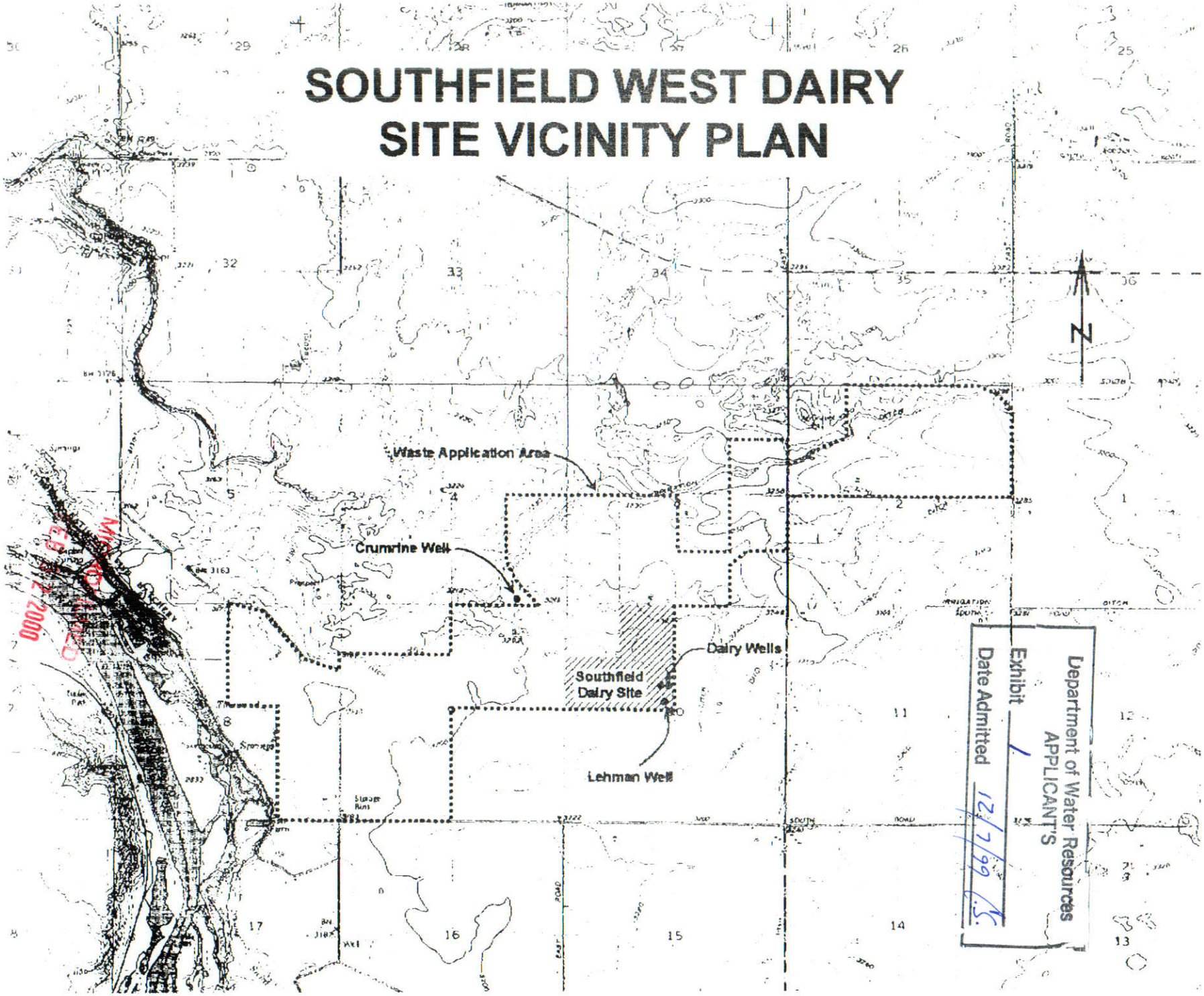
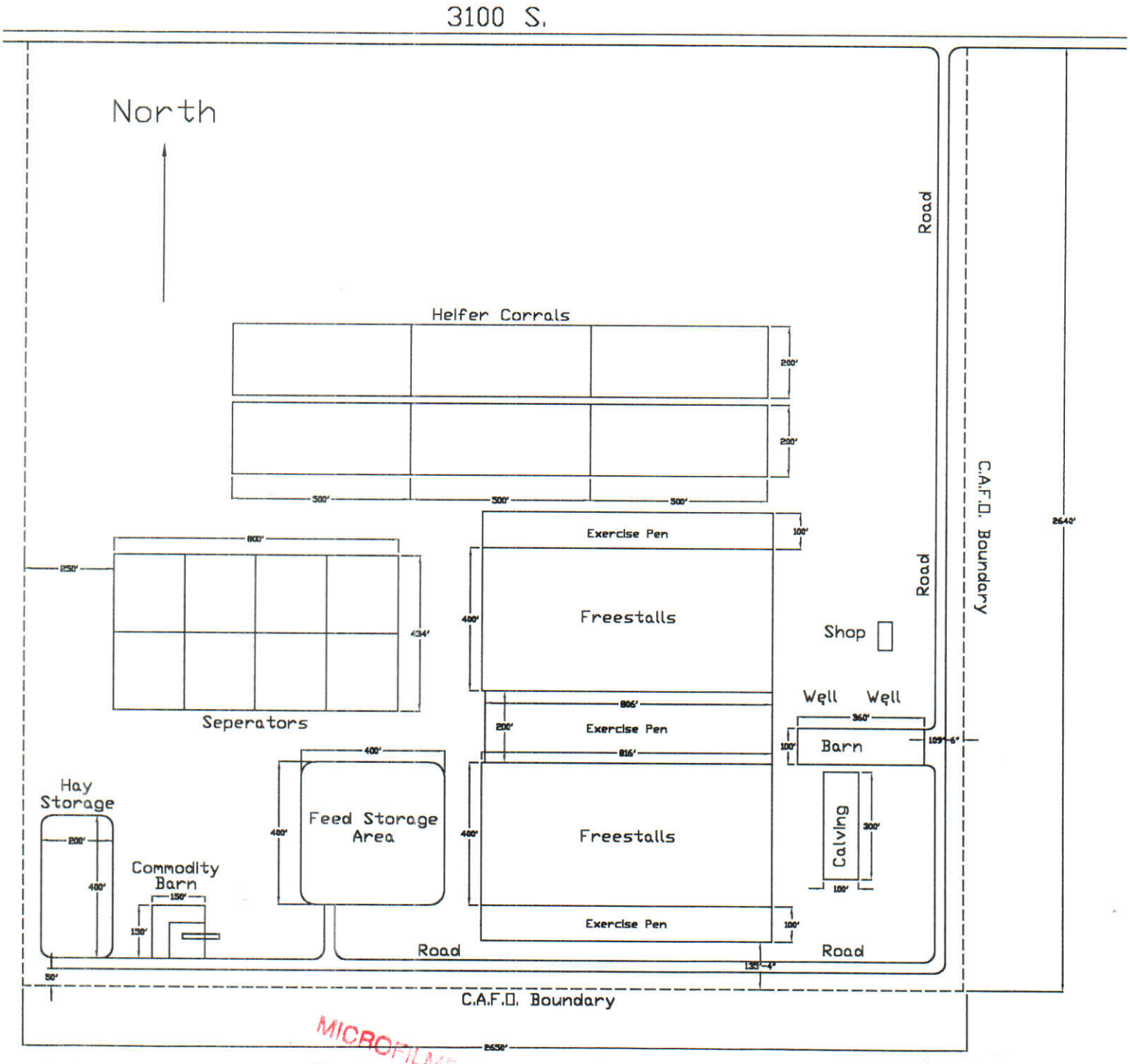
SOUTHFIELD WEST DAIRY
SITE VICINITY PLAN



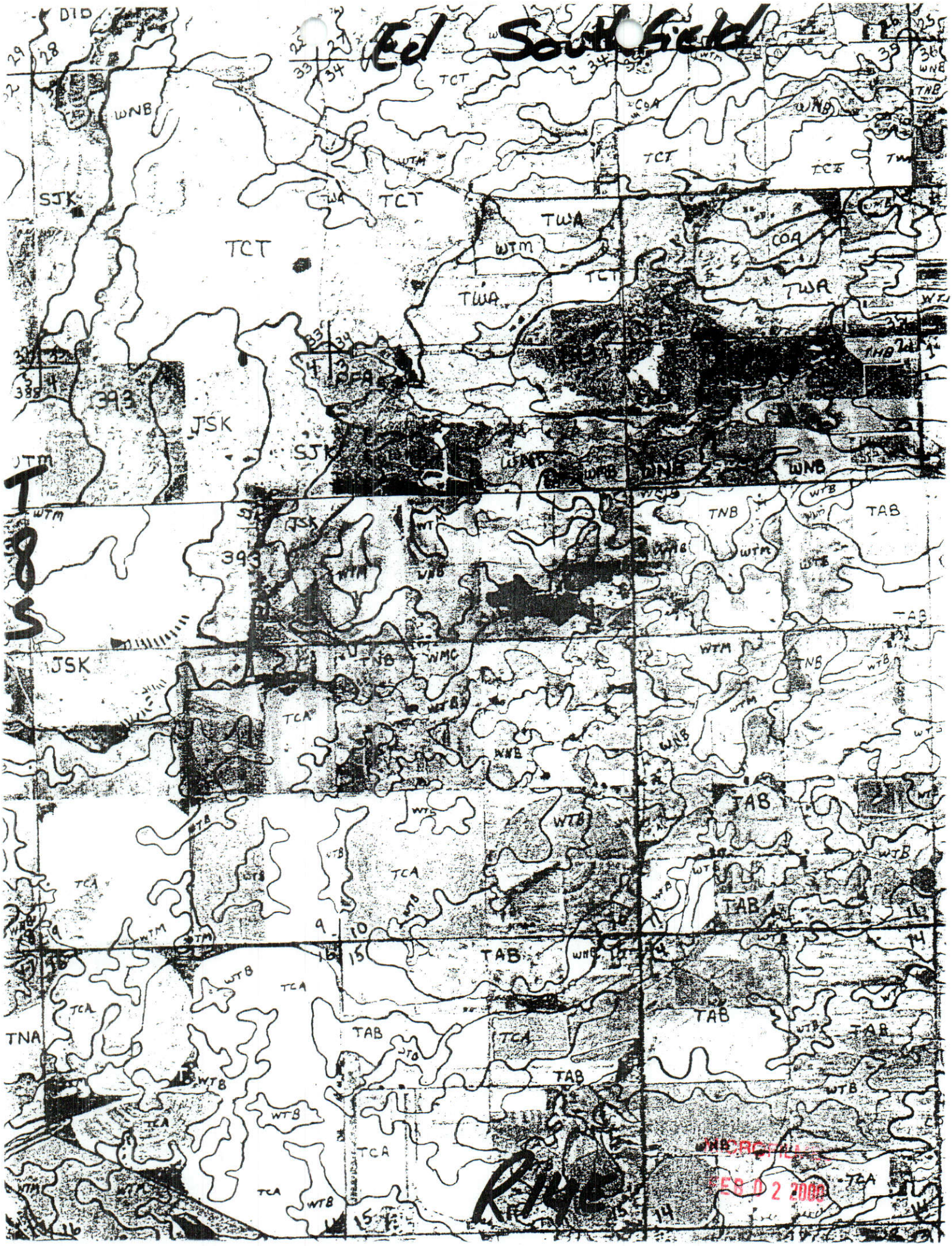
WESTEC, INC
53 NORTH 200 WEST
JEROME, ID. 83338
(208) 324-3247

SOUTHFIELD DAIRY

Department of Water Resources
APPLICANT'S
Exhibit 2
Date Admitted 12/7/99 C.S.



MICROFILMED
FEB 0 2 2000


Ed South Field
SJK
TCT
TWA
WNB
JSK
393
TAB
TCA
WTB
WTM
TNB
TNA
RIVE
FEB 0 2 2000

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: Dale DePEW

Address: Route 2, Wendell, Idaho 83355

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 178 feet

Casing schedule: ☒ Steel ☐ Concrete

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
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.

N

W E

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County Gooding

¼ ¼ Sec. T. N/S R. E/W

7. WATER LEVEL

Static water level 138 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
	Note:	

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	15	Top Soil & Clay		
	15	23	Gray Lava		
6"	23	24	Broken seams gray lava		
	24	32	Hard Gray		
	32	33	Pink porous		
	33	34	Hard Gray		
	34	37½	Brown Clay sand		
	37½	45½	Gray lava w/seams		
	45½	49	Gray broken lava		
	49	51	Hard Gray		
	51	57	Gray w/ seams		
	57	58	Broken brownish gray		
	58	67	No Return		
	67	68	Pinkish Gray porous Broken		
	68	73	Broken		
	73	91	Hard Gray		
	91	92	Broken Brown w/ some sand		
	92	103	Hard Gray		
	103	112	Broken No Return		
	112	114	Hard No Return		
	114	117	Badly Broken		
	117	123½	Hard seams		
	123½	125	Broken No Return		
	125	137	Hard		
	137	161	Broken trace of Water		
	161	163	Hard		
	163	176	Med Hard		
	176	177	Broken	X	
	177	178	Pink	X	

10.

Work started February 17, finished 2/20/71

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

2305 West, Main, Jerome, Idaho

Address

Signed By Date

MICROFILMED
OCT 0 2 2000

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 Wendell, 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 ¼ 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.

N
W E
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County Gooding
NE ¼ NE ¼ Sec. T. S, R. E.W.M.

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
	6	

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 - Chewike		
	32	45	Black lava - cinders - lots of water in cinders		
14"	0	45			
	Fifteen		ft. of Lig perforations		
			water Stands @ 31 ft.	X	

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.

Driller's or Firm's Name Number
Address
Signed By Date

MICROFILMED
OCT 02 2000

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 MAURICE RAY

Address ROUTE 1, WENDELL, 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 100 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	+ From	— To
.250 inches	6 5/8 OD 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? ☒ 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 GOODING

SW ¼ SW ¼ Sec. 2 T. 6 ☐ N/S R. ☐ E/W

7. WATER LEVEL

Static water level 60 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	4	Top Soil Sand		
8	4	10	Lava Gray hard broken		
8	10	38	Lava gray hard		
6	38	40	Crevis		
	40	41	pink cinders		
	41	48	Lava pink hard		
	48	50	Lava pink		
	50	64	Lava pink hard		
	64	66	Lava pink soft	X	
	66	78	Lava pink hard		
	78	98	Lava gray hard		
	98	99	Lava gray soft	X	
	99	00	Lava gray hard		

10.

Work started 6/20/70 finished 6/25/70

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

Signed By [signature] 7/7/70
Date

MICROFILMED
FEB 0 2 2000

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: Neal Ambrose
Address: Wendell, Idaho
Owner's Permit No: applied for

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: 108 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
inches	16 inches	plus 2 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.

N
W E
S

County: Gooding
¼ ¼ Sec. T. 8 S. R. 15 E.

7. WATER LEVEL
Static water level: 57 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow:
Temperature: 58 °F. Quality:
Artesian closed-in pressure: p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA
☐ Pump ☐ Bailer ☒ Other: none

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
16	0	2	top soil		
	2	28	grey lava		
	28	38	loose grey lava		
	38	48	grey lava		
	48	52	light red loose lava		
	52	80	grey lava		
	80	92	hard grey lava		
	92	108	broken grey lava		
			hit first water at 27		

10. Work started: 5-20-70 finished: 5-25-70

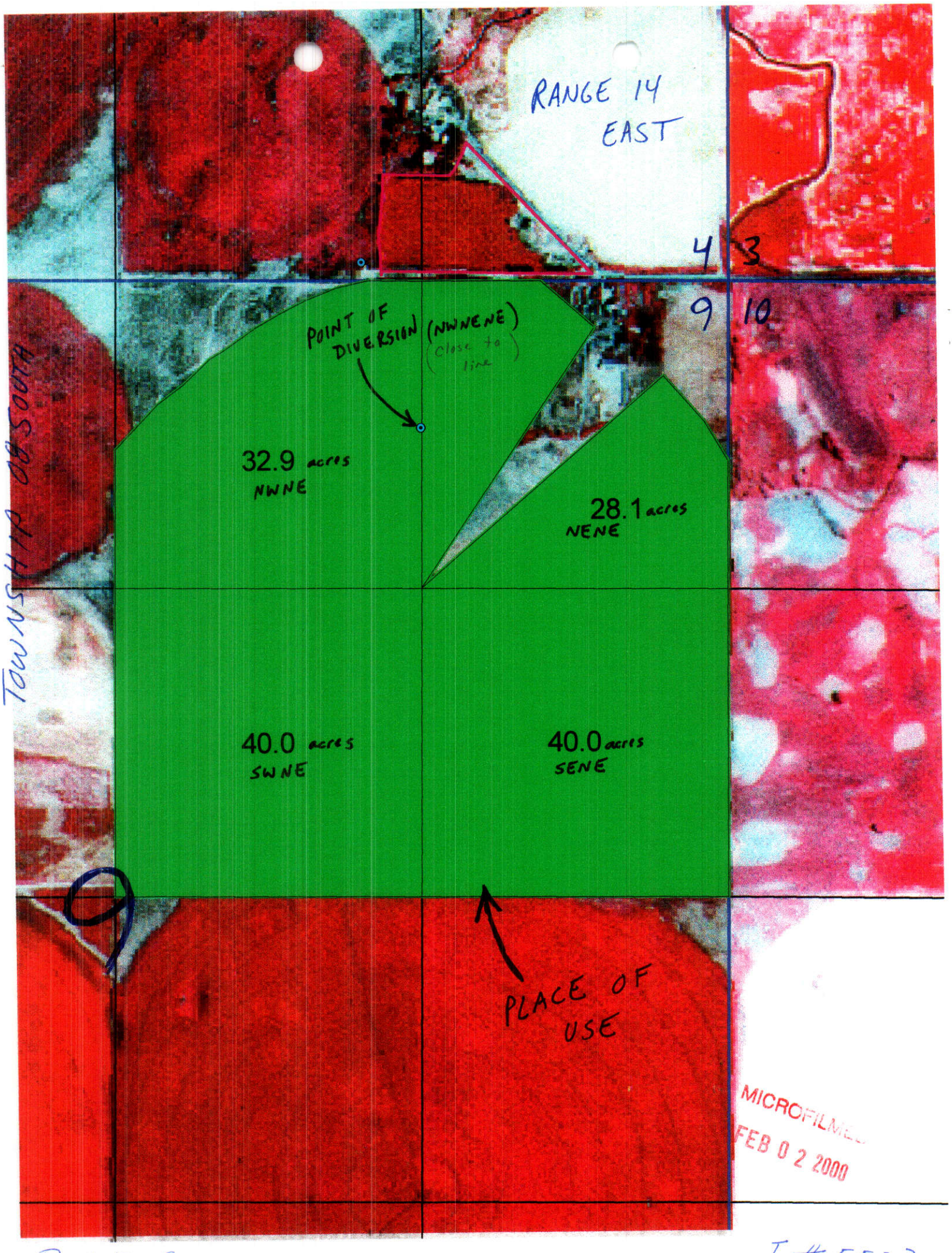
11. DRILLER'S CERTIFICATION
This well was drilled under my supervision and this report is true to the best of my knowledge.

