7/2006
and
Driller or Operator Date 11/7/2006
(Sign once if Firm Official & Operator)

USE TYPEWRITER OR BALL POINT PEN

RECEIVED
APR 4 1974
Department of Water Administration

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED
JUN 3 0 1974
Department of Water Administration
Southern District Office

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jeff Marble

Address Jerome Idaho Route 4

Owner's Permit No. 36-7336

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16 inches Total depth 985 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	16.00 inches	+ 1 feet	94 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

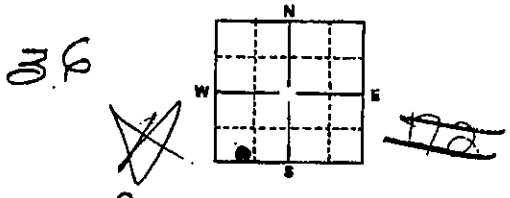
Placed from ____ feet to ____ feet

Surface seal? ☒ Yes ☐ No To what depth 94 feet

Material used in seal .. ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County Jerome

S½ SW¼ NW¼ Sec. 21, T. 8 S., R. 18 E.W.

7. WATER LEVEL

Static water level 198 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow ____

Temperature ____ ° F. Quality Good

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other Not test

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 40435

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	3	Surface		
	3	30	Blk Lava		
	30	42	Brn. Lava		
	42	48	Red clay		
	48	65	Hard grey clay		
	65	70	Cinders, Boulders		
			lost cuttings		
	70	89	Blk. lava & cinder soft Formation		
	89	95	Grey lava hard		
	95	120	Brn. lava & red		
	120	130	Blk lava		
	130	180	Brn. lava hard & cracked		
	180	195	Red clay & cinders		
	195	210	Brn. lava firm		
	210	225	100.5a brn. lava no cuttings		
	225	238	Brn. lava firm		
	238	280	Blk cinders	X	
			no cuttings	X	
	280	285	Blk. lava hard	X	

10. Work started 4/1/74 finished 5/14/74

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

George Gerber Well Drilling 49
Driller's or Firm's Name Number

P.O. Box 349 Kimberly Idaho
Address

George Gerber 6/25/74
Signed By

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

RECEIVED
MAY 21 1973
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jay Martin

Address Jerome, Idaho

Owner's Permit No. 369235

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 412 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	16 inches	+2 feet	206 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

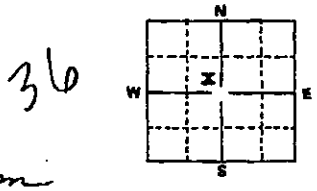
Placed from ____ feet to ____ feet

Surface seal? ☒ Yes ☐ No To what depth 8 feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



36

County Jerome

NE ¼ NW ¼ Sec. 5 T. 9 ☒ N/S, R. 18 ☒ E/W

7. WATER LEVEL

Static water level 164 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow ____

Temperature 47 ° F. Quality Good

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
2400	16 ft.	4

39928

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20"	0	2	Topsoil		
	2	5	Yellow clay		
	5	30	Broken Gray lava		
	30	41	Gray lava and Red cinders		
	41	44	Gray lava		
	44	64	Gray lava and red cinders (lost cuttings)		
	64	77	Gray lava (hard)		
	77	84	Broken gray lava and brown sandy clay		
	84	142	Gray lava		
	142	153	Broken red lava and brown sandy clay		
	153	163	Gray lava		
	163	165	Broken lava and cinders (struck water at 164 ft.)		
	165	203	Tan-to-brown clay and small gravels		
	203	207	Gray lava (Firm)		
16"	207	219	Broken gray lava (water)		
	219	227	Gray lava (hard)		
	227	245	Gray and red cinders tan-to-brown clay		
	245	249	Gray lava		
	249	270	Broken gray lava some red cinders (water)		
	270	285	Gray lava		
	285	289	Broken gray lava		
	289	318	Firm gray lava (no water)		
	318	320	Broken gray lava and gray cinders (water-small amount)		
	320	322	Hard gray lava		
	322	330	Broken gray lava and cinders (water small amount)		
	330	351	Gray lava (no water)		
	351	367	Tan sticky clay (caving) badly		
	367	369	Cinders		
	369	386	Gray lava broken (seemed to be a small amount of water 383-384)		

10. Work started Mar. 8, 1973 finished Apr. 12, 1973

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Jack Alexander, Drilling Contractor 127

Driller's or Firm's Name Number

510-13th Rupert, Idaho 83350

Address

Jack Alexander Apr. 12, 1973

Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

CONTRACTOR

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED
MAY 21 1973
Department of Water Administration

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jay Martin

Address Jerome, Idaho

Owner's Permit No. 367235

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☐ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole _____ inches Total depth _____ feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
_____ inches	_____ inches	+_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

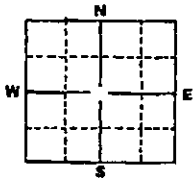
Placed from _____ feet to _____ feet

Surface seal? ☐ Yes ☐ No To what depth _____ feet

Material used in seal ☐ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



36

County Jerome

NE ¼ NW¼ Sec. 5, T. 9 N/S, R. 18 E/W

7. WATER LEVEL

Department of Water Administration

Static water level _____ feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 39929

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
	386	390	Tan-to-brown clay (sticky) (caving badly)		
	390	400	Gray lava (firm)		
	400	405	Light brown sandy clay		
	405	411	Gray lava (broken)		
	411	412	Gray lava (firm)		

10.

Work started _____ finished _____

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Jack Alexander Drilling Co.
Driller's or Firm's Name

Number

Address

Jack Alexander 4/12/73
Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

53189

1. DRILLING PERMIT NO. 36-94-S-0286-000
Other IDWR No.

2. OWNER:
Name Justin Martin
Address 835 Quincy #3
City Twin Falls State Id Zip 83301

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 5 , 10 acres 1/4 40 acres SW 1/4 160 acres NW 1/4
Gov't Lot ____ County Jerome
Address of Well Site approx 325 700 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	60	100	500	Poured Through Casing

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? Y ☐ N ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	2	98	250	steel	☐	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
184 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Sanitary well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 85 Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	8	Top Soil		
	8	22	Blk Lava		
	22	23	Crevice		
	23	40	Br lava		
	40	45	Br. Cinders		
	45	50	Crevice / Lst. 12 tns		
	50	90	Soft & Broken		
	90	115	Hard		
	115	118	Soft		
	118	190	Hard		
	190	200	Soft		
	200	209	Hard		
	209	212	Soft	X	
	212	236	Hard		
	236	240	Broken		
	240	245	Hard		

RECEIVED
DEC 19 1994
Department of Water Resource
Southern Region Office

RECEIVED
JAN 27 1995
Department of Water Resources

JUN 26 1995

Completed Depth 245 ft. (Measurable)
Date: Started Nov 29 94 Completed Nov 30 94

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official ____ Date 12-1-94
and
Supervisor or Operator Hal Eaton Date Dec. 1/94
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
JUL 23 1987
Department of Water Resources
Southern Region Office

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Merle Martin

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 ~~5/8OD~~ inches	+ 1 feet	-19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

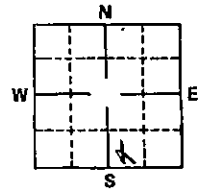
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SW ¼ SE ¼ Sec. 29, T. 8S N/S, R 18EMB E/W.

MICROFILMED
MAR 14 1988

7. WATER LEVEL

Static water level 235 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

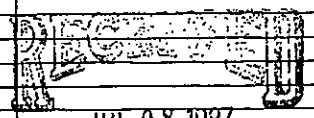
8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	4	Top Soil Sand		X
	4	10	Med Hard Gray Basalt w/lg. breaks		
	10	19	Med Hard Gray Basalt		
6	19	40	Med Hard Gray Basalt w/lg. breaks		
	40	43	Med Hard Brown-Gray Basalt		
	43	48	Med Hard Brown Basalt w/lg.breaks-crevices		
	48	63	Med Hard Gray Basalt w/lg. breaks		
	63	83	Med Hard Gray Basalt w/lg.breaks-crevices		
	83	90	Hard Gray Basalt w/sm. breaks		
	90	123	Med Hard Gray Basalt w/lg. breaks		
	123	143	Med Hard w/lg.breaks-crevices		
	143	163	Med Hard w/sm. breaks		
	163	200	Med Hard w/lg. breaks		
	200	203	Med Soft		
	203	223	Med Hard w/lg. breaks		
	223	240	Med Hard w/sm. breaks		X
	240	245	Hard w/sm. breaks	X	
	245	274	Med Hard w/lg. breaks - crevices		
c	274	286	Med Hard		
	286	300	Med Hard w/lg. breaks - crevices		X



JUL 08 1987
Department of Water Resources

10.

Work started 7/7/81 finished 7/9/81

11. DRILLERS CERTIFICATION dl

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11
Address Jerome Date 8/8/81
Signed by (Firm Official) Dennis C Hunt
and
(Operator) Dennis C Hunt

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

App 89110

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No. ____
Inspected by ____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0036877
DRILLING PERMIT NO. 836110
Water Right or Injection Well No. ____

2. OWNER:
Name Maverick Land + Cattle / Lonnie Lickley
Address 433 South 700 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 7 ____ 1/4 (10 acres) NE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 400 S 700 E
(Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	18	6 sacks	poured

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 219
Was drive shoe seal tested? ☒ Y ☐ N How? Air

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	219	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
169 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: plate

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	4	topsoil		
	4	43	grey basalt		
	43	47	brown ash		
	47	89	fractured grey basalt		
	89	91	crevice		
	91	137	fractured basalt + cinders beds		
	137	150	clay		
	150	213	fractured basalt + cinder beds	x	
	213	216	brown sand + gravel	x	
	216	219	fractured grey basalt	x	
6	219	234	fractured grey basalt	x	
	234	243	broken basalt	x	
	243	255	fractured grey basalt	x	

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OCT 21 2005
Department of Water Resources
Southern Region

Completed Depth 255' (Measurable)
Date: Started 9.20.05 Completed 9.20.05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name AK Drilling Inc Firm No. 611
Principal Driller [signature] Date 9.20.05
and
Driller or Operator II Craig Egan Date 9.21.05
Operator I Lloyd Hayden Date 9.21.05
Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 405698
DRILLING PERMIT NO. 835186 App. 890204
Water Right or Injection Well No. ____

2. OWNER:
Name Maverick Land + Cattle to Lonnie Lickley
Address 433 S. 700 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9S North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 8 ____ 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 430 S 700 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	75	-1	28 sacks	poured

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
0 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			Abandonment		
6"			No water in well - filled it with 28 sacks of bentonite from 75' to -1' of ground level. -1 to 0 was top soil		

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Department of Water Resources
Southern Region

Completed Depth ____ (Measurable)
Date: Started 8-9-05 Completed 8-10-05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name AK Drilling, Inc Firm No. 611
Principal Driller Robert A Wade Date 8-10-05
and
Driller or Operator II ____ Date ____
Operator I ____ Date ____
Principal Driller and Rig Operator *Required*.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

App 889183

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0036632
DRILLING PERMIT NO. 834164
Water Right or Injection Well No.

2. OWNER: % Lonnie Lickley
Name MAVERIK LAND + CATTLE
Address 433 S 700E
City JEROME State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 8, ____ 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County JEROME
Lat: : : Long: : :
Address of Well Site 430 S 700E
(Give at least name of road – Distance to Road or Landmark) City JEROME
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other Replacement

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	18	4 sack	Pour

Was drive shoe used? ☒ Y ☒ N Shoe Depth(s) 206
Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8	+1	206	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
168 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
____ Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	Top Soil		X
8	3	54	Gray Basalt		X
8	54	66	Brown Basalt		X
8	66	79	Fractured Gray Basalt		X
8	79	86	Brown Ash		X
8	86	197	Fractured Gray Basalt	X	
8	197	200	Red Sand + Cinders	X	
6	200	255	Fractured Gray Basalt	X	
			Actual Sizes Are 8 3/4 + 6 1/8		

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JUL 12 2005
Department of Water Resources
Southern Region

Completed Depth 255 FEET (Measurable)
Date: Started 6-21-05 Completed 6-22-05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name AK Drilling Inc Firm No. 611
Principal Driller [signature] Date 6-27-05
and
Driller or Operator II [signature] Date 6-27-05
Operator I [signature] Date 6-27-05
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name McFarland Agri
Address Eden, Id 83325
Drilling Permit No. 36-93-S-0099-001
Water Right Permit No. _____

2. NATURE OF WORK
☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE
☑ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☑ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION
Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

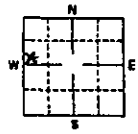
Well screen installed? ☐ Yes ☐ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth ____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site _____ (give at least name of road)
SW ¼ NW ¼ Sec. 27, T. 9 ☐ N ☐ or S ☒, R. 19 ☒ E ☐ or W ☐

7. WATER LEVEL
Static water level 235 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

104782

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6"	245	248	Grey basalt		X
	248	250	Scoria	X	
	250	269	Brown basalt	X	
	269	273	Grey basalt		X
	273	277	Scoria	X	
	277	295	Brown basalt	X	

RECEIVED
APR 09 1993
Department of Water Resources
Southern Region Office

10.
Work started 5 April 93 finished 8 April 1993

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Boley + Henry Firm No. 86
Address Murtaugh Date 9 April 1993
Signed by Drilling Supervisor Blaine Boley
and
(Operator) Blaine Boley
(If different than the Drilling Supervisor)

AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

RECEIVED State of Idaho
FEB 9 Department of Water Resources

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Don McFarland

Address Eden, Idaho

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 375 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6" inches	+ 1 feet	302 feet
.258 inches	5 9/16 inches	265 feet	365 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☒ Torch

Size of perforation 1/4 inches by 3/8 inches

Number		From	To
24	perforations	275 feet	360 feet
	perforations	feet	feet
	perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel

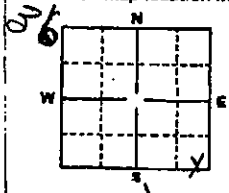
Placed from feet to feet

Surface seal depth 35 Material used in seal ☒ Cement grout ☐ Puddling clay ☒ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County Jerome

SE ¼ SE ¼ Sec. 28, T. 9 ☐S, R. 19 ☒E

7. WATER LEVEL

Static water level 300 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
10	None	1/2

40748

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	27	Brown clay		X
	27	47	Grey scoria		
	47	59	Grey basalt		
	59	80	Brown basalt		
	80	120	Grey basalt		
	120	169	Brown scoria		
	169	179	Grey basalt		
	179	210	Grey scoria		
26"	210	293	Brown scoria		
5"	293	318	Grey basalt	X	
5"	318	335	Brown scoria	X	
5"	335	345	Grey basalt	X	
5"	345	350	Brown scoria	X	
5"	350	360	Grey scoria	X	
5"	360	375	Grey basalt	X	

10. Work started 21 Oct 1975 finished 17 Jan 1976

11. DRILLERS CERTIFICATION

Firm Name Baley & Henry Firm No. 86

Address Murtaugh, Idaho Date 3 Feb 1976

Signed by (Firm Official) Blair Baley

and

(Operator) Blair Baley

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Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
2 3 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Don McFarland

Address Box 268 Eden Id 83325

Drilling Permit No. 36-93-3-0037-001

Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☑ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

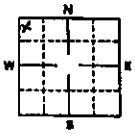
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth ____ Material used in seal: ☐ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site _____ (give at least name of road)
NW ¼ NW ¼ Sec. 33, T. 9 N ☐ or S ☒, R. 19 E ☒ or W ☐

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AUG 09 1993
Department of Water Resources
Southern Region Office

7. WATER LEVEL

Static water level 315 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Baller ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	315	½

9. LITHOLOGIC LOG 104018

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
5¾	317	329	Basalt	X	
	329	332	Scovia	X	
	332	337	Basalt	X	
	337	339	Scovia	X	
	339	367	Basalt	X	
	367	370	Red Sand + cinders	X	
			Last 90% of all cuttings		

10.

Work started 24 finished 28 Feb 1993

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Id Date 28 Feb 1993
Signed by Drilling Supervisor Blaine Boley
and
(Operator) Russell Boley
(if different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Well Log Form 1
3M-3/63

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JUN 30 1967
Department of Reclamation

027791

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

SUBMIT WITHIN 30 DAYS AFTER COMPLETION OF WELL: SEE IDAHO STATUTES 42-238

G32372

Permit No. 81 Well No. _____ County Twin Falls

Owner Bill McLeod

Address Twin Falls, Ida

Driller James N. Moore

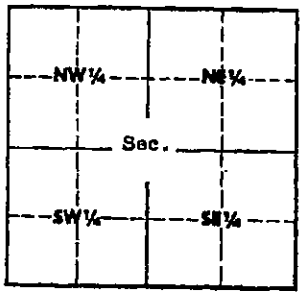
Address Twin Falls Ida.

Well location SE ¼ SW ¼ Sec. 36, T. 9 N/S, R. 18 E/W

Size of drilled hole 12 in

Total depth of well 150 ft

Locate well in section



Give depth to standing water from the ground 134 ft Water temp. _____ °Fahr.

Test delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet. Pump? _____ Bail? _____

Size of pump and motor used to make test no Test

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic + irrigation Weight of casing per lineal foot _____

Thickness of casing _____ Casing material _____
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 3 ft - 14 O.D Casing
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well Feb 20 1965 Date of completion of well May 1st 1965

36

SESW S. 36 9S 18E

USGS

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	3	top soil		
3	15	grey lava		
15	20	" "		
20	30	" "		
30	35	brown "		
35	40	" "		
40	43	" "		
43	50	grey "		
50	55	" "		
55	63	red "		
63	70	" "		
70	75	grey "		
75	85	" "		
85	94	brown "		
94	100	" "		
100	110	red "		
110	115	" "		
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is complete, true and correct to the best of my knowledge and belief.

Signed James N. Moore

By

Dated June 28, 1967

License No. 88

Well Driller's Helper

027792

Well Log Form 1
2M - 5/62

027793

SHEET NO. 2

Well Owner Bill McLeod

Well Driller [illegible]

Well Location SE¼SW¼ S.2 T9S-R18E

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
115	120	grey lava		
120	130	" "		
130	135	red "		
135	145	red cinders, WATER BEARING		
145	150	" "		
150	160	grey lava		
160	165	" "		
165	170	red "		
170	185	" "		

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SESW S.36 9S18E

36

Well Log Form 1
2M - 5/62

SHEET NO. 2

Well Owner

Well Driller

Well Location

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No

Form 238-7
11/97 JGE

App 877190 Permit 803268 374173

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0023800
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Orville McClean
Address 139 S. 700 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description: CA
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 30 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site as above
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☒ Other deepen

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	6	18	200 lbs.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 2' Length of Tailpipe _____

9. PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
284' ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments: _____
Depth first Water Encounter 337'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	14	reemed exsisting hole		
6	2	18	6" surface casing		
6	285	294	medium lava		
6	294	296	soft lava		
6	296	314	medium soft lava		
6	314	337	soft lava	X	
6	337	341	soft lava, breaks & ash	X	
6	341	345	medium lava		
6	345	353	soft lava		
6	353		soft lava, breaks, cinders		
		361	& ash	X	

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JUL 14 2003
Department of Water Resources
Southern Region

Completed Depth 360' (Measurable)
Date: Started 6/9/2003 Completed 6/11/2003

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official _____ Date 6/11/2003
and
Driller or Operator _____ Date 6/11/2003
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

App 888339 IDA DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Offical Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D - D0036501
DRILLING PERMIT NO. 833044
Other IDWR No.

2. OWNER
Name Don McFarland
Address Po Box 8778
City Twin Falls State Id Zip 83303

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 9 ☐ North or ☑ South
Rge. 18 ☑ East or ☐ West
Sec. 1 ____ 1/4 SE 1/4 SE 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :

Address of Well Site 400S Hyway 25 City Eden
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (replacement ect.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES CA

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
na				

Was drive shoe used? ☐ Y ☐ N Shoe depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
na					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
Perforations Methods ____
Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
na						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
230 ft below ground Artesian pressure ____
depth flow encountered ____ ft. Describe access port
or control devices Through sanitary Seal

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time

Water Temp. cold Bottom hole temp. ____
Water Quality test or comments: ____
Depth first water encounter 230

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	237	245	Basalt	y	
	245	247	Scoria	y	
	247	254	Basalt	y	
	254	257	Scoria	y	
	257	268	Basalt	y	
	268	272	Scoria	y	
	272	282	tan Clay		n
	282	bot	Hard Basalt		
			Note 6" Bit left in bottom of hole		
			unfishable		

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MAY 26 2005
Department of Water Resources
Southern Region

Completed depth 275 ft. (measurable)
Date: Started May 5,2005 Completed May 8,2005

13. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Weech Well Drilling Firm No. 210
Firm Offical [signature] Date 5-10-05
and
Driller or Operator [signature] Date 5-27-05
(Sign once if Firm Offical & Operator)

App 88180?

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030350
DRILLING PERMIT NO. 812743
Water Right or Injection Well No.

2. OWNER:
Name Jeff Mecham
Address 786 E Rd
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8S North ☐ or South ☑
Rge. 18E East ☑ or West ☐
Sec. 17, SW 1/4 (10 acres) SE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 786 E Rd
(Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____ OA

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
NA				

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
	NA				☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
	NA					☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
NA				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
305 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☑ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20gpm			1hr

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
5	310	320	Firm basalt		✓
	320	345	broken basalt	✓	
	345	350	Firm basalt		✓
	350	360	Cinders	✓	

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JUN 23 2004
Department of Water Resources
Southern Region

Completed Depth 360 (Measurable)
Date: Started 4/8/04 Completed 4/11/04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling CO Firm No. 531
Principal Driller ____ Date 6/19/04
and
Driller or Operator II Robert Lavoye Date 6/19/04
Operator I ____ Date ____
Principal Driller and Rig Operator *Required*.
Operator I must have signature of Driller/Operator II.

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App 8036115

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0036870
DRILLING PERMIT NO. 836105
Water Right or Injection Well No.