Dale Gilbert Well Drilling
Driller's or Firm's Name

box 288 Wendell Idaho 83355
Address

Signed By: Dale Gilbert Date: 5-25-70

RECEIVED
JUN 2 1970



MICROFILMED
FEB 0 2 2000

T # 5523

AFFIDAVIT of PUBLICATION

RECEIVED SEP 09 1999 Department of Water Resources Southern Region

RECEIVED AUG 27 1999 Department of Water Resources Southern Region

State of Idaho
County of Gooding } ss.

Patty Nance, being first duly sworn, deposes and says that she is the printer (publisher) of the Gooding County Leader, a newspaper published every week in Gooding, County of Gooding, State of Idaho; that said newspaper has been continuously and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement was published once each week for 2 consecutive issues in said newspaper proper and not in supplement; that the date of the first publication of said advertisement was on the 19th day of August, 1999 and that date of the last publication was on the 26th day of August, 1999.

Patty Nance

On this 2nd day of September in the year of 1999, before me, a Notary Public, personally appeared Patty Nance, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledge to me that she executed the same.

Norma DeVoe
Notary Public for Idaho
Residing at Jerome, Id
My commission expires: 3/6/01

#7173 / 27051
GOODING COUNTY LEADER
Gooding, Idaho

OK MB 9/27/99

COST OF PUBLICATION

Number of Picas per Line _____
Number of Lines in Notice _____
Number of Insertions 2x

_____	Lines tabular at	_____	7¢/Pica
983.81	Lines straight at	59.03	6¢/Pica
983.81	Subsequent lines at	49.19	5¢/Pica
	Affidavit Fee	2.25	
	TOTAL COST	110.47	

MICROFILMED FEB 02 2000

Southfield Dairy
TITLE OF NOTICE

PLAINTIFF ATTORNEY

DEFENDANT

PLAINTIFF

IDWR
BILL TO

COPY OF NOTICE

PUBLI
(Idaho
7-8 pt.
7-8 pt.
7-8 pt.
inserti

No.

NOTICE OF PROPOSED CHANGE TO WATER RIGHT

Notice is hereby given that SOUTHFIELD DAIRY, 3308 S 1600 E; WENDELL ID 83355 has filed two (2) companion Applications for Transfer with the Department of Water Resources for changes to the rights listed below. PRESENTLY, Water Right No. 36-02297 (1.82 cfs) with a priority date of 03/23/1956 is diverted from groundwater within SE1/4NW1/4, S10 for irrigation of 91 acres within parts of S10, both T08S, R14E; Gooding County. PRESENTLY, Water Right No. X36-07377A (2.12 cfs) with a priority date of 09/07/1973 and Water Right No. X36-07547A (3.08 cfs) with a priority date of 05/13/1975 are diverting a combined total of 4.36 cfs from two (2) groundwater wells within NE1/4NE1/4, S9 for irrigation of 283 acres within parts of Sections 3, 4, & 9, all T08S, R14E; Gooding County. The purpose of Transfer No. 5522 is to change a portion of the rights used to irrigate 105 acres to stockwater/commercial use for a new dairy located within Sections 9 & 10 by drilling two (2) new wells within SE1/4NW1/4, S10, all T08S, R14E; Gooding County to divert a combined total of 1.62 cfs using the following rights:

Rt No.	Use	Amt (cfs)
X36-07377F	Stockwater	0.79
	Commercial	0.79
X36-07547F	Stockwater	1.14
	Commercial	1.14

The purpose of Transfer No. 5523 is to change point of diversion, place of use, and create a permissible place of use for irrigation rights. A combined total of 2.31 cfs will be diverted from an existing well within NE1/4NE1/4 for irrigation of 123 acres within a 141 acre permissible place of use within NE1/4, S09, all T08S, R14E; Gooding County, using the rights listed below. Note these lands also have canal shares and will be the place of use of land application for waste from dairy.

Rt No.	Priority	Amt (cfs)
36-02297	03/23/1956	1.82
X36-07377H	09/07/1973	0.24
X36-07547H	05/13/1975	0.35

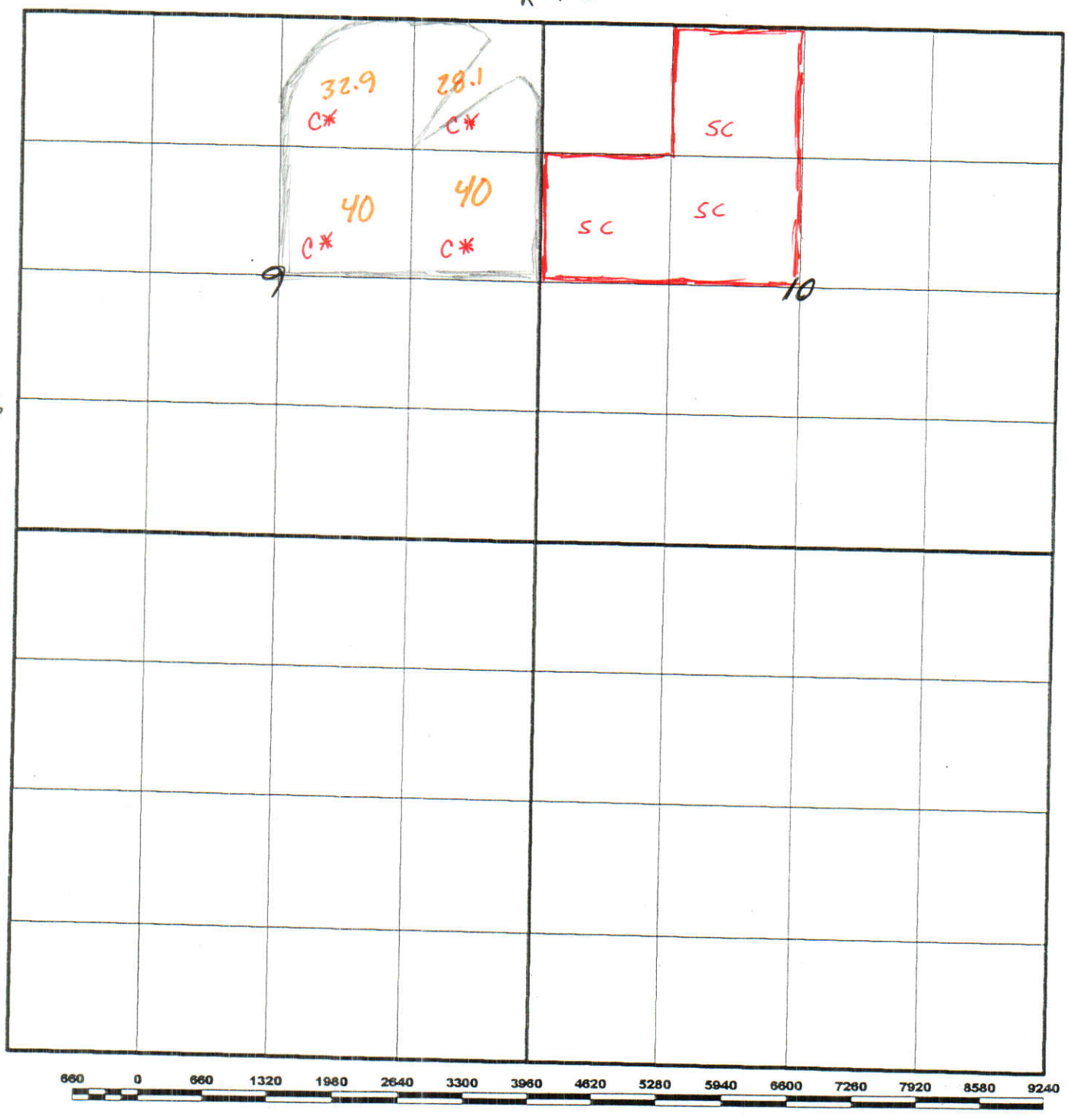
After said proposed changes, 146 acres (2.25 cfs) will continue to be irrigated in Sections 3 & 4, T08S, R14E; Gooding County. Any protest against the proposed changes must be filed with the Department of Water Resources, Southern Region, 1341 Fillmore St., Suite 200; Twin Falls, ID 83301 together with a protest fee of $25.00 on or before September 7, 1999 to be considered by the Department in its decision to grant or deny any part of the proposed change. (Each transfer requires a separate protest). The protestant must also send a copy of the protest to the applicant.
Karl J. Dreher, Director

PUB: 8/19 - 8/26 G27051

IDAHO DEPARTMENT OF WATER RESOURCES

R14E

T08S



AFTER TRANSFERS

36-07377F

36-07547F

36-02297

36-07377H

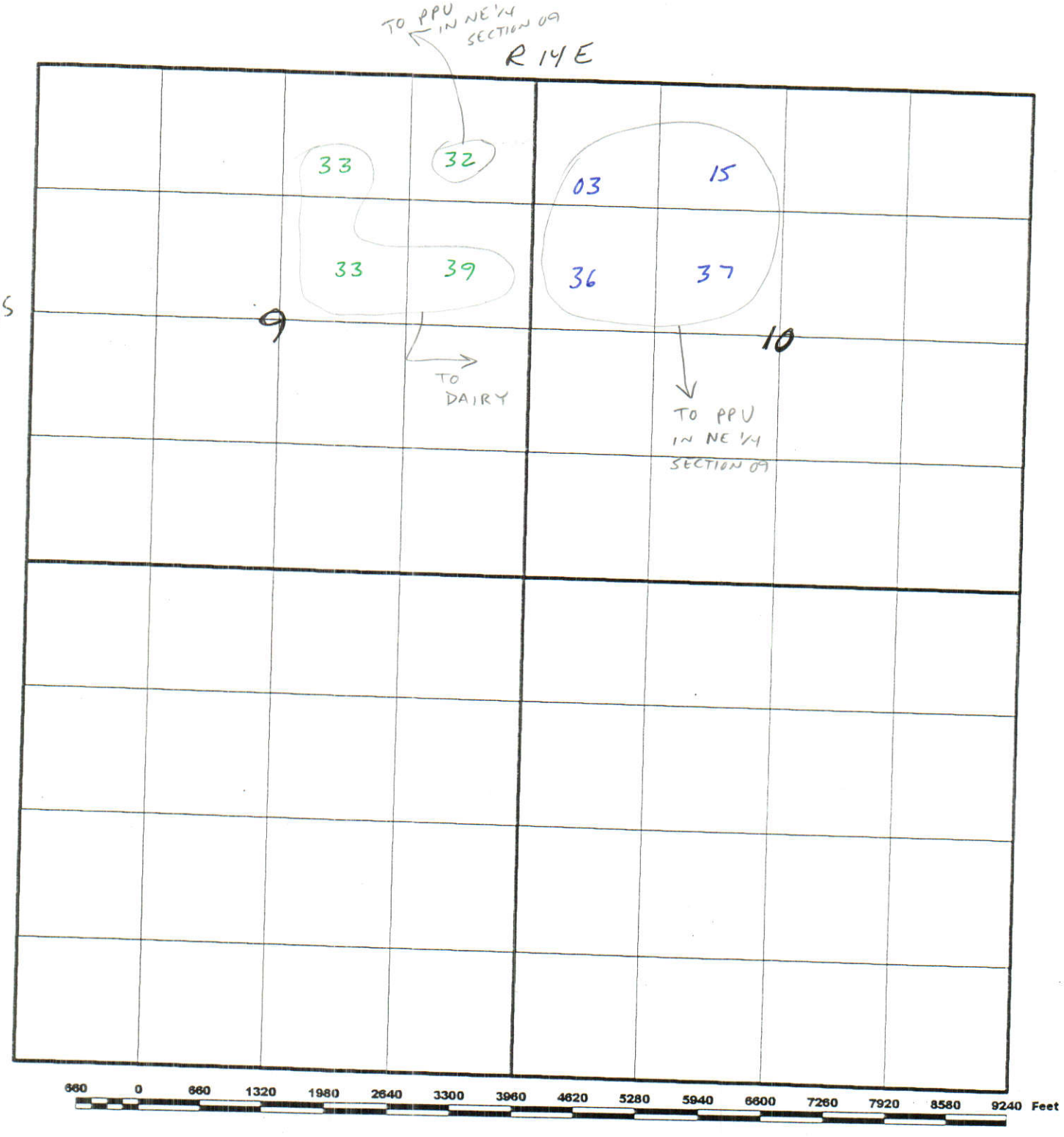
36-07547H

FEB 02 2000

MICROFILMED

FEB 0 2 2000

IDAHO DEPARTMENT OF WATER RESOURCES



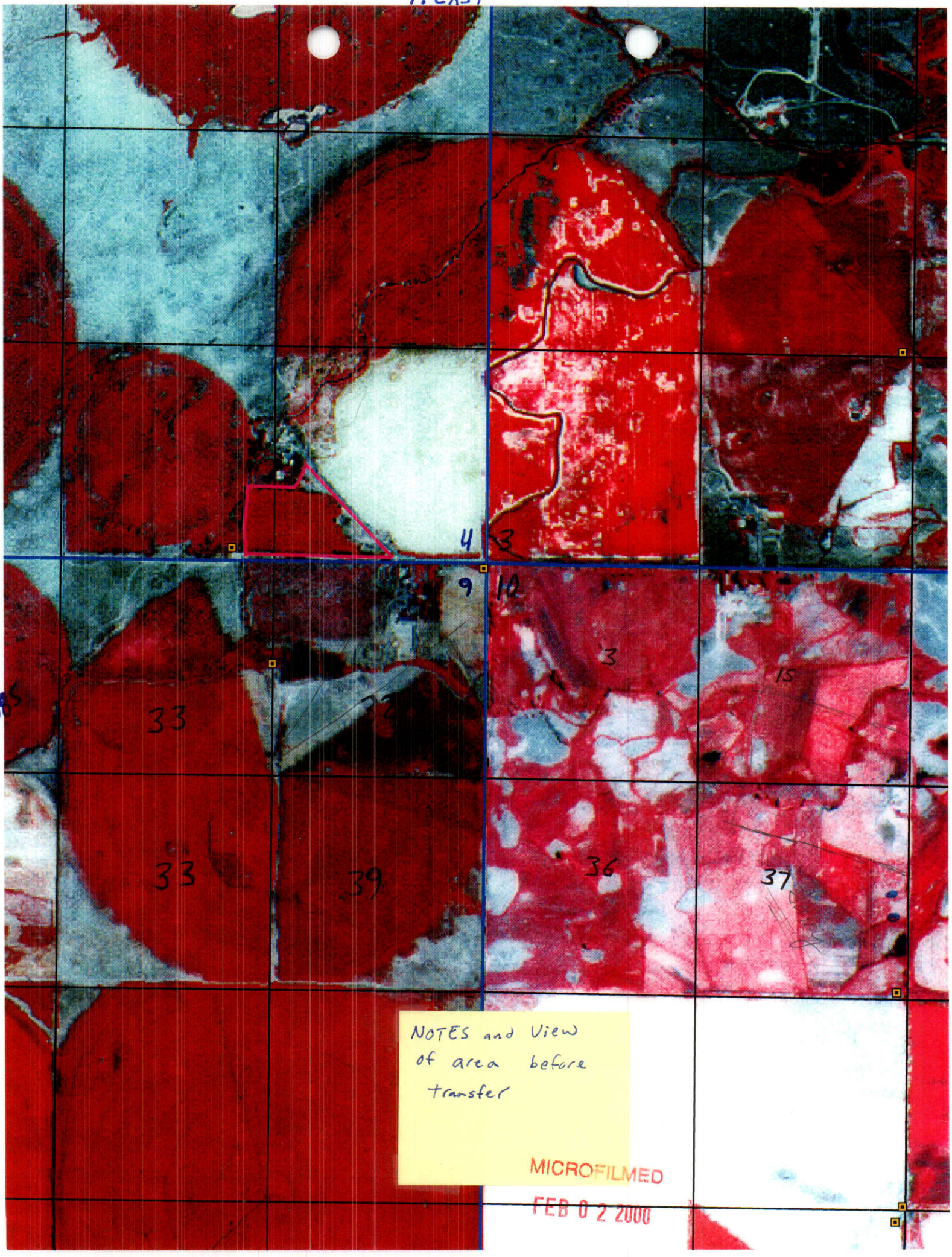
36-07377
36-07547 } PORTIONS

36-02297

BEFORE TRANSFERS

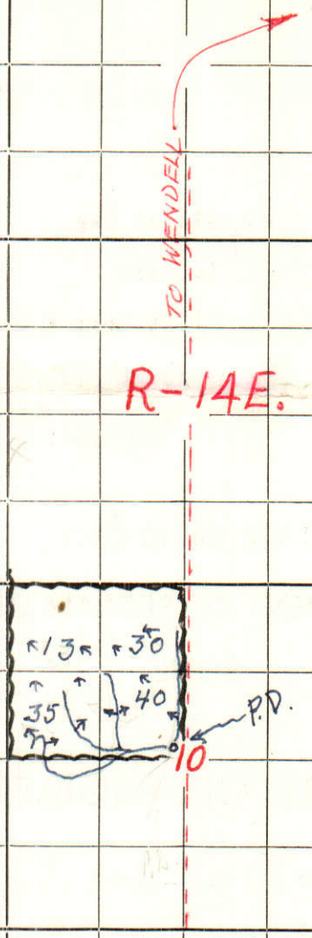
MICROFILMED
FEB 0 2 2000

14 EAST



NOTES and View of area before transfer

MICROFILMED
FEB 0 2 2000



Subdivisions = four
Area = 18 acres.
Q = 100 inches

Scale: 2 Inches Equals 1 Mile. Draw Map In Ink.

S26272

Kenneth J. and Pearl Lehmann
Wendell, Idaho

Permit No. G-26272

Examination for Completion of Works & Beneficial Use

County Gooding

10-8S-14E.

Q= 2.0 c.f.s.

S= Well

P.O. = SE. cor. of NW¼, Sec. 10, T. 8S.-R. 14E.

Use = Irrigation

Filed = March 23, 1956
Due = March 26, 1958

Well = 67' x 16"
h. = 45' D.D. = ?

230V meter Idaho Pwr
#199525795

G.E. Control panel.

G.E. 15 hp. moto
230V 39.2a 1745rpm
ZGJ 6875-910

Layne B. Turb
18453

Conc. curb 3'x3'
no protect.

Shaded by trees (birch)
8" del. DS x 3'
open ditch

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

RECEIVED
AUG 29 1956
Department of Reclamation

RECEIVED
MAY 25 1956
Department of Reclamation

Affidavit of Publication

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 2 P. M., on the 18th day of May, 1956, at Wendell, County of Gooding, State of Idaho, before Loretta Strickling, Notary Public, proof will be submitted of the completion of works for the diversion of two cubic feet per second of the waters of underground and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-26272 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the persons holding said permit are Kenneth J. Lehmann and Pearl Lehmann, Wendell, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use, in accordance with the plans accompanying the application for such permit, is 2 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 2 cubic feet per second.

4. The place where said water is used is the Northwest Quarter of Section 10, Township 8 S. R. 14 E. B. M., Gooding County, Idaho.

5. The date of priority which said user is prepared to establish is March 23, 1956.

MARK R. KULP
State Reclamation Engineer
Pub. April 26 May 3-10-17 1956

STATE OF IDAHO }
County of Gooding } ss

Richard S. Eaton

~~MURIEL R. LANCASTER~~ being duly sworn, says that he is of lawful age and is the editor of THE WENDELL IRRIGATIONIST, a weekly newspaper of general circulation published at Wendell, in the County of Gooding, State of Idaho; that the attached printed copy hereto annexed was published in THE WENDELL IRRIGATIONIST, in the regular edition thereof and not in a supplement, for consecutive weeks, commencing on the 26 day of April, 1956 and ending on the 17 day of May, 1956

Richard S. Eaton, Editor

Subscribed and sworn before me this 18th day of May, 1956

Loretta M. Strickling
Notary Public in and for the County of Gooding
State of Idaho

My commission expires 3/1/59, 19___

L26272

NAME OF APPLICANT Kenneth Lehmann and Pearl Lehmann, husband and wife

Form No. 0

Section 10, T. 8 S. R. 14 E.B.M.

N

W

pump

E

S

160 acres -- NW¼

Permit Map No. 1-26272
As Approved
MAR 26 1956
MARK R. KULP
State Reclamation Engineer

SCALE: 2 Inches Equal 1 Mile. Draw Plan In Ink.

S26272

State of Idaho
Department of Water Resources



ROSTER OF ATTENDANCE

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 5522 AND 5523 IN THE NAME OF SOUTHFIELD DAIRY

Date: December 7, 1999

Time: 9:00 a.m.

Location: Multi-purpose Room
Gooding City Hall
308 5th Avenue West
Gooding, ID 83330

Hearing Officer: L. Glen Saxton

** *Please Print* **

NAME	ADDRESS	REPRESENTING (Applicant, Protestant or Intervenor)
Bill Chisholm	19073E Hwy 30 Buhl	Self
Aric Rocloffs	3340 S 1600 E Wendell	Southfield Dairy
Rob Williams	1022 4th Ave N. Jerome	"
Greg Hirai	3192 S. 1300 E.	WENDELL
Charles E. Brockway	2016 Washington N	Twin Falls ID. - Southfield D.
Edwin Southfield	3310 S. 1600 E	WENDELL - Southfield D.
Marsha Neibling	2615 E 4015 N	Twin Falls, ID - Southfield D.
Oren DeVries	31785 2000 E	Wendell - Southfield

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FEB 0 2 2006

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

MEMORANDUM

To: L. Glen Saxton

From: Karl J. Dreher

RE: APPOINTMENT AS HEARING OFFICER - PROCEDURE RULE 410

Date: November 30, 1999

You are hereby appointed as hearing officer and are authorized to represent the department as provided by IDAPA Rule 37.01.01410 (Procedure Rule 410) in the following matter:

IN THE MATTER OF APPLICATION FOR TRANSFER NO. 5522 AND 5523 IN THE NAME OF SOUTHFIELD DAIRY

Date: December 7, 1999

Time: 9:00 a.m.

Location: Multi-purpose Room
Gooding City Hall
308 5th Avenue West
Gooding, ID 83330

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FEB 0 2 2000

Robert E. Williams
IDAHO STATE BAR NO. 1693
FREDERICKSEN, WILLIAMS & MESERVY
Attorneys at Law
117 South Adams Street
P. O. Box 168
Jerome, Idaho 83338
Telephone: (208) 324-2303
Facsimile: (208) 324-3135

Attorneys for Applicant Southfield Dairy

RECEIVED
NOV 16 1999
Department of Water Resources

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NOS. 5522 & 5523	**WITNESS LIST AND EXHIBIT LIST OF APPLICANT, SOUTHFIELD DAIRY**
Southfield Dairy, Applicant	
Bill Chisholm, Protestant	SOURCE: Groundwater COUNTY: Gooding

The Applicant, Southfield Dairy, through its attorney, Robert E. Williams, hereby produces its List of Witnesses and List of Exhibits pursuant to the Department's Notice of Hearing filed in this matter on October 18th, 1999.

WITNESS LIST:

Arie Roloffs	Edwin Southfield
Dr. C. E. Brockway	Marsha Niebling
Oren deVries	Greg Hirai
Ed Southfield	Jennifer Beddoes

MICROFILMED
FEB 02 2000

EXHIBIT LIST:

1 Vicinity Map

2 Dairy Site Map

3 Nutrient Management Plan

4 Lagoon design and soils data * Note: As of the 15th of November, the Department of Agriculture had not returned the written soils testing data for the lagoon site. This material is expected this week. The Applicants will provide a copy to the hearing officer and to the protestant as soon as this information has been made available to the Applicants.

5 Letter from Stephen Thompson and accompanying soil data and map

6 Well driller's log and pump test data

7 Water balance table

8 Local well interference analysis

9 USDS observation well data

10 Dairy water requirements work sheet

11 Gooding County CAFO Permit

12 EPA study

13 Economic data (New dairy)

14 Letter from Greg Hiari

15 Letter from State of Idaho Department of Agriculture to Judy Daubner

16 Letter from Glenn Vandergiessen

17 Letter from Paul Borchard

Dated this 15th day of November, 1999.

FREDERICKSEN, WILLIAMS & MESERVY

ROBERT E. WILLIAMS
Attorney for Applicant, Southfield Dairy

MICROFILMED
DEC 0 2 2000

CERTIFICATE OF SERVICE

I HEREBY CERTIFY That on this 15th day of November, 1999, I served a true and correct copy of the foregoing document on the person(s) whose names and addresses appear below by the method indicated:

Bill Chisholm
19073 E Hwy 30
Buhl, Idaho 83318

Allen D. Merritt, P.E.
Idaho Department of Water Resources
1341 Fillmore St Suite 200
Twin Falls, ID 83301

L. Glen Saxton
Idaho Department of Water Resources
PO Box 83720
Boise, Idaho 83720-0098

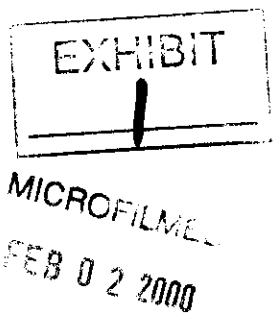
__x__ By depositing copies of the same in the United States mail, postage prepaid, at the post office at Jerome, Idaho.

_____ By hand delivering copies of the same to said person at _____.

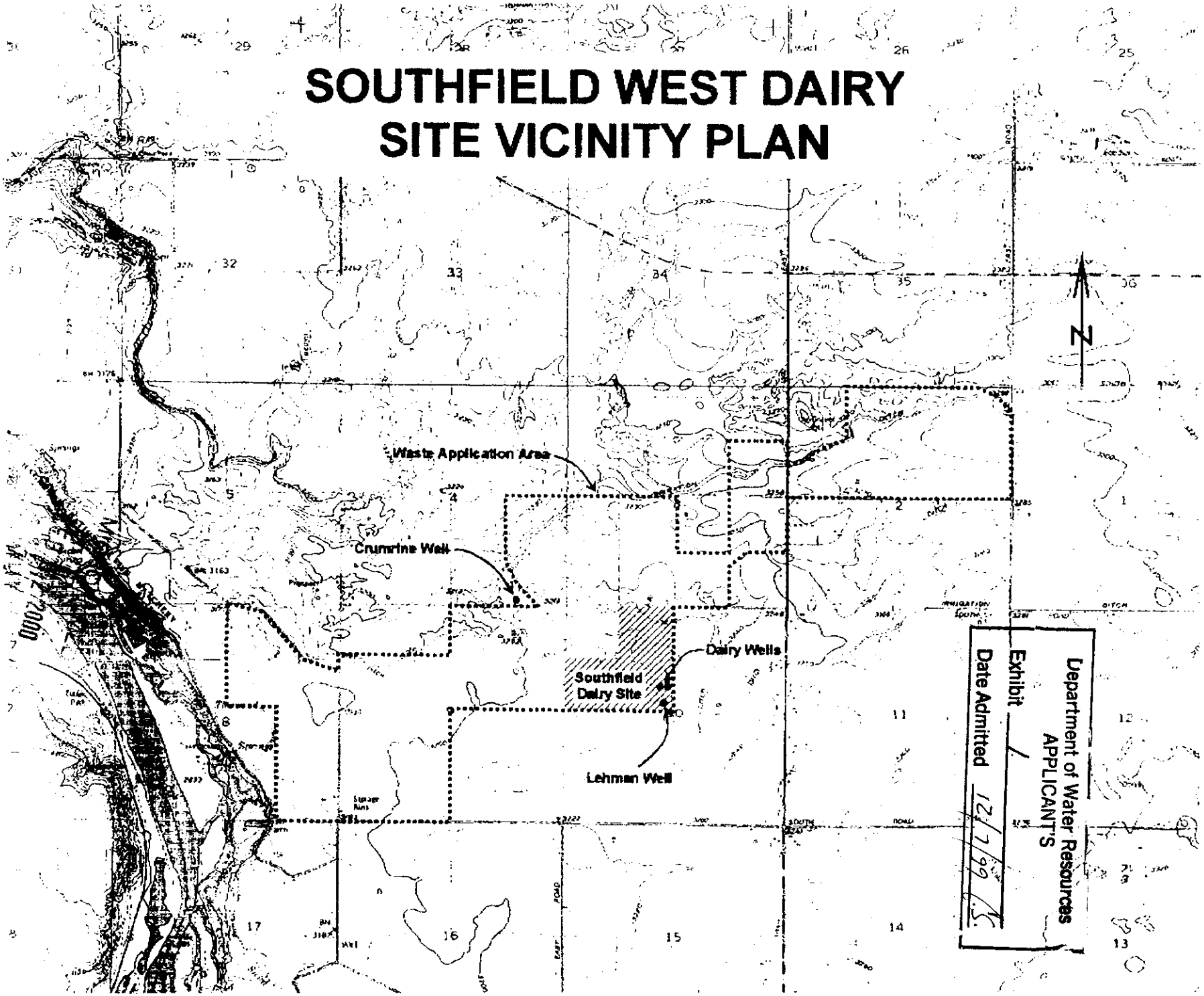
_____ By facsimile transmission to _____, and by then mailing copies of same in the United States mail, first class postage prepaid, at the post office at Jerome, Idaho.

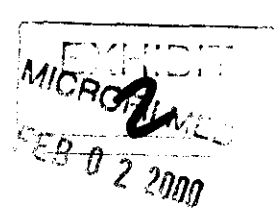
ROBERT E. WILLIAMS

MICROFILMED
FEB 02 2000


EXHIBIT
MICROFILMED
FEB 0 2 2000

SOUTHFIELD WEST DAIRY
SITE VICINITY PLAN

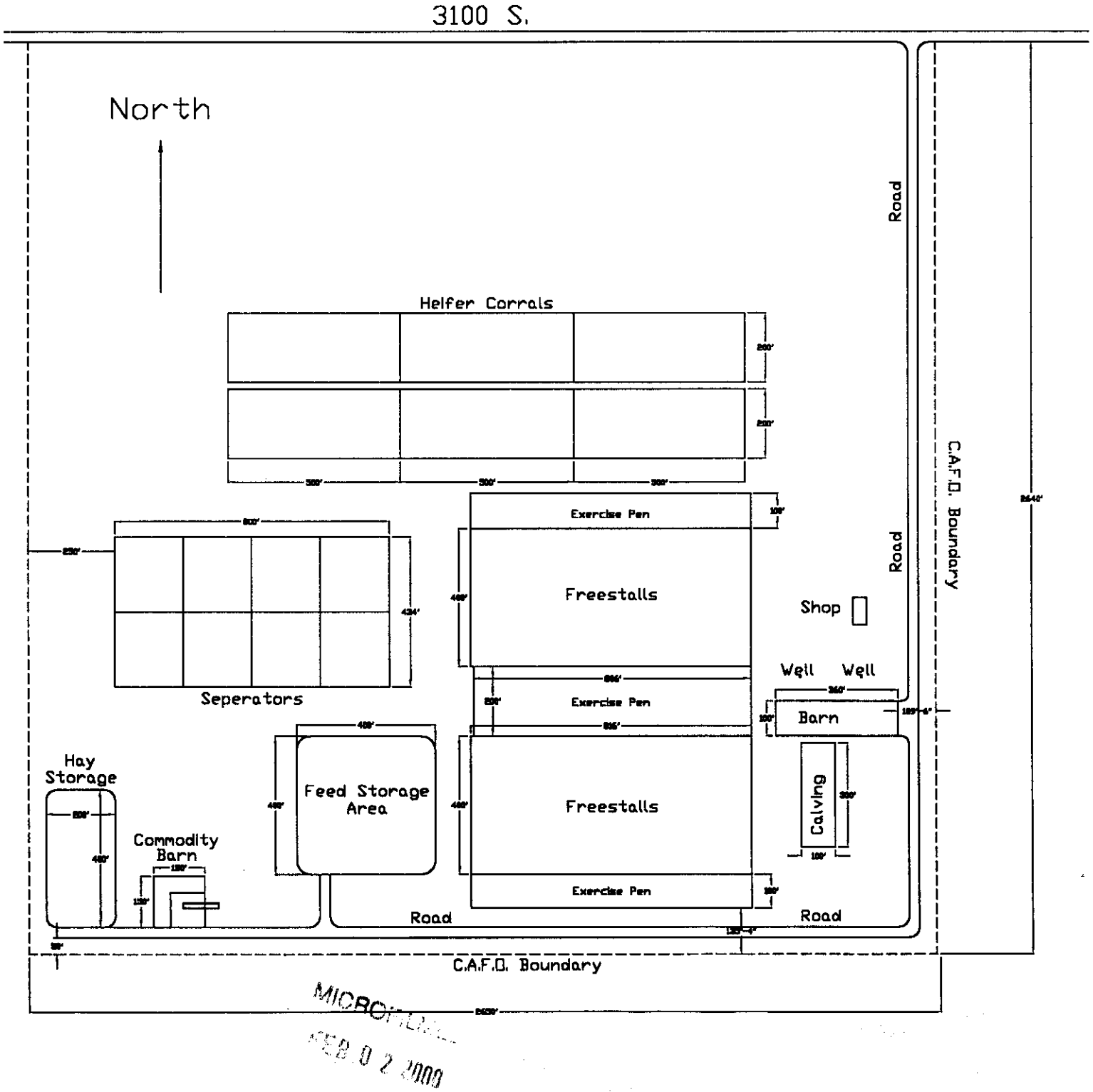



EXHIBIT
MICROFILMED
FEB 0 2 2000

WESTEC, INC
53 NORTH 200 WEST
JEROME, ID. 83338
(208) 324-3247

SOUTHFIELD DAIRY

Department of Water Resources
APPLICANT'S
Exhibit 2
Date Admitted 12/7/99 C.S.



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FEB 0 2 2000

EXHIBIT
3

MICROFILM
SEP 0 2 2009

November 12, 1999

Department of Water Resources
APPLICANT'S
Exhibit 3
Date Admitted 12/7/99 C.S.

Edwin Southfield
Southfield Dairy
3308 S. 1600 E.
Wendell, ID 83385

Dear Edwin:

The following letter contains preliminary data for the nutrient management plan on the proposed Dairy in Gooding County. The numbers represented in this document are based on book values taken from the Natural Resources Conservation Service's Agricultural Waste Handbook.

Milking and dry cows are housed in freestalls and bedded with composted manure. The freestalls will be scraped daily into a concrete solid storage area. The concrete storage area will weep liquids from the solids into the lagoon. The scraped solids will be composted and land applied in the spring and fall with a manure spreader or Slinger. Replacement heifers are housed in open lots. Solid manure from the heifer lots is stockpiled in the corrals and cleaned out twice a year. Solid waste is then composted and used for bedding in the freestalls. The proposed facility will house 5200 milking cows, 700 dry cows and 3000 heifers. Calves will be taken from the facility after birth and returned after one year.

Liquid waste from the milk barn will be stored in an earthen lagoon. A sizing was conducted to determine 180 days of liquid storage. Minimal water is used for cow preparation. Back flush will be utilized on the milker units. Milk will be picked up every day from four bulk tanks. The milking barn will consist of a double double 32. Pre-cooler water will be stored in a water tank and used to flush the milking parlor and holding pen. It is assumed that cow production will be 75 pounds per day and the plate cooler will be operated at a 3:1 ratio. Runoff from 10 acres of freestalls and 20 acres of corrals was included in the sizing. To contain 180 days of liquid waste the facility needs 4,985,005 ft^3 of storage plus one foot of freeboard. Plate cooler water may be used as cow drinking water to reduce the capacity of the lagoon.

Table 1 shows the total amount of nutrients produced on the existing facility for 5200 milk cows and replacements.