2. OWNER:
Name Chris Metzler
Address 1236 E 800 S
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to wel.
Twp. 9 North ☐ or South ☑
Rge. 19 East ☑ or West ☐
Sec. 24 SW 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 1236 E 800 S
City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
	N/A			

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
		N/A			☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
		N/A				☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
	N/A			

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
215 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
16	227	230	Cleanout		✓
	230	235	Grey Basalt		✓
	235	250	Cinders	✓	
	250	265	Fractured Basalt	✓	
	265	273	Hard Grey Basalt		✓

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DEC 21 2005
Department of Water Resources
Southern Region

Completed Depth 273' (Measurable)
Date: Started 9/17/05 Completed 9/19/05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling Co Firm No. 531
Principal Driller ____ Date ____
and
Driller or Operator II ____ Date 12/20/05
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

093241

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36 - 96 - S - 0039 - 000
Other IDWR No. _____

2. OWNER:
Name Chris Meyer
Address 277 S. Eden Rd.
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 34, ____ 1/4 SE 1/4 SE 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
City _____
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	4 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

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APR 16 1996
AUG 27 1996
Department of Water Resources

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
180 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
_____ Depth first Water Encountered _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	8	Topsoil		X
	8	18	Gray lava		X
6"	18	56	Gray lava		X
	56	85	Soft brown lava		X
	85	97	Lava ash		X
	97	115	Brown lava		X
	115	166	Gray lava		X
	166	185	Broken lava, lost circulation		X
	185	235	Solid lava		X
	235	243	Cinders	X	
	243	262	Solid lava		X
	262	271	Cinders	X	
	271	284	Solid lava		X
	284	300	Broken lava	X	

RECEIVED
MAR 26 1996
Department of Water Resources
Southern Region

Completed Depth 300 ft. (Measurable)
Date: Started 3-19-96 Completed 3-19-96

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 3-21-96
and
Supervisor or Operator Lloyd Hoyde Date 3-21-96
(Sign once if Firm Official & Operator)

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Basin 36

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 348239
DRILLING PERMIT NO. 776396
Other IDWR No. 8708960

2. OWNER:
Name Blaine Miller
Address 250 S Eden Rd
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 35 ____ 1/4 SE 1/4 NW 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site North of house
In Field (Give at least name of road + distance to Road or Landmark) City Jerome

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
3/8" enviroplug	0	20	1 Sack	dry pour

Was drive shoe used? ☐Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			Abandon well		

RECEIVED
MAY 15 2002
Department of Water Resources
Southern Region

Completed Depth 20 ft. (Measurable)
Date: Started 4/19/02 Completed 4/19/02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Easton Drilling Firm No. 26
Firm Official [signature] Date 4-20-02
and
Driller or Operator _____ Date _____

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

95275

1. WELL TAG NO. D 0008134
DRILLING PERMIT NO. 36-99-5-0057-000
Other IDWR No. WR 36-2409C

2. OWNER:
Name Blaine Miller
Address 250 S. Eden Rd.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 35 _____ 1/4 (10 acres) SW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot _____ County Jerome
Lat: Long:
Address of Well Site 250 S. Eden Rd.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other dairy

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite	0	19	200lbs.	dry pour

Was drive shoe used? ☐Y ☒N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☒N How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	+1	19	.25	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe _____

MICROFILMED

9. PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Screen Type _____

AUG 25 1999

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
166 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter 219'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	13	top soil		
8	13	19	medium lava		
6	19	58	medium hard lava		
6	58	60	cinders		
6	60	67	medium lava		
6	67	78	medium hard lava		
6	78	87	soft ash & clay cinders		
6	87	117	medium hard lava		
6	117	131	soft cinders		
6	131	220	medium hard lava	X	
6	220	230	soft porous lava	X	
6	230	240	medium lava	X	
6	240	253	soft sand crevice	X	
6	253	256	medium lava	X	

RECEIVED
JUN 29 1999
Department of Water Resources

RECEIVED
JUN 04 1999
Department of Water Resources
Southern Region

Completed Depth 242' (Measurable)
Date: Started 5/19/99 Completed 5/20/99

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & Pump Service, Inc. Firm No. 26
Firm Official _____ Date 5/27/99
and
Driller or Operator _____ Date 5/27/99
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7.
11/97

Bus in 36
App 864634
Per 767393

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. 36 - - - - 767393
Other IDWR No. app. 864634

2. OWNER:
Name John & Julie Miller
Address 1337 East 400 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S: X

Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 8, ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
1337 East 400 South City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	-2'	270	27 S	Poured
Cement	0	-2	1 S	Poured
slurry				

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
213 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			Abandonment		
			Well was in a pit with approximately 8 ft. of casing in hole. Casing was pulled out. The hole was filled with 27 sacks of bentonite from 270 ft. to within 2 ft. of the top of the well.		
			Cement plug was put on top of bentonite, 2' to ground level, inside pit.		

RECEIVED
NOV 14 2000
Department of Water Resources

RECEIVED
NOV 09 2000
Department of Water Resources

Completed Depth _____ (Measurable)
Date: Started 11-7-00 Completed 11-7-00

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 11-8-00
and
Driller or Operator Ronald Elsing Date 11-8-00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

Sec 36
Permit 76202 IDAHO DEPARTMENT OF WATER RESOURCES
App 86443 **WELL DRILLER'S REPORT**

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016148
DRILLING PERMIT NO. ____-____-____-____-____
Other IDWR No. _____

2. OWNER:
Name John & Julie Miller
Address 1337 East 400 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 8, ____ (10 acres) 1/4 NW (40 acres) 1/4 NW (160 acres) 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
1337 East 400 South City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	20	6 S	Poured
Overbore to seal depth				

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 279 ft.
Was drive shoe seal tested? ☒ Y ☐ N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	279	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
213 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	3	Topsoil		X
	3	98	Gray basalt		X
	98	109	Brown ash & cinders		X
	109	116	Gray basalt		X
	116	120	Cinders		X
	120	141	Fractured gray basalt		X
	141	188	Gray basalt		X
	188	191	Cinders		X
	191	202	Fractured gray basalt	X	
	202	205	Brown ash & cinders	X	
	205	218	Fractured gray basalt	X	
	218	227	Cinders	X	
	227	240	Fractured basalt	X	
	240	243	Gray basalt		X
	243	260	Brown sand		X
	260	279	Gray basalt		X
6"	279	284	Gray basalt		X
	284	330	Fractured gray basalt	X	

RECEIVED
OCT 27 2000
Department of Water Resources
Southern Region
RECEIVED
OCT 31 2000
Department of Water Resources

Completed Depth 330 ft. (Measurable)
Date: Started 10-23-00 Completed 10-24-00

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Gerald Elsing Date 10-25-00
and
Driller or Operator Craig Egan Date 10-25-00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

Basin 36
Permit 767202
APP 864443

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016148
DRILLING PERMIT NO. ___-___-___-___-___
Other IDWR No. _____

2. OWNER:
Name John & Julie Miller
Address 1337 East 400 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 8, ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
1337 East 400 South City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	20	6 S	Poured
Overbore to				
seal depth				

Was drive shoe used? ☒Y ☐ N Shoe Depth(s) 279 ft.
Was drive shoe seal tested? ☒ Y☐ N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	279	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
213 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	3	Topsoil		x
	3	98	Gray basalt		x
	98	109	Brown ash & cinders		x
	109	116	Gray basalt		x
	116	120	Cinders		x
	120	141	Fractured gray basalt		x
	141	188	Gray basalt		x
	188	191	Cinders		x
	191	202	Fractured gray basalt	x	
	202	205	Brown ash & cinders	x	
	205	218	Fractured gray basalt	x	
	218	227	Cinders	x	
	227	240	Fractured basalt	x	
	240	243	Gray basalt		x
	243	260	Brown sand		x
	260	279	Gray basalt		x
6"	279	284	Gray basalt		x
	284	330	Fractured gray basalt	x	

RECEIVED
OCT 27 2000
Department of Water Resource
Southern Region

RECEIVED
OCT 31 2000
Department of Water Resources

Completed Depth 330 ft. (Measurable)
Date: Started 10-23-00 Completed 10-24-00

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 10-25-00
and
Driller or Operator Craig Egan Date 10-25-00
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

4744

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
Rec'd _____, 19____
Well No. _____
Permit No. G23895

(DO NOT FILL IN)

Owner Lloyd Miller Address ~~G. & H. Drilling~~

Driller _____ Address R. #2, Wendell, Idaho Lic. No. _____

Location of Well: NE ¼ NE ¼ Sec. 35, T. 8 N/S, R. 18 E/W Jerome County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole _____ Total depth of Well _____

Give depth of standing water from surface 225' Water Temp. _____ °Farenheit

On pumping test delivery was 1 g.p.m. or _____ c.f.s. Drawdown was 10 feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was _____ hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for _____ Weight of casing per linear foot _____

Thickness of casing _____ Casing material _____
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing _____
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well _____ Date of completion of well _____

Type of well rig _____

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

NENE S.35 T8S R18E

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
	4	Top Soil				
4	20	Gray Rock broken				
20	25	Pinkish Rock				
25	55	Gray Rock				
55	90	Red Porse Rock				
90	105	Red Rock				
105	110	Gray Rock				
110	120	Red Rock				
120	165	Gray Rock hard				
165	175	Red Sand				
175	200	Brown Rock broken				
200	210	Gray Rock				
210	225	Brown Rock				
225	230	Gray Rock Water			Yes	
230	235	Red Rock broken				
235	245	Gray Rock broken				
245	263	Red Rock and some clay				
263	280	Gray Rock, water			Yes	
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed G & H. Drilling

By Chas. E. George
Route #2, Wendell, Idaho

License No. _____

Dated _____, 19____.

47446

SHEET NO. 2

Well Driller G. & H. Drilling

Well Location NE¼NE¼, 35-8S-18E.

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
280	300	Hard Gray Rock				
300	310	Red Rock - water			Yes	
310	325	Red Rock				

well.

NENE S.35 8S 18E

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D
DRILLING PERMIT NO. 808621
Water Right or Injection Well No. App 880062; ID 379415

2. OWNER:
Name Monte Miller
Address 1270 Sunburst
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33, ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
214 Soutn 800 East City Jerome
(Give N least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	240	70 S	Poured

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1		.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
239 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			ABANDONMENT		
			Old well was pumping dry and had 1 ft. casing above ground inside of a building. Well measured 240 ft. deep. 70 sacks of bentonite filled the well from 240 to 0 and a well seal was placed on top of the casing.		

RECEIVED
NOV 18 2003
Department of Water Resources
Southern Region

Completed Depth ____ (Measurable)
Date: Started 10-20-03 Completed 10-20-03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 11-5-03
and
Driller or Operator II Craig Egan Date 11-5-03
Operator I Lloyd Hayes Date 11-5-03
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Basin 36 App 87702 ID 802698 ID 373600

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

CA

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023732
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Monte Miller
Address 1270 Sunburst
City Twin Falls State ID Zip 83301

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33 ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
214 South 800 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	20	3 S	Poured

Was drive shoe used? ☒Y ☐N Shoe Depth(s) 320 ft.
Was drive shoe seal tested? ☒Y ☐N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	320	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method Knife
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
280	300	1/8 x 3	6 R	6"	Steel	☒	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
239 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	5	Topsoil		x
	5	53	Gray basalt		x
	53	86	Fractured gray basalt		x
	86	90	Brown ash & cinders		x
	90	189	Fractured gray basalt		x
	189	212	Brown ash & cinders		x
	212	258	Gray basalt	x	
	258	320	Fractured gray basalt	x	

RECEIVED
JUN 09 2003
Department of Water Resources
Southern Region

Completed Depth 320 ft. (Measurable)
Date: Started 5-29-03 Completed 5-30-03

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed..

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 6-5-03
and
Driller or Operator II Craig Egan Date 6-5-03
Operator I Lloyd Hayden Date 6-5-03
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

gB.

1. WELL OWNER

Name AJ MONK

Address Bohl

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	6 inches +	1 feet	83 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

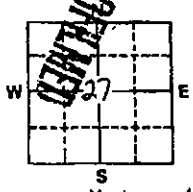
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 83 Material used in seal: ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County TWIN Falls

NE ¼ NW ¼ Sec. 27, T. 9 N/S, R. 14 E/W.

7. WATER LEVEL

Static water level 80 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☒ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 73513

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	40	Sand + Gravel		✓
	40	45	Brown Clay		✓
	45	83	Sand Gravel	✓	
	83	165	Gray lava	✓	
	165	195	Brow Sand Stone	✓	
	195	205	Sand Gravel	✓	

RECEIVED
MAY 20 1982
Department of Water Resources
Southern District Office

RECEIVED
MAY 27 1982
Department of Water Resources

10. Work started Sept 22 finished Sept 24-81

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C B Eaton Firm No. 26

Address Wendell Ida Date 5-13-82

Signed by (Firm Official) James Eaton
and
(Operator) [signature]

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

E-10

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Marvey Myers

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	6 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

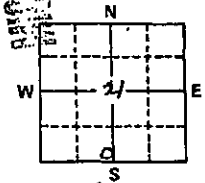
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SW ¼ Sec. 21, T. 8 ☒S, R. 18 ☒E.

7. WATER LEVEL

Static water level 22.0 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☒ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

86151

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	1	Top Soil		X
	1	8	Gray lava		X
	19	46	" "		X
	44	55	Red lava		X
	55	96	Gray lava		X
	96	105	Red lava		X
	105	140	Gray lava		X
	140	275	No Returns	X	
	190	205	Loose + Broken		

RECEIVED
JUN 26 1981
Department of Water Resources
Southern District Office

RECEIVED
JUL 2 1981
Department of Water Resources

10.

c/o dl

Work started Feb-18 finished Feb 23-80

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C B Exton Firm No. 16
Address Wendell Ida Date 6-18-80
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Russell Nelson

Address 256 S Eder Rd Jerome

Drilling Permit No. 36-93-S-0065-001

Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☑ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

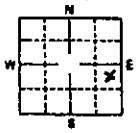
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth ____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site Same
(give at least name of road)

NE ¼ SE ¼ Sec. 34, T. 8 N ☐ or S ☒, R. 19 E ☒ or W ☐

7. WATER LEVEL

Static water level 170 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

103960

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
4"	190	195	Silt		X
	195	211	Grey Scoria	X	
	211	221	Grey basalt		X
	221	224	Red Sand ?	X	
	224	230	Grey basalt	X	

RECEIVED
APR 09 1993
Department of Water Resources
Southern Region Office

10.

Work started 13 Mar finished 18 Mar 1993

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Montpelier ID Date 4 April 1993
Signed by Drilling Supervisor Blaine Boley
and
(Operator) Blaine Boley
(If different than the Drilling Supervisor)

RECEIVED
AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

RECEIVED
Department of Reclamation

Log No.
Rec. , 19
Well No.
Permit No. 47435

(DO NOT FILL IN)

Owner NORTH SIDE CANAL CO. Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: NE ¼ NE ¼ Sec. 16, T. 8 N/S, R. 18 E/W JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6¼" Total depth of Well 281'

Give depth of standing water from surface 238' Water Temp. °Farenheit

On pumping test delivery was 15 g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was 1 hr., minutes.

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot 12.9

Thickness of casing 3/16" Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6 5/8" O.D, 10' 3", FROM 0 TO 10' 3"
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 10-29-57 Date of completion of well 11-11-57

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6 5/8 O.D	0	10' 3"	10' 3"	GROUTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

NENE S.16 8S 18E

57

WELL LOG

From Feet	To Feet	Type of Material			Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	7	CLAY						
7	22	LAVA	GRAY	HARD, CREVASSE	12'			
22	25	LAVA	BROWN	SOFT "	20'			
25	28	LAVA	GRAY	HARD				
28	40	LAVA	BROWN	MEDIUM - POROUS				
40	50	LAVA	GRAY	MEDIUM CREVASSE	50'			
50	60	LAVA	GRAY	HARD				
60	68	LAVA	BROWN	MEDIUM				
68	85	LAVA	GRAY	HARD	CREVASSE	84-85		
85	90	NO CUTTING		MEDIUM - POROUS				
90	92	" "	RED	MEDIUM	CREVASSE			
92	100	" "		MEDIUM	"	99-100		
100	104	LAVA	RED	SOFT				
104	115	NO CUTTINGS	RED	MEDIUM	CREVASSE	115		
115	122	NO CUTTINGS		MEDIUM	CREVASSE	122'		
122	128	LAVA	BROWN	MEDIUM				
128	145	LAVA	GRAY	HARD				
145	150	LAVA	GRAY	MEDIUM				
		If more space is required use Sheet No. 2						

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated FEBRUARY 10, 19 58

SHEET NO. 2

Well Driller J. EMMETT SMITH, INC.

Well Location MAIN & L CANALS - JEROME COUN.

47136

WELL LOG 8-18E-16BBB

From Feet	To Feet	Type of Material			Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
150	159	CLAY-SAND	SMALL ROCK				YES	
159	182	LAVA	GRAY	HARD (WATER BALED OUT)				
182	195	LAVA	GRAY	HRAD				
195	203	LAVA	BROWN	MEDIUM FALLING ROCK				
203	238	LAVA	GRAY	HARD				
238	243	LAVA	RED	LOOSE ROCK	MEDIUM		YES	
243	257	LAVA	GRAY	SOFT - CAVING				
257	265	LAVA	GRAY	MEDIUM				
265	275	LAVA	GRAY	HARD				
275	281	LAVA	GRAY	SOFT - LOST CUTTINGS, WATER CLEARED UP				

NENE S.16 8S 18E

57

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
AUG 7 1975
Department of Water Resources

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Northside Canel Co.

Address Jerome, Idaho

Owner's Permit No.

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 5 inches Total depth 345 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
inches	inches	+ feet	feet
☒ .188 inches	5 9/190 inches	+1 feet	-294 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel

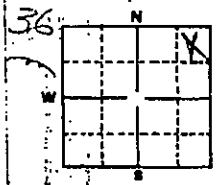
Placed from feet to feet

Surface seal depth OLD HOLE WAS Material used in seal ☐ Cement grout ☐ Puddling clay ☐ Well cuttings

Seating procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County Jerome

NE ¼ NE ¼ Sec. 16, T. 8S N/S, R. 18E E/W

7. WATER LEVEL

Static water level 257 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
Approx.	none	1

36873

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	281	OLD HOLE		
	281	290	Gray Broken Lava		X
6/5	290	302	Gray Medium Hard Lava		X
5	302	345	Gray Med Hard Lava w/small Streaks	X	

10.

Work started 6/23/75 finished 7/7/75

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 7/24/75

Signed by (Firm Official) J. Bennett Smith

and

(Operator) J. Bennett Smith

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

RECEIVED
JUN 20 1977
Department of Water Resources
Southern Idaho District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Glen Parson

Address RR 4, Jerome, ID

Owner's Permit No. 36-7609 W R

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16 inches Total depth 245 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	20 inches	+1 feet	9 feet
.250 inches	16 inches	+1 feet	129 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number		From	To
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet
____	perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name ____

Type ____ Model No. ____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Diameter ____ Slot size ____ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel ____

Placed from ____ feet to ____ feet

Surface seal depth 9 Material used in seal ☒ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location (30)

N / W / E / S

Subdivision Name ____

Lot No. ____ Block No. ____

County Jerome

SE ¼ SE ¼ Sec. 27, T. 8 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 150 feet below land surface Public

Flowing? ☐ Yes ☒ No G.P.M. flow ____

Temperature 52 ° F. Quality Good

Artesian closed-in pressure ____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

No test

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 36878

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20	0	1	Topsoil		
	1	3	Broken gray basalt		
	3	32	Firm gray basalt		
	32	36	Broken gray basalt		
	36	48	Firm gray basalt		
	48	62	Hard gray basalt		
	62	65	Broken gray basalt-cind	X	
	65	74	Broken gray basalt and brown clay		
	74	80	Brown clay		
	80	86	Broken basalt-clay seams		
	86	89	Firm gray basalt		
	89	120	Light brown clay		
	120	126	Broken gray basalt		
16	126	134	Firm gray basalt		
	134	143	Broken gray basalt & red cinders		
	143	147	Gray basalt boulders		
	147	160	Broken gray basalt and red cinders	X	
	160	164	Broken gray basalt	X	
	164	168	Firm gray basalt		
	168	180	Broken gray basalt	X	
	180	198	Firm gray basalt		
	198	200	Broken gray basalt	X	
	200	228	Hard gray basalt		
	228	245	Broken gray basalt and red cinders	X	
	245		Firm gray basalt		

W drive gravel

10.

Work started 5/10/77 finished 7/8/77

11. DRILLERS CERTIFICATION

Firm Name Alexander Drilling Co. Firm No. 127

Address 510-13 St., Rupert, ID Date 7/14/77

Signed by (Firm Official) J H Alexander

and

(Operator) ____

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

47447

RECEIVED
JUN 2 61959
Department of Reclamation

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
Rec. _____ 19 _____
Well No. _____
Permit No. _____

(DO NOT FILL IN)

Owner PAUL CONWAY Address HAZELTON, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: ~~1/4~~ EAST 1/2 ~~1/4~~ Sec. 36, T. 8 ~~N~~/S, R. 18 ~~E~~/W JEROME County,

and _____ feet N/S, and _____ feet E/W from _____ Corner of _____ ¼ _____ ¼ Sec. _____

Size of Drilled Hole 20" TO 267' 12" FROM 267' TO 308' Total depth of Well 308'

Give depth of standing water from surface 210' Water Temp. _____ °Farenheit

On pumping test delivery was 1500 g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make the test _____

Length of time pumped during check was 1 hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for IRRIGATION Weight of casing per linear foot 72.38

Thickness of casing 5/16" Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 22", 13' 8", FROM 3' 3" ABOVE GROUND LEVEL TO 10' 5" BELOW GROUND LEVEL
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well 2-7-59 Date of completion of well 3-25-59

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
22"	3' 3" ABOVE GROUND LEVEL	10' 5" BELOW GROUND LEVEL	13' 8"	DRIVEN IN WITH DRIVE SHOE

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

E² S. 36 T5 18E

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	7	TOP SOIL & CLAY				
7	9	LOOSE LAVA GRAY				
9	11	LAVA GRAY				
11	41	CREVICE & LAVA.. GRAY				
41	51	LAVA GRAY				
51	73	LAVA, CREVICES & 1 SEAM PINKISH-GRAY				
73	89	LAVA LOOSE RED				
89	98	LAVA GRAY				
98	116	LAVA - LOOSE GRAY				
116	136	LAVA - LOOSE GRAY				
136	146	CLAY BROWN				
146	179	LAVA LOOSE GRAY				
179	190	LAVA BURNT RED LOOSE				
190	198	LAVA LOOSE, CREVICE GRAY				
198	210	LAVA PINKISH-GRAY				YES AT 210'
210	234	LAVA GRAY SEEPS OF WATER				
234	240	LOOSE LAVA PINK TOOK AWAY CUTTINGS				
240	248	LAVA PINK	-	-		
		If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated MARCH 27, 19 59

47448

SHEET NO. 2

Well Driller J. EMMETT SMITH, INC.