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ANIMAL WASTE MANAGEMENT
PLANNING WORKSHEET
FOR
Southfield Dairy

Location- 3308 South 1600 East

NUMBER OF ANIMALS, AVERAGE WEIGHT AND STORAGE PERIODS
REF: Idaho Animal Waste Management Guidelines (IAWMG) pages 62

DESCRIPTION	NUMBER	WEIGHT LBS	CONFINEMENT START	END	DAYS	DAYS GRAZED	DAYS STORAGE LIQUIDS	SOLIDS
MILKER	5200	1400	JAN	DEC	365	0	180	180
MILKER (DRY)	700	1280	JAN	DEC	365	0	180	180
HEIFERS	3000	750	JAN	DEC	365	0	180	180

DAILY NUTRIENTS AND VOLUMES PRODUCED REF: IAWMG pages 62-63
NRCS Animal Waste Management System, (PS 312) Job Approval Class- V

DESCRIPTION	1000 LB ANIMAL UNITS(AU)	CF/D/AU MANURE	LB/DAY/AU N	P	K
MILKER	7280.00	1.37	0.37	0.07	0.20
MILKER (DRY)	896.00	1.10	0.36	0.05	0.23
HEIFERS	2250.00	1.30	0.31	0.04	0.24
TOTALS>>>>>>>>>>>>>>>>>>	10426.00	1.33	0.36	0.06	0.21

BEDDING AND SEPARATOR FACTORS REF: IAWMG page 63

TYPE OF BEDDING- Compost
DAILY BEDDING FACTOR- 1 CF/DAY/AU

PERCENT OF MANURE TREATED AS A SOLID- 80 %

Does feed seepage enter liquid storage facility (Y/N)-? NO

MICROFILMED
FEB 0 2 2000

Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East

VOLUME OF WASH WATER — REF: IAWMG page 63

DESCRIPTION	RANGE	SELECTED GAL/DAY	SELECTED CF/DAY
Cow Preparation-			
Manual	(.5-7Gal or 0.06-1CF /Cow-Day)	2.5	0.334
Automatic- Stall Wash...	(5-15Gal or 1-2CF /Cow-Day)		
Sprinkler Wash.....	(25-40Gal or 3-5.5CF /Cow-Day)		
Total Daily Volume = 5200 Cows X Total Selected Amount=		13,000	1,736.80
Bulk Tank- Automatic.....	(60-110Gal or 8-15CF /Wash)	500	66.845
Manual.....	(30-50Gal or 4-7CF /Wash)		
Miscellaneous Equipment.....	(25-35Gal or 3-5CF /Wash)	1000	133.69
Pipelines.....	(75-150Gal or 10-20CF /Wash)	1200	160.42
Milkhouse and Parlor.....	(300-700Gal or 40-90CF /Wash)	34000	4545.4
Holding Area.....	(500-1200Gal or 70-160CF /Wash)	34000	4545.4
Total Daily Volume= 2 Washes X Total Selected Amount=		141,400	18,903.51

RAINFALL RUNOFF AREA CONTRIBUTING TO STORAGE

DESCRIPTION	AREA IN SQUARE FEET
Roof.....	
Concrete Slab, Scraped Daily, (Y/N)- YES	435600
Unsurfaced Lot.....	871200
Total-	1,306,800 SF

CLIMATIC AND HYDROLOGIC DATA — REF: IAWMG Pages 64 & 66-67

CLIMATIC STATION- GOODING 25YR-24HR STORM RAINFALL- 2.00 Inches

Month	Average Monthly in Inches Precipitation	Evaporation	% Lot Runoff Factors Concrete	Unpaved
JAN	1.47	0.20	100	16
FEB	1.27	0.30	100	16
MAR	1.29	0.40	100	16
APR	0.86	1.30	100	10
MAY	0.91	4.15	100	10
JUN	0.84	5.90	100	10
JUL	0.25	8.10	100	0
AUG	0.41	6.70	100	10
SEP	0.57	3.90	100	10
OCT	0.67	1.70	100	10
NOV	1.44	0.40	100	10
DEC	1.57	0.20	100	16
ANNUAL	11.55	33.25		

For Dec thru March the 1 in 5 year Precip Values are used
Average Precip Values used for other months.

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East

RAINFALL RUNOFF ENTERING LIQUID STORAGE FACILITY

	<<<<<<<<<<<<<<<<<<RUNOFF IN CUBIC FEET>>>>>>>>>>>>>>>>>>				
Month	0SF Roof	435,600SF Concrete Slab	* 871,200SF Unsurfaced Lot	695,556SF Storage Surface	Monthly Totals
JAN	0	11,206	22,412	85,206	118,823
FEB	0	7,837	15,674	73,613	97,125
MAR	0	8,429	16,858	74,772	100,059
APR	0	9,365	18,731	49,848	77,944
MAY	0	9,910	19,820	52,746	82,476
JUN	0	10,672	21,344	48,689	80,706
JUL	0	2,723	5,445	14,491	22,658
AUG	0	4,465	8,930	23,765	37,160
SEP	0	8,276	16,553	33,039	57,868
OCT	0	8,512	17,025	38,835	64,372
NOV	0	18,295	36,590	83,467	138,352
DEC	0	11,968	23,936	91,002	126,906

* - Unsurfaced lot area includes surface area of solid stacking facility.

TOTAL MONTHLY INFLOWS ENTERING LIQUID STORAGE FACILITY

	<<<<<<<<<<<<<<<<<<<<<<INFLOW IN CUBIC FEET>>>>>>>>>>>>>>>>>>>>>>					
Month	Surface Runoff	Evaporation	Seepage	Wash Water	Manure	Totals
JAN	118,823	-11,593	0	639,850	86,082	833,162
FEB	97,125	-17,389	0	577,929	77,752	735,416
MAR	100,059	-23,185	0	639,850	86,082	802,805
APR	77,944	-75,352	0	619,209	83,305	705,107
MAY	82,476	-240,546	0	639,850	86,082	567,861
JUN	80,706	-341,982	0	619,209	83,305	441,238
JUL	22,658	-469,500	0	639,850	86,082	279,090
AUG	37,160	-388,352	0	639,850	86,082	374,739
SEP	57,868	-226,056	0	619,209	83,305	534,327
OCT	64,372	-98,537	0	639,850	86,082	691,767
NOV	138,352	-23,185	0	619,209	83,305	817,682
DEC	126,906	-11,593	0	639,850	86,082	841,245
ANNUAL	1,004,449	-1,927,270	0	7,533,713	1,013,547	7,624,440

Total Liquids Entering Liquid Storage Facility Based on 180 Day Storage-

2.00 Inch 25YR-24HR Storm Rainfall=	115,926 CF or	2.7 AF
180 Day Precipitation - Evaporation=	295,611 CF or	6.8 AF
Roof, Slab and Lot Runoff=	201,302 CF or	4.6 AF
25Yr-24Hr Rainfall Runoff=	157,079 CF or	3.6 AF
Seepage=	0 CF or	0.0 AF
Washwater=	3,715,256 CF or	85.3 AF
Manure=	499,831 CF or	11.5 AF
0 Year Sludge Accumulated=	0 CF or	0.0 AF
Existing Storage=	0 CF or	0.0 AF
Existing Storage Surface Area=	0 SF or	0.0 AC
Total Storage Needed=	4,985,005 CF	

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East

DESCRIPTION OF LIQUID WASTE MANAGEMENT SYSTEM

STORAGE METHOD>>> Storage Pond(>50% Dilution)

Inside Top Width=	834	ft.
Inside Top Length=	834	ft.
Bottom Width=	800	ft.
Bottom Length=	800	ft.
Slope Ratio=	2	: 1
Pond Depth=	7.6	ft.
Freeboard Not Included in Pond Depth=	1.0	ft.
Volume of Liquids to Store=	114.4	AF
Volume of Facility=	116.0	AF

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Table 1. Nutrient Balance for 5200 Milking Head and Replacements

Description	*Volume, ft3*	*N, lbs/yr*	*P, lbs/yr*	*K, lbs/yr*
Lagoon		58,020	38,095	142,288
Scraped Manure	3,205,248	441,820	165,794	630,855
Solid Pack Manure	1,067,625	112,273	32,850	197,100
Total Nutrients Produced	4,695,430	612,113	236,739	970,243
Nutrients Exported	0	0	0	0
Total Nutrients for Land Application	4,695,430	612,113	236,739	970,243

With the proposed facility, Southfield Dairy will produce an estimated 612,113 lbs of nitrogen, 236,739 lbs of phosphorus, and 970,243 lbs of potassium. Phosphorus and potassium numbers represented in this document are those of elemental phosphorus and elemental potassium.

Crop nutrient uptake and fertilizer recommendations are shown in Table 3. Southfield Dairy will follow a rotation of 4 years corn silage and one year wheat.

Table 2. Crop Rotation and Nutrient Uptake

Crop	Years	Yield	N, lbs/acre	P, lbs/acre Crop Uptake	K, lbs/acre
Corn Silage-Summer Triticale-Winter	4	CS 37 tons/ac Triticale	220	CS 64.8 lbs/acre Triticale 20 lbs/acre	348
Wheat	1	130 bu/ac	124	48.3 lbs/acre	198
Average	5		200	77.5	318

It was assumed that within the next five years the soil test values will require use of crop uptake values for phosphorus, therefore these were used. Again, soil testing will determine the validity of these assumptions and the nutrient management plan will be altered in accordance to soil testing completed in the spring.

As illustrated in Table 2, crop uptake would allow 77.5 lbs/acre of phosphorus to be applied.

Table 3 shows the nutrients supplied by the liquids and solids when applied to crop uptake rates.

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77.5 lbs/ac MKN

Table 3. Nutrients Applied Through Waste Application

Crop Uptake	ft3/acre	N. lb/acre	P. lb/acre	K. lb/acre
Scraped Solids	1,639	207	85 lbs/acre	318
Solid Pack Solids	2,793	265	85 lbs/acre	318
Liquids		118	85 lbs/acre	318

As illustrated in Table 3, if Crop Uptake rates were utilized to determine application rates, 207 lb/ac of nitrogen would be supplied through scraped solids application while 265 lb/acre of nitrogen would be supplied through solid pack application. Mineralization was not taken into account for these calculations. it is assumed that 45% of the nitrogen applied will be released in the first year and 25% in the second year. The remaining nitrogen will release at a steady state at 6% per year. The least amount of nitrogen the crops will need is 280 lbs/acre for crop fertilizer recommendation on silage corn and triticale. Application of manure to meet the Crop Uptake recommendations will not supply enough nitrogen for the crops grown. Spring soil samples must be utilized to determine nitrogen fertilization rates due to the variability in mineralization rates.

Table 4 shows the total acres that should be utilized to land apply the liquid and solid waste from 5200 milking cows and replacements based on the above assumptions.

Table 5. Acres Needed for Land Application.

Crop Uptake	5200
Liquids	492 acres
Solids	2,563 acres

This plan was designed to crop uptake. Spring soil samples must be evaluated to determine nitrogen application rates. The waste system on the proposed dairy should be designed to crop uptake. The soil utilized for land application on this dairy will benefit greatly through waste application to increase the available water holding capacity and soil tilth.

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I hope this preliminary nutrient report will help you to plan your waste handling and application procedures. The Dairy Bureau does not require that you own the land that your nutrients are applied on. However, it is required that a written contract be supplied for any liquid effluent that leaves your facility for land application.

If I can be of further assistance or answer any questions please call me at 736-2057

Very truly yours,

Marsha Neibling

MARSHA NEIBLING

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FEB 0 2 2000

STATE OF IDAHO

DEPARTMENT OF AGRICULTURE

DIRK KEMPTHORNE
Governor

PATRICK A. TAKASUGI
Director

November 15, 1999

Department of Water Resources
APPLICANT'S
Exhibit 4
Date Admitted 12/7/99 C.S.

Edwin Southfield
Southfield Dairy
3308 S. 1600 E.
Wendell, ID 83385

Dear Edwin:

A preliminary sizing was conducted for your proposed facility to determine 180 days storage for liquid waste. The barn wash water numbers changed from the initial sizing, per on conversation on November 10, 1999. The sizing was conducted for 5200 milking cows, with 700 dry's and 3000 replacement heifers. Minimal cow preparation is used to prepare cows for milking. A back flush system will be utilized on the milking units. Milked will be chilled with a pre-cooler before storage. Milk will be picked up every day from four 10,000 gallon silo's. The milking barn will consist of a double double 32. A deck flush will be used to clean the milking parlor after every set. Pre-cooler water will be stored in a water tank and used to flush the milking parlor. If more pre-cooler water is generated than will be used to clean the milking parlor, it will be diverted into the cow drinkers or an irrigation pond. The holding pen will be flushed with water from the deck flush and hosed out after each milking. Runoff from 30 acres of open corrals was included in the sizing.

To contain 180 days of liquid waste the facility needs 2,310,882 ft^3 or 17,331,615 gallons of storage plus one foot of freeboard for earthen structures, 6" for concrete or steel structures.

Harley Noe, NRCS Soil Scientist conducted a soil analysis on the area of the proposed waste storage pond on November 10, 1999. Harley concluded that there is soil on-site for lagoon construction. However, he is unsure of the quantity of that source. Without further investigation, it is believed that additional soil would have to be brought in to build embankments, and possibly line the waste storage pond.

If a liquid depth of 8' (9' to 10' total depth) is desirable, possible dimensions for the earthen waste storage pond are as follows:

Length (ft)	Width (ft)	Depth (ft)	Side Slope	Capacity (ft3)
650	500	8	3	2,385,344
575	575	8	3	2,430,344
800	400	8	3	2,335,744

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As Harley's report indicates, there is a hard pan or caliche layer that is evident from 18" to 48" depending on location. Without ripping or blasting, it appears that the lagoon bottom could be placed 24 to 36" into the ground surface. Therefore, additional dirt would have to be found to build embankments for the remaining depth. Soil used to build berms does not have to meet waste storage pond lining requirements. However, these berms must be constructed and compacted correctly and the inside bank lined with 1' of an approved soil source.

If you wish to build the lagoon with more than an 8' liquid depth, the soil liner will be tested for permeability or additional soil will be required in the liner thickness.

The Department feels that steel slurry tanks are a viable solution for storage of liquid dairy effluent. In fact, if you decide to put in slurry tanks to contain 180 days of liquid waste we look forward to being involved in the process. In the past these tanks have not been economically viable for dairy producers.

I hope this letter will help you to plan your waste handling and application procedures. If you have any questions or comments, or if I can be of further assistance, please contact me at (208) 332-8665 or (208) 867-9156.

Sincerely,

Jenifer Beddoes

Jenifer Beddoes, EIT
Resource Engineer

cc: file – Dairy Bureau
Michael Mitchell – Engineer Manager, Technical Services
Diana Tews – State Dairy Inspector

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FEB 02 2009

ANIMAL WASTE MANAGEMENT
PLANNING WORKSHEET
FOR
Southfield Dairy

Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

NUMBER OF ANIMALS, AVERAGE WEIGHT AND STORAGE PERIODS
REF: Idaho Animal Waste Management Guidelines (IAWMG) pages 62

DESCRIPTION	NUMBER	WEIGHT LBS	CONFINEMENT START	CONFINEMENT END	CONFINEMENT DAYS	DAYS GRAZED	DAYS STORAGE LIQUIDS	DAYS STORAGE SOLIDS
MILKER	5200	1400	JAN	DEC	365	0	180	180
MILKER (DRY)	700	1400	JAN	DEC	365	0	180	180
HEIFERS	3000	850	JAN	DEC	365	0	180	180

DAILY NUTRIENTS AND VOLUMES PRODUCED REF: IAWMG pages 62-63
NRCS Animal Waste Management System, (PS 312) Job Approval Class- V

DESCRIPTION	1000 LB ANIMAL UNITS(AU)	CF/D/AU MANURE	LB/DAY/AU N	LB/DAY/AU P	LB/DAY/AU K
MILKER	7280.00	1.37	0.37	0.07	0.20
MILKER (DRY)	980.00	1.30	0.36	0.05	0.23
HEIFERS	2550.00	1.30	0.31	0.04	0.24
TOTALS>>>>>>>>>>>>>>>>>>	10810.00	1.35	0.35	0.06	0.21

BEDDING AND SEPARATOR FACTORS REF: IAWMG page 63

TYPE OF BEDDING- Straw
DAILY BEDDING FACTOR- 1 CF/DAY/AU

PERCENT OF MANURE TREATED AS A SOLID- 80 %

Does feed seepage enter liquid storage facility (Y/N)-? NO

MICROFILMED
FEB 0 2 2009

Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

VOLUME OF WASH WATER REF: IAWMG page 63

DESCRIPTION	RANGE	SELECTED GAL/DAY	CF/DAY
Cow Preparation-			
Manual	(.5-7Gal or 0.06-1CF /Cow-Day)	2.5	0.334
Automatic- Stall Wash	(5-15Gal or 1-2CF /Cow-Day)		
Sprinkler Wash	(25-40Gal or 3-5.5CF /Cow-Day)		
Total Daily Volume =	13,000 1,736.80		
Bulk Tank- Automatic	(60-110Gal or 8-15CF /Wash)	1000	133.69
Manual	(30-50Gal or 4-7CF /Wash)		
Miscellaneous Equipment	(25-35Gal or 3-5CF /Wash)	1000	133.69
Pipelines	(75-150Gal or 10-20CF /Wash)	1200	160.42
Milkhouse and Parlor	(300-700Gal or 40-90CF /Wash)	15000	2005.3
Holding Area	(500-1200Gal or 70-160CF /Wash)	1500	200.53
Total Daily Volume= 2 Washes X Total Selected Amount=		39,400	5,267.26

RAINFALL RUNOFF AREA CONTRIBUTING TO STORAGE

DESCRIPTION	AREA IN SQUARE FEET
Roof	
Concrete Slab, Scraped Daily, (Y/N)- YES	
Unsurfaced Lot	1306800
Total-	1,306,800 SF

CLIMATIC AND HYDROLOGIC DATA REF: IAWMG Pages 64 & 66-67

CLIMATIC STATION- GOODING 25YR-24HR STORM RAINFALL- 2.00 Inches

Month	Average Monthly in Inches Precipitation	Evaporation	% Lot Runoff Factors Concrete	Unpaved
JAN	1.47	0.20	21	16
FEB	1.27	0.30	17	16
MAR	1.29	0.40	18	16
APR	0.86	1.30	30	10
MAY	0.91	4.15	30	10
JUN	0.84	5.90	35	10
JUL	0.25	8.10	30	10
AUG	0.41	6.70	30	10
SEP	0.57	3.90	40	10
OCT	0.67	1.70	35	10
NOV	1.44	0.40	35	10
DEC	1.57	0.20	21	16
ANNUAL	11.55	33.25		

For Dec thru March the 1 in 5 year Precip Values are used
Average Precip Values used for other months.