Well Location HAZELTON, IDAHO

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
248	251	LOOSE LAVA, CLAY & RED SAND				
251	267	LAVA GRAY				
267	279	LAVA GRAY				
279	291	LAVA PINK				
291	300	LAVA GRAY				
300	308	LOOSE LAVA TOOK AWAY CUTTINGS				

E ½ S. 36 8S 18E

Form 238-7 App 887088

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Offical Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D -

DRILLING PERMIT NO 829869

Other IDWR No. 829869

2. OWNER

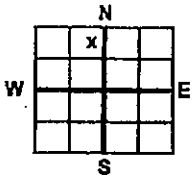
Name Pennington, Ross & Stella

Address 366 S 300 E

City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location



Twp. 9 ☐ North or ☑ South

Rge. 18 ☑ East or ☐ West

Sec. 11 NE 1/4 NE 1/4 NW 1/4

Gov't Lot ____ County Jerome

Lat: : : Long: : :

Address of Well Site 1317 Highway 25

City Eden

(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. USE:

☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (replacement ect.)

☐ New Well ☐ Modify ☑ Abandonment ☐ Other ____

6. DRILL METHOD

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
Bent	-4	222	2,500 lbs	
Sackrete	-3	4	1 sack	

Was drive shoe used? ☐ Y ☐ N Shoe depth(s) ____

Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS

Perforations Methods ____

Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

____ ft below ground Artesian pressure ____

depth flow encountered ____ ft. Describe access port or control devices ____

11. WELL TESTS:

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____

Water Quality test or comments: ____

Depth first water encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	0	222	Well Abandonment		

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MAR 17 2005

Department of Water Resources
Southern Region

Completed depth ____ ft. (measurable)

Date: Started February 28, 2005 Completed February 28, 2005

13. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name WALKER WATER SYSTEMS Firm No. 15

624 PIERCE ST. TWIN FALLS, ID 83301

Firm Offical Lud Walk Date 3/9/05

and

Driller or Operator ____ Date ____

(Sign once if Firm Offical & Operator)

Form 238-7
11/97

App 887066 IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Offical Use Only
Inspected by
Twp ___ Rge ___ Sec ___
___ 1/4 ___ 1/4 ___ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D - 0034677
DRILLING PERMIT NO 829782
Other IDWR No.

2. OWNER
Name Pennington, Ross & Stella
Address 366 S 300 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location

N / W / E / S

Twp. 9 ☐ North or ☑ South
Rge. 18 ☑ East or ☐ West
Sec. 11 NE 1/4 NE 1/4 NW 1/4
Gov't Lot ___ County Jerome
Lat: : : Long: : :
Address of Well Site 1317 Highway 25
City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. ___ Blk. ___ Sub. Name ___

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ___

5. TYPE OF WORK check all that apply (replacement ect.)
☐ New Well ☐ Modify ☐ Abandonment ☑ Other Replacement

6. DRILL METHOD
☑ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ___

7. SEALING PROCEDURES

Seal/Filter Pack			Amount	Method
Material	From	To	Sacks or Pounds	
Bent	0	238	950 lbs	Dry Pour

Was drive shoe used? ☐ Y ☑ N Shoe depth(s) ___
Was drive shoe seal tested? ☐ Y ☑ N How? ___

8. CASING/LINER

Dia.	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8	+1	238	250	steel	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ___ Length of Tailpipe ___

9. PERFORATIONS/SCREENS
Perforations Methods ___
Screens Screen Type ___

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
216 ft below ground Artesian pressure ___
depth flow encountered ___ ft. Describe access port
or control devices well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gpm	Drawdown	Pumping Level	Time
± 20 - 30			

Water Temp. 56 Bottom hole temp. ___
Water Quality test or comments: ___
Depth first water encounter ___

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	4	surface		
	4	22	grey basalt		
	22	39	brown/gey basalt		
	39	35	brown basalt		
	55	88	grey brown basalt		
	88	92	softer brown basalt		
	92	94	fracture		
	94	112	brown basalt		
	112	115	broken lost circulation		
	115	128	solid		
	128	137	broken caving		
	137	167	solid		
	167	170	broken		
	170	215	solid		
	215	222	fracture	T	
	222	226	broken caving	T	
	226	238	solid		
6	238	255	grey basalt		
	255	261	brown w/talc	X	
	261	274	grey basalt		
	274	295	broken	X	

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MAR 17 2005
Department of Water Resources
Southern Region

Completed depth 295 ft. (measurable)
Date: Started February 17, 2005 Completed February 23, 2005

13. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name WALKER WATER SYSTEMS Firm No. 15
624 PIERCE ST. TWIN FALLS, ID 83301
Firm Offical Ted Walk Date 3/9/05
and
Driller or Operator ___ Date ___
(Sign once if Firm Offical & Operator)

Form 238-7
4-92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
FEB 24 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name Christopher Phillips
Address 250 S Eden Dr Jerome Id.
Drilling Permit No. 36-93-S-0079-001
Water Right Permit No. _____

2. NATURE OF WORK
☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE
☑ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☑ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION
Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches	+ _____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

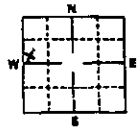
Well screen installed? ☐ Yes ☐ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth ____ Material used in seal: ☐ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site 52 W 5 E
(give at least name of road)
SW ¼ NW ¼ Sec. 35, T. 8 N ☐ or S ☒, R. 19 E ☒ or W ☐

7. WATER LEVEL
Static water level 176 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	176	½

9. LITHOLOGIC LOG 103961

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	185	192	Sindue	X	
	192	197	Basalt		X
	197	205	Sand	X	
	205	220	Gray basalt	X	
			lost 75% cuttings		

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FEB 22 1993
Department of Water Resources
Southern Region Office

10.
Work started 12 finished 15 Feb 1993

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Driller Name Bobby Henry Firm No. 86
Address Mountain Id Date 15 Feb 1993
Signed by Drilling Supervisor Blaine Bobby
and
(Operator) _____
(if different than the Drilling Supervisor)

RESUBMITTED AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

App 887603

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. 831928; ID 402522; App 887663
Water Right or Injection Well No. _____

2. OWNER: Walt F. Prentiss
Name %Rex Studyvin
Address 308 South 800 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33 ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot _____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
304-A South 800 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	234	+8"	130 S	Poured

Was drive shoe used? ☐Y ☐N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☐N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐Y ☐N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method _____
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
230 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
_____ Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			ABANDONMENT		
6"			Old well had pumped dry & was replaced. The old well was filled with 130 Sacks of bentonite from 234' to +8" top of casing.		

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Department of Water Resources
Southern Region

Completed Depth _____ (Measurable)
Date: Started 3-28-05 Completed 3-29-05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 3-30-05
and
Driller or Operator II _____ Date _____
Operator I _____ Date 3-30-05
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

App 8074453

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. **WELL TAG NO.** D 0003476 3
DRILLING PERMIT NO. 83 1313
Water Right or Injection Well No.

2. **OWNER:**
Name Walt F. Frantiss
Address 3085 800E
City Jerome State Id Zip 83338

3. **LOCATION OF WELL by legal description:**
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 S North ☐ or South ☑
Rge. 18 East ☑ or West ☐
Sec. 33, ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 3085 800 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. **USE:**
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. **TYPE OF WORK** check all that apply
☐ New Well ☐ Modify ☐ Abandonment ☑ Other (Replacement etc.) Replacement

6. **DRILL METHOD:**
☑ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. **SEALING PROCEDURES**

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite chips	20	3	45 sacks	Pour

Was drive shoe used? ☑ Y ☐ N Shoe Depth(s) 260
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. **CASING/LINER:**

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8	+2	260	.250	Steel	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

9. **PERFORATIONS/SCREENS PACKER TYPE**
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. **FILTER PACK**

Filter Material	From	To	Weight / Volume	Placement Method

11. **STATIC WATER LEVEL OR ARTESIAN PRESSURE:**
240 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. **WELL TESTS:**
☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
Lost Circ		330	1 Hr

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered 238

13. **LITHOLOGIC LOG:** (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	6	Top Soil		
	6	63	Gray Lava		
	63	71	Lost Circ - Fracture		
	71	83	Broken		
	83	156	Hard		
	156	171	Fractured		
	171	225	Hard		
	225	247	Fractured		
	247	291	Hard		
	291	298	Fractured		
	298	305	Hard		
	305	312	Fractured		
	312	340	Hard		

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APR 04 2005
Department of Water Resources
Southern Region

Completed Depth ____ (Measurable)
Date: Started 3-17-05 Completed 3-30-05

14. **DRILLER'S CERTIFICATION**
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name AK Drilling Inc. Firm No. 611
Principal Driller Robert A Stone Date 3-30-05
and
Driller or Operator II ____ Date ____
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023984
DRILLING PERMIT NO. 813306; App 881969, ID 384012
Water Right or Injection Well No.

2. OWNER: Presco LLC
Name DBA Prescott Land & Livestock
Address 110 North 800 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☐ or West ☐
Sec. 9, NE 1/4 (10 acres) NW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
175 North 875 East (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	20	4 S	Poured

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 258
Was drive shoe seal tested? ☒ Y ☐ N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	258	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☐ N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
294 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	2	Topsoil		x
	2	39	Gray basalt		x
	39	45	Brown ash & cinders		x
	45	98	Fractured gray basalt		x
	98	106	Brown sandy clay		x
	106	150	Fractured gray basalt		x
	150	162	Cinders, lost circulation		x
	162	169	Soft, ash		x
	169	230	Fractured gray basalt		x
	230	241	Brown basalt		x
	241	258	Gray basalt		x
6"	258	291	Gray basalt		x
	291	355	Fractured, cinder beds	x	
			Actual bore hole diameter is 8-3/4" and 6-1/8"		

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APR 21 2004
Department of Water Resources

Completed Depth 355 ft. (Measurable)
Date: Started 4-19-04 Completed 4-19-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 4-20-04
and
Driller or Operator II Craig Egan Date 4-20-04
Operator I Lloyd Hayden Date 4-20-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

47441

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FEB 1 1966
Department of Reclamation

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

9-30332

Permit No. 9-30774 Well No. _____ County JEROME

Owner THOMAS PRESCOTT

Address 800 EAST A. JEROME, IDAHO

Driller SMITH DRILLING & PUMP CO. INC. (.S.H. ROBBINS)

Address 365 WEST MAIN JEROME, IDAHO

Well location N.W. ¼ [illegible] ¼ Sec. 17, T. 8 So. N/S, R. 18 E E/W

Size of drilled hole 19 ½ "

Total depth of well 515

Locate well in section

NW¼ ✓	NE¼
SW¼	SE¼

Give depth to standing water from the ground 366 Water temp. _____ °Fahr.

On "Pumping Test" delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet.

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Irrigation Weight of casing per lineal foot 39.30

Thickness of casing .188 Casing material STEEL (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 20" O.D. 6' LONG, STANDS 1' ABOVE GROUND (CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
				6 FEET 20" O.D. CASING STANDS 1 FOOT ABOVE GROUND.
				ONE YARD OF CONCRETE

Number and size of perforations _____ located _____ feet to _____ feet from ground

Date of commencement of well 5/1/64 Date of completion of well 8/3/64

NWNW 5.17 8S, 18E

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	4	Top soil ,hard pan, loose lava		
4	11	Cracked and loose		
11	17	Lava semisolid		
17	66	Loose lava and crevices		
66	112	Lava , grey color		
112	197	Cracked loose lava, pinkish grey		
197	246	Cracks,crevices, loose lava		
246	252	Lava, brown color, hard		
252	266	Lava, pinkish grey, hard		
266	311	Crevice, loose lava, cracked		
311	317	Loose lava, clay color		
317	363	Lava, grey color, hard		
363	367	Loose lava, pink		
367	399	Lava, drip of water at 371'		
399	402	Lava, pinkish grey		
402	437	Lava, grey color,hard		
437	441	Loose lava, red		
441	448	Cracked lava, some loose		
448	485	Lava , grey, hard		

If more space is required use Sheet No. 2

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed SMITH DRILLING & PUMP CO. INC.

By J. Emmett Smith

License No. 11

Dated 1-27, 1966

474

SHEET NO. 2

Well Driller SMITH DRILLING & PUMP JEROME, IDAHO

Well Location [illegible]

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
485	488	Lava, grey color, small seams				
488	495	Lava, grey color, hard				
495	505	Lava, pinkish grey				
505	515	Cracked loose lava, red				

[illegible]

NWNW 5.17 8S 18E

RECEIVED

JUN 7 19

REPORT OF WELL DRILLER
State of Idaho

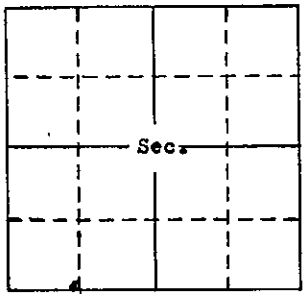
State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

Department of Reclamation

WELL OWNER:
Name Gene Randall
Address Twin Falls, Ida.

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☑ Deepened ☐ Abandoned ☐
Water is to be used for: domestic
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☑
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☐
6 5/8" Diam. from 0 ft. to 6 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: Material:
Steel ☐ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☐ No ☐ Type of perforator used:
Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐ No. ☐ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal:
Did any strata contain unusable water? Yes ☐
No. ☑ Type of water:
Depth of strata ft. Method of sealing strata off:
Surface casing used? Yes ☑ No. ☐
Cemented in place? Yes ☑ No ☐

Locate well in section



LOCATION OF WELL: County Twin Falls
SW¼ SW¼ Sec. 4 T. 9 N/S R. 18 E/W

Size of drilled hole: 6" Total depth of well: 220' Standing water level below ground: 160 Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:
Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	4	top soil	
4	16	black lava	
16	22	black lava	
22	25	cinders	
25	30	gray lava	
30	40	red lava	
40	50	red lava	
50	57	red lava	
57	75	gray lava (hard)	
75	85	red lava	
85	100	red lava	
100	110	red lava	
110	118	gray lava	
118	123	red lava	
123	130	gray lava (hard)	
130	140	gray lava (hard)	
140	144	gray lava (hard)	
144	150	brown lava	
150	156	brown lava	
156	160	gray lava (hard)	
160	170	gray lava (hard)	
170	173	gray lava (hard)	
173	180	black lava (medium hard)	
180	190	gray lava	
190	200	black lava (water bearing)	
200	205	black lava (water bearing)	
205	220	clay, gravel	

050362

Work started: Mar 12 - 1968
Work finished: Mar. 22 - 1968
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: James N. Moore
Address: Twin Falls, Ida.
Signed by: James N. Moore
License No. 81 Date: 6-5-68

Use other side for additional remarks

USGS

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

RECEIVED
FEB 18 1971
Department of Water Administration

1. WELL OWNER

Name Louis REITZ

Address Route 4, Jerome, Idaho

Owner's Permit No.

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 & 5 inches Total depth 253 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
XX inches	6 5/8 inches	feet	207 feet
.250 inches	5 5/8 inches	207 feet	253 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☒ No Size of gravel

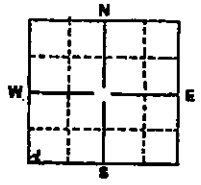
Placed from feet to feet

Surface seal? ☒ Yes ☐ No To what depth 18' feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County JEROME

SW ¼ SW ¼ Sec. 35 T. 8S N/S, R. 19 E/W

7. WATER LEVEL

Static water level 172 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
Approx. 5gpm	None	1

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	202	OLD HOLE		
6	202	207	Lava Gray Hard		
5	207	215	Lava Gray Hard		
	215	222	Loose Lava Trace Sand & Clay		
	222	248	Lava Gray Hard		
	248	253	Pink Cinders		

100451

10.

Work started 1/21/71 finished 2/3/71

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

SMITH DRILLING & PUMP CO., INC. 11
Driller's or Firm's Name Number

365 West Main Jerome, Idaho 83338
Address

D. H. Robbins 2-17-71
Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

RECEIVED
SEP 6 1968
Department of Reclamation

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name T. C. Robison
Address Route 4 Jerome Idaho

Owner's Permit No. G-29287
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Irrigation

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other ☐ (explain)

CASING SCHEDULE: Threaded ☐ Welded ☒
24 "Diam. from 0 ft. to 8 ft.
____ "Diam. from ____ ft. to ____ ft.
____ "Diam. from ____ ft. to ____ ft.
____ "Diam. from ____ ft. to ____ ft.
Thickness of casing: .250 Material:
Steel ☒ concrete ☐ wood ☐ other ☐ (explain)

PERFORATED? Yes ☐ No ☒ Type of perforator used:

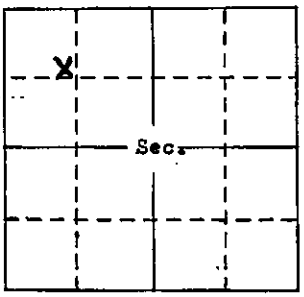
Size of perforations: ____ " by ____ "
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

CONSTRUCTION: Well gravel packed? Yes ☐ No. ☐ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☐ No ☐ To what depth? ft. Material used in seal:

Did any strata contain unusable water? Yes ☐
No. ☒ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☒ No ☐

Locate well in section



LOCATION OF WELL: County Jerome
NW ¼ NW ¼ Sec. 32 T. 8 N/S R. 19 E/W

Use other side for additional remarks

Size of drilled hole: 20" Total depth of well: 295 Standing water level below ground: 227 Temp. Fahr. ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:

Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL	WATER YES OR NO
0	5	Top Soil	
5	15	Solid Lava	
15	30	solid Lava Very Hard	
30	50	Broken Lava blakk	
50	70	Red Lava soft	
70	140	Broken Lava	
140	160	Red Clay	
160	180	Black Lava Broken	
180	200	Red Lava Soft	
200	220	Hard Black Lava	
220	227	Hard Grey Lava	
227	295	Black Porous Lava	yes

Work started: May 15, 1968
Work finished: July 10, 1968

Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: Paul Vollmer & Son
Address: Aberdeen, Idaho
Signed by: Paul Vollmer Jr.
License No. 67 Date: Sept 4, 1968

Form 238-7
·73

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED JUL 27 1979 Department of Water Resources Southern District Office

RECEIVED JUN 12 1979 Department of Water Resources Southern District Office

RECEIVED JUL 5 1979 Department of Water Resources Southern District Office

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name C.O. Romer

Address Rt. 4 Jerome, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☑ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☑ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☑ Cement grout ☐ Puddling clay ☑ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☑ Overbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port well Seal

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NE ¼ NW ¼ Sec. 7, T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 195 feet below land surface
Flowing? ☐ Yes ☑ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
20	195	½

9. LITHOLOGIC LOG 106C93

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	7	Brown Sandy clay		X
	7	9	Hard Coal		
	9	26	Grey basalt		
	26	35	Brown Scoria		
	35	46	Grey basalt		
	46	81	Brown Scoria		
	81	90	Grey basalt		
	90	95	Brown Scoria		
	95	120	Cinders + brown clay		
	120	130	Brown Scoria		
	130	140	Brown clay		
	140	158	Grey + brown Scoria		
	158	185	Grey basalt		
	185	213	Red cinders		
	213	217	Brown Scoria	X	
	217	222	Black Scoria	X	
	222	230	Brown Sandy clay		X
	230	245	Black Scoria	X	
	245	255	Brown Scoria	X	

10. Work started 18 Oct 1978 finished 28 Oct 1978

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Bailey + Harvey Firm No. 86
Address Murtaugh, Idaho Date 1 May 1979
Signed by (Firm Official) Blaine Bailey Jr.
and
(Operator) Guy Welch

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D ____
DRILLING PERMIT NO. 814388; ID 385073; App 882381
Water Right or Injection Well No. ____

2. OWNER:
Name Roost Potato Co.
Address 1440 East 750 South
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 20, ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site ____
697 South 1372 East City Eden
(Give all legal name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	280	-1	106 S	Poured
Cement	-1	0		Poured

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
275 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			ABANDONMENT		
6"			Old well was pumping dry		
			and was flush with ground.		
			It was filled with 106 sacks		
			of bentonite from 280 ft.		
			to a -1 ft. A 1 ft cement		
			plug was placed on top of		
			bentonite.		

RECEIVED
MAY 07 2004
Department of Water Resources
Southern Region

Completed Depth ____ (Measurable)
Date: Started 5-4-04 Completed 5-4-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 5-6-04
and
Driller or Operator II ____ Date ____
Operator I Michael Barnes Date 5-6-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030304
DRILLING PERMIT NO. 813783; ID 384481; App 882157
Water Right or Injection Well No.

2. OWNER:
Name Roost Potato Co.
Address 1440 East 750 South
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 19 East ☐ or West ☐
Sec. 20 ____ 1/4 (10 acres) SW 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
697 South 1372 East City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	38	5 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s)
Was drive shoe seal tested? ☐Y ☒N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	38	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
203 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	27	Topsoil		x
	27	38	Grey basalt		x
6"	38	63	Gray basalt		x
	63	132	Fractured gray basalt		x
	132	140	Brown basalt		x
	140	183	Gray basalt		x
	183	209	Brown basalt		x
	209	305	Lost circulation, fractured cinder beds	x	
			Actual bore hole diameter is 8-3/4" and 6-1/8"		

RECEIVED
MAY 06 2004
Department of Water Resources
Southern Region

Completed Depth 305 ft. (Measurable)
Date: Started 4-29-04 Completed 4-29-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 5-4-04
and
Driller or Operator II Craig Egan Date 5-4-04
Operator I Lloyd Hayden Date 5-4-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

App 888544

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0036553
DRILLING PERMIT NO. 833253
Other IDWR No.

2. OWNER:
Name Roth Family Limited Partnership
Address 579 S 800 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

per Penny @ Eaton

Twp. 9 South [X]
Rge. 18 East [X]
Sec. 25 SE 1/4 SW 1/4 SW 1/4
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 582 E 400 S City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
[X] Domestic [ ] Municipal [ ] Monitor [ ] Irrigation
[ ] Thermal [ ] Injection [ ] Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
[ ] New Well [ ] Modify [ ] Abandonment [X] Other replacement

6. DRILL METHOD:
[X] Air Rotary [ ] Cable [ ] Mud Rotary [ ] Other CA

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	24	300 lbs	dry pour

Was drive shoe used? [ ] Y [X] N Shoe Depth(s)
Was drive shoe seal tested? [ ] Y [X] N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	1	108	.250	steel	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Length of Headpipe 1' Length of Tailpipe

9. PERFORATIONS/SCREENS:
[ ] Perforations Method
[ ] Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
198 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20+			

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments:
Depth first Water Encounter 206

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	2	top soil		
8	2	19	black lava		
8	19	44	black lava		
8	44	51	medium hard lava		
8	51	93	black lava		
8	93	98	brown clay & broken lava		
8	98	108	gravel		
6	108	137	black lava		
6	137	147	red ash		
6	147	159	brown clay & ash		
6	159	171	black lava		
6	171	174	broken & cinders		
6	174	202	black lava		
6	202	206	medium hard & breaks	X	
6	206	211	medium hard black lava		
6	211	237	black lava		
6	237		medium hard black lava &		
		246	breaks	X	
6	246	251	soft broken cinders	X	
6	251	258	black lava		
6	258	258	cinders	X	
6	258	261	brown clay		

RECEIVED
JUN 29 2005
Department of Water Resources
Southern Region

Completed Depth 244 (Measurable)
Date: Started 5/18/2005 Completed 5/19/2005

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 6/16/2005
and
Driller or Operator [signature] Date 6/16/2005
(Sign once if Firm Official & Operator)

Form 238-7
11/97 JGE

App 88118

CORRECTED COPY

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp Rge Sec
1/4 SW 1/4 SW 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030223
DRILLING PERMIT NO. 810855
Other IDWR No. 381565

2. OWNER:
Name Roth Family Limited Partnership
Address 539 S. 800 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

CA

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 5 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot County Jerome
Lat: Long:
Address of Well Site 400 S. 726 E.
City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. Blk. Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other deepen

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? ☐ Y ☒ N How?

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
180' ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments:
Depth first Water Encounter

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
5	191	199	hard lava & breaks		
5	199	204	soft broken lava & cinders	X	
5	204	211	medium hard lava		
5	211	245	hard lava & breaks		

SCANNED
MAR 11 2004

RECEIVED
MAR 10 2004
Department of Water Resources
Southern Region

Completed Depth 203' (Measurable)
Date: Started 2/18/2004 Completed 2/18/2004

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Date 2/24/2004
and
Driller or Operator Date 2/24/2004
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 62433

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 - 95 - C - 240 - 000
Other IDWR No.

2. OWNER:
Name Todd A. Roth
Address 521S 800E
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 9S North ☐ or South ☐
Rge. 18E East ☐ or West ☐
Sec. 8, 10 acres 1/4, 10 acres SW 1/4, 160 acres SW 1/4
Gov't Lot ____ County Jerome

Address of Well Site
City
(Give at least name of road + Distance to Road or Landmark)

Lt. Blk. Sub. Name

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	-18		Overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? Y ☐ N ☒ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5/8 OD	+2	-213	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
149 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

11. WELL TESTS: NONE
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. Bottom hole temp.
Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3½	Top Soil		X
6 5/8	3½	23	Gray Basalt		
6	23	27	Pinksh/Gray Basalt		
	27	43	Gray Basalt		
	43	57	Gray & Pink Basalt		
	57	65	Red Basalt & Clay Broken		
	65	74	Gray Basalt		
	74	83	Gray Basalt Small Break		
	83	86	Pinksh/Gray Basalt		
	86	103	Gray Basalt		
	103	111	Gray Basalt		
	111	114	Gr Basalt Lg Brk Tr. Pinksh Basalt		
	114	122	Pinksh Basalt Lg Brk Tr Clay		
	122	131	Gray Basalt		
	131	144	Pinksh Basalt		
	144	164	Gray basalt	X	
	164	170	Gray & Pink Basalt		
	170	179	Gray Basalt		
	179	183	Gray Basalt Small Break	X	
	183	197	Gray Basalt		
	197	200	Red Sand		
	200	210	GRAYbasalt Brown Clay		
	210	212	Gray Basalt		
	212	224	Gray Basalt Sm Brk	X	
	224	228	Gray Basalt		
	228	236	Pinksh/Gr Basalt Break	X	
	236	245	Gray Basalt Lg Brk	X	

RECEIVED JAN 12 1996
Department of Water Resources Southern Region

Completed Depth 245 (Measurable)
Date: Started 12-23-95 Completed 12-23-95

RECEIVED FEB 13 1996
Department of Water Resources

RECEIVED MAY 06 1996
Department of Water Resources

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11
Firm Official [signature] Date 1-5-96
and
Supervisor or Operator [signature] Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
4/92

C

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
MAY 24 1993

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ruth A Larson
Address 237 S 700 E Jerome
Drilling Permit No. 36-93-S-0071-000
Water Right Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	6 inches	+ 2 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

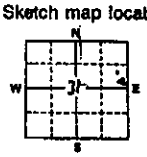
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port Sanitary Well Cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site 25 above
(give at least name of road)
SE ¼ NE ¼ Sec. 31, T. 8S, R. 18E N ☐ or S ☒ E ☒ or W ☐

MICROFILMED
AUG 09 1993

7. WATER LEVEL

Static water level 228' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature -85 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

103956

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top Soil		
	2	8	Clay		
8/6	8	40	Grey Lava		
	40	45	Blk Cinders		
	45	60	Brown Lava		
	60	67	Red Sand		
	67	80	Grey Lava		
	80	88	Brown Lava		
	88	105	Grey Lava		
	105	110	Blk Cinders		
	110	160	Brown Lava		
	160	162	Cinders		
	162	164	Crevase		
	164	181	Hard		
	181	183	Soft		
	183	191	Hard		
	191	206	Soft		
	206	210	Hard		
	210	212	Crevase		
	212	225	Hard		
	225	234	Crevase	X	
	234	285	Hard		
	285	296	Soft to Broken		
	296	305	Hard		

RECEIVED
APR 30 1993
Department of Water Resources
Southern Region Office

10.

Work started 4-26-93 finished 4-27-93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Address Wendell Date 4-27-93
Signed by Drilling Supervisor [signature]
and
(Operator) [signature]
(If different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Sand Springs

Address W. End I.C. Idaho

Owner's Permit No. ———

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 16 inches Total depth 45 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	14 inches	0 feet	45 feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation 15 inches by 1/4 inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name ———

Type ——— Model No. ———

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Diameter ___ Slot size ___ Set from ___ feet to ___ feet

Gravel packed? ☐ Yes ☐ No Size of gravel ———

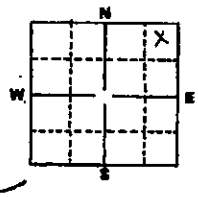
Placed from ——— feet to ——— feet

Surface seal? ☐ Yes ☐ No To what depth ——— feet

Material used in seal ☒ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



36

County Gooding

1/4 E 1/4 Sec. 1 T. 8 N/S, R. 14 E/W

7. WATER LEVEL

Static water level 31 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow ———

Temperature ——— ° F. Quality ———

Artesian closed-in pressure ——— p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
	0	

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
16"	0'	2'	top soil		
	2	8	loose rock - boulders		
	8	21	grey lava		
	21	32	loose cuttings of grey lava - otherwise		
	32	45	black lava - cinders		
			lots of water in cinders		
14"	0	45			
			fifteen ft. of Rig perforations		
			water stands at 31 ft.	X	
			1005.75		

10.

Work started ——— finished ———

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

[signature] 26

Driller's or Firm's Name Number

Address

Signed By [signature] Date

USE ADDITIONAL SHEETS IF NECESSARY

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. ___ - ___ - 81758
Other IDWR No. _____

2. OWNER:
Name Scott's Lake Farms % Scott McClellan
Address 727 E 1005
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8S North ☐ or South ☐
Rge. 18E East ☐ or West ☐
Sec. 16, ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County _____
Lat: : : Long: : :
Address of Well Site 819 E 50N
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	276		Poured
Bentonite	276	282	76	Poured

Was drive shoe used? ☐Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
0 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	0	276	Bentonite		X
6	276	282	Bentonite	X	

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Department of Water Resources
Southern Region

CA

Completed Depth _____ (Measurable)
Date: Started 3/30/04 Completed 3/30/04

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Floyd Lilly Co Firm No. _____
Firm Official Brent Peterson Date 3/30/04
and
Driller or Operator _____ Date _____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 31414

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030251
DRILLING PERMIT NO. 811497
Water Right or Injection Well No. ID=382201

2. OWNER: Scottsdale Farms
Name %Scott McClellan
Address 727 East 100 South
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☐ or West ☐
Sec. 16 ____ 1/4 (10 acres) SW 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
819 East 50 North (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	25	5 S	Poured

Was drive shoe used? ☒Y ☐N Shoe Depth(s) 259 ft.
Was drive shoe seal tested? ☒Y ☐N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	259	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
283 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	13	Topsoil		x
	13	34	Gray basalt		x
	34	40	Brown basalt		x
	40	89	Fractured gray basalt		x
	89	90	Crevice, lost circulation		x
	90	240	Fractured		x
	240	259	Gray basalt		x
6"	259	280	Gray basalt		x
	280	292	Brown basalt		x
	292	302	Fractured gray basalt	x	
	302	305	Broken, lost circulation	x	
	305	365	Fractured, cinder beds	x	
	365	380	Cinders	x	
			Total depth 370 ft.		
			Actual bore hole diameter is 8-3/4" and 6-1/8"		

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MAR 19 2004
Department of Water Resources
Southern Region

Completed Depth 370 ft. (Measurable)
Date: Started 3-15-04 Completed 3-15-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 3-16-04
and
Driller or Operator II CRAIG EGAN Date 3-16-04
Operator I Lloyd Hayden Date 3-16-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

GB.

1. WELL OWNER

Name Owen Severance

Address Eden, Idaho

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

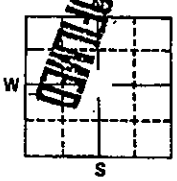
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port Port in well seal

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ SW ¼ Sec. 31, T. 9 N/S, R. 19 E/W.

7. WATER LEVEL

Static water level 246 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
15	246	1/2

9. LITHOLOGIC LOG

73805

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
9	0	10	brn clay		
	10	27	grey basalt		
	27	32	brn cinders		
	32	40	brn basalt		
	40	46	brn cinders		
	46	51	brn basalt		
	51	56	red cinders		
	56	60	brn basalt		
	60	66	red cinders		
	66	96	brn basalt		
	96	110	brn clay		
	110	132	grey basalt		
	132	153	brn basalt		
	153	164	grey basalt		
	164	174	brn basalt		
	174	192	brn cinders		
	192	212	grey basalt		
	212	243	brn basalt		
	243	251	brn scoria		
	251	286	brn basalt		
	286	300	grey basalt		

RECEIVED
JAN 25 1982
Department of Water Resources

10.

Work started 7/12/81 finished 7/25/81

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Date 8/2/81
Signed by (Firm Official) Blaine Boley Jr.
and
(Operator) Russell Boley

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

C /

WELL DRILLER'S REPORT

MAY 24 1993

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Shawn Shropshire

Address 334 S 300 W Jerome

Drilling Permit No. 36 93 S 0077 000

Water Right Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

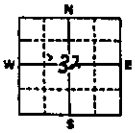
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port Sanitary well cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site 700 East Highway 25 (give at least name of road)
SE ¼ NW ¼ Sec. 32, T. 8 N ☐ or S ☒, R. 18 E ☒ or W ☐

7. WATER LEVEL

Static water level 222 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 85 °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Baller ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 103957

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
	0	4	Top Soil		
	4	14	Grey lava		
	14	16	Red sand		
	16	38	Brown Lava		
	38	42	Crevice		
	42	50	Hard		
	50	56	Soft		
	56	70	Hard		
	70	76	Soft		
	76	100	Hard		
	100	110	soft		
	110	120	Hard		
	120	140	Hard Sm Breaks		
	140	201	Hard		
	201	206	Soft		
	206	240	Hard		
	240	255	Med. Hard		
	255	273	soft		X
	273	280	med. Hard		
	280	283	Crevice		
	283	290	Hard		
	290	295	Soft		
	295	305	Hard		

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APR 30 1993
Department of Water Resources
Southern Region Office

10.

Work started Apr. 27/93 finished Apr 28 93

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Address Wendell Date 4-28-93
Signed by Drilling Supervisor _____
and
(Operator) _____ (If different than the Drilling Supervisor)

AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Jim Shawver

Address 844 S Eden Rd Eden, Id

Drilling Permit No. 36-97-S-031

Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

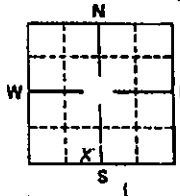
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port Seal

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SW ¼ Sec. 31, T. 9 N ☐ S ☑ R. 19 E ☑ W ☐

7. WATER LEVEL

Static water level 269 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature Cold °F. Quality Good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	269	1

9. LITHOLOGIC LOG 84512

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	288	335	Grey basalt (hard)		X
	335	347	Red scoria	X	
	347	351	Brown basalt		X
	351	359	Grey scoria	X	
	359	363	Grey basalt		X

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MAR 16 1992
Department of Water Resources
Southern Region Office

RECEIVED
MAY 13 1992
Department of Water Resources

MICROFILMED
DEC 07 1992

10. Work started 9 March finished 12 Mar 1992

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Address Mountain Id Date 12 Mar 1992
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Barn 36
App 862039
Per 764802

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008889
DRILLING PERMIT NO. 764802
Other IDWR No. 36-022640/02264F/02539B

2. OWNER:
Name Si-Ellen Dairy
Address 539 S. 800 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 539 S. 800 E. approx.
500' W. of existing dairy barn (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other dairy

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	159	2200 lbs	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
10"	+1	159	.25	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
106 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
200+			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
121/2	0	12	top soil		
121/2	12	29	black lava		
121/2	29	31	broken black lava		
121/2	31	44	black lava		
121/2	44	47	black cinders		
121/2	47	56	medium hard lava & cinders		
121/2	56	77	black lava		
121/2	77	78	broken red & black lava		
121/2	78	84	red ash		
121/2	84	127	brown clay		
121/2	127	137	black lava		
121/2	137	146	soft, broken & brown sand	X	
121/2	146	149	red & black cinders	X	
121/2	149	159	black lava		
10	159	164	black lava		
10	164	174	broken black lava	X	
10	174	183	black lava		
10	183	187	medium hard & breaks	X	
10	187	199	black lava		
10	199	204	soft, broken & cinders	X	
10	204	205	black lava		

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NOV 0 8 2000
Department of Water Resources
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NOV - 3 2000
Department of Water Resources
Southern Region

Completed Depth 205' (Measurable)
Date: Started 10/8/2000 Completed 10/9/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official _____ Date 10/12/2000
and
Driller or Operator _____ Date 10/12/2000
(Sign once if Firm Official & Operator)

Helper

FORWARD WHITE COPY TO WATER RESOURCES

Beam 36
App 862040
Por 764803

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008890
DRILLING PERMIT NO. 2764803
Other IDWR No. 36-02264D/02264F/02539B

2. OWNER:
Name Si-Ellen Dairy
Address 539 S. 800 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 539 S. 800 E. 500' W
of exsisting dairy barn (Give at least Name of Road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other dairy

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	159	2250 lbs	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
10"	+1	159	.25	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
108 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
100+			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
12 1/2	0	14	top soil		
12 1/2	14	39	black lava		
12 1/2	39	43	broken black lava		
12 1/2	43	76	black lava		
12 1/2	76	79	red ash		
12 1/2	79	101	brown clay		
12 1/2	101	136	black lava		
12 1/2	136	147	soft, broken & red	X	
12 1/2	147	149	red & black cinders	X	
12 1/2	149	159	black ryolite		
10	159	166	black ryolite		
10	166	173	broken black ryolite	X	
10	173	199	hard grey ryolite		
10	199	204	soft, broken & cinders	X	
10	204	206	black lava		

RECEIVED
NOV 0 8 2000
Department of Water Resources
RECEIVED
NOV - 3 2000
Department of Water Resources

Completed Depth 205' (Measurable)
Date: Started 10/9/2000 Completed 10/10/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official and Driller or Operator ____ Date 10/27/00
(Sign once if Firm Official & Operator)
Helper

FORWARD WHITE COPY TO WATER RESOURCES

Dan 36
App 862040
Per 764803

ID 336799

5023153

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

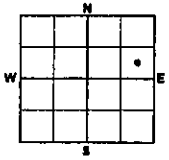
C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008890
DRILLING PERMIT NO. 2764803
Other IDWR No. 36-02264D/02264F/02539B

2. OWNER:
Name SJ-Ellen Dairy
Address 539 S. 800 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 539 S. 800 E. 500' W
of exsisting dairy barn (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other dairy

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☒ Other deepen

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite	0	159	2250 lbs	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
10"	+1	159	.25	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
108 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
100+			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
12 1/2	0	14	top soil		
12 1/2	14	39	black lava		
12 1/2	39	43	broken black lava		
12 1/2	43	76	black lava		
12 1/2	76	79	red ash		
12 1/2	79	101	brown clay		
12 1/2	101	136	black lava		
12 1/2	136	147	soft, broken & red	X	
12 1/2	147	149	red & black cinders	X	
12 1/2	149	159	black ryolite		
10	159	166	black ryolite		
10	166	173	broken black ryolite	X	
10	173	199	hard grey ryolite		
10	199	204	soft, broken & cinders	X	
10	204	208	black lava		
10	208	207	black lava		
10	207	216	broken & red/black cinders	X	
10	216	220	black lava		

RECEIVED
JUL - 6 2001
Department of Water Resources
RECEIVED
JUL 1 / 2001
Water Resources

Completed Depth 205' (Measurable)
Date: Started 6/14/2001 Completed 6/14/2001

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 7/5/2001
and
Driller or Operator [signature] Date 7/5/2001
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

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ID

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. _____
Other IDWR No. 341663 ID

2. OWNER:
Name Si-Ellen Farms
Address 5395 800 E
City Jerome State Id Zip _____

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☑
Rge. 18 East ☑ or West ☐
Sec. 17, ____ 1/4 SE 1/4 NE 1/4
(10 acres, 40 acres, 160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 25 Grove
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☑ Abandonment ☐ Other _____

6. DRILL METHOD
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
3/8" enviroplug	110	-5	26 bags	
gravel	180	110	1 yrd	

Was drive shoe used? ☐Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
110 ft. below ground Artesian pressure ____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6"	0	180	Abandonment of well		

RECEIVED
AUG 13 2001
Department of Water Resources
Southern Region

Completed Depth _____ (Measurable)
Date: Started 6/28/01 Completed 6/28/01

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling Firm No. 26
Firm Official Larry [signature] Date 7-31-01
and
Driller or Operator Date

Barn 36
App 862039
Per 764802

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008889
DRILLING PERMIT NO. 764802
Other IDWR No. 36-022640/02264F/02539B

2. OWNER:
Name Si-Ellen Dairy
Address 539 S. 800 E.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site 539 S. 800 E. approx.
500' W. of existing dairy barn (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other dairy

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
bentonite	0	159	2200 lbs	dry pour

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
10"	+1	159	.25	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
106 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
200+			

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
121/2	0	12	top soil		
121/2	12	29	black lava		
121/2	29	31	broken black lava		
121/2	31	44	black lava		
121/2	44	47	black cinders		
121/2	47	56	medium hard lava & cinders		
121/2	56	77	black lava		
121/2	77	78	broken red & black lava		
121/2	78	84	red ash		
121/2	84	127	brown clay		
121/2	127	137	black lava		
121/2	137	146	soft, broken & brown sand	X	
121/2	146	149	red & black cinders	X	
121/2	149	159	black lava		
10	159	164	black lava		
10	164	174	broken black lava	X	
10	174	183	black lava		
10	183	187	medium hard & breaks	X	
10	187	199	black lava		
10	199	204	soft, broken & cinders	X	
10	204	205	black lava		

RECEIVED
NOV 08 2000
Department of Water Resources
RECEIVED
NOV - 3 2000
Department of Water Resources
Southern Region

Completed Depth 205' (Measurable)
Date: Started 10/8/2000 Completed 10/9/2000

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official [signature] Date 10/12/2000
and
Driller or Operator [signature] Date 10/12/2000
(Sign once if Firm Official & Operator)

Helper [signature]

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-8
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 95 S 0022 - 000
Other IDWR No. X36-0253913

2. OWNER:
Name SI - Ellen Farms (Simon Roth)
Address 17460 N.E. 88th Street
City Vancouver State Wa Zip 98682

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☑
Rge. 18 East ☒ or West ☐
Sec. 17, ____ 1/4 SE 1/4 NE 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome

Address of Well Site 5005 550 S City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☒ Other Dairy

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	2000 lbs	

Was drive shoe used? Y ☒ N ☐
Was drive shoe seal tested? Y ☐ N ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	1	165	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
110 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS: 49632
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ~55° Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
12	0	12	Top Soil		
	12	26	Gray Lava		
	26	31	Broken + Cinders		
	31	66	Br Lava		
	66	90	Br Clay Soft		
	90	106	Broken Lava Br Clay	X	
	106	110	Br Lava		
	110	115	Cinders Loose		
	115	120	Br Lava		
	120	132	Gray Lava		
	132	134	Broken		
	136	154	Gray Lava		
	154	163	Broken Br Clay very Sandy	X	
	163	165	Bl Lava		
8	165	168	" "		
	168	171	Broken Bl Lava	X	
	171	191	Bl Lava		
	191	196	Broken Bl + Red ash	X	
	196	200	Bl Lava		
	200	205	Broken + Cinders	X	
	205	219	Bl Lava		
	219	224	Broken " + White Shell Rock	X	
	224	230	Bl Lava + Breaks		

RECEIVED
APR 19 1995
Department of Water Resources
Southern Region

RECEIVED
APR 07 1995
Department of Water Resources
Southern Region

AUG 15 1995

Completed Depth 230 (Measurable)
Date: Started 3-24-95 Completed 3-28-95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official Larry Eaton Date 4-1-95
and
Supervisor or Operator Dave Cook Date 4-1-95
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

App 92701

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D
DRILLING PERMIT NO. 837966
Water Right or Injection Well No. Id # 408388