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

RAINFALL RUNOFF ENTERING LIQUID STORAGE FACILITY

Month	0SF Roof	0SF Concrete Slab	*&1,306,800SF Unsurfaced Lot	669,124SF Storage Surface	Monthly Totals
	<<<<<<<<<<<<<<<<<<RUNOFF IN CUBIC FEET>>>>>>>>>>>>>>>>>				
JAN	0	0	33,617	81,968	115,585
FEB	0	0	23,512	70,816	94,327
MAR	0	0	25,287	71,931	97,217
APR	0	0	9,365	47,954	57,319
MAY	0	0	9,910	50,742	60,652
JUN	0	0	9,148	46,839	55,986
JUL	0	0	2,723	13,940	16,663
AUG	0	0	4,465	22,862	27,327
SEP	0	0	6,207	31,783	37,991
OCT	0	0	7,296	37,359	44,656
NOV	0	0	15,682	80,295	95,976
DEC	0	0	35,904	87,544	123,448

* - Unsurfaced lot area includes surface area of solid stacking facility.

TOTAL MONTHLY INFLOWS ENTERING LIQUID STORAGE FACILITY

Month	Surface Runoff	Evaporation	Seepage	Wash Water	Manure	CUMULATIVE Totals
	<<<<<<<<<<<<<<<<<<<<<<INFLOW IN CUBIC FEET>>>>>>>>>>>>>>>>>>>>					
OCT	44,656	-94,793	0	217,126	69,735	236,724
NOV	95,976	-22,304	0	210,122	67,486	588,004
DEC	123,448	-11,152	0	217,126	69,735	987,161
JAN	115,585	-11,152	0	217,126	69,735	1,378,455
FEB	94,327	-16,728	0	196,114	62,987	1,715,154
MAR	97,217	-22,304	0	217,126	69,735	2,076,928
APR	57,319	-72,488	0	210,122	67,486	2,339,367
MAY	60,652	-231,405	0	217,126	69,735	2,455,474
JUN	55,986	-328,986	0	210,122	67,486	2,460,082
JUL	16,663	-451,659	0	217,126	69,735	2,311,947
AUG	27,327	-373,594	0	217,126	69,735	2,252,540
SEP	37,991	-217,465	0	210,122	67,486	2,350,673
ANNUAL	827,147	-1,854,031	0	2,556,482	821,075	

Total Liquids Entering Liquid Storage Facility Based on 180 Day Storage-

2.00 Inch 25YR-24HR Storm Rainfall=	111,521 CF or	2.6 AF
180 Day Precipitation - Evaporation=	284,378 CF or	6.5 AF
Roof, Slab and Lot Runoff=	122,621 CF or	2.8 AF
25Yr-24Hr Rainfall Runoff=	126,718 CF or	2.9 AF
Seepage=	0 CF or	0.0 AF
Washwater=	1,260,731 CF or	28.9 AF
Manure=	404,914 CF or	9.3 AF
0 Year Sludge Accumulated=	0 CF or	0.0 AF
Existing Storage=	0 CF or	0.0 AF
Existing Storage Surface Area=	0 SF or	0.0 AC
Total storage Volume=	2,310,882 CF or	53.1 AF

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

DESCRIPTION OF LIQUID WASTE MANAGEMENT SYSTEM

STORAGE METHOD>>> Storage Pond(>50% Dilution)

Inside Top Width=	818 ft.
Inside Top Length=	818 ft.
Bottom Width=	800 ft.
Bottom Length=	800 ft.
Slope Ratio=	2 : 1
Pond Depth=	3.6 ft.
Freeboard Not Included in Pond Depth=	1.0 ft.
Volume of Liquids to Store=	53.1 AF
Volume of Facility=	53.9 AF

APPLICATION METHOD>>> Sprinkling
Moderately Well Drained Soil Drainage Class
Location- CENTRAL IDAHO

NUTRIENT ACCOUNTING FOR LIQUIDS>>>

Loss Category	Nitrogen Remaining Percent	Nitrogen Remaining Pounds 280,094	Phosphorous(P2O5) Remaining Percent	Phosphorous(P2O5) Remaining Pounds 110,336	Potassium(K2O) Remaining Percent	Potassium(K2O) Remaining Pounds 201,739
Storage	35	98,033	95	104,819	95	191,652
Application	75	73,525	100	104,819	100	191,652
Denitrification	96	70,584	100	104,819	100	191,652

MANAGEMENT CRITERIA FOR Sprinkling APPLICATION OF LIQUIDS>>>

Sprinkler Flowrate=	300 GPM
Wetted Diameter=	250 FEET
Application Rate=	0.59 INCHES/HOUR

PHOSPHOROUS Concentration in Storage= 715 PPM OR 5.96 LBS/1000 GAL

To apply 17,583,032 gallons of liquids generated from the operation, it will take approximately 977 hours of pumping annually. Based on applying PHOSPHOROUS at the agronomic rate, use the application depths, set times and travel rates listed below for each crop:

CROP	Application (NO)	Application (LBS)	Application (INCHES)	Set Time (HOURS)	Travel Rate (FEET/MINUTE)
Alfalfa, Hay	1.0	123	0.76	1.3	2.5
Corn, Ensilage (w.b.)	1.0	95	0.59	1.0	3.3

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

DESCRIPTION OF SOLIDS WASTE MANAGEMENT SYSTEM

STORAGE METHOD>>> Solids Storage(Unroofed)

Length of Facility=	ft.
Width of Facility=	ft.
Wall Height of Facility=	ft.
Total Stacking Height of Facility=	ft.
Side Slopes of Stack=	2 : 1
Is the Facility Covered, (Y/N)?-	NO
Volume of Solids to Store=	%3,189,254 CF
Volume of Facility=	0 CF

APPLICATION METHOD>>> Broadcast
Moderately Well Drained Soil Drainage Class
Location- CENTRAL IDAHO

NUTRIENT ACCOUNTING FOR SOLIDS>>>

Loss Category	Nitrogen Remaining Percent	Nitrogen Remaining Pounds	Phosphorous(P2O5) Remaining Percent	Phosphorous(P2O5) Remaining Pounds	Potassium(K2O) Remaining Percent	Potassium(K2O) Remaining Pounds
		%1,120,375		441,344		806,956
Storage	75	840,281	95	419,277	95	766,608
Application	80	672,225	100	419,277	100	766,608
Denitrification	96	645,336	100	419,277	100	766,608

MANAGEMENT CRITERIA FOR Broadcast APPLICATION OF SOLIDS>>>

Tractor Spreader Capacity=	160 BUSHELS or	199 CF
Width of Application=	15 FEET	
PHOSPHOROUS Concentration in Storage=	1,039 PPM OR	6.48 LBS/100CF

To apply 6,467,099 cubic feet of solids generated from the operation, it will take approximately 32,498 trips annually using a tractor spreader. Based on applying PHOSPHOROUS at the agronomic rate, use the application depths, travel lengths and loads per acre listed below for each crop:

CROP	Application (NO)	Application (LBS)	Application (INCHES)	Travel Length (FEET)	Loads per Acre (NO)
Alfalfa, Hay	1.0	123	0.52	305	9.5
Corn, Ensilage (w.b.)	1.0	95	0.40	394	7.4

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

DESCRIPTION OF WASTE MANAGEMENT FOR GRAZING SYSTEM

STORAGE METHOD>>> None (grazing)

APPLICATION METHOD>>> Grazing
Moderately Well Drained Soil Drainage Class
Location- CENTRAL IDAHO

NUTRIENT ACCOUNTING FOR GRAZING>>>

Loss Category	Nitrogen Remaining Percent	Nitrogen Remaining Pounds 0	Phosphorous (P2O5) Remaining Percent	Phosphorous (P2O5) Remaining Pounds 0	Potassium (K2O) Remaining Percent	Potassium (K2O) Remaining Pounds 0
Storage	100	0	100	0	100	0
Application	85	0	100	0	100	0
Denitrification	96	0	100	0	100	0

CROP INVENTORY N-Nitrogen P2O5-Phosphorous K2O-Potassium

Crops	Yield Units	Target Yield	Nutrients Utilized Pounds/Acre N	P2O5	K2O	Allowable Application Inches/Acre Liquid	Solid
Alfalfa, Hay	(Ton)	7	537.6	123.3	517.9	0.76	0.52
Corn, Ensilage (w.b.)	(Ton)	32	224.0	95.2	254.5	0.59	0.40

UTILIZATION ACRES BASED ON PHOSPHOROUS

Crop	Percent to be Applied / Acres Liquids	Solids	Grazing
Alfalfa, Hay	56 / 476	56 / 1,904	56 / 0
Corn, Ensilage (w.b.)	44 / 485	44 / 1,938	44 / 0
TOTALS>>>>>>>>>>>>>>>>>>>>>>	100 / 961	100 / 3,842	100 / 0

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Landowner/Operator- Southfield Dairy
Location- 3308 South 1600 East
Assisted by- Jenifer Beddoes - ISDA Date- 11-15-1999

NUTRIENTS TO BE UTILIZED AND VALUE IN DOLLARS PER POUND

Nutrient Form	Nutrients in Pounds Nitrogen	Phosphorous(P2O5)	Potassium(K2O)
Liquid-	70,584	104,819	191,652
Solid-	645,336	419,277	766,608
Grazing-	0	0	0
TOTAL>>>>>>>>>>>>>>>	715,920	524,096	958,260
Nutrient Value>>>>>>	$0.25/Lb	$0.21/Lb	$0.14/Lb

NUTRIENT MANAGEMENT COSTS AND NUTRIENT BALANCE

System Life = 20 YEARS
Annual Percentage Rate = 10 %
Fertilizer Application Cost = $6.25 /Acre
Manure Application Cost = $20.00 /Acre

Utilization Area Acres	Cost Savings $/Yr	Breakeven Cost $/Life	Nutrients Utilized Lbs N	P2O5	K2O	Nutrient Balance Lbs N	P2O5	K2O
2,882	$339,550	$2,890,785	%1093275	314458	%1109489	377355	%-209639	151229
3,842	$348,355	$2,965,744	%1457700	419277	%1479318	741780	%-104819	521058
*4,803	$357,160	$3,040,704	%1822125	524096	%1849148	%1106205	0	890888
5,763	$343,953	$2,928,263	%2186550	628916	%2218978	%1470630	104819	%1260718
6,724	$330,745	$2,815,821	%2550975	733735	%2588807	%1835055	209639	%1630547

NOTE: Negative values under Nutrient Balance indicate excess nutrients available. Positive values under Nutrient Balance indicate additional nutrients may be needed to meet target yields.

NUTRIENT APPLICATION CALENDAR

N - Application Not Recommended
Y - Application Recommended

MONTH>>>>>	---JAN---		--FEB--		----MAR----			----APR----								
WEEK>>>>>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
APPLY>>>>>	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

MONTH>>>>>	------MAY-----				----JUN----				------JUL-----					----AUG----			
WEEK>>>>>	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
APPLY>>>>>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

MONTH>>>>>	----SEP----				------OCT-----				----NOV----				----DEC----			
WEEK>>>>>	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
APPLY>>>>>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N

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SOIL INVENTORY AND EVALUATION OF ANIMAL WASTE POND SITES BY THE NATURAL RESOURCES CONSERVATION SERVICE

REQUESTED BY: Edwin Southfield
ADDRESS: ?
ADDRESS: Wendell, ID 83355 **DATE:** 11/10/99
PHONE: ?
ASSISTED BY: Harley Noe, Resource Soil Scientist, Meridian, ID

DEPTH (IN.)	SOIL TEXTURE	% CLAY	% PASSING 200 SIEVE	PI INDEX	SOIL GROUP
SITE #1 *Northern pit in series of 3 backhoe pits.*					
0-15	Loam	16%	65%	7	II
NOTES: This is only marginal material and is only 15 inches deep over basalt bedrock.					
SITE #2 *Center pit of series of 3.*					
0-10	Loam	18%	70%	8	II
10-22	Sandy Clay Loam	30%	45%	16	III
22-42	Silt Loam	22%	85%	11	II
42+	Duripan	-	-	-	-

NOTES: All material above the duripan would be suitable as liner if properly placed, wetted and compacted.

Location: South of Wendell to 3100S then west to 1500E and 1/2 mile farther west. In alfalfa field.

GENERAL NOTES: There is some material available here, however it is not very extensive. At the deepest point observed there is about 3 feet of useable soil. Visual observation of the area indicates to me that thickness varies greatly to underlying bedrock. They would have a difficult time getting enough material onsite to build embankments and line the lagoon. Because the floor will be over bedrock, it will require 24 inches of compacted liner.

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SOIL INVENTORY AND EVALUATION OF
ANIMAL WASTE POND SITES
BY THE
NATURAL RESOURCES CONSERVATION SERVICE

CONTINUATION SHEET

REQUESTED BY: Edwin Southfield **DATE:** 11/10/99

DEPTH (IN.)	SOIL TEXTURE	% CLAY	% PASSING 200 SIEVE	PI INDEX	SOIL GROUP
SITE #3	*Southern pit of the series of 3*				
0-10	Loam	20%	75%	10	II
10-18	Sandy Loam	17%	35%	8	ii
18+	Duripan over bedrock	-	-	-	-
NOTES:	Upper 18 inches would be suitable material, although marginal, if properly placed, wetted and compacted.				
SITE #4					
NOTES:					
SITE #5					
NOTES:					

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EXHIBIT
5

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FEB 0 2 2000

United States Department of Agriculture

Natural Resources Conservation Service

211 University Ave.
Gooding, ID 83330-6155

Department of Water Resources
APPLICANT'S
Exhibit 5
Date Admitted 12/7/99

Department of Water Resources
APPLICANT'S

June 3, 1999

Subject: Soils Rating Criteria

To: Ed Southfield

In response to your request for assistance in completion of Exhibit A, site limitations and rating criteria for the Gooding Planning and Zoning I have attached a selection of documents. These documents provide all of the information required for the rating site characteristics with the exception of "Oxides, Sesquixides and Carbonates", Soil Moisture and Temperature regimes, and surface and subsurface structure. These components are provided by USDA-NRCS Soil Scientist Dal Ames. The appropriate rating category is highlighted on the Exhibit A for each category.

Several categories rated above moderate. These were the Limiting Layer Depth, Depth of Bedrock and Organic Matter. The rating of Limiting Layer Depth was severe due to the shallow depth to bedrock of several of the soil complexes. The shallow depth ranged from approximately 20-40 inches to bedrock on several map components. The management concern related to shallow depth is the combination with permeability. While the siting criteria focuses on the slowest intake layer, a concern with shallow depths are the faster layers within the horizons. Soils containing rapid intake rates and that are shallow in depth require accurate monitoring of applied irrigation and nutrients rates to prevent leaching of nutrients below the rooting zone and to the bedrock layer. Additionally, these soils are formed in a complex group of multiple soils, one component of the group may have a shallow component while others do not.

The organic matter categories rated severe due to the nature of sandy soils. The granular nature of sandy soil does not retain moisture within the pore spaces for long duration and are naturally low in organic material. The organic ratings given to the soil complexes reflect natural conditions, most soils which have been in a farming rotation over an extended period will have an increase of .5 to 1% in rating. Application of solid waste material will be beneficial to these soils and is a common prescribed management practice.

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The presence of these conditions will require development of a nutrient management plan and proper irrigation water management. These conditions will not create an environmental hazard which cannot be controlled with good management.

If we can be of further assistance please call at 934-8481.

Sincerely,

Stephen N. Thompson
District Conservationist, Gooding

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producer : Ed Southfield

EXHIBIT A
Site Limitations

Rating Criteria for Land-Applied Wastewater

Site Characteristics	VERY SEVERE	SEVERE	MODERATE	SLIGHT
AWC in /60 in. (available water capacity)	< 1"	1-3"	3"-6"	> 6"
Bedrock Characteristics if >5' depth		Highly fractured columnar	Fractures 1 - 2" apart	Fractures > 2' apart
Cation Exchange Capacity (Surface 10")	<5 meq/100gr	5 - 10 meq/100gr	5 - 10 meq/100gr	>20 meq/100gr
Coarse Fragment (>3")(0 - 40 depth)	>60%	35 - 60%	15 - 35%	<15 %
Depth of Bedrock	<2'	2 - 3'	3 - 5'	>5'
Drainage Class	Very poorly	Poorly Somewhat Poorly	Moderately Well Excessive	Well Somewhat Excessive
Erodibility (Water) K Factor X Slope	>6	4 - 6	2 - 4	>2
Flooding Potential	More than 1x per year	1 - 2 years	2 - 5 years	> 5 years
Frost free season (32F)	< 60 days	60 -90 days	90 - 120 days	> 120 days
Limiting Layer Depth (duripan) (fragipan)	< 3'	3 - 4'	4 - 5'	>5'
Organic Matter (0 - 10" depth)	<. 5%	.5-1%	1 - 3%	>3%
Oxides Sesquixides Carponates		All uncoated sand grains no Ca accumulation or Fe Exchange sets	Partially coated sand grains (Ca or Fe)	Sand grain coated with Fe or Carbonates, allophone layers, Ca horizons present

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Permeability (Slowest layer within 5' depth)	> 20" per/hr < 0.06" per/hr	10-20" per/hr 0.06 - 0.2" per/hr	6 - 10" per/hr 0.2 - 0.6" per/hr	0.6 -" per/hr
pH 0 - 40" depth	<4 >9	4.0 - 4.5 8.5 - 9.0	4.5 - 5.6 7.9 - 8.5	5.6 - 7.9
Salinity 0 - 40" depth	Salt on Surface	> 8 MMHos/cm	4 - 8 MMHos/cm	< 4 MMHos/cm
SAR (Sadium Adsorption Ratio)	>12	8 - 12	4 - 3	<4
Slopes	>12	6-12	2 - 6	<2
Soil Texture Surface	Clays >50% Extremely Gravelly Textures, Stony Soils, Very & Extremely Cobbly	Clays, Silty Clays Cobbly Soils, Very Gravelly Textures	Silty Clay Loams, Clay Loams, Gravelly Textures, Sandy Clay Loam, Sands	Sandy Loams Silt Loams Loams Sandy Loams
Soil Temperature Regime			Cryic	Frigid or warmer
Soil Moisture Regime		Aquic	Aquic Intergrade	Xeric Udic Aridic
Subsurface Structure 3-24" depth		Massive Platy Columnar	Weak Granular Weak Prismatic	Mod & Strong Blocky Mod & Strong Prismatic
Surface Structure 0 - 10 " Depth Cultivated 0 - 3" depth, native		Cloddy Massive Platy	Weak Granular Weak Blocky	Mod & Strong Granular, Mod & Strong Blocky
Water Table Depth	<2'	2 - 3'	3 - 5'	>5'
Wind Erodibility Group (SCS)		6, 7, 8,	1, 2	3, 4, 4, <5

1 Land that is established in forests can be acceptable in the very severe range
2 Summer application can be considered if classified very severe

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U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

SOIL MAP LEGEND
edit

Map symbol	Soil name
92	Jestrick-Kecko-Rock Outcrop complex, 2 to 12 percent slopes
188	Taunton-Chijer loamy fine sands, 1 to 4 percent slopes
206	Vining-Kecko-Rock Outcrop complex, 2 to 12 percent slopes
189	Taunton-Chijer very fine sandy loams, 1 to 4 percent slopes
186	Taunton very fine sandy loam, 0 to 3 percent slopes
198	Ticeska-Minveno-Taunton complex, 3 to 10 percent slopes
199	Ticeska-Taunton-Minveno complex, 1 to 3 percent slopes
194	Taunton-Ticeska very fine sandy loams, 1 to 4 percent slopes

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NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION OF THE SOILS
edit

(The classification report does not include recent amendments to soil taxonomy for cation exchange activity, particle size modifier, and dual mineralogy for strongly contrasting classes. For more detailed information contact your local USDA Natural Resources Conservation Service field office or state office.