2. OWNER:
Name Jimmy Roth % Si-Ellen
Address 539 S 800 E
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 15 ____ 1/4 SE 1/4 (10 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 11600 E 19 N
City Eden
(Give at least name of road + Distance to Point of Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other ____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
bentonite	227	-4	125 bags	dry pour

Was drive shoe used? ☐Y ☐N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☐N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	-4	7			☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
____ ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
	-4	227	Abandonment of dry well		

RECEIVED
MAR 22 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth ____ (Measurable)
Date: Started 12-28-05 Completed 12-28-05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling Firm No. 26
Principal Driller Larry M. Wilson Date 3-21-06
and
Driller or Operator II ____ Date ____
Operator I ____ Date ____
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

Ap 892673

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D0037073
DRILLING PERMIT NO. 837938 RECEIVED
Other IDWR No. DEC 28 2005

2. OWNER:
Name Jimmy Roth — Department of Water Resources
Address 51-Ellen 539 S 800 E — Southern Region
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 15 ____ 1/4 SE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: N42 43.380 Long: W114 12.656
Address of Well Site 1600 E 19 N
(Give at least name of road + Distance to Road or Landmark) City Eden
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other replacement

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	-1	-20	200 lbs	dry pour
shell trap				

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 43' 8 inches
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	+2	-43	.250	steel	☒	☐	☒	☐
5	-40	-228	.250	steel	☐	☒	☒	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
212 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments: ____
Depth first Water Encounter 219

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	4	top soil		
8	4	27	medium lava		
8	27	43	soft broken lava & cinders		
6	43	91	hard lava		
6	91	94	soft broken lava & cinders		
6	94	111	soft ash or red sand		
6	111	118	medium lava		
6	118	119	broken		
6	119	124	medium soft & breaks		
6	124	147	medium		
6	147	148	broken		
6	148	150	medium		
6	150	152	soft broken lava		
6	152	160	medium soft		
6	160	190	medium		
6	190	194	sofst broken lava & cinders		
6	194	219	medium lava		
6	219	221	broken	X	
6	221	226	medium lava		
6	226	228	soft broken lava	X	
6	228	238	medium lava		
6	238	239	broken	X	
6	239	242	medium lava		
6	242	246	cinders	X	
6	246	248	medium lava		
6	248	253	soft lava & cinders	X	
6	253	255	medium lava		
6	255	263	broken lava & cinders	X	
6	263	271	medium lava		
6	271	273	soft broken lava		
6	273	280	medium lava		
6	280	284	soft lava & breaks	X	
6	284	294	medium lava		
6	294	296	soft lava & breaks	X	
6	296	311	medium lava		
6	311	314	soft lava & breaks	X	

Continued on next page

Completed Depth 378 (Measurable)
Date: Started 12/23/2005 Completed 12/27/2005

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Tony Eaton Date 12/28/2005
and
Driller or Operator ____ Date 12/28/2005
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: : : Long: : :

Page 2

1. WELL TAG NO. D0037073

RECEIVED
DEC 28 2005
Department of Water Resources
Southern Region

DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:

Name Jimmy Roth Si-Ellen
Address Si-Ellen 539 S 800 E
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 15 _____ 1/4 (10 acres) SE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot _____ County Jerome
Lat: N42 43.380 Long: W114 12.656
Address of Well Site 1600 E 19 N
_____ City Eden
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☐ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

_____ ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
_____ Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	314	333	medium soft lava		
6	333	347	soft lava, cinders & breaks	X	
6	347	360	medium lava & small breaks	X	
6	360	375	medium		
6	375	385	medium lava & breaks	X	

Completed Depth 378 (Measurable)
Date: Started 12/23/2005 Completed 12/27/2005

13. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official Doug Nielson Date 12/28/2005
and
Driller or Operator _____ Date 12/28/2005
(Sign once if Firm Official & Operator)

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
JUL 04 1980
Department of Water Resources
Southern Idaho District Office

1. WELL OWNER

Name Harry SIRRICK

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter		From	To
160 inches	10	Inches +	1 feet	19 feet
_____ inches	_____	Inches	_____ feet	_____ feet
_____ inches	_____	Inches	_____ feet	_____ feet
_____ inches	_____	Inches	_____ feet	_____ feet

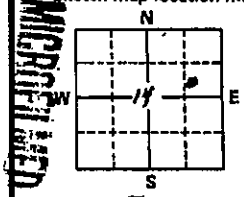
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ NE ¼ Sec. 19, T. 8 S, R. 18 E/W

7. WATER LEVEL

Static water level 160 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☒ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

106325

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
12	0	3	top Soil		X
	3	19	Gray lava		X
10	19	22	Gray lava		X
	22	37	Red lava		X
	37	100	Gray lava		X
	100	136	Red lava		X
	136	140	Soft No Returns		X
	140	188	Hard " "	X	
	188	200	Soft " "	X	
	200	230	Hard No Returns	X	

10.

Work started 3-21 finished 3-22-80

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name C B Eaton & Son Firm No. 214
Address Wendell Ida Date 7-1-80
Signed by (Firm Official) James Eaton
and
(Operator)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

024382

RECEIVED
JUN 2 - 1956
Department of Reclamation

Log No. L
Rec.
Well No.
Permit No.

(DO NOT FILL IN)

Owner HARRY SIRUOEK Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. //

Location of Well SW ¼ NE ¼ Sec. 15, T. 9 N/S, R. 18 E/W JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6± Total depth of Well 205'

Give depth of standing water from surface 142' 6" Water Temp. °Farenheit

On pumping test delivery was 15 g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was 1 HR. hr., minutes.

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for IRRIGATION Weight of casing per linear foot

Thickness of casing NONE Casing material
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 3-31-56 Date of completion of well 4-6-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.

GS

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SWNE S.15 9S 18E

(24383

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	105	OLD HOLE				
105	130	LAVA GRAY HARD				
130	136	CLAY YELLOW				
136	185	LAVA GRAY HARD				
185	194	CREVICE TALC - SAND				
194	205	LAVA GRAY POROUS				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated JUNE 14, 19 56

Basin 34
App 874337
Per 788334
ID 359380

Form 238-7
11/97

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

C

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023353
DRILLING PERMIT NO. ___-___-___-___
Other IDWR No. _____

2. OWNER:
Name Mike Sirucek
Address 472-A South 1000 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 14, ____ 1/4 (10 acres) NE 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
550 South 1050 East (Give at least name of road + Distance to Road or Landmark) City Eden
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	18	3 S	Poured
Overbore to				
seal depth				

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
Perforations Method ____
Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
95 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	5	Topsoil		x
	5	18	Gray basalt		x
6"	18	29	Gray basalt		x
	29	33	Brown cinders		x
	33	41	Brown basalt		x
	41	73	Gray basalt		x
	73	85	Red ash & cinders		x
	85	93	Gray basalt		x
	93	117	Fractured gray basalt	x	
	117	140	Brown ash	x	
	140	213	Fractured gray basalt	x	
	213	231	Soft brown basalt	x	
	231	250	Fractured gray basalt	x	

RECEIVED
OCT 30 2002
Department of Water Resources
Southern Region

Completed Depth 250 ft. (Measurable)
Date: Started 10-24-02 Completed 10-24-02

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 10-25-02
and
Driller or Operator CRAIG EGAN Date 10-25-02
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

24394

RECEIVED

Log No._____
Rec._____, 19____
Well No._____
Permit No._____
(DO NOT FILL IN)

Owner TONY SIRUCEK Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SE ¼ SE ¼ Sec. 3, T. 9 N/S, R. 18 E/W JEROME, County,

and ____ feet N/S, and ____ feet E/W from ____ Corner of ____ ¼ ____ ¼ Sec. ____

Size of Drilled Hole 6¼" Total depth of Well 78'

Give depth of standing water from surface FIELD DRAIN Water Temp. ____ °Farenheit

On pumping test delivery was ____ g.p.m. or ____ c.f.s. Drawdown was ____ feet.

Size of pump and motor used to make the test ____

Length of time pumped during check was ____ hr., ____ minutes.

If flowing well, give flow in c.f.s ____ or g.p.m. ____ and shut in pressure ____

If flowing well, describe control works ____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for ____ Weight of casing per linear foot 19.18

Thickness of casing .278 Casing material STEEL PIPE
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6" , 22' 1 FT. ~~ABOVE~~ SURFACE TO 21' BELOW SURFACE
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations ____ located ____ feet to ____ feet from surface of ground.

Other perforations ____

Date of commencement of well 2-8-56 Date of completion of well 2-15-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6¼"	1 FT. ABOVE SURFACE	21' BELOW SURFACE	22'	CEMENTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SESE 5.3 9S 18E

024395

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	15	TOP SOIL & CLAY				
15	19	LOOSE ROCK				
19	76	LAVA GRAY HARD				
76	78	LAVA RED CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated FEBRUARY 28, 19 56

Form 238-7
1/78

RECEIVED
MAR 23 1981
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED
FEB 26 1981
Department of Water Resources
Southern District Office

USE TYPEWRITER OR BALL POINT PEN

1. WELL OWNER

Name Mike Sirucek

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

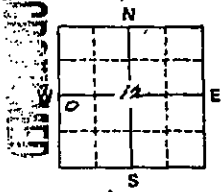
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NW ¼ SW ¼ Sec. 12, T. 9 ☒S, R. 19 ☒E

7. WATER LEVEL

Static water level 170 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☒ Cap ☐ Plug
Temperature ____°F. Quality _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	3	Top Soil		
8	19		Gray Lava		
19	80	"	"		
80	230		No Returns	✓	

10.

Work started JAN 29 finished Jan 30 - 81

11. DRILLERS CERTIFICATION

cb dl

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name CB Eaton & Sons Firm No. 26
Address Wendell Idaho Date Feb - 16 - 81
Signed by (Firm Official) James Eaton
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

RECEIVED
DEC 19 1977
Department of Water Resources
Southern District Office

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Dale Skeem

Address Hazelton, Idaho

Owner's Permit No.

2. NATURE OF WORK

☑ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☑ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 235 feet

Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 inches	+ 1 feet	19 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was casing drive shoe used? ☐ Yes ☑ No

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☑ No Size of gravel

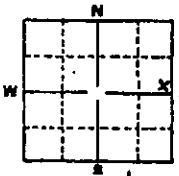
Placed from feet to feet

Surface seal depth 19' Material used in seal ☑ Cement grout ☐ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☑ Overbore to seal depth

6. LOCATION OF WELL (36)

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County Jerome

SE ¼ NE ¼ Sec. 35 T. 8 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 189 feet below land surface

Flowing? ☐ Yes ☑ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
15	NONE	1½

40431

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	2	Brown Sandy clay		X
	2	40	Grey basalt		
	40	45	Brown basalt		
	45	56	Grey basalt		
	56	60	Red cinders		
	60	80	Brown Sandy clay		
	80	85	Brown basalt		
	85	110	Brown Sandy Clay		
	110	140	Grey basalt		
	140	150	Grey basalt (broken)		
	150	160	Red cinders		
	160	170	Grey Scoria		
	170	195	Grey basalt		
	195	205	Brown basalt	189	
	205	235	Grey Scoria	X	

10.

Work started 27 Oct 77 finished Nov 1 1977

11. DRILLERS CERTIFICATION

Firm Name Boley & Henry Firm No. 86

Address Murtaugh, Idaho Date 12/12/77

Signed by (Firm Official) Blaine Boley

and

(Operator) Russell Boley

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

47505

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No.
Rec. RECEIVED DEC 19 1955 Department of Reclamation
Well No.
Permit No.

(DO NOT FILL IN)

Owner MRS. IRENE SMITH & MATHEW J. SMITH Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SE ¼ SE ¼ Sec. 17, T. 8 ~~N~~/S, R 18 E/~~W~~ JEROME County,

and feet N/S, and feet E/W from Corner of ¼ ¼ Sec.

Size of Drilled Hole 6¼" Total depth of Well 305'

Give depth of standing water from surface 270' Water Temp. °Farenheit

On pumping test delivery was 15 g.p.m. or c.f.s. Drawdown was feet.

Size of pump and motor used to make the test

Length of time pumped during check was 1 hr., minutes.

If flowing well, give flow in c.f.s. or g.p.m. and shut in pressure

If flowing well, describe control works
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot UNKNOWN

Thickness of casing 22 GUAGE Casing material ~~NONE~~ 6 1/8" TIN CASING
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6 1/8", ~~NONE~~ 30", FROM 0 TO 30"
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations located feet to feet from surface of ground.

Other perforations

Date of commencement of well 11-18-55 Date of completion of well 12-5-55

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6 1/8"	0	30"	30"	GROUTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SESE S.17 8S 18E

57

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No.
0	8	PIT				
8	15	LAVA GRAY POROUS				
15	60	LAVA RED CREVICE				
60	72	LAVA RED POROUS				
72	175	LAVA RED CREVICE - LOOSE ROCK				
175	206	LAVA GRAY BOROUS				
206	212	CLAY YELLOW				
212	257	LAVA GRAY HARD				
257	282	LAVA RED HARD			YES	
282	300	LAVA RED POROUS				
300	305	LAVA RED CREVICE				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated DECEMBER 14, 1955.

Form 238-7
1/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
APR 13 1994
Department of Water Resources

Use Typewriter or Ball Point Pen

54989

1. DRILLING PERMIT NO. 36-93-S-0419-000 (0419)
Other IDWR No.

2. OWNER:
Name Southern Id. Regional Solid Waist District
Address P.O. Box 159
City Burley State Id Zip 83318

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 5, 1/4 NE 1/4 SW 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome

Address of Well Site Hwy 25 9 mi. East Jerome
(Give at least name of road + Distance to Road or Landmark)
City Jerome

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
BenTon.Te	0	19	1000 lbs	

Was drive shoe used? Y ☒ N ☐
Was drive shoe seal tested? Y ☐ N ☒ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	179	.25		☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
208 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ~ 85° Bottom hole temp. ~ 85°
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	1	Top Soil		
	1	21	Gray Lava		
	21	26	BI Cinders		
	26	34	BI Lava		
	34	37	Red Lava		
	37	44	Broken No returns		
	44	146	Hard		
	146	154	Cinders		
	154	160	Soft		
	160	226	Hard		
	226	241	Broken Lava rock	+	
	241	246	Soft Sand		
↓	246	268	Hard		
	268	277	Soft broken Cinders + Sand	X	
6	277	284	Broken Lava	Y	
	284	305	Hard		
	305	314	BI Lava		
	314	317	Soft broken BI Lava	X	
↓	317	320	Red Clay		

RECEIVED
FEB 10 1995
Department of Water Resources
Region Office

RECEIVED
APR 08 1994
Department of Water Resources

Completed Depth 320 (Measurable)
Date: Started 3-9-94 Completed 3-14-94

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official [signature] Date 3-20-94
and
Supervisor or Operator Dave Craft Date 3-19-94
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0034798
DRILLING PERMIT NO. 832216 ID 402807 App 887799
Water Right or Injection Well No. 1-36-W-194

2. OWNER:
Name Chester & Natasha Southwick
Address 135 North Washington
City Dietrich State ID Zip 83324

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33, ____ 1/4 (10 acres) NW 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
200 South 870 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☒ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	18	4 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
0 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____
Well cap

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	4	Topsoil		x
	4	18	Gray basalt		x
6"	18	74	Gray basalt		x
	74	85	Broken, lost circulation		x
			Actual bore hole diameter is 8-7/8" and 6-1/8"		

RECEIVED
APR 15 2005
Department of Water Resources
Southern Region

Completed Depth 85 ft. (Measurable)
Date: Started 4-12-05 Completed 4-13-05

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 4-14-05
and
Driller or Operator II Craig Egan Date 4-14-05
Operator I Lloyd Hayde Date 4-14-05
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

App 88584

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0034412
DRILLING PERMIT NO. 82577
Water Right or Injection Well No. ID 3914406

2. OWNER:
Name Chester & Natasha Southwick
Address 135 North Washington
City Dietrich State ID Zip 83324

3. LOCATION OF WELL by legal description:
You must provide address or Lot; Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 33 ____ 1/4 (10 acres) NW 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site Approximately
200 South 870 East (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	18	4 S	Poured

Was drive shoe used? ☐Y ☒N Shoe Depth(s) ____
Was drive shoe seal tested? ☐Y ☒N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type ____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method ____
Screen Type & Method of Installation ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
238 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____
Well cap

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water-Quality & Temperature	Water Y	Water N
8"	0	4	Topsoil		x
	4	18	Gray basalt		x
6"	18	45	Gray basalt		x
	45	52	Brown basalt		x
	52	69	Gray basalt		x
	69	77	Cinders, lost circulation		x
	77	160	Fractured basalt		x
	160	181	Ash		x
	181	226	Fractured basalt		x
	226	305	Fractured, cinder beds	x	
			Actual bore hole diameter is 8-3/4" & 6-1/8"		

CP

RECEIVED
NOV 19 2004
Department of Water Resources
Southern Region

Completed Depth 350 ft (Measurable)
Date: Started 11-15-04 Completed 11-15-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 11-17-04
and
Driller or Operator II Craig Egan Date 11-17-04
Operator I Doyle Hayden Date 11-17-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
4/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name Fred Stanbach
Address 1834 Hiway 25, Eden, Idaho
Drilling Permit No. 36-94-S-0036-000
Water Right Permit No. _____

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☒ Air ☐ Auger ☐ Reverse rotary
☐ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION
Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
6 inches	.250 inches	+ 1 feet	79 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

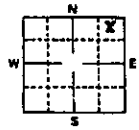
Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 12 Material used in seal: ☐ Cement grout ☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata

Describe access port Plug in well cap

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site 1834 Hiway 25 (give at least name of road)
NE ¼ NE ¼ Sec. 30, T. 9 N ☐ or S ☒, R. 19 E ☒ or W ☐

7. WATER LEVEL
Static water level 195 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☐ Baller ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

107527

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
12	+1	2	LOAM		
12	2	19	Black Basalt		
8	19	25	Hard Black Basalt		
1	25	32	Soft " "		
	32	40	Hard " "		
	40	49	Brown clay		
	49	54	Brown clay with Broken Black Basalt		
	54	64	Soft Broken B. Basalt with Black Sand		
	64	67	Hard Black Basalt		
	67	68	Soft " "		
	68	127	Hard " "		
	127	148	Soft Black and Red Basalt		
	148	168	Black Basalt		
	168	261	No Return	X	

RECEIVED
MAR 29 1994
Department of Water Resources
Southern Region Office

JUL 19 1994

10.
Work started 3-18-94 finished 3-24-94

11. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Thomas Lloyd Drilling Firm No. 525
Address 318 3rd Ave. W, Jerome Date 3-29-94
Signed by Drilling Supervisor Thomas S. Lloyd
and
(Operator) Shane R Lloyd
(If different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

RECEIVED
JUN 2 1978
Department of Water Resources
Southern District Office

REPORT OF WELL DRILLER
State of Idaho

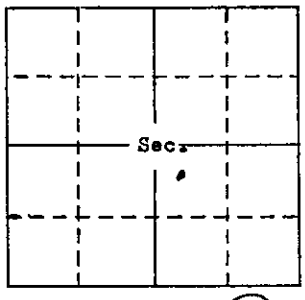
State law requires that this report shall be filed with the State Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Fred Stewart
Address R# Eden, Idaho 83325

Owner's Permit No.
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Irrigation
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other (explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
18 in. "Diam. from 1 ft. to 160 ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
"Diam. from ft. to ft.
Thickness of casing: .250 Material:
Steel ☒ concrete ☐ wood ☐ other ☐
(explain)
PERFORATED? Yes ☐ No ☒ Type of perforator used:
Size of perforations: " by "
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
WAS SCREEN INSTALLED? Yes ☐ No ☐
Manufacturer's name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.
CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel Gravel placed from ft. to ft. Surface seal provided? Yes ☒ No ☐ To what depth?
160 ft. Material used in seal: Cement into rock
Did any strata contain unusable water? Yes ☐
No ☒ Type of water:
Depth of strata ft. Method of sealing strata off:

Surface casing used? Yes ☒ No. ☐
Cemented in place? Yes ☒ No ☐

Locate well in section



36

LOCATION OF WELL: County Jerome
NW¼ SE¼ Sec. 32 T. 8 S. R. 19 E.

Size of drilled hole: 20-18" Total depth of well: 300 Standing water level below ground: 225 Temp. Fahr. cold ° Test delivery: gpm or cfs Pump? ☐ Bail ☐
Size of pump and motor used to make test:
Length of time of test: Hrs. Min.
Drawdown: ft. Artesian pressure: ft. above land surface Give flow cfs or gpm. Shutoff pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH FROM FEET	DEPTH TO FEET	MATERIAL 105599	WATER YES OR NO
0	7	surface	X
7	40	blk lava	X
40	77	brn lava	X
77	85	brn cinders	X
85	97	brn lava	X
97	105	red cinders	X
105	134	brn lava broken	X
134	147	red sandy clay	X
147	153	brn lava	X
153	156	light-gray lava	X
156	175	brn lava	X
175	190	no cuttings (cinders)	X
190	198	blk pasty lava	X
198	220	light gray lava	X
220	255	brn lava	X
255	270	blk pasty lava	X
270	290	blk pasty lava cinders	
		red sand lock (some water)	X
290	300	gray lava rock	X

Work started: 4-18-22
Work finished: 6-23-22
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: George Bailey
Address: P.O. Box 342 Kimberly Ida
Signed by:
License No. 49 Date: 6-25-22

Use other side for additional remarks

Form 238-7
3/95

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

093240

Office Use Only
Inspected by _____
Twp____ Rge____ Sec____
____1/4 ____1/4 ____1/4
Lat: : : Long: : :

1. DRILLING PERMIT NO. 36 -95- S.0202 -100
Other IDWR No. water right 36 - 07698

2. OWNER:
Name Fred Stewart
Address R+4 Box 318
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 32 ____ 1/4 NW (10 acres) 1/4 SE (40 acres) 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site 3/4 Mile North of Hunt Cowl Memorial
(Give at least name of road + Distance to Road or Landmark) City ____
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☐ Other Deepen

6. DRILL METHOD
☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☐ N How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
229 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: ____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
no test			

Water Temp. Cold Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encountered ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
18	296	305	Brown basalt		X
	305	311	Brown clay w/sand + gravel		X
	311	337	Grey brn basalt		X
	337	373	Grey basalt (hard)		X
	373	376	Scoria		X
	376	381	Grey basalt		X
	381	394	Scoria (lost all cuttings)	X	
	394	400	Grey basalt		X

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Southern Region

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APR 22 1996
Department of Water Resources

AUG 21 1996

Completed Depth 400 (Measurable)
Date: Started 1 Nov 1995 Completed 15 Dec 1995

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley + Henry Firm No. 86
Firm Official Blaine Boley Date 6 April 1996
and
Supervisor or Operator Blaine Boley Date 6 April 1996
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

054534

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008339
DRILLING PERMIT NO. 34-99-S-0135-000
Other IDWR No. _____

2. OWNER:
Name James Stewart
Address 277 S. Eden Rd.
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S — X

Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 31, ____ 10 acres 1/4 SW 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
292 South 1250 East (Give at least name of road + Distance to Road or Landmark) City Jerome
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18	3 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
216 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	18	Gray basalt		x
6"	18	30	Gray basalt		x
	30	43	Brown basalt		x
	43	78	Gray basalt		x
	78	90	Brown cinders, lost circulation		x
	90	152	Basalt		x
	152	159	Cinders		x
	159	170	Fractured basalt		x
	170	235	Basalt		x
	235	300	Fractured basalt	x	

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Department of Water Resources

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SEP 21 1999
Department of Water Resources
Southern Region

MICROFILMED
SEP 30 1999

Completed Depth 300 ft. (Measurable)
Date: Started 9-16-99 Completed 9-16-99

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 9-21-99
and
Driller or Operator CRAIG EGAN Date 9-21-99
(Sign once if Firm Official & Operator)

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Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED
AUG 21 1991
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Fred R. Stewart

Address Rt 4 Box 4826 Jerome, ID 83338

Drilling Permit No. 36-91-S-072

Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☒ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION OWNERS CASING
MEASUREMENTS FROM CONCRETE PAD

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	180D inches	+ 0 feet	-250 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

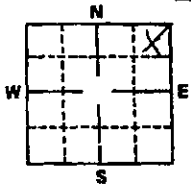
Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth ~~Unknown~~ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay appeared to be cement
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

MICROFILMED
FEB 14 1992

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Jerome County

NE ¼ NE ¼ Sec. 6, T. 9S N ☐ S ☐ R. 19E E ☒ W ☐

7. WATER LEVEL

Static water level 225' How below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 072430

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
20"	0	250	OLD WELL	X	
20/18	250	253	gray basalt		
18"	253	254	med hard gray basalt		
	254	255	crevice		
	255	261	dark gray basalt		
	261	263	crevice		
	263	270	dark gray basalt		
	270	276	hard dark gray absalt		
	276	287½	med hard dark gray basalt		
	287½	291	gray basalt w/ red porous	trace	
	291	294	gray basalt		
	294	301	greenish gray basalt sm. breaks		
	301	309	gray & red basalt sm. breaks		
	309	315	gray & brown basalt sm. breaks		X
	315	319	broken gray basalt & tan clay		X
	319	338	med hard gray basalt		
	338	346	gray basalt sm. breaks tan clay		
	346	349	gray & red basalt	trace	
	349	353	med hard gray basalt		X
	353	359	gray basalt porous & broken	X	
	359	361½	broken	X	
	361½	364	gray absalt		
	364	374	gray basalt sm. breaks	X	
	374	376	red & gray basalt porous & broken	YES	
	376	376½	crevice	X	
	376½	380	red & gray basalt porous & broken	X	

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Department of Water Resources

10. Work started 10-26-91 finished 8-20-91

11. DRILLERS CERTIFICATION BR

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Smith Drilling & Pump Co. Firm No. 11

Address ~~XXXXX~~ Jerome, ID 83338 Date _____

Signed by (Firm Official) _____

and

(Operator) Melton & Robbins

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

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DEC 31 1953
Department of Reclamation

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

024372

Log No. .....
Rec. ..... 19.....
Well No. .....
Permit No. .....
DO NOT FILL IN

Owner R. L STUDYVIN Driller D. EMMETT SMITH, INC.

Address JEROME, IDAHO Address JEROME, IDAHO Lic. No. 11

Location of Well: NE¼ SE¼ Sec. 5, T. 7 S, R. 18 E Jerome County.

and .....feet N/S, and.....feet E/W from.....corner of.....¼.....¼ Sec.

Water will be used for DOMESTIC Total depth of well 219'

Size of drilled hole 6¼ Weight of casing per linear foot .....

Thickness of casing .237 Casing Material 4" BLACK PIPE
e.g., pipe, concrete, wood.

Diameter, length and location of casing .....
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations .....located .....feet to .....feet

from surface of ground.

Other Perforations: .....

If flowing well, give flow in c.f.s. NONE or g.p.m.....and shut in pressure .....

If nonflowing well, give depth of standing water from surface .....

If flowing well, describe control works .....
(Type and size of valve, etc.)

On pumping test delivery was 15 g.p.m. or.....c.f.s. Drawdown was.....feet

Length of time pumped during check was.....hr.....min. Water temp.....°Fahrenheit.

Date of commencement of well SEPTEMBER 14, 1953 Date of Completion of well SEPTEMBER 25, 1953.

Type of well rig CABLE TOOLED

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	"Remarks" — Seals, Grouting, Etc.
4"			205' 10"	BLACK PIPE 4" DRIVE SHOE

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

.....

NESE S5 T7S R18E

.....

.....

.....

024373

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	4	TOP SOIL				
4	50	LAVA - GRAY				
50	105	CREVICES & LOOSE ROCK				
105	127	CLAY				
127	164	LAVA - GRAY - HARD				
164	185	LAVA - BROWN				
185	195	LAVA - GRAY - VERY HARD				
195	202	LAVA - GRAY - POROUS - TRACE OF SAND				
202	219	LAVA - GRAY - POROUS				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. Emmett Smith, Jr.

By J. Emmett Smith

License No. 11

Dated Nov 25, 1953

Subscribed and sworn before me this ..... day of ..... 19.....

NOTARIZATION NOT NECESSARY UNDER NEW LAW.

..... Notary Public

..... Residing at

My Commission expires .....

47510

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NOV 9 1965
Department of Reclamation

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. _____ Well No. _____ County JEROME

Owner MRS. W.R. STUDYVIN

Address ROUTE FOUR, JEROME, IDAHO

Driller ALLAN P. DEVOE (SMITH DRILLING & PUMP CO. INC.)

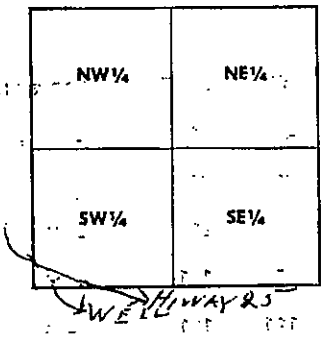
Address JEROME, IDAHO

Well location 8 Rot in SW ¼ SW ¼ Sec. 33, T. 8 N/S, R. 18 E/W

Size of drilled hole 6 ¼"

WATER LEVEL 206' Total depth of well 232'

Locate well in section



Give depth to standing water from the ground _____ Water temp. _____ °Fahr.

On "Pumping Test" delivery was 10 g.p.m. or _____ c.f.s. Drawdown was NO feet.

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC USE Weight of casing per lineal foot .188

Thickness of casing ~~.188 6 1/8 I.Dia~~ Casing material STEEL (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 6⅝ OD, .188 walls, 5' Long (CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
6¼ I.D.	+1ft.	-4ft.	5ft.	Grouted.

Number and size of perforations None located _____ feet to _____ feet from ground

_____ _____ _____

_____ _____ _____

Date of commencement of well 11/9/64 Date of completion of well 11/24/64

SW SW S. 33 8S 18E

USGS

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	4	TOP SOIL WITH CLAY, BROWN COLOR, SOFT		
4	62	LAVA, GREY COLOR, HARD		
62	82	COURSE LAVA, REDDISH BROWN COLOR, MEDIUM		
82	97	LOOSE LAVA, GREY COLOR, MEDIUM		
97	121	LAVA, LIGHT GREY COLOR, HARD		
121	131	CLAY AND LOOSE ROCK, BROWN COLOR, SOFT		
131	154	LAVA, GREY COLOR, MEDIUM		
154	160	CLAY AND LOOSE ROCK, BROWN COLOR, SOFT		
160	164	CLAY, BROWN COLOR, SOFT		
164	170	CLAY AND LOOSEROCK, MEDIUM		
170	199	LAVA, GREY COLOR, HARD		
199	209	CLAY WITH RED SAND, BROWN COLOR, SOFT		
209	232	POROUS LAVA, CREVICE AT 214'. GREY COLOR, MEDIUM, WATER AT 214'		
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed SMITH DRILLING & PUMP CO. INC.

By J. Emmett Smith

License No. 11

Dated November 8, 1965

Form 238-7
9/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

PH 90.

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

Department of Water Resources

1. WELL OWNER

Name Sudik Dairy (John)

Address 1740 E 400 S Eden

Owner's Permit No. 36-88-S-029 ☆

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.025 inches	6 5/8 inches	+ 1 feet	260 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

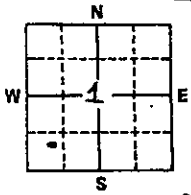
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____

County Twin Falls
SW ¼ SW ¼ Sec. 1, T. 9 N/S, R. 19 E/W

7. WATER LEVEL

Static water level 227 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	6	TOPSOIL		X
↑	6	8	Gray Lava		X
	8	19	Black Lava		X
	19	36	Black Lava		X
	36	53	Gray Lava		X
	53	97	Black Lava		X
	97	104	Brown Sand		X
↓	104	106	Black Lava		X
8	106	260	No Returns	X	
6	260	305	Black Lava	X	

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JUN 07 1988
Department of Water Resources
Southern Region Office

10.

Work started May 11 finished May 19 88

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Address Wendell Date 6-08-88
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

RECEIVED
Department of Reclamation

G24388

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. _____ Well No. _____ County Jerome

Owner A. M. Swainston

Address (Hunt) Jerome, Idaho

Driller J. Emmett Smith Inc.

Address Jerome, Idaho

Well location SW ¼ NW ¼ Sec. 9, T. 9 N/S, R. 19 EBM

Size of drilled hole 4 1/2" from 212 to 223 - 6" from 0 to 212

Total depth of well 223

Locate well in section

NW¼ x	NE¼
SW¼	SE¼

Give depth to standing water from the ground 183 Water temp. _____ °Fahr.

On "Pumping Test" delivery was 10 g.p.m. or _____ c.f.s. Drawdown was None feet.

Size of pump and motor used to make test Drill bailer

Length of time of test One hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic Weight of casing per lineal foot 8.6 Lb.

Thickness of casing .188 Casing material Steel Pipe
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 4 1/2" OD 207' 11" set at 215 from ground level.
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

Drilled through 7' pit

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
4 1/2 OD	Ground Level	Below 215'	207' 11"	Driven with drive shoe

Number and size of perforations _____ located _____ feet to _____ feet from ground

_____ _____ _____

_____ _____ _____

Date of commencement of well June 23, 1960 Date of completion of well June 27, 1960

SW NW S. 9 9S 19E

100

024389

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	7	Pit		
7	212	Old Hole		
212	220	Lava, gray		
220	223	Loose lava & clay		
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed J. Emmett Smith Inc.

By J. Emmett Smith

License No. 11

Dated February 14, 1961

Form 238-7
6/93

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DEC 20 1993
Department of Water Resources

RECEIVED
OCT 27 1993
Department of Water Resources
Southern Region Office

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36 . 93 . S . 360 . 001
Other IDWR No. _____

2. OWNER:
Name Jim Thomas
Address 1553 Hunt Road
City Jerome State Id Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

T. 8 North ☐ or South ☒
R. 19 East ☐ or West ☐
Sec. 35, 10 acres 1/4 SW 40 acres 1/4 SW 160 acres 1/4
Gov't Lot _____ County JEROME

Address of Well Site 1640 Hunt Rd
(Give at least Direction + Distance to Road or Landmark)
Lot No. _____ Block No. _____ Subd. Name _____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK DEEPEN
☐ New Well ☒ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD

Was drive shoe seal tested? YES ☐ NO ☐ How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Casing	Liner	Steel	Plastic	Welded	Threaded
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes _____
Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/Pipe Size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

10. WELL TESTS: 108679
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time
10	None	178'	1/2

Temperature of water Cold Was a water analysis done? Yes ☐ No ☒
By whom? _____
Water Quality (odor, etc.) good
Bottom Hole Temperature Cold

11. STATIC WATER LEVEL:
178 ft. below surface Depth artesian flow found _____
Artesian pressure _____ lb. Describe access port _____
Describe Controlling Devices: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	GPM	SWL
6"	185	194	Black basalt		178
	194	200	Grey basalt		
	200	201	Broken basalt		
	201	218	Grey basalt		
	218	226	Red clay & cinders		
	226	232	Grey scoria (lost cuttings)		
	232	242	Grey basalt		
	242	249	Brown basalt (lost cuttings)		178
	249	255	Brown clay		

MICROFILMED
FEB 28 1994

Date: Started 30 Sept Completed 6 Oct 1993

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Firm Official Blaine Boley Jr Date 6 Oct 1993
and
Supervisor or Operator Russell Boley Date _____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

RECEIVED
Department of Reclamation

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Edith V. Thomason

Address Rt. 4 Jerome, Idaho

Owner's Permit No. I 01516836-70352

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 20 inches Total depth 541 feet

Casing schedule: ☑ Steel ☐ Concrete

Thickness	Diameter	From	To
.250	20"	+ 18in	
inches	inches	+1½ feet	20 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☑ No

Perforated? ☐ Yes ☑ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation ____ inches by ____ inches

Number		From	To
	perforations	feet	feet
	perforations	feet	feet
	perforations	feet	feet

Well screen installed? ☐ Yes ☑ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☑ No Size of gravel

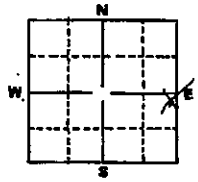
Placed from feet to feet

Surface seal? ☑ Yes ☐ No To what depth 20 feet

Material used in seal ☑ Cement grout ☐ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



26

County Jerome

NE ¼ SE ¼ Sec. 19 T. 8 S/N, R. 17 E/W

7. WATER LEVEL

Static water level 350 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature 52 ° F. Quality Good

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

Was Not Tested

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
20"	0	6	Top Soil & Clay		
	6	8	lose lava		no
	8	13	Lava Grey		no
	13	16	Lava loose		no
	16	22	lava grey		no
	22	90	Lava Pinkish grey		no
	90	120	Lava Cracked red		no
	120	138	Lava " Loose grey		no
	138	152	Lava Seamed Pink		no
	152	175	Lava loose grey		no
	175	216	lava cracked grey pinkish		no
	216	246	lava grey		no
	246	256	lava loose red		no
	256	264	lava grey pink		no
	264	283	lava loose red		no
	283	297	lava seamed grey pink		no
	297	322	lava loose pink		no
	322	334	lava grey hard		no
	334	355	lava some loose grey		no
	355	362	lava, clay & sand, drip of water		
	362	368	Lava, porous pluged with clay		no
	368	374	lava grey hard		no
	374	385	lava, broken, lost part cuttings	yes	
	385	411	lava grey hard		no
	411	415	Lava, loose, lost most of cut	yes	
	415	500	lava grey hard		no
	500	521	grey hard little water 500	yes	
	521	525	lava, loose, lost most cuttings		yes
	525	541	Lava grey hard		no

100647

10. Work started Jan. 12 1969 finished 1-16-69

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Smith Drilling & Pump Co. Inc 11
Driller's or Firm's Name Number

Address 365 West Main Jerome, Idaho 83338

Signed By J. Emmett Smith Date 11-15-69

USE ADDITIONAL SHEETS IF NECESSARY

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D _____
DRILLING PERMIT NO. 815045; ID 385725; App 882543
Water Right or Injection Well No. _____

2. OWNER:
Name J. B. Thomason
Address 49 North 800 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17, ____ 1/4 (10 acres) NE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot _____ County Jerome
Lat: : : Long: : :
Address of Well Site _____
49 North 800 East (Give At least name of road + Distance to Road or Landmark) City Jerome
Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☒ Abandonment ☐ Other _____

6. DRILL METHOD:
☐ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	312	-9	45 S	Poured
Cement	-9	-8		

Was drive shoe used? ☐Y ☐N Shoe Depth(s) _____
Was drive shoe seal tested? ☐Y ☐N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐Y ☐N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method _____
Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
0 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
_____ Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
			ABANDONMENT		
5"			Old well had pumped dry and was in an 8 ft pit. The well was filled with 45 bags of bentonite from 312 to -9'. A 1 ft cement plug was put on top of bentonite from -9' to -8 ' (in pit).		

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MAY 13 2004
Department of Water Resources
Southern Region

Completed Depth _____ (Measurable)
Date: Started 5-10-04 Completed 5-10-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 5-12-04
and
Driller or Operator II _____ Date _____
Operator I Michael Barnes Date 5-12-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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AO 882471 ID 38 0395

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0030395
DRILLING PERMIT NO. 814810
Water Right or Injection Well No.

2. OWNER:
Name J. B. Thomason
Address 49 North 800 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 ____ 1/4 (10 acres) NE 1/4 (40 acres) SE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: : : Long: : :
Address of Well Site
49 North 800 East City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	5	20	4 S	Poured

Was drive shoe used? ☒Y ☐N Shoe Depth(s) 299 ft.
Was drive shoe seal tested? ☒Y ☐N How? Air pressure

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	299	.250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐Y ☐N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
314 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Baller ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments:
Depth first Water Encounter ____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	11	Topsoil		x
	11	142	Gray basalt		x
	142	156	Brown basalt		x
	156	217	Gray basalt		x
	217	232	Brown ash		x
	232	257	Fractured gray basalt		x
	257	270	Cinders		x
	270	299	Gray basalt		x
6"	299	307	Gray basalt		x
	307	321	Brown basalt, lost circulation	x	
	321	405	Fractured	x	
			Actual bore hole diameter is 8-3/4" and 6-1/8"		

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MAY 13 2004
Department of Water Resources
Southern Region

Completed Depth 405 ft. (Measurable)
Date: Started 5-10-04 Completed 5-11-04

14. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Principal Driller Arnold Elsing Date 5-12-04
and
Driller or Operator II CRAIG EGAN Date 5-12-04
Operator I Lloyd Hayle Date 5-12-04
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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4750 S

RECEIVED
SEP 15 1961
Department of Reclamation

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No.____ Well No.____ County Jerome

Owner Rice .Thomason

Address Route 3 Jerome, Idaho

Driller J. Emmett Smith

Address 365 West Main Street Jerome, Idaho

Well location NW ¼ NW ¼ Sec. 29, T. 8 N/S, R. 18 E/W

Size of drilled hole Redrilled Hole at 5 5/8".

Total depth of well 333

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 325 Water temp.____ °Fahr.

On "Pumping Test" delivery was____ g.p.m. or____ c.f.s. Drawdown was____ feet.

Size of pump and motor used to make test____

Length of time of test 1 hours____ minutes.

If flowing well, give flow____ c.f.s. or____ g.p.m. and of shut off pressure____

If flowing well, described control works____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Domestic Purposes Weight of casing per lineal foot____

Thickness of casing____ Casing material____ (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing No Casing well with Redrill (CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.

Number and size of perforations____ located____ feet to____ feet from ground

Date of commencement of well 3-18-61 Date of completion of well 3-22-61

usgs.

NW NW 5.29 8S 18E

141

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Any. Yes or No	Casing Perforated Any. Yes or No
0	325	Old Hole and no record on the driller or the hole.		
325	331	Porous Rock	Yes	No
331	333	Cinders	Yes	No
		If more space is required use Sheet No. 2		

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated June 23, 1961

Correction

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Well ID No.
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0C36685
DRILLING PERMIT NO.
Water Right or Injection Well No.

2. OWNER:
Name Tim Thomasin
Address 9 W 100 N
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 8 North ☐ or ☐ South ☑
Rge. 18 ☐ East ☑ or ☐ West
Sec. ~~25~~ 29 ~~SW~~ NW ~~NW~~ NW ~~SW~~ NW
Gov't Lot County Jerome
Lat: : : Long: : :
Address of Well Site 132 S 700 E
City Jerome
Lot ____ Blk. ____ Sub. Name

4. USE:
☑ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☑ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:
☐ Air Rotary ☑ Cable ☐ Mud Rotary ☐ Other

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
N/A				

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s)
Was drive shoe seal tested? ☐ Y ☐ N How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
N/A					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe
Packer ☐ Y ☐ N Type

9. PERFORATIONS/SCREENS PACKER TYPE
Perforation Method
Screen Type & Method of Installation

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
N/A						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
285 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

12. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. Bottom hole temp.
Water Quality test or comments:
Depth first Water Encounter

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
5	293	295	Cuttings & Rocks		✓
	295	302	Grey Basalt		✓
	302	323	Broken Basalt	✓	
	323	327	Grey Basalt		✓

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JUN 23 2006
DEPT. OF WATER RESOURCES
SOUTHERN REGION

Completed Depth 327' (Measurable)
Date: Started 7/9/05 Completed 7/13/05

14. DRILLER'S CERTIFICATION
We certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Kodiak Drilling Co Firm No. 531
Principal Driller Date
and
Driller or Operator II Date 7/16/05
Operator I Date
Principal Driller and Rig Operator *Required.*
Operator I must have signature of Driller/Operator II.