Soil name	Family or higher taxonomic class
Chijer	DURIXEROLLIC CALCIORTHIDS, COARSE-SILTY, MIXED, MESIC
Jestrick	XEROLLIC DURORTHIDS, COARSE-LOAMY, MIXED, MESIC
Kecko	XEROLLIC CAMBORTHIDS, COARSE-LOAMY, MIXED, MESIC
Minveno	XEROLLIC DURORTHIDS, LOAMY, MIXED, MESIC, SHALLOW
Taunton	XERIC HAPLODURIDS, COARSE-LOAMY, MIXED, MESIC
Ticeska	XEROLLIC DURORTHIDS, COARSE-LOAMY, MIXED, MESIC
Vining	XEROLLIC CAMBORTHIDS, COARSE-LOAMY, MIXED, MESIC

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NONTECHNICAL SOILS DESCRIPTION REPORT
edit

Map Symbol	Soil name and description
92	Jestrick-Kecko-Rock Outcrop complex, 2 to 12 percent slopes This map unit is about 40 percent Jestrick very fine sandy loam, 25 percent Kecko very fine sandy loam and 20 percent Rock Outcrop. Slopes are 2 to 12 percent. Runoff is slow and the hazard of erosion by water is slight to medium and moderate by wind. Jestrick soils are moderately deep to a hardpan and somewhat excessively drained, have moderate rapid permeability and low available water capacity. Kecko soils are very deep and well drained, have moderately rapid permeability and moderate available water capacity.
	This map unit is about 40 percent Jestrick very fine sandy loam, 25 percent Kecko very fine sandy loam and 20 percent Rock Outcrop. Slopes are 2 to 12 percent. Runoff is slow and the hazard of erosion by water is slight to medium and moderate by wind. Jestrick soils are moderately deep to a hardpan and somewhat excessively drained, have moderate rapid permeability and low available water capacity. Kecko soils are very deep and well drained, have moderately rapid permeability and moderate available water capacity.
188	Taunton-Chijer loamy fine sands, 1 to 4 percent slopes This map unit is about 50 percent Taunton loamy fine sand and 40 percent Chijer loamy fine sand. Slopes are 1 to 4 percent. Runoff is very slow or slow and the hazard of erosion by water is slight and severe by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and moderate available water capacity. Chijer soils are deep to a hardpan and well drained, have moderate permeability and moderate available water capacity.

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NONTECHNICAL SOILS DESCRIPTION REPORT
edit

Map Symbol	Soil name and description
	This map unit is about 50 percent Taunton loamy fine sand and 40 percent Chijer loamy fine sand. Slopes are 1 to 4 percent. Runoff is very slow or slow and the hazard of erosion by water is slight and severe by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and moderate available water capacity. Chijer soils are deep to a hardpan and well drained, have moderate permeability and moderate available water capacity.
206	Vining-Kecko-Rock Outcrop complex, 2 to 12 percent slopes This map unit is about 35 percent Vining fine sandy loam, 30 percent Kecko loamy fine sand and 20 percent Rock Outcrop. Slopes are 2 to 12 percent. Runoff is slow to rapid and the hazard of erosion by water is slight to severe and severe by wind. Vining soils are moderately deep and well drained, have moderately rapid permeability and moderate available water capacity. Kecko soils are very deep and well drained, have moderately rapid permeability and moderate available water capacity. Rock Outcrop consists of exposed basalt bedrock.
	This map unit is about 35 percent Vining fine sandy loam, 30 percent Kecko loamy fine sand and 20 percent Rock Outcrop. Slopes are 2 to 12 percent. Runoff is slow to rapid and the hazard of erosion by water is slight to severe and severe by wind. Vining soils are moderately deep and well drained, have moderately rapid permeability and moderate available water capacity. Kecko soils are very deep and well drained, have moderately rapid permeability and moderate available water capacity. Rock Outcrop consists of exposed basalt bedrock.
189	Taunton-Chijer very fine sandy loams, 1 to 4 percent slopes

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NONTECHNICAL SOILS DESCRIPTION REPORT
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Map Symbol	Soil name and description
	This map unit is about 45 percent Taunton very fine sandy loam and 35 percent Chijer very fine sandy loam. Slopes are 1 to 4 percent. Runoff is very slow or slow and the hazard of erosion by water is slight and moderate by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and low available water capacity. Chijer soils are deep to a hardpan and well drained, have moderate permeability and moderate available water capacity.
	This map unit is about 45 percent Taunton very fine sandy loam and 35 percent Chijer very fine sandy loam. Slopes are 1 to 4 percent. Runoff is very slow or slow and the hazard of erosion by water is slight and moderate by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and low available water capacity. Chijer soils are deep to a hardpan and well drained, have moderate permeability and moderate available water capacity.
188	Taunton very fine sandy loam, 0 to 3 percent slopes
	This soils is moderately deep to a hardpan and well drained. Slopes are 0 to 3 percent. Permeability is moderate, available water capacity is low, runoff is very slow and the hazard of erosion is none to slight by water and moderate by wind. The surface texture is very fine sandy loam about 9 inches thick.
	This soils is moderately deep to a hardpan and well drained. Slopes are 0 to 3 percent. Permeability is moderate, available water capacity is low, runoff is very slow and the hazard of erosion is none to slight by water and moderate by wind. The surface texture is very fine sandy loam about 9 inches thick.
198	Ticeska-Minveno-Taunton complex, 3 to 10 percent slopes

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NONTECHNICAL SOILS DESCRIPTION REPORT
edit

Map Symbol	Soil name and description
	This map unit is about 40 percent Ticeska very fine sandy loam, 25 percent Minveno very fine sandy loam and 15 percent Taunton very fine sandy loam. Slopes are 1 to 6 percent. Runoff is slow to medium and the hazard of erosion by water is slight to moderate and moderate by wind. Taunton and Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and low or very low available water capacity. Minveno soils are shallow to a hardpan and well drained, have moderate permeability and very low available water capacity.
	This map unit is about 40 percent Ticeska very fine sandy loam, 25 percent Minveno very fine sandy loam and 15 percent Taunton very fine sandy loam. Slopes are 1 to 6 percent. Runoff is slow to medium and the hazard of erosion by water is slight to moderate and moderate by wind. Taunton and Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and low or very low available water capacity. Minveno soils are shallow to a hardpan and well drained, have moderate permeability and very low available water capacity.
199	Ticeska-Taunton-Minveno complex, 1 to 3 percent slopes
	This map unit is about 35 percent Ticeska very fine sandy loam, 25 percent Taunton very fine sandy loam and 15 percent Minveno very fine sandy loam. Slopes are 1 to 3 percent. Runoff is slow and the hazard of erosion by water is slight to slight and moderate by wind. Taunton and Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and low or very low available water capacity. Minveno soils are shallow to a hardpan and well drained, have moderate permeability and very low available water capacity.

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NONTECHNICAL SOILS DESCRIPTION REPORT
edit

Map Symbol	Soil name and description
	This map unit is about 35 percent Ticeska very fine sandy loam, 25 percent Taunton very fine sandy loam and 15 percent Minveno very fine sandy loam. Slopes are 1 to 3 percent. Runoff is slow and the hazard of erosion by water is slight to slight and moderate by wind. Taunton and Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and low or very low available water capacity. Minveno soils are shallow to a hardpan and well drained, have moderate permeability and very low available water capacity.
194	Taunton-Ticeska very fine sandy loams, 1 to 4 percent slopes This map unit is about 55 percent Taunton very fine sandy loam and 35 percent Ticeska very fine sandy loam. Slopes are 1 to 4 percent. Runoff is slow and the hazard of erosion by water is slight and moderate by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and moderate available water capacity. Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and very low available water capacity.
	This map unit is about 55 percent Taunton very fine sandy loam and 35 percent Ticeska very fine sandy loam. Slopes are 1 to 4 percent. Runoff is slow and the hazard of erosion by water is slight and moderate by wind. Taunton soils are moderately deep to a hardpan and well drained, have moderate permeability and moderate available water capacity. Ticeska soils are moderately deep to a hardpan and well drained, have moderate permeability and very low available water capacity.

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CHEMICAL PROPERTIES OF THE SOILS
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Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
92:								
Rock Outcrop.								
Jestrick	0-6	12-16	9.0-15.0	6.6-7.3	---	---	---	---
	6-18	8-18	5.0-15.0	6.6-7.8	---	---	---	---
	18-26	8-17	5.0-15.0	7.9-9.0	10-20	---	0-2	---
	26-36	---	---	---	---	---	---	---
	36-40	---	---	---	---	---	---	---
Kecko	0-9	10-18	8.0-20.0	7.4-8.4	---	---	---	---
	9-52	10-18	6.0-15.0	6.6-8.4	0-25	---	0-2	0-5
	52-61	5-10	3.0-9.0	7.4-8.4	15-25	---	0-2	0-5
188:								
Taunton	0-9	5-12	4.0-12.0	6.6-7.8	0-5	---	---	---
	9-29	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	29-43	---	---	---	---	---	---	---
	43-53	---	---	---	---	---	---	---
Chijer	0-8	5-8	4.0-8.0	6.6-8.4	0-15	---	0-2	---
	8-39	8-18	5.0-15.0	7.4-9.0	6-40	---	2-8	0-5
	39-46	8-13	5.0-11.0	7.4-9.0	16-40	---	2-8	0-5
	46-60	---	---	---	---	---	---	---
206:								
Rock Outcrop.								
Vining	0-6	6-15	5.0-14.0	6.6-7.8	---	---	---	---
	6-24	7-18	5.0-15.0	6.6-8.4	0-5	---	0-2	---
	24-28	---	---	---	---	---	---	---
Kecko	0-5	3-8	3.0-8.0	6.6-8.4	---	---	---	---
	5-40	10-18	6.0-15.0	6.6-8.4	0-25	---	0-2	0-5
	40-61	5-10	3.0-9.0	7.4-8.4	15-25	---	0-2	0-5
189:								
Taunton	0-9	8-15	6.0-14.0	6.6-7.8	0-5	---	---	---
	9-33	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	33-41	---	---	---	---	---	---	---
	41-67	5-12	3.0-11.0	7.4-8.4	5-35	---	0-2	---

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CHEMICAL PROPERTIES OF THE SOILS--Continued
edit

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
189 (con.):								
Chijer----------	0-10	8-18	6.0-15.0	6.6-8.4	0-15	---	0-2	---
	10-51	8-18	5.0-15.0	7.4-9.0	6-40	---	2-8	0-5
	51-55	8-13	5.0-11.0	7.4-9.0	16-40	---	2-8	0-5
	55-61	---	---	---	---	---	---	---
186:								
Taunton----------	0-9	8-15	6.0-14.0	6.6-7.8	0-5	---	---	---
	9-38	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	38-49	---	---	---	---	---	---	---
	49-53	---	---	---	---	---	---	---
198:								
Ticeska----------	0-7	13-18	9.0-15.0	7.4-8.4	0-5	---	---	---
	7-25	13-18	8.0-15.0	7.4-9.0	6-30	---	0-2	---
	25-31	---	---	---	---	---	---	---
	31-35	---	---	---	---	---	---	---
Minveno----------	0-3	8-18	5.0-15.0	6.6-7.8	---	---	---	---
	3-17	10-18	6.0-15.0	7.4-8.4	10-30	---	2-4	0-5
	17-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
Taunton----------	0-9	8-15	6.0-14.0	6.6-7.8	0-5	---	---	---
	9-38	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	38-49	---	---	---	---	---	---	---
	49-53	---	---	---	---	---	---	---
199:								
Ticeska----------	0-7	13-18	9.0-15.0	7.4-8.4	0-5	---	---	---
	7-22	13-18	8.0-15.0	7.4-9.0	6-30	---	0-2	---
	22-31	12-18	7.0-15.0	7.9-9.0	15-40	---	0-2	---
	31-39	---	---	---	---	---	---	---
	39-43	---	---	---	---	---	---	---
Taunton----------	0-9	8-15	6.0-14.0	6.6-7.8	0-5	---	---	---
	9-33	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	33-41	---	---	---	---	---	---	---
	41-67	5-12	3.0-11.0	7.4-8.4	5-35	---	0-2	---

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CHEMICAL PROPERTIES OF THE SOILS--Continued
edit

Map symbol and soil name	Depth	Clay	Cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	Pct	meq/100g	pH	Pct	Pct	mmhos/cm	
199 (con.):								
Minveno---------	0-3	8-18	5.0-15.0	6.6-7.8	---	---	---	---
	3-17	10-18	6.0-15.0	7.4-8.4	10-30	---	2-4	0-5
	17-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
194:								
Taunton---------	0-9	8-15	6.0-14.0	6.6-7.8	0-5	---	---	---
	9-33	10-18	6.0-15.0	7.4-8.4	5-35	---	0-2	---
	33-41	---	---	---	---	---	---	---
	41-67	5-12	3.0-11.0	7.4-8.4	5-35	---	0-2	---
Ticeska---------	0-6	13-18	9.0-15.0	7.4-8.4	0-5	---	---	---
	6-21	13-18	8.0-15.0	7.4-9.0	6-30	---	0-2	---
	21-26	12-18	7.0-15.0	7.9-9.0	15-40	---	0-2	---
	26-39	---	---	---	---	---	---	---
	39-49	---	---	---	---	---	---	---

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CHEMICAL PROPERTIES OF THE SOILS

Endnote -- CHEMICAL PROPERTIES OF THE SOILS

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

CLAY as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this report, the estimated clay content of each major soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The amount and kind of clay greatly affect the fertility and physical condition of the soil. They determine the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, and 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.

CATION EXCHANGE CAPACITY (CEC) is the total amount of cations held in a soil in such a way that they can be removed only by exchanging with another cation in the natural soil solution. CEC is a measure of the ability of a soil to retain cations, some of which are plant nutrients. Soils with low CEC hold few cations and may require more frequent applications of fertilizers than soils with high CEC. Soils with high CEC have the potential to retain cations, thus reducing the possibility of pollution of ground water.

SOIL REACTION is a measure of acidity or alkalinity and is expressed as a range in pH values. The range in pH of each major horizon is based on many field tests. For many soils, values have been verified by laboratory analyses. Soil reaction is important in selecting crops and other plants, in evaluating soil amendments for fertility and stabilization, and in determining the risk of corrosion.

CALCIUM CARBONATE is the percentage by weight of calcium carbonate in the fine-earth material, less than 2 millimeters in size.

GYPSUM is the percentage by weight of hydrated calcium sulfates 20 millimeters or smaller in size, in the soil.

SALINITY is a measure of soluble salts in the soil at saturation. It is expressed as the electrical conductivity of the saturation extract, in millimhos per centimeter at 25 degrees C. Estimates are based on field and laboratory measurements at representative sites of nonirrigated soils.

The salinity of irrigated soils is affected by the quality of the irrigation water and by the frequency of water application. Hence, the salinity of soils in individual fields can differ greatly from the value given in the report. Salinity affects the suitability of a soil for crop production, the stability of soil if used as construction material, and the potential of the soil to corrode metal and concrete.

SODIUM ADSORPTION RATIO (SAR) expresses the relative activity of sodium ions in exchange reactions in the soil. SAR is a measure of the amount of sodium relative to calcium and magnesium in the water extract from saturated soil paste.