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Form 238-7
7/94

RECEIVED Page 1 of 2

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

JAN 12 1998

Use Typewriter or Ball Point Pen

Department of Water Resources
Southern Region

061238

1. DRILLING PERMIT NO. 37 -97S- -0083 -000
Other IDWR No. D 2060

2. OWNER:
Name TIM HESBY
Address
City Dietrich State Idaho Zip 83324

RECEIVED

3. LOCATION OF WELL by legal description: FEB 06 1998
Sketch map location must agree with written location.

Department of Water Resources

N / W / E / S

Twp. 8S 18E S North ☐ or South ☒
Rge. East ☐ or West ☐
Sec. 12, 1/4 SE 1/4 SW 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Lincoln

Address of Well Site
City Dietrich
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☐ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	18		Overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? Y ☐ N ☒ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5-8"	1	1925	0	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

MICROFILMED

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

MAY 06 1998

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
256 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

11. WELL TESTS: None
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. ____ Bottom hole temp. ____
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	TopSoil		X
	3	5	Gray Basalt		
	5	11	Brown Sand & Clay		
8-6	11	34	Gray Basalt		
6	34	40	Gray Basalt Lg.Breaks-Crevice		
	40	53	Gray Basalt		
	53	67	BASalt & red sand 7 clay		
	67	72	Gray basalt breaks		
	72	83	Med Hard Gray Basalt		
	83	87	Gray Basalt		
	87	94	Gray Basalt sm.breaks&Br.Clay		
	94	102	Pink & Gray Basalt		
	102	116	Gray Basalt		
	116	119½	Crevice		
	119½	131	Med Hard		
	131	133	Large Breaks		
	133	143	Med Hard small breaks		
	143	148	Med Hard		
	148	152	Large breaks w soft spots		
	152	155½	Med Hard Breaks		
	155½	157	Large breaks		
	157	173	Med Hard small breaks		
	173	177	Med Hard		
	177	180	Large breaks		
	180	191	Med Hard Gray Basalt		
	191	203	Med Hard small breaks		
	203	207	Large breaks		
	207	211	small breaks		
	211	213	Large Breaks		
	213	223	Med Hard		
	223	233	Med Hard small breaks		
	233	234	Large breaks		
	234	235	Med Hard		X

Completed Depth 323 ft. (Measurable)
Date: Started 7-11-97 Completed 7-13-97

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11
Firm Official ____ Date 11-15-97
and
Supervisor or Operator ____ Date 11-15-97
(Sign once if Firm Official & Operator)

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Page 2

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

061259

1. DRILLING PERMIT NO. ____-____-__-_____-_____
Other IDWR No._____

2. OWNER: CONTINUED FROM PAGE 1
Name TIM HESBY
Address_____
City_____ State____ Zip_____

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp._____ North ☐ or South ☐
Rge._____ East ☐ or West ☐
Sec._____, _____ 1/4 _____ 1/4 _____ 1/4
(10 acres, 40 acres, 160 acres)
Gov't Lot _____ County_____
Address of Well Site_____
_____ City_____
(Give at least name of road + Distance to Road or Landmark)
Lt._____ Blk._____ Sub. Name_____

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other_____

5. TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☐ Air Rotary ☐ Cable ☐ Other_____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s)_____
Was drive shoe seal tested? Y☐ N☐ How?_____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe_____ Length of Tailpipe_____

9. PERFORATIONS/SCREENS MICROFILMED
☐ Perforations Method_____
☐ Screens Screen Type_____ MAY 0 6 1998

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
_____ft. below ground Artesian pressure _____lb.
Depth flow encountered _____ft. Describe access port or control devices:_____

85 18E 12 SE SW

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp._____ Bottom hole temp._____
Water Quality test or comments:_____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	235	237	Large breaks		X
	237	242	Med Hard small breaks		
	242	247	Med Hard		
	247	248	Large breaks		
	248	256	Med Hard small breaks trace		
	256	268	Large breaks		
	268	278	Hard Med		
	278	283	Large breaks and loose basalt		
	283	290	small breaks		
	290	298	Med Hard		
	298	303	small breaks		
	303	308	Med Hard	X	
	308	323	Med Hard small breaks	X	

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JAN 12 1998
Department of Water Resources
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FEB 06 1998
Department of Water Resources

Completed Depth_____ (Measurable)
Date: Started _____ Completed_____

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name_____ Firm No._____
Firm Official_____ Date_____
and
Supervisor or Operator_____ Date_____
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

6751-7 RECEIVED
SEP 03 1998
Department of Water Resources
Southern Region

D0002060

1. DRILLING PERMIT NO. 37-97-S-0083-000
Other IDWR No.

2. OWNER:
Name Tim Hesby
Address 1728 S 2300 E
City Dietrich State Idaho Zip 83324

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 6S North ☐ or South ☐
Rge. 18E East ☐ or West ☐
Sec. 12, ____ 1/4 (10 acres) SE 1/4 (40 acres) SW 1/4 (160 acres)
Gov't Lot ____ County

Address of Well Site
1728 S 2300 E City Dietrich
(Give at least name of road + Distance to Road or Landmark)

Lt. 14 Blk. 2 Sub. Name Dietrich

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	-18		overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? Y ☐ N ☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 5-8	+1	-19	250	Steel	X ☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
256 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
		RECEIVED	
		OCT 01 1998	

Water Temp. Bottom hole temp.
Water Quality test or comments: Department of Water Resources

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	3	top Soil		X
	3	5	Gray Basalt		
	5	11	Brown Sand and clay		
	11	34	Gray Basalt Breaks & Crevices		
	53	67	Basalt Red sand & clay		
	67	72	Broken Gray Basalt		
	72	83	Med Hard Gray BAsalt		
	83	87	Gray Basalt		
	87	94	Gray Basalt sm.breaks &Br.clay		
	94	102	Pink & Gray Baslat		
	102	116	Gray Basalt		
	116	119½	Crevice		
	119½	131	Med Hard		
	131	133	Large breaks		
	133	143	Med Hard small breaks		
	143	148	Med Hard		
	148	152	Large breaks and soft spots		
	152	155½	Med Hard Breaks		
	155½	157	Large breaks		
	157	173	Med Hard small breaks		
	173	177	Med Hard		
	177	180	Large breaks		
	189	191	Med Hard Gray Baslat		
	191	203	MedHard small breaks		
	203	207	Large breaks		
	207	211	Small breaks		
	211	213	Large breaks		
	213	223	Med Hard		
	223	233	Med Hard small breaks		
	233	234	Large breaks		
	234	235	Med Hard		
	235	237	Large breaks		
	237	242	Med Hard small breaks		X

MICROFILMED
NOV 04 1998

Completed Depth 323 (Measurable)
Date: Started 7-11-98 Completed 7-12-98

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11
Firm Official R. Darryl Smith Date 7-20-98
and
Supervisor or Operator Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY Typewriter or Ball Point Pen
[illegible] by
Twp 6S Rge 18E Sec 12
1/4 SE 1/4 SW 1/4

67518

1. DRILLING PERMIT NO. 37-92-S-0083-000
Other IDWR No. D8060

2. OWNER:
Name
Address
City State Zip

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. North ☐ or South ☐
Rge. East ☐ or West ☐
Sec. 1/4 (10 acres) 1/4 (40 acres) 1/4 (160 acres)
Gov't Lot County

Address of Well Site
City
(Give at least name of road + Distance to Road or Landmark)

Lt. Blk. Sub. Name

4. PROPOSED USE:
☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☐ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s)
Was drive shoe seal tested? Y☐ N☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
ft. below ground Artesian pressure lb.
Depth flow encountered ft. Describe access port or control devices:

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. Bottom hole temp.
Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
6	242	247	Med Hard		X
	247	248	Large Breaks		X
	248	256	Med Hard Large breaks	X	
	256	268	Large breaks		
	268	278	Med Hard		
	278	283	Large Breaks & loose		
	283	290	small breaks		
	290	298	Med Hard		
	298	303	small breaks		
	303	308	med hard		
	308	323	Med Hard small breaks	X	

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OCT 01 1998
Department of Water Resources

MICROFILMED
NOV 3 1998

Completed Depth (Measurable)
Date: Started Completed

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Firm No.
Firm Official Date
and
Supervisor or Operator Date
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLROINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED FEB 20 1981 Department of Water Resources Southern District Office

1. WELL OWNER

Name Clyde G. Traughber

Address Jerome

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8OD inches +	1 feet	-39½ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

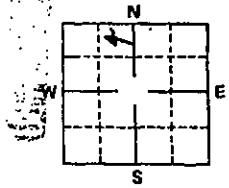
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout ☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NE ¼ NW ¼ Sec. 21, T. 8S N/S, R. 18 E/W.

7. WATER LEVEL

Static water level 248 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. Hole _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ____ °F. Quality _____

8. WELL TEST DATA NONE

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	12	Top Soil		X
	12	15	Broken Gray Basalt w/top Soil		
	15	24	Red Clay & Sand		
	24	32	Broken Gray Basalt w/top soil		
	32	36	Med Hard Brown Basalt w/sm. breaks		
	36	38	Hard Gray Basalt w/sm. breaks		
8/6	38	51	Hard Gray Basalt		
6	51	59	Hard Gray-Brown Basalt w/sm. breaks		
	59	67	Hard Gray Basalt		
	67	73	Med Hard Brown Basalt w/lg. breaks		
	73	81	Hard Gray Basalt w/lg. breaks		
	81	91	Hard Gray Basalt w/sm. breaks		
	91	98	Hard Brown Basalt w/sm. breaks		
	98	113	Hard Gray-Brown Basalt		
	113	133	Hard Gray Basalt w/small breaks		
	133	138	Hard Brown Basalt w/lg. breaks		
	138	142	Med Hard Brown Basalt w/lg. breaks		
	142	149	Hard Gray Basalt		
	149	153	Hard Gray Basalt w/small breaks		
	153	158	Hard Gray Basalt w/large breaks		
	158	165	Hard Gray Basalt w/small breaks		
	165	172	Hard Light Brown Clay		
	172	197	Hard Gray Basalt		
	197	203	Med Hard Gray Basalt w/lg. breaks		
	203	213	Med Hard w/lg. breaks		
	213	218	Hard w/large breaks		
	218	225	Med Hard w/large breaks		
	225	231	Hard w/large breaks		
	231	238	Hard w/small breaks		
	238	249	Hard w/large breaks		X
	249	253	Hard w/small breaks	trace	
	253	260	Hard		X
	260	276	Hard w/large breaks	X	
	276	281	Hard		
	281	285	Hard w/small breaks		
	285	300	Broken/very large breaks/traces Cinders	X	

10.

Work started 4/15/80 finished 4/16/80

11. DRILLERS CERTIFICATION Cb dL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name SMITH DRILLING & PUMP CO. INC. Lic. No. 11
Address Jerome Date 4/16/80
Signed by (Firm Official) _____
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Dale Trowbridge
Address 372 S 1700 E Jerome Id
Drilling Permit No. 36-92-S-129
Water Right Permit No. #

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SW ¼ NW ¼ Sec. 1, T. 9 N ☐ S ☑, R. 19 E ☑ W ☐

7. WATER LEVEL

Static water level 232 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature Cold °F. Quality good
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	232	1

9. LITHOLOGIC LOG 84511

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	234	237	Basalt	X	
	237	241	Cinders	X	
	241	244	Basalt	X	
	244	251	Basalt & scoria ia Thin layers	X	
	251	267	Basalt	X	
	267	274	Scoria	X	
	274	282	Basalt		X

RECEIVED
MAY 15 1992
Department of Water Resources
Southern Region Office

RECEIVED
JUL 7 1992
Department of Water Resources

AMENDED
DEC 07 1992

10. Work started 15 May finished 18 May 1992

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Date 18 May 1992
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
1/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED
FEB 24 1993
Department of Water Resources

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name John Urie
Address 1202 E 800 S Eden Id
Drilling Permit No. 36-93-S-0018-001
Water Right Permit No. _____

2. NATURE OF WORK

☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

3. PROPOSED USE

☑ Domestic ☐ Irrigation ☐ Monitor
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Auger ☐ Reverse rotary
☑ Cable ☐ Mud ☐ Other _____ (backhoe, hydraulic, etc.)

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
____ inches	____ inches +	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet
____ inches	____ inches	____ feet	____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation? ____ inches by ____ inches

Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

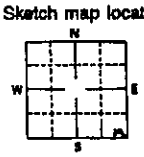
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth ____ Material used in seal: ☐ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit
☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded
☐ Solvent Weld ☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
Address of Well Site Same
(give at least name of road)
SE ¼ SE ¼ Sec. 25, T. 9 N ☐ or S ☒, R. 18 E ☒ or W ☐

7. WATER LEVEL

Static water level 190 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	190	1/2

9. LITHOLOGIC LOG 104013

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	193	195	Cinders	X	
	195	225	Grey-brown basalt	X	
	225	227	Scoria	X	
	227	235	Grey basalt	X	

RECEIVED
FEB 22 1993
Department of Water Resources
Southern Region Office

10.

Work started 3 finished 5 feb 1993

11. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Boley & Henry Firm No. 86
Address Murtaugh Id Date 15 Feb 1993
Signed by Drilling Supervisor Blaine Boley
and
(Operator) Blaine Boley
(If different than the Drilling Supervisor)

RECEIVED
AUG 09 1993

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
7/82

Pg 1 of 2

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED
AUG 31 1993
Department of Water Resources

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name W. E. SCHREIBER

Address P.O.Drawer D, Whitefish, Montana

Owner's Permit No. 36-93-S-0305-000

2. NATURE OF WORK

~~☒ New well~~ ☐ Deepened ☒ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches + 1½	feet	-308½ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

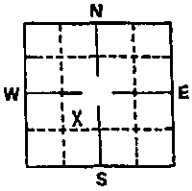
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number		From	To
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet
_____	perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
727 E. 100 S. Jerome
County Jerome
NE ¼ SW ¼ Sec. 20, T. 8S N/S, R. 18E E/W.

7. WATER LEVEL

Static water level 266 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

70309

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

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AUG 23 1993
Department of Water Resources
Southern Region Office

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	6	Top Soil		
	6	16	Gray BAsalt		
	16	20	Pink Basalt		
	20	27	Gray Basalt		
	27	31	Pink Basalt		
	31	35	Gray BAsalt		
	35	39	Bray Basalt broken		
	39	49	Gray Basalt		
	49	55	Gray Baselt w/small breaks		
	55	56½	Gray Basalt Brokenw/Brown clay		
	56½	69	Gray Basalt		
	69	79	Gray Basalt w/small breaks		
	79	86	Pink-Gray Basalt breaks		
	86	95	Pink-Gray Basalt broken t clay		
	95	103	Gray Baslat Breaks		
	103	109	Gray Basalt Med Hard		
	109	115	Gray Basalt		
	115	120	Gray Basalt Porous w/breaks		
	120	121½	Crevice		
	121½	127	Med Hard w/small breaks		
	127	128	Crevice		
	128	131	Med Hard		
	131	132½	Crevice		
	132½	135	Large breaks and soft spots		
	135	137	Crevice		
	137	146	Med Hard w/breaks		
	146	152	Med Hard		
	152	155	Med Hard w/large breaks		
	155	157	Med Hard		
	157	157½	Crevice		
	157½	163	Med Hard w/small breaks		
	163	169	Large breaks		
	169	174	Med Hard w/small breaks		
	174	183	Med Hard		
	183	185	Crevice and large breaks		
	185	194	Med hard		

10. C O N T I N U E D ON THE NEXT PAGE

Work started 8-5-93 finished 8-11-93

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

SMITH DRILLING & PUMP CO., INC. 11
Firm Name _____ Firm No. _____

Address Jerome Date 8/20/93

Signed by (Firm Official) [signature]

and

(Operator) Melton F. Robbins

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

orm 238-7
/82

Page 2 of 2

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

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AUG 31 1993
Department of Water Resources

1. WELL OWNER CONTINUED FROM PAGE 1

Name W. E. SCHREIBER

Address

Owner's Permit No. 36-93-S-0305-000

2. NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

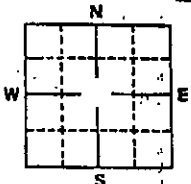
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

727 E 100 S Jerome

County Jerome

NE ¼ SW ¼ Sec. 20, T. 8S N/S, R. 18E E/W.

7. WATER LEVEL

Static water level _____ feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 70310

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	194	200	Med Hard w/breaks		X
	200	203	Med Hard		
	203	205	Med Hard w/large breaks		
	205	207	Med Hard		
	207	211	Med Hard w/large breaks		
	211	222	Med Hard		
	222	235	Med Hard w/large breaks		
	235	249	Med Hard w/smallb reaks		
	249	251	Med Hard		
	251	253	Soft		
	253	261	Med Hard		
	261	270	Soft		
	270	275	Med Hard w/large breaks		
	275	278	Soft		
	278	284	Med Hard w/breaks		
	284	290	Med Hard		
	290	299	Large Breaks & Soft spots		
	299	306	Med Hard small breaks		
	306	309	Med Hard		
6	309	319	Gray Basalt med Hard		
	319	324	Gray Basalt		X
	324	332	Lg breaks Gray-Red Basalt	Xt	clay
	332	335	Gray Baslat small breaks	Med X	sand
	335	338	Gray Basalt large breaks		
	338	350	Med Hard Gray Basalt		
	350	355	Med Hard Gray Basalt sm. breaks		
	355	365	Pink-Gray Basalt porous breaks		
	365	374	Gray Basalt		
	374	382	Pink Basalt lg. breaks	X	

10.

Work started _____ finished _____

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name _____ Firm No. _____

Address _____ Date _____

Signed by (Firm Official) _____

and

(Operator) _____

FEB 09 1994

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Basin 36 IP 341960
App 86725?
Per 76995

Form 238-7
11/97

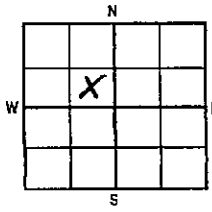
IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0016394
DRILLING PERMIT NO. ____-____-____-_____-_____
Other IDWR No. _____

2. OWNER:
Name Randy Waters
Address 233 South 1450 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 8 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 33, ____ 1/4 SE 1/4 NW 1/4
Gov't Lot ____ County Jerome
Lat: : : Long: : :

Address of Well Site _____
233 South 1450 East City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☐ New Well ☐ Modify ☐ Abandonment ☒ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	5	25	4 S	Poured
Overbore to seal depth				

Was drive shoe used? ☐Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	258	250	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
221 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8"	0	2	Topsoil		x
	2	99	Gray basalt		x
	99	108	Fractured gray basalt		x
	108	120	Sand & cinders		x
	120	138	Fractured gray basalt		x
	138	142	Cinders, lost circulation		x
	142	148	Fractured basalt		x
	148	154	Ash		x
	154	168	Cinders		x
	168	177	Tan sandy clay	x	
	177	194	Fractured gray basalt		x
	194	258	Gray basalt		x
6"	258	263	Gray basalt		x
	263	266	Red ash & cinders	x	
	266	329	Fractured gray basalt	x	
	329	340	Brown ash & cinders	x	
	340	347	Fractured gray basalt	x	
	347	355	Brown ash & cinders	x	

RECEIVED
JUL 24 2001
Department of Water Resources
Southern Region

RECEIVED
JUL 27 2001
Department of Water Resources

Completed Depth 355 ft. (Measurable)
Date: Started 7-19-01 Completed 7-20-01

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Elsing Drilling Firm No. 31
Firm Official Arnold Elsing Date 7-23-01
and
Driller or Operator CRAIG EGAN Date 7-23-01
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT 054557

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0008390
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Glen Weeks
Address 2933-B HWY 25
City Eden State ID Zip 83325

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 19 East ☒ or West ☐
Sec. 7 ____ 1/4 (10 acres) SW 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site HWY 25 E., south mile
marker 15, 1526 HWY 25 City Jerome
(Give at least name of road + Distance to Road or Landmark)
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack Material	From	To	AMOUNT Sacks or Pounds	METHOD
bentonite	0	19	200lbs.	dry pour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
6	+1	19	.25	steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
197 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. <85
Water Quality test or comments: ____
Depth first Water Encountered 210'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	16	sand & hard pan		
8	16	19	medium hard lava		
6	19	50	medium hard lava		
6	50		soft red lava, cinders &		
		73	pockets		
6	73	83	medium lava		
6	83	85	cinders		
6	85	98	soft lava		
6	98	103	ash & silt		
6	103	109	broken medium lava		
6	109	115	soft & cinders		
6	115	123	medium lava		
6	123		soft, broken cinders- no		
		130	returns		
6	130	145	medium lava		
6	145	153	soft lava & cinders		
6	153	169	medium lava		
6	169	177	soft lava & cinder pocket		
6	177	203	medium lava		
6	203	211	ash & clay	X	
6	211	231	soft to medium lava	X	
6	231	255	porous medium lava	X	
6	255	265	medium porous	X	

RECEIVED
OCT 19 1999
Department of Water Resources
RECEIVED
SEP 03 1999
Department of Water Resources
Southern Region
MICROFILMED
NOV 30 1999

Completed Depth 265' (Measurable)
Date: Started 8/24/99 Completed 8/25/99

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & Pump Service, Inc. Firm No. 26
Firm Official _____ Date 8/27/99
and
Driller or Operator _____ Date 8/26/99
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
11/97

C

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

67547

Office Use Only
Inspected by _____
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 000 2549
DRILLING PERMIT NO. 36-98-S-0103-000
Other IDWR No. _____

2. OWNER:
Name Gene Weiss & Mary Ann Weiss
Address 4514 Snake River Rd
City Buhl State Id Zip 83316

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 6S North ☐ or South ☒
Rge. 19E East ☒ or West ☐
Sec. 34 ____ 1/4 (10 acres) SE 1/4 (40 acres) NE 1/4 (160 acres)
Gov't Lot ____ County _____
Lat: : : Long: : :
Address of Well Site 200 400E
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	200 lbs	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s): _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	19	25	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
Perforations Method _____
Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
308 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: Well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min:	Drawdown	Pumping Level	Time

Water Temp. ± 85° Bottom hole temp. _____
Water Quality test or comments: _____
Depth first Water Encounter. _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	18	Top Soil		
8	18	19	Bl Lava		
6	19	22	Bl Lava		
	22	24	Broken		
	24	97	Bl Lava		
	97	99	Broken		
	99	106	Med Hard breaks		
	106	123	Bl Lava		
	123	124	Crumbsse		
	124	136	Hard		
	136	138	Broken		
	138	180	Hard		
	180	184	Broken Cinders		
	184	188	Hard		
	188	189	Broken		
	189	196	Hard		
	196	198	Broken		
	198	206	Hard		
	206	238	Med Hard breaks		
	238	242	Soft broken		
	242	291	Hard		
	291	294	Broken?		
	294	314	Hard		
	314	318	Soft broken		
	318	322	Med Hard breaks		
	322	329	Soft		
	329	345	Soft broken		

RECEIVED
SEP 08 1998
Department of Water Resources

RECEIVED
AUG 25 1998
MICROFILMED
Department of Water Re
Southern Region
NOV 04 1998

Completed Depth 345 (Measurable)
Date: Started 7-4-98 Completed 7-9-98

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling Firm No. 26
Firm Official _____ Date 7-18-98
and
Driller or Operator _____ Date 7-8-98
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED
JUN 10 1974
Department of Water Administration
Southern District Office

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name WESTOVER & BEAN

Address JEROME, IDAHO

Owner's Permit No.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 300 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	inches	+1 feet	21 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation inches by inches

Number	From	To
perforations	feet	feet
perforations	feet	feet
perforations	feet	feet

Well screen installed? ☐ Yes ☐ No

Manufacturer's name

Type Model No.