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PHYSICAL PROPERTIES OF SOILS
edit

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodability index" apply only to the surface layer)

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
92:												
Rock Outcrop.												
Jestrick--------	0-6	12-16	1.35-1.55	0.60-2.00	0.10-0.14	Low	0.7-1.0	0.20	0.24	2	3	86
	6-18	8-18	1.25-1.45	2.00-6.00	0.11-0.14	Low	0.0-0.5	0.24	0.24			
	18-26	8-17	1.25-1.45	2.00-6.00	0.09-0.12	Low	0.0-0.5	0.20	0.32			
	26-36	---	---	---	---		---	---	---			
	36-40	---	---	---	---		---	---	---			
Kecko-----------	0-9	10-18	1.35-1.55	2.00-6.00	0.12-0.14	Low	1.0-2.0	0.24	0.24	5	3	86
	9-52	10-18	1.25-1.50	2.00-6.00	0.13-0.15	Low	0.0-0.5	0.24	0.24			
	52-61	5-10	1.35-1.60	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.10	0.10			
188:												
Taunton----------	0-9	5-12	1.40-1.60	6.00-20.00	0.09-0.11	Low	0.5-1.0	0.10	0.10	2	2	134
	9-29	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.37	0.43			
	29-43	---	---	---	---		---	---	---			
	43-53	---	---	---	---		---	---	---			
Chij----------	0-8	5-8	1.40-1.60	>20.00	0.07-0.09	Low	0.6-1.0	0.17	0.17	3	2	134
	8-39	8-18	1.35-1.55	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.49	0.49			
	39-46	8-13	1.35-1.55	0.60-2.00	0.10-0.12	Low	0.0-0.5	0.24	0.28			
	46-60	---	---	---	---		---	---	---			
206:												
Rock Outcrop.												
Vining----------	0-6	6-15	1.35-1.55	2.00-6.00	0.10-0.14	Low	0.7-1.0	0.20	0.24	2	3	86
	6-24	7-18	1.40-1.60	2.00-6.00	0.09-0.12	Low	0.0-0.5	0.20	0.32			
	24-28	---	---	---	---		---	---	---			
Kecko-----------	0-5	3-8	1.40-1.60	6.00-20.00	0.08-0.10	Low	0.5-1.0	0.10	0.10	5	2	134
	5-40	10-18	1.25-1.50	2.00-6.00	0.13-0.15	Low	0.0-0.5	0.24	0.24			
	40-61	5-10	1.35-1.60	2.00-6.00	0.03-0.12	Low	0.0-0.5	0.10	0.10			

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.72
1.50
.84
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.2
6.02
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.64
4.34
.77
5.75

PHYSICAL PROPERTIES OF SOILS--Continued
edit

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
189:												
Taunton---------	0-9	8-15	1.30-1.55	2.00-6.00	0.13-0.17	Low	0.7-1.0	0.28	0.28	2	3	86
	9-33	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.32	0.32			
	33-41	---	---	---	---		---	---	---			
	41-67	5-12	1.30-1.60	2.00-6.00	0.09-0.13	Low	0.0-0.5	0.24	0.32			
Chijer----------	0-10	8-18	1.30-1.50	0.60-2.00	0.10-0.12	Low	0.6-1.0	0.24	0.24	3	3	86
	10-51	8-18	1.35-1.55	0.60-2.00	0.10-0.18	Low	0.0-0.5	0.49	0.49			
	51-55	8-13	1.35-1.55	0.60-2.00	0.10-0.12	Low	0.0-0.5	0.24	0.28			
	55-61	---	---	---	---		---	---	---			
186:												
Taunton---------	0-9	8-15	1.35-1.55	0.60-6.00	0.13-0.17	Low	0.7-1.0	0.24	0.24	2	3	86
	9-38	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.37	0.43			
	38-49	---	---	---	---		---	---	---			
	49-53	---	---	---	---		---	---	---			
198:												
Ticeska---------	0-7	13-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.7-1.0	0.37	0.37	2	3	86
	7-25	13-18	1.30-1.50	0.60-2.00	0.14-0.20	Low	0.0-0.5	0.37	0.37			
	25-31	---	---	---	---		---	---	---			
	31-35	---	---	---	---		---	---	---			
Minveno---------	0-3	8-18	1.35-1.50	2.00-6.00	0.13-0.16	Low	0.7-2.0	0.32	0.32	1	3	86
	3-17	10-18	1.25-1.35	0.60-2.00	0.16-0.21	Low	0.0-0.5	0.43	0.49			
	17-22	---	---	---	---		---	---	---			
	22-26	---	---	---	---		---	---	---			
Taunton---------	0-9	8-15	1.35-1.55	0.60-6.00	0.13-0.17	Low	0.7-1.0	0.24	0.24	2	3	86
	9-38	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.37	0.43			
	38-49	---	---	---	---		---	---	---			
	49-53	---	---	---	---		---	---	---			
199:												
Ticeska---------	0-7	13-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.7-1.0	0.37	0.37	2	3	86
	7-22	13-18	1.30-1.50	0.60-2.00	0.14-0.20	Low	0.0-0.5	0.37	0.37			
	22-31	12-18	1.30-1.50	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.32	0.37			
	31-39	---	---	---	---		---	---	---			
	39-43	---	---	---	---		---	---	---			

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PHYSICAL PROPERTIES OF SOILS--Continued
edit

Map symbol and soil name	Depth	Clay	Moist bulk density	Permeability	Available water capacity	Shrink-swell potential	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
								K	Kf	T		
	In	Pct	g/cc	In/hr	In/in		Pct					
199 *(con.)*:												
Taunton	0-9	8-15	1.30-1.55	2.00-6.00	0.13-0.17	Low	0.7-1.0	0.28	0.28	2	3	86
	9-33	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.32	0.32			
	33-41	---	---	---	---		---	---	---			
	41-67	5-12	1.30-1.60	2.00-6.00	0.09-0.13	Low	0.0-0.5	0.24	0.32			
Minveno	0-3	8-18	1.35-1.50	2.00-6.00	0.13-0.16	Low	0.7-2.0	0.32	0.32	1	3	86
	3-17	10-18	1.25-1.35	0.60-2.00	0.16-0.21	Low	0.0-0.5	0.43	0.49			
	17-22	---	---	---	---		---	---	---			
	22-26	---	---	---	---		---	---	---			
194:												
Taunton	0-9	8-15	1.30-1.55	2.00-6.00	0.13-0.17	Low	0.7-1.0	0.28	0.28	2	3	86
	9-33	10-18	1.25-1.45	0.60-2.00	0.11-0.18	Low	0.0-0.5	0.32	0.32			
	33-41	---	---	---	---		---	---	---			
	41-67	5-12	1.30-1.60	2.00-6.00	0.09-0.13	Low	0.0-0.5	0.24	0.32			
Ticeska	0-6	13-18	1.35-1.55	0.60-2.00	0.16-0.18	Low	0.7-1.0	0.37	0.37	2	3	86
	6-21	13-18	1.30-1.50	0.60-2.00	0.14-0.20	Low	0.0-0.5	0.37	0.37			
	21-26	12-18	1.30-1.50	0.60-2.00	0.10-0.14	Low	0.0-0.5	0.32	0.37			
	26-39	---	---	---	---		---	---	---			
	39-49	---	---	---	---		---	---	---			

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PHYSICAL PROPERTIES OF SOILS

Endnote -- PHYSICAL PROPERTIES OF SOILS

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

CLAY as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this report, the estimated clay content of each major soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The amount and kind of clay greatly affect the fertility and physical condition of the soil. They determine the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, permeability, 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, the moisture content at 1/3 bar moisture tension. Weight is determined after drying the soil at 105 degrees C. In this report, the estimated moist bulk density of each major 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 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. A bulk density of more than 1.6 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

PERMEABILITY refers to the ability of a soil to transmit water or air. The estimates indicate the rate of downward movement of water when the soil is saturated. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Permeability is considered in the design of soil drainage systems, septic tank absorption fields, and construction where the rate of water movement under saturated conditions affects behavior.

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 major soil layer. The capacity varies, depending on soil properties that affect the retention of water and the depth of the root zone. 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.

SHRINK-SWELL POTENTIAL is the potential for volume change in a soil with a loss or gain of moisture. Volume change occurs mainly because of the interaction of clay minerals with water and varies with the amount and type of clay minerals in the soil. The size of the load on the soil and the magnitude of the change in soil moisture content influence the amount of swelling of soils in place. Laboratory measurements of swelling of undisturbed clods were made for many soils. For others, swelling was estimated on the basis of the kind and amount of clay minerals in the soil and on measurements of similar soils. If the shrink-swell potential is rated moderate to very high, shrinking and swelling can cause damage to buildings, roads, and other structures. Special design is often needed. Shrink-swell potential classes are based on the change in length of an unconfined clod as moisture content is increased from air-dry to field capacity. The change is based on the soil fraction less than 2 millimeters in diameter. The classes are "Low," a change of less than 3 percent; "Moderate," 3 to 6 percent; and "High," more than 6 percent. "Very high," greater than 9 percent, is sometimes used.

PHYSICAL PROPERTIES OF SOILS

Endnote -- PHYSICAL PROPERTIES OF SOILS--Continued

ORGANIC MATTER is the plant and animal residue in the soil at various stages of decomposition. In report J, 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 or increased by returning crop residue to the soil. Organic matter affects the available water capacity, infiltration rate, and tilth. It is a source of nitrogen and other nutrients for crops.

EROSION FACTOR K indicates the susceptibility of the whole soil (including rocks and rock fragments) to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) 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 (up to 4 percent) and on soil structure and permeability. Values of K range from 0.05 to 0.69. The higher the value, the more susceptible the soil is to sheet and rill erosion by water.

EROSION FACTOR Kf is like EROSION FACTOR K but it is for the fine-earth fraction of the soil. Rocks and rock fragments are not considered.

EROSION FACTOR T is an estimate of the maximum average annual rate of soil erosion by wind 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 resistance to wind erosion in cultivated areas. The groups indicate the susceptibility of soil to wind erosion. Soils are grouped according to the following distinctions:

1. Coarse sands, sands, fine sands, and very fine sands. These soils are generally not suitable for crops. They are extremely erodible, and vegetation is difficult to establish.

2. Loamy coarse sands, loamy sands, loamy fine sands, loamy very fine sands, and sapric soil material. These soils are very highly erodible. Crops can be grown if intensive measures to control wind erosion are used.

3. Coarse sandy loams, sandy loams, fine sandy loams, and very fine sandy loams. These soils are highly erodible. Crops can be grown if intensive measures to control wind erosion are used.

4L. Calcareous loams, silt loams, clay loams, and silty clay loams. These soils are erodible. Crops can be grown if intensive measures to control wind erosion are used.

4. Clays, silty clays, noncalcareous clay loams, and silty clay loams that are more than 35 percent clay. These soils are moderately erodible. Crops can be grown if measures to control wind erosion are used.

PHYSICAL PROPERTIES OF SOILS

Endnote -- PHYSICAL PROPERTIES OF SOILS--Continued

5. Noncalcareous loams and silt loams that are less than 20 percent clay and sandy clay loams, sandy clays, and hemic soil material. These soils are slightly erodible. Crops can be grown if measures to control wind erosion are used.

6. Noncalcareous loams and silt loams that are more than 20 percent clay and noncalcareous clay loams that are less than 35 percent clay. These soils are very slightly erodible. Crops can be grown if ordinary measures to control wind erosion are used.

7. Silts, noncalcareous silty clay loams that are less than 35 percent clay, and fibric soil material. These soils are very slightly erodible. Crops can be grown if ordinary measures to control wind erosion are used.

8. Soils that are not subject to wind erosion because of coarse fragments on the surface or because of surface wetness.

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The WIND ERODIBILITY INDEX is used in the wind erosion equation (WEQ). The index number indicates the amount of soil lost in tons per acre per year. The range of wind erodibility index numbers is 0 to 300.

ENGINEERING INDEX PROPERTIES
edit

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
92:												
Rock Outcrop.												
Jestrick--------	0-6	Very fine sandy loam	SM	A-4	0	0	90-100	85-95	70-80	40-50	15-25	NP-5
	6-18	Fine sandy loam, loam, sandy loam	ML	A-4	0	0	90-100	85-100	75-85	50-60	15-25	NP-5
	18-26	Cobbly very fine sandy loam, cobbly fine sandy loam, cobbly loam	SM, ML	A-4	0	15-30	85-100	80-95	70-80	40-60	15-25	NP-5
	26-36	Indurated			0	0	0	0	0	0	---	NP
	36-40	Unweathered bedrock			0	0	0	0	0	0	---	NP
Kecko----------	0-9	Very fine sandy loam	SM	A-4	0	0	100	90-100	80-85	40-50	15-25	NP-5
	9-52	Fine sandy loam, loam	SM, ML	A-4	0	0	100	90-100	65-85	35-70	15-25	NP-5
	52-61	Stratified sand to silt loam	SM, ML	A-4	0	0	100	90-100	65-85	35-70	---	NP
188:												
Taunton--------	0-9	Loamy fine sand	SM	A-2, A-4	0	0	100	95-100	85-95	30-50	0-14	NP
	9-29	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0-10	90-100	85-95	60-85	40-75	20-25	5-10
	29-43	Indurated			0	0	0	0	0	0	---	NP
	43-53	Unweathered bedrock			0	0	0	0	0	0	---	NP
Chijer----------	0-8	Loamy fine sand	SM	A-4	0	0	95-100	90-100	80-95	35-50	---	NP
	8-39	Silt loam, very fine sandy loam, loam	ML	A-4	0	0	100	100	85-95	50-75	20-25	NP-5
	39-46	Fine sandy loam, sandy loam, loam	ML	A-4	0	0-10	95-100	85-95	60-80	50-65	20-25	NP-5
	46-60	Indurated			0	0	0	0	0	0	---	NP

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ENGINEERING INDEX PROPERTIES--Continued
edit

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
206: Rock Outcrop.												
Vining	0-6	Fine sandy loam	SM	A-4	0-5	0-10	90-100	85-95	60-75	35-50	15-25	NP-5
	6-24	Fine sandy loam, sandy loam, cobbly fine sandy loam	SM	A-2, A-4	0-10	5-30	90-100	80-95	55-75	30-50	15-25	NP-5
	24-28	Unweathered bedrock			0	0	0	0	0	0	---	NP
Kedron	0-5	Loamy fine sand	SM	A-2, A-4	0	0	100	90-100	50-70	30-45	---	NP
	5-40	Fine sandy loam, loam	SM, ML	A-4	0	0	100	90-100	65-85	35-70	15-25	NP-5
	40-61	Stratified sand to silt loam	SM, ML	A-4	0	0	100	90-100	65-85	35-70	---	NP
189: Taunton	0-9	Very fine sandy loam	SM, ML	A-4	0	0	100	95-100	80-90	40-70	15-25	NP-5
	9-33	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0	100	90-100	70-85	40-65	20-25	5-10
	33-41	Indurated			0	0	0	0	0	0	---	NP
	41-67	Fine sandy loam, sandy loam, loamy fine sand	SM	A-4	0	0-10	95-100	85-90	60-80	40-50	0-14	NP-5
Chijer	0-10	Very fine sandy loam	ML	A-4	0	0	95-100	90-100	70-90	50-70	20-25	NP-5
	10-51	Silt loam, very fine sandy loam, loam	ML	A-4	0	0	100	100	85-95	50-75	20-25	NP-5
	51-55	Fine sandy loam, sandy loam, loam	ML	A-4	0	0-10	95-100	85-95	60-80	50-65	20-25	NP-5
	55-61	Indurated			0	0	0	0	0	0	---	NP

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ENGINEERING INDEX PROPERTIES--Continued
edit

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
186:												
Taunton---------	0-9	Very fine sandy loam	SM, ML	A-4	0	0	100	95-100	80-100	40-70	15-25	NP-5
	9-38	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0-10	90-100	85-95	60-85	40-75	20-25	5-10
	38-49	Indurated			0	0	0	0	0	0	---	NP
	49-53	Unweathered bedrock			0	0	0	0	0	0	---	NP
198 Ticeska--------	0-7	Very fine sandy loam	CL-ML	A-4	0	0	95-100	90-100	80-90	60-70	20-25	5-10
	7-25	Silt loam, very fine sandy loam, fine sandy loam	CL-ML	A-4	0	0	95-100	85-100	70-85	55-65	20-25	5-10
	25-31	Indurated			0	0	0	0	0	0	---	NP
	31-35	Unweathered bedrock			0	0	0	0	0	0	---	NP
Minveno---------	0-3	Very fine sandy loam	ML	A-4	0	0	90-100	85-100	75-95	50-70	15-25	NP-5
	3-17	Loam, silt loam, very fine sandy loam	ML	A-4	0	0	90-100	85-100	80-100	80-90	15-25	NP-5
	17-22	Indurated			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP
Taunton---------	0-9	Very fine sandy loam	SM, ML	A-4	0	0	100	95-100	80-100	40-70	15-25	NP-5
	9-38	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0-10	90-100	85-95	60-85	40-75	20-25	5-10
	38-49	Indurated			0	0	0	0	0	0	---	NP
	49-53	Unweathered bedrock			0	0	0	0	0	0	---	NP

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ENGINEERING INDEX PROPERTIES--Continued
edit

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
199												
Tioga-------	0-7	Very fine sandy loam	CL-ML	A-4	0	0	95-100	90-100	80-90	60-70	20-25	5-10
	7-22	Silt loam, very fine sandy loam, fine sandy loam	CL-ML	A-4	0	0	95-100	85-100	70-85	55-65	20-25	5-10
	22-31	Cobbly loam, cobbly fine sandy loam, cobbly silt loam	CL-ML, SC-SM	A-4	0	20-30	80-90	70-80	60-70	45-60	20-25	5-10
	31-39	Indurated			0	0	0	0	0	0	---	NP
	39-43	Unweathered bedrock			0	0	0	0	0	0	---	NP
Taunton---------	0-9	Very fine sandy loam	SM, ML	A-4	0	0	100	95-100	80-90	40-70	15-25	NP-5
	9-33	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0	100	90-100	70-85	40-65	20-25	5-10
	33-41	Indurated			0	0	0	0	0	0	---	NP
	41-67	Fine sandy loam, sandy loam, loamy fine sand	SM	A-4	0	0-10	95-100	85-90	60-80	40-50	0-14	NP-5
Minveno---------	0-3	Very fine sandy loam	ML	A-4	0	0	90-100	85-100	75-95	50-70	15-25	NP-5
	3-17	Loam, silt loam, very fine sandy loam	ML	A-4	0	0	90-100	85-100	80-100	80-90	15-25	NP-5
	17-22	Indurated			0	0	0	0	0	0	---	NP
	22-26	Unweathered bedrock			0	0	0	0	0	0	---	NP

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ENGINEERING INDEX PROPERTIES--Continued
edit

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plasticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
194:												
Taunton	0-9	Very fine sandy loam	SM, ML	A-4	0	0	100	95-100	80-90	40-70	15-25	NP-5
	9-33	Fine sandy loam, sandy loam, loam	SC-SM, CL-ML	A-4	0	0	100	90-100	70-85	40-65	20-25	5-10
	33-41	Indurated			0	0	0	0	0	0	---	NP
	41-67	Fine sandy loam, sandy loam, loamy fine sand	SM	A-4	0	0-10	95-100	85-90	60-80	40-50	0-14	NP-5
Ticeska	0-6	Very fine sandy loam	CL-ML	A-4	0	0	95-100	90-100	80-90	60-70	20-25	5-10
	6-21	Silt loam, very fine sandy loam, fine sandy loam	CL-ML	A-4	0	0	95-100	85-100	70-85	55-65	20-25	5-10
	21-26	Cobbly loam, cobbly fine sandy loam, cobbly silt loam	CL-ML, SC-SM	A-4	0	20-30	80-90	70-80	60-70	45-60	20-25	5-10
	26-39	Indurated			0	0	0	0	0	0	---	NP
	39-49	Unweathered bedrock			0	0	0	0	0	0	---	NP

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ENGINEERING INDEX PROPERTIES

Endnote -- ENGINEERING INDEX PROPERTIES

This report gives estimates of the engineering classification and of the range of index properties for the major layers of each soil in the survey area. Most soils have layers of contrasting properties within the upper 5 or 6 feet.