Diameter Slot size Set from feet to feet

Diameter Slot size Set from feet to feet

Gravel packed? ☐ Yes ☐ No Size of gravel

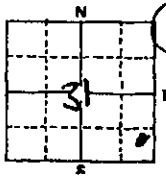
Placed from feet to feet

Surface seal depth 21 Material used in seal ☐ Cement grout ☒ Puddling clay ☐ Well cuttings

Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name

Lot No. Block No.

County JEROME

SE ¼ SE ¼ Sec. 31 T. 9 N(S) R. 19 E(W)

7. WATER LEVEL

Department of Water Administration
Southern District Office

Static water level 240 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature ° F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG 041261

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	0	12	TOP SOIL		X
	12	16	GREY LAVA		
	16	18	CREVACE		
	18	34	GREY LAVA		
	34	39	CINDERS		
	39	52	GREY LAVA		
	52	56	CINDERS		
	56	104	GREY LAVA & CINDERS		
	104	114	CINDERS COST CUTTING'S		
	114	128	MED. HARD		
	128	131	MED. SOFT		
	131	169	HARD		
	169	225	MED. HARD		
	225	228	SOFT		
	228	262	MED. HARD		
	262	265	CINDERS & WATER	X	
	265	275	MED HARD		X
	275	290	CINDERS	X	
	290	300	MED. HARD		X

10. Work started 6-4-74 finished 6-5-74

11. DRILLERS CERTIFICATION

Firm Name ELSING WELL DRILLING Firm No. 31

Address P.O. BOX 919 TWIN FALLS Date 6-22-74

Signed by (Firm Official)

and (Operator)

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED
AUG 25 1995
Department of Water Resources

Use Typewriter or Ball Point Pen

49422

1. DRILLING PERMIT NO. 36-95-S-0112-000
Other IDWR No.

2. OWNER:
Name Bruce Whitmire
Address 520 South 800 East
City Jerome State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 17 1/4 NE 1/4 NE 1/4 (10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Jerome

Address of Well Site 520 S 800 E
City Jerome
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name ____

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	0	19	200 pounds Dry	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? Y☐ N☐ How? ____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+1	19	250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
134 ft. below ground Artesian pressure ____ lb.
Depth flow encountered 189 ft. Describe access port or control devices: well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. 85 Bottom hole temp. 85
Water Quality test or comments: ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	7	Top Soil		
	7	26	Gray Lava		
6	26	28	Black Lava		
	28	41	Black + Brown Lava		
	41	42	Crevice		
	42	44	Gray Lava		
	44	46	Crevice No Returns		
	46	51	Broken + Clay		
	51	61	Hard		
	61	75	Med Hard		
	75	89	Hard		
	89	98	Med Hard		
	98	99	Crevice		
	99	137	Med Hard		
	137	151	Hard		
	151	157	Med Hard		
	157	171	Hard		
	171	184	Med Hard		
	184	186	Crevice		
	186	189	Broken Soft	X	
	189	194	Med Hard Broken	X	
	194	198	Med Hard		
	198	201	Soft Broken	X	
6	201	220	Hard		

RECEIVED
JUL 07 1995
Department of Water Resources
Southern Region

Completed Depth 224 (Measurable)
Date: Started 6-19-95 Completed 6-19-95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Eaton Drilling Firm No. 26
Firm Official [signature] Date 6-19-95
and
Supervisor or Operator Michael Tylland Date 6-20-95
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
7/94

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

49423

1. DRILLING PERMIT NO. 47-95-5-0082-000
Other IDWR No.

2. OWNER:
Name Sarah Wolf
Address 415 Frostland ST
City Buhl State ID Zip 83316

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N / W / E / S

Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 22 ____ 1/4 NE 1/4 SW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County

Address of Well Site Carter Pac Road
City Buhl
(Give at least name of road + Distance to Road or Landmark)

Lt. ____ Blk. ____ Sub. Name

4. PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

5. TYPE OF WORK
☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	2	18	2 sacks	Mix a Bour

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)
Was drive shoe seal tested? Y☐ N☐ How?

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+1	19	250	Steel	☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe

9. PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
59 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: well Cap

11. WELL TESTS:
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15		75	1 HR

Water Temp. 85 Bottom hole temp.
Water Quality test or comments: Clear + no odor

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
8	0	0.5	Topsoil		
	0.5	11	Decomposed Lava		
	11	19	Lava		
6	19	28	Lava		
	28	30	Lava w/ Clay		
	30	33	Clay		
	33	38	Lava w/ Clay		
	38	41	Clay		
	41	55	Lava		
	55	60	Clay		
	60	80	Gravel (water)	✓	

RECEIVED
Department of Water Resources
RECEIVED
AUG 25 1995
Department of Water Resources

Completed Depth 80 (Measurable)
Date: Started July 15 95 Completed July 15 95

13. DRILLER'S CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name BUSHOP DRILLING Firm No. 590
Firm Official Ron Bishop Date July 17-95
and
Supervisor or Operator Date July 15-95
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
FEB 20 1990
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Wood River Cattle Co. Ranch

Address P.O. Box 479, Bellvue, Idaho 83313

Owner's Permit No. 36-89-S-093 ok

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☒ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	6 5/8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

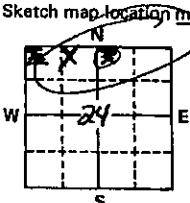
Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 19' Material used in seal: ☒ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☒ Cemented between strata ☐ _____
Describe access port Steel Plate

MICROFILMED
JUN 13 1990

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
NE ¼ NW ¼ Sec. 24, T. 9S. N ☐ S ☒ R. 18 E ☒ W ☐

7. WATER LEVEL

Static water level 160' feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

9. LITHOLOGIC LOG 021882

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	4	Top Soil		X
7/6"	4	25	Lava		X
	25	28	Red Sand + Clay		X
	28	50	Lava		X
	50	54	Red Cinders		X
	54	65	Lava		X
	65	68	Red Cinders		X
	68	75	Orange Clay Sand		X
	75	90	Brown Clay Sand		
	90	98	Lava		
	98	103	Red Cinders		
	103	118	Lava		
	118	125	Gray Sand & Gravel		
	125	130	& Clay & Sand		X
	130	134	Black Cinders + Sand	X	
	134	137	Red Cinders		X
	137	141	Lava		X
	141	160	Sand - Black		
	160	182	Lava		X
	182	190	Red Cinders	X	X
	190	235	Lava		X
	235	275	Red & Black Cinders	X	
	275	280	Lost Circulation		X

RECEIVED
FEB 9 - 1990
Department of Water Resources
Southern Region Office

Work started 12-18-89 finished 12-18-89

11. DRILLER'S CERTIFICATION DL

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Ekins Drilling Firm No. 31
P.O. Box 919
Address Twin Falls, Ida. 83301 Date 12-26-89
Signed by (Firm Official) Ronald Ekins
and
(Operator) Ronald Ekins

USE ADDITIONAL SHEETS IF NECESSARY -- FORWARD THE WHITE COPY TO THE DEPARTMENT

06/03/2002 03:04 FAX 1 5362024 EATON DRILLING → IDWR 01

Basin 36
App 871751
IW 349865

235-1
/96 (LDT)

RECEIVED
JUN 03 2002
Department of Water Resources
Southern Region

Drilling Permit No. 778124
Drilling Permit I.D. Tag No. D0023147
Water Right Permit No. A36-04042
Injection Permit No.

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

wner (please print): James LeRoy Wyatt

lailing Address: 376 S 1100 E

ity: Hazelton State: Id Zip Code: 83338 Telephone 825-5070

roposed Well Location: Twp. 9 S Rge. 18 E Sec. 1 (one) 1/4 NW 1/4 NW 1/4;

ov't Lot No. _____ County Jerome Lat. ___ : ___ : ___ Long. ___ : ___ : ___

treet Address of Well Site No Road out on Farm : approx 1110 E 300 S City Hazelton
Give at least name of road + Distance to Road or Landmark

ot, block and subdivision _____

roposed Use of Well:

] DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock (1,000 head or less) and for any other purpose in connection therewith, including irrigation of up to ½ acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

ION-DOMESTIC: [X] Irrigation [ ] Municipal [ ] Industrial
[ ] Stock (Over 1,000 Head) [ ] Test [ ] Other _____ (Describe)

] INJECTION

] MONITORING: A well bore schematic and map is required for each blanket permit.
No. of proposed wells: _____

Vell Construction Information:

A. [ ] New well [X] Modify [ ] Replace

B. Proposed Casing Diameter — Hoe 20" or 18" Proposed Maximum Depth 350 ?

C. Anticipated bottom hole temperature:
[X] 85°F or less (Cold Water Well) [ ] 85°F to 212°F (Low Temp. Geo. Well) [ ] 212° F. or more (Geothermal Well)

Construction Start Date: 6-5-02

Anticipated Well Driller: Eaton Driller's Lic. No. 26
NOTE: The actual well driller must be identified prior to drilling.

Applicant's Signature: Ly Nelson Date 6-3-02

Address (if different than owner): _____

City: _____ State: ___ Zip Code: _____ Telephone _____

Title: _____
(Owner, Firm Representative, Other)

S024965
S024979

Printed 06/05/2002
Drilling Permit No. 778124
Well Tag No. D0023147
Well ID # 349865
Water Right No. 36-4042
Receipt # S024965
Approved Date 06/05/2002

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
DRILLING PERMIT

Relationship: Owner/Operator
Name: JAMES LEROY WYATT
Address: 376 S 1100 E
JEROME ID 83338

Phone: (208)825-5070

Proposed Well Location: Township 09S, Range 18E, Section 1, NW, NW
COUNTY JEROME

Street Address of Well Site: APP 1110 E 300 S NO ROAD ON FARM
HAZELTON ID

Proposed Use of Well: Irrigation

Well Construction Information:

A. Deepening
B. Proposed Surface Diameter: 20 Inches. Proposed Depth 350 Feet.
C. Anticipated Bottom Hole Temperature: 85F and less

Construction Start Date: Sep 05 2002

Anticipated Well Drilling Company: EATON DRILLING & PUMP SERVICE INC (No. 26)

Applicant's Signature: _____ Date _____

Title: _____

06/05/2002

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-4042

WATER RIGHT NUMBER: 36-4042

Owner Type	Name and Address
Current Owner	JAMES LEROY WYATT 376 S 1100 E JEROME, ID 83338 (208)825-5070
Original Owner	RUTH BRUNING 376 S 1100 E JEROME, ID 83338 (208)825-5095
Current Owner	BRENDA K WYATT 376 S 1100 E JEROME, ID 83338 (208)825-5070

Priority Date: 07/31/1961

Basis: Decreed

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Annual Volume
IRRIGATION	3/15	11/15	1.500 CFS	312.00 AF
		Total Diversion:	1.500 CFS	312.00 AF

Location of Point(s) of Diversion

GROUND WATER L4 NW1/4NW1/4NW1/4 Sec. 1, Twp 09S, Rge 18E, B.M.

JEROME County

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	18E	1						24.0 L4											24.0
09S	18E	2	24.0 L1	30.0 L2															54.0

Total Acres: 78

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

06/05/2002

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-4042

WATER RIGHT NUMBER: 36-4042

Owner Type	Name and Address
Current Owner	JAMES LEROY WYATT 376 S 1100 E JEROME, ID 83338 (208)825-5070
Original Owner	RUTH BRUNING 376 S 1100 E JEROME, ID 83338 (208)825-5095
Current Owner	BRENDA K WYATT 376 S 1100 E JEROME, ID 83338 (208)825-5070

Priority Date: 07/31/1961

Basis: Decreed

Status: Active

Source	Tributary
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Annual Volume
IRRIGATION	3/15	11/15	1.500 CFS	312.00 AF
		Total Diversion:	1.500 CFS	312.00 AF

Location of Point(s) of Diversion

GROUND WATER L4 NW1/4NW1/4NW1/4 Sec. 1, Twp 09S, Rge 18E, B.M.

JEROME County

Place of Use

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	18E	1						24.0 L4											24.0
09S	18E	2	24.0 L1	30.0 L2															54.0

Total Acres: 78

Conditions of Approval:

1. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

IDAHO DEPARTMENT OF WATER RESOURCES

Water Right Report 36-4042

2. S17 USE OF THIS RIGHT IS COMBINED WITH WATER FROM NORTH SIDE CANAL CO. LTD.

Remarks:

Comments:

1. MCCARTHY 10/28/1992 CHANGED RECORD
Comment: CHANGED BASIS OF RIGHT TO J

2. AJU10-DS 12/21/1999 AJU10 CONDITION UPDATE
Comment: CONDITION CODE(S) C18 ADDED IF NOT ALREADY PART OF RECORD THRU AJU10.

Dates and Other Information:

Licensed Date:
Decreed Date: 12/12/2001
Water Supply Bank Enrollment Accepted:
Water Supply Bank Enrollment Removed:
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Formal Action Date:
State or Federal: S
Owner Name Connector: AND
Water District Number:
Generic Max Rate Per Acre:
Generic Max Volume Per Acre:
Decree Defendant:
Decree Plaintiff:
Civil Case Number: 39576
Judicial District: FIFTH
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Carey Act Number:
Mitigation Plan: False

Idaho Department of Water Resources Receipt

Receipt ID S024979

Payment Amount $875.00 **Date Received** 6/6/2002 10:24:30 AM **Region** Southern **Status**

Payment Type Check **Check Number** 22233

Payer EATON DRILLING & PUMP SERVICE INC

Comment: Tags: D0023139, D0023150, D0023151, D0023152, D0023153, D0023154, D0023155, D0023156, D0023157, D0023158 wyatt permit $125.00 D0023147

Fee Detail

Amount	Description	Fund	FD	PCA	SO
$750.00	DRILLING TAGS	0229	21	64134	1205
$125.00	DRILLING TAGS	0229	21	64134	1205

Signature Line (Dept. Representative)

Basin 36
App 871751
Rev 778124
JD 349865

Form 238-7
11/97 JGE

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

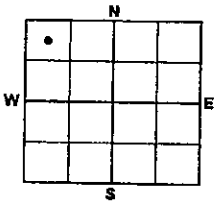
CA

Office Use Only
Inspected by
Twp ____ Rge ____ Sec ____
____ 1/4 ____ 1/4 ____ 1/4
Lat: : : Long: : :

1. WELL TAG NO. D 0023147
DRILLING PERMIT NO. 778124
Other IDWR No. a36-04042

2. OWNER:
Name James Wyatt
Address 376 S. 1100 E.
City Hazelton State ID Zip 83338

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.



Twp. 9 North ☐ or South ☒
Rge. 18 East ☒ or West ☐
Sec. 1 ____ 1/4 (10 acres) NW 1/4 (40 acres) NW 1/4 (160 acres)
Gov't Lot ____ County Jerome
Lat: Long:
Address of Well Site app. 1110 E. 300 S.
(Give at least name of road + Distance to Road or Landmark) City Hazelton
Lt. ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

5. TYPE OF WORK: check all that apply (Replacement etc.)
☐ New Well ☒ Modify ☐ Abandonment ☒ Other deepen

6. DRILL METHOD:
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____
Was drive shoe seal tested? ☐ Y ☒ N How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Material	Casing	Liner	Welded	Threaded
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

9. PERFORATIONS/SCREENS:
☐ Perforations Method ____
☐ Screens Screen Type ____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
224 ft. below ground Artesian pressure ____ lb.
Depth flow encountered ____ ft. Describe access port or control devices: welded steel plate

11. WELL TESTS:
☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time

Water Temp. <85 Bottom hole temp. ____
Water Quality test or comments: ____
Depth first Water Encounter ____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	Water N
15	243	251	filled in cinders		
15	251	264	hard lava		
15	264	267	soft broken lava	X	
15	267	269	hard lava		
15	269	276	hard lava		
15	276	279	soft broken lava & cinders	X	
15	279	281	medium hard lava		
15	281	283	hard lava		
15	283	286	soft loose cinders	X	
15	286	288	medium hard lava & breaks	X	
15	288	289	hard lava		

RECEIVED
JUL 17 2002
Department of Water Resources
Southern Region

Completed Depth 274' (Measurable)
Date: Started 6/17/2002 Completed 6/18/2002

13. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Eaton Drilling & pump Service, Inc. Firm No. 26
Firm Official ____ Date 6/18/2002
and
Driller or Operator ____ Date 6/18/2002
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Form 238-7
8/90

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name John Abercrombie
Address 1680 Hunt Rd Jerome, Id-
Drilling Permit No. 36-92-5-099
Water Right Permit No. _____

2. NATURE OF WORK
☐ New well ☑ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE
☑ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☑ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION
Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____

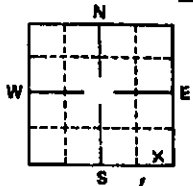
Thickness	Diameter	From	To
_____ inches	_____ inches +	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☐ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Diameter ____ Slot size ____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld ☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Jerome
SE ¼ SE ¼ Sec. 35, T. 8 N ☐ S ☑ R. 19 E ☑ W ☐

7. WATER LEVEL
Static water level 185 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 64 °F. Quality good
Describe artesian or temperature zones below.

8. WELL TEST DATA
☐ Pump ☑ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
10	185	1

9. LITHOLOGIC LOG 84502

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
6	193	215	Grey basalt	X	
	215	223	Grey scoria + hard brown clay	X	
	223	234	Grey basalt	X	
	234	237	Grey scoria	X	

RECEIVED
APR 20 1992
Department of Water Resources
Southern Region Office

RECEIVED
DEC 07 1992

10. Work started 15 April finished 17 April 1992

11. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Boley + Henry Firm No. 86
Address Mountain Id Date 18 April 1992
Signed by (Firm Official) Blaine Boley
and
(Operator) Blaine Boley

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

47508

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No._____
Rec._____, 19____
Well No._____
Permit No._____
(DO NOT FILL IN)

Owner JOE AKINS Address JEROME, IDAHO

Driller J. EMMETT SMITH, INC. Address JEROME, IDAHO Lic. No. 11

Location of Well: SW ¼ SE ¼ Sec. 27, T. 8 N/S, R 18 E/W JEROME County,

and ____ feet N/S, and ____ feet E/W from ____ Corner of ____ ¼ ____ ¼ Sec. ____

Size of Drilled Hole 6¼" Total depth of Well 297'

Give depth of standing water from surfaace 227' Water Temp. ____ °Farenheit

On pumping test delivery was 15 g.p.m. or ____ c.f.s. Drawdown was NONE feet.

Size of pump and motor used to make the test ____

Length of time pumped during check was 1 HR., ____ hr., ____ minutes.

If flowing well, give flow in c.f.s. ____ or g.p.m. ____ and shut in pressure ____

If flowing well, describe control works ____
(TYPE AND SIZE OF VALVE, ETC.)

Water will be used for DOMESTIC Weight of casing per linear foot UNKNOWN

Thickness of casing 22 GAGE Casing material TIN CASING
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 6½", 30", FROM 3' 6" TO 5'
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER; CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)

Number and size of perforations ____ located ____ feet to ____ feet from surface of ground.

Other perforations ____

Date of commencement of well 8-28-56 Date of completion of well 9-15-56

Type of well rig CABLE TOOLED

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	"REMARKS" -- SEALS, GROUTING, ETC.
6 1/8"	3' 6"	5'	30"	CEMENTED IN

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

SW SE S. 27 T. 8 S. R. 18 E.

3-5

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time Hrs.	Drilling Time Min.	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
0	5	TOP SOIL				
5	12	LAVA GRAY				
12	16	LAVA GRAY CREVICE				
16	97	LAVA GRAY HARD				
97	106	LAVA RED HARD				
106	110	LAVA RED CINDERS				
110	135	LAVA GRAY HARD				
135	150	CLAY YELLOS'				
150	156	LAVA GRAY HARD				
156	165	LAVA RED LOOSE ROCK				
165	184	LAVA BROWN HARD				
184	203	CLAY YELLOW				
203	230	LAVA GRAY HARD			YES 230	
230	232	LAVA GRAY CREVICE				
232	254	LAVA GRAY HARD				
254	263	LAVA RED CINDER AND LOOSE ROCK				
263	292	LAVA RED POROUS				
292	297	LAVA GRAY CREVICE - LOOSE ROCK				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed J. EMMETT SMITH, INC.

By J. Emmett Smith

License No. 11

Dated DECEMBER 20, , 19 56

IDAHO SOIL CONSERVATION COMMISSION

IDAHO STATE DEPARTMENT OF AGRICULTURE

Idaho State Department of Agriculture

TECHNICAL SERVICES

April 18, 2007

Big Sky Farms Limited Partnership
Don McFarland
2112 HWY 25
Eden, ID 83325

Mr. McFarland:

Hilary Simpson has approved the Nutrient Management Plan for Big Sky Farms Limited Partnership written by Dustin Olsen on 04/18/2007.

Please take time to review and understand the plan and its contents. It is important that you follow your plan as it has been written. Wastewater applications should begin and end with the irrigation season. Depending on weather and soil conditions, applications outside of this window may be allowed. Lagoons must be emptied in the fall. Fall application of effluent must be completed prior to November 15th. No application will be allowed to frozen or snow covered ground. Spring applications prior to the start of the irrigation season may be allowed if moisture or nutrients are needed to enhance crop production. You must contact the Idaho State Department of Agriculture, Animal Industries, **(208) 332-8540,** prior to any wastewater application outside of the irrigation season. The need for wastewater application outside of the irrigation season will be evaluated on a case-by-case basis. Factors considered in granting approval will be but are not limited to the following; date, existing and forecasted weather conditions, moisture content of the soil, water holding capacity of the soil, frost layers in the soil, and crop needs.

Pond management is a key component to your ability to appropriately implement your nutrient management plan. Proper maintenance will insure the integrity of your pond. It is important to remove accumulated solids and wastewater upon entering into the wet season.

If you have any questions or concerns please contact me at (208) 736-3049.

Sincerely,

Hilary Simpson

Hilary Simpson
Nutrient Management Specialist
Idaho State Department of Agriculture
208-736-3049

cc: John Chatburn, Deputy Administrator, Animal Industries
Dustin Olsen, Planner