DEPTH to the upper and lower boundaries of each layer is indicated. The range in depth and information on other properties of each layer are given in the published Soil Survey for each soil series under "Soil Series and Their Morphology."

TEXTURE is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is as much as about 15 percent, an appropriate modifier is added, for example, "gravelly." Textural terms are defined in the Soil Survey Glossary.

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Classification of the soils is determined according to the Unified soil classification system and the system adopted by the American Association of State Highway and Transportation Officials.

The UNIFIED system classifies soils according to properties that affect their use as construction material. Soils are classified according to grain-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of grain-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection. If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock FRAGMENTS larger than 3 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage of soil particles passing designated sieves (PERCENTAGE PASSING SIEVE NUMBER--)is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

LIQUID LIMIT and PLASTICITY INDEX (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. The estimates of grain-size distribution, liquid limit, and plasticity index are generally rounded to the nearest 5 percent. Thus, if the ranges of gradation and Atterberg limits extend a marginal amount (1 or 2 percentage points) across classification boundaries, the classification in the marginal zone is omitted in this report.

SOIL FEATURES
edit

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
92:									
Jestrick	25-40	Hard	21-38	Thick	---	---	Low	High	Low
Kecko	>60	---	---	---	---	---	Low	High	Low
Rock Outcrop									
188:									
Taunton	42-60	Hard	22-38	Thick	---	---	Low	High	Low
Chijer	>60	---	40-60	Thick	---	---	Low	High	Low
206:									
Vining	20-40	Hard	---	---	---	---	Moderate	High	Low
Kecko	>60	---	---	---	---	---	Low	High	Low
Rock Outcrop.									
189:									
Taunton	>60	---	22-38	Thick	---	---	Low	High	Low
Chijer	>60	---	40-60	Thick	---	---	Low	High	Low
186:									
Taunton	42-60	Hard	22-38	Thick	---	---	Low	High	Low
198:									
Ticeska	23-40	Hard	22-31	Thick	---	---	Low	High	Low
Minveno	20-40	Hard	10-20	Thick	---	---	Low	High	Low
Taunton	42-60	Hard	22-38	Thick	---	---	Low	High	Low
199:									
Ticeska	23-40	Hard	22-31	Thick	---	---	Low	High	Low
Taunton	>60	---	22-38	Thick	---	---	Low	High	Low
Minveno	20-40	Hard	10-20	Thick	---	---	Low	High	Low
194:									
Taunton	>60	---	22-38	Thick	---	---	Low	High	Low

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SOIL FEATURES --Continued
edit

Map symbol and soil name	Bedrock		Cemented pan		Subsidence		Potential frost action	Risk of corrosion	
	Depth	Hardness	Depth	Kind	Initial	Total		Uncoated steel	Concrete
	In		In		In	In			
194 (con.): Ticeska---------	23-40	Hard	22-31	Thick	---	---	Low	High	Low

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SOIL FEATURES

Endnote -- SOIL FEATURES

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

Depth to bedrock is given if bedrock is within a depth of 5 feet. The depth is based on many soil borings and on observations during soil mapping. The rock is either "Soft" or "Hard". If the rock is "Soft" or fractured, excavations can be made with trenching machines, backhoes, or small rippers. If the rock is "Hard" or massive, blasting or special equipment generally is needed for excavation.

Cemented pans are cemented or indurated subsurface layers within a depth of 5 feet. Such pans cause difficulty in excavation. Pans are classified as "Thin" or "Thick". A "Thin" pan is less than 3 inches thick if continuously indurated or less than 18 inches thick if discontinuous or fractured. Excavations can be made by trenching machines, backhoes, or small rippers. A "Thick" pan is more than 3 inches thick if continuously indurated or more than 18 inches thick if discontinuous or fractured. Such a pan is so thick or massive that blasting or special equipment is needed in excavation.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence 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. This report shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which usually is a result of oxidation. Not shown in the report is subsidence caused by an imposed surface load or by the withdrawal of ground water throughout an extensive area as a result of lowering the water table.

Potential 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, permeability, 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 mainly to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that dissolves 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 creates a severe corrosion environment. The steel installations that intersect soil boundaries or soil layers is more susceptible to corrosion than steel 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 is also expressed as "Low", "Moderate", or "High". It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

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WATER FEATURES
edit

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
92:									
Jestrick	B	None	---	---	>6.0	---	---	---	---
Kecko	B	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
188:									
Taunton	C	None	---	---	>6.0	---	---	---	---
Chijer	B	None	---	---	>6.0	---	---	---	---
206:									
Vining	C	None	---	---	>6.0	---	---	---	---
Kecko	B	None	---	---	>6.0	---	---	---	---
Rock Outcrop.									
189:									
Taunton	C	None	---	---	>6.0	---	---	---	---
Chijer	B	None	---	---	>6.0	---	---	---	---
186:									
Taunton	C	None	---	---	>6.0	---	---	---	---
198:									
Ticeska	C	None	---	---	>6.0	---	---	---	---
Minveno	D	None	---	---	>6.0	---	---	---	---
Taunton	C	None	---	---	>6.0	---	---	---	---
199:									
Ticeska	C	None	---	---	>6.0	---	---	---	---
Taunton	C	None	---	---	>6.0	---	---	---	---
Minveno	D	None	---	---	>6.0	---	---	---	---

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WATER FEATURES--Continued
edit

Map symbol and soil name	Hydrologic group	Flooding			High water table and ponding				
		Frequency	Duration	Months	Water table depth	Kind of water table	Months	Ponding duration	Maximum ponding depth
					Ft				Ft
194:									
Taunton---------	C	None	---	---	>6.0	---	---	---	---
Ticeska---------	C	None	---	---	>6.0	---	---	---	---

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WATER FEATURES

Endnote -- WATER FEATURES

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

Hydrologic soil groups are used to estimate runoff from precipitation. Soils not protected by vegetation are assigned to one of four groups. They are grouped according to the infiltration of water when the soils 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 permanent 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.

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If a soil is assigned to two hydrologic groups in this report, the first letter is for drained areas and the second is for undrained areas. Flooding, the temporary inundation of an area, is 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, nor is water in swamps and marshes. This report gives the frequency and duration of flooding and the time of year when flooding is most likely. Frequency, duration, and probable dates of occurrence are estimated.

Frequency is expressed as "None", "Rare", "Occasional", and "Frequent". "None" means that flooding is not probable; "Rare" that it is unlikely but possible under unusual weather conditions; "Occasional" that it occurs, on the average, once or less in 2 years; and "Frequent" that it occurs, on the average, more than once in 2 years.

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. 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 absence of distinctive horizons that form in soils that are not subject to flooding. Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods.

WATER FEATURES

Endnote -- WATER FEATURES--Continued

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.

High water table (seasonal) is the highest level of a saturated zone in the soil in most years. The depth to a seasonal high water table applies to undrained soils. The estimates are based mainly on the evidence of a saturated zone, namely grayish colors or mottles in the soil. Indicated in this report are the depth to the seasonal high water table; the kind of water table, that is, "Apparent", "Artesian", or "Perched"; and the months of the year that the water table commonly is high. A water table that is seasonally high for less than 1 month is not indicated in this report.

An "Apparent" water table is a thick zone of free water in the soil. It is indicated by the level at which water stands in an uncased borehole after adequate time is allowed for adjustment in the surrounding soil.

An "Artesian" water table exists under a hydrostatic beneath an impermeable layer. When the impermeable layer has been penetrated by a cased borehole, the water rises. The final level of the water in the cased borehole is characterized as an artesian water table.

A "Perched" water table is water standing above an unsaturated zone. In places an upper, or "Perched", water table is separated from a lower one by a dry zone. Only saturated zones within a depth of about 6 feet are indicated.

Ponding is standing water in a closed depression. The water is removed only by deep percolation, transpiration, evaporation, or a combination of these processes.

This report gives the depth and duration of ponding and the time of year when ponding is most likely. Depth, duration, and probable dates of occurrence are estimated.

Depth is expressed as the depth of ponded water in feet above the soil surface. 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. The information is based on the relation of each soil on the landscape to historic ponding and on local information about the extent and levels of ponding.

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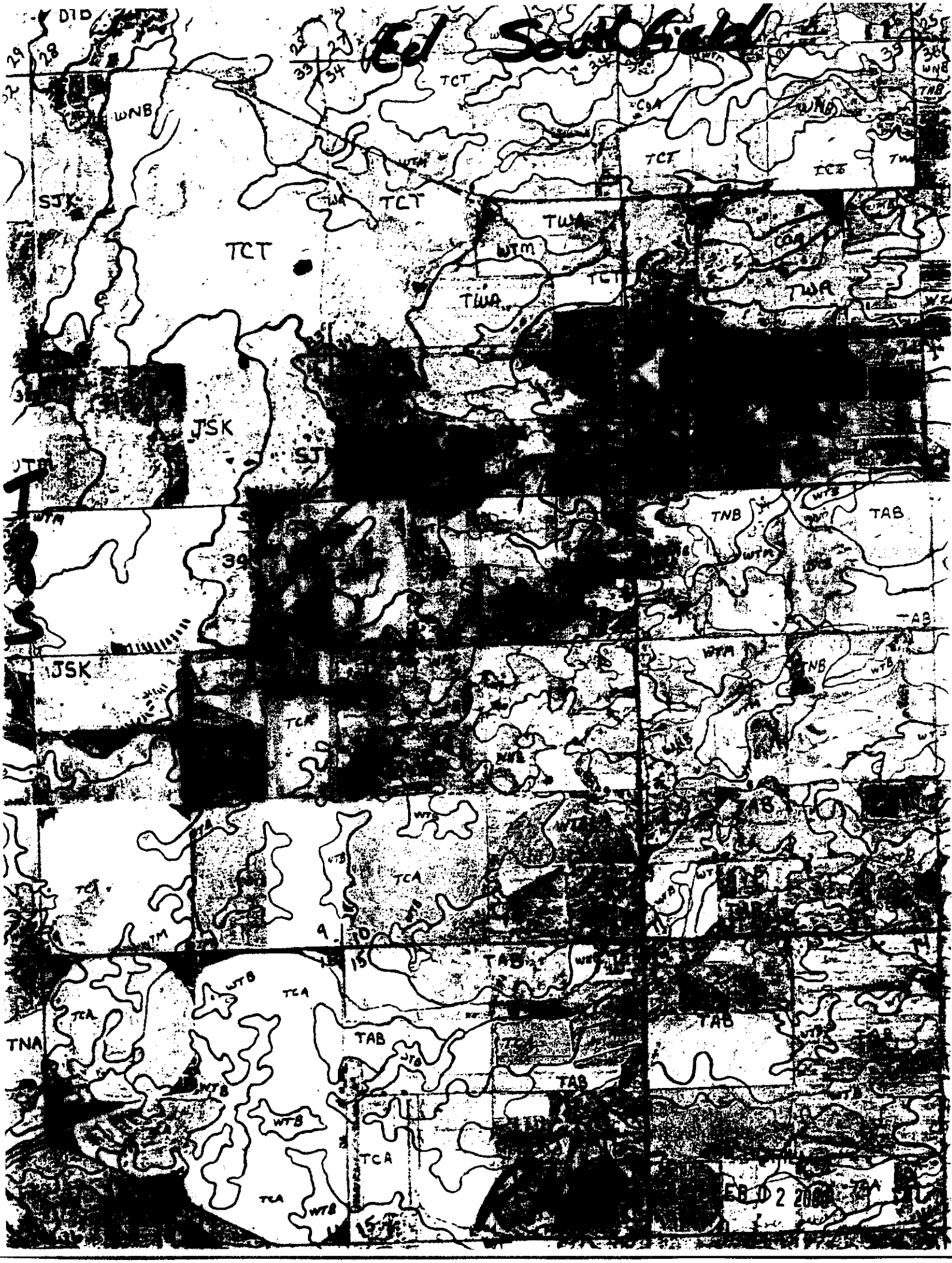

El South Field
DTD
WNB
SJK
TCT
TWA
WTM
JSK
TNB
TAB
TCA
WTB
TNA
FEB 02 2006

EXHIBIT
6

MICROFILMED

FEB 0 2 2000

orm 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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
APPLICANT'S
Exhibit 6
Date Received 12/3/79

1. WELL OWNER

Name DENNIS lehman

Address Wendell

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

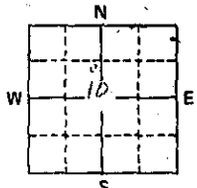
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Gooding

E ¼ NW ¼ Sec. 10, T. 9 N/S, R. 14 E/W.

7. WATER LEVEL

Static water level 35 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	6	topSoil		✓
	6	19	Gray lava		✓
6	19	70	Gray lava	✓	

10.

Work started Oct 5-79 finished Oct 5, 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 C.B. Eaton + Sons Firm No. 226
Address Wendell Ida Date Dec 6-79
Signed by (Firm Official) James Eaton
and
(Operator) Elden Clough

MICROFILMED FEB 02 2000

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 Terry Crumrine

Address 1400 E 3100 S Wendell Id 83355

Owner's Permit No. 36-90-S-042

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
.025 inches	12 3/8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

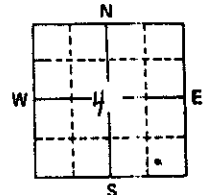
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 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 2" X 14" long less than 30°

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____

County Gooding

SW ¼ SE ¼ Sec. 4, T. 8 N ☐ S ☒ R. 14 E ☐ W ☒

7. WATER LEVEL

Static water level 42 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 55 °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
15	0	4	Top Soil		X
15	4	6	Gritty clay		X
15	6	8	Whitish tan clay		X
15	8	12	White clay		X
15	12	19	Black lava Rock		X
12	19	49	Red Hard Pack Lava		X
12	49	51	Reddish Brown ava mixed w Black		X
12	51	54	Lava Black ava		X
12	54	58	Circuns Lo Cuttings		X
12	58	81	Hard		X

10.

Work started 9 May 90 finished 11 May 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 Eaton Drilling Firm No. 26
Address Wendell Date 11 May 1990
Signed by (Firm Official) _____
and
(Operator) R. Peterson

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FEB 02 2000

1/78 DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resou... within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Claude Strickland

Address Wendell 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
_____ 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 ☐ 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

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Gooding

¼ ¼ ¼ Sec. ___, T. ___ N/S, R. ___ E/W

7. WATER LEVEL

Static water level 90 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	80	125	No Returns	✓	

10.

Work started APRIL 8 finished APRIL - 18

11. DRILLERS CERTIFICATION

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

Firm Name CB Eaton Firm No. 24

Address Wendell Date 4-20-79

Signed by (Firm Official) James E. Eaton

and

(Operator) Clive L. Daughe

MICROFILMED

FEB 02 2000

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

Rec: 9-3-74

..ELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days afte: the completion or abandonment of the well.

1. WELL OWNER

Name Paul W. REED

Address Rural Route, Wendell, 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 138 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/80inches	+ 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 _____

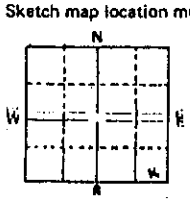
Placed from _____ feet to _____ feet

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 GOODING

SE ¼ SE ¼ Sec. 1 T. 8S N/S, R. 14EBM E/W

USE ADDITIONAL SHEETS IF NECESSARY FURNISH THE WHITE COPY TO THE PERSON(S)

7. WATER LEVEL

Static water level 68½ 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.	Drew Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	3	Top Soil		X
6/8	3	25	Hard Gray Lava		
6	25	30	Broken Pink Lava		
	30	31½	Broken Gray Lava		
	31½	38	Hard Gray Lava		
	38	42	Broken Pinkish Gray Lava		
	42	50	Brown Clay		
	50	54	Broken Gray Lava		
	54	59	Hard Gray Lava		
	59	64	Broken Gray Lava		
	64	69	Gray Lava Hard		X
	69	91	Broken Gray Lava	X	
	91	96	Hard Gray Lava		X
	96	117½	Broken Gray Lava	X	
	117½	128	Hard Gray Lava		X
	128	138	Broken Gray Lava	X	

10.

Work started XXXX 8/19/74 finished 8/20/74

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Ave A, Jerome Date 8/22/74

Signed by (Firm Official) R. Wayne Smith

and

(Operator) William R. Wilson

MICROFILMED

FEB 02 2000

n 238-7

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALL POINT 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.

WELL OWNER OK

Name James & Vera Brown

Address 1510 East 3100 South Wendell, ID 83355

Drilling Permit No. 36-92-S-0262

Water Right Permit No. _____

NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

PROPOSED USE

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

METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

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

7. WATER LEVEL

Static water level 60 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	5	Topsoil		x
	5	19	Lava		x
6"	19	125	Broken gray lava	x	

10.

Work started 9-14-92 finished 9-14-92

LOCATION OF WELL

Sketch map location must agree with written location.

N
W — 2 — E
X
S

Subdivision Name _____
Parcel 3
Lot No. _____ Block No. _____

County Gooding

W ¼ SW ¼ Sec. 2, T. 8 N ☐ S ☒, R. 14 E ☒ W ☐

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
P.O. Box 919
Address Twin Falls, ID 83301 Date 9-15-92
Signed by (Firm Official) Edward Elsing
and
(Operator) Edward Egan

MICROFILMED
FEB 02 2000

SW/SW T 8S R14E S2

238-7

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.

WELL OWNER

Name James & Vera Brown

Address 1510 E 3100 S Wendell, ID 83355

Drilling Permit No. 36-92-S-0261

Water Right Permit No. _____

NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

PROPOSED USE

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

METHOD DRILLED

☐ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

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

7. WATER LEVEL

Static water level 57 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	5	Topsoil		x
	5	19	Lava		x
6"	19	53	Lava		x
	53	57	Cinders	x	
	57	125	Broken gray lava	x	

10.

Work started 9-14-92 finished 9-14-92

LOCATION OF WELL

Sketch map location must agree with written location.

N / W / 2 / E / X / S

Subdivision Name _____

Parcel 2

Lot No. _____ Block No. _____

County Gooding

SW ¼ SW ¼ Sec. 2, T. 8 ☐ N ☒ S R. 14 ☒ E ☐ W

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
P.O. Box 919
Address Twin Falls, ID 83301 Date 9-15-92

Signed by (Firm Official) Arnold Elsing
and
(Driller) Craig Egan

FEB 0 2 2000

MICROFILMED

SW/SW T8S R14E S2

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 Mike Branch / lower
Address P.O. Box 392, Wendell, ID 83355
Drilling Permit No. 36-92-S-0298-000
Water Right Permit No. 36-08582

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	12 inches +	1 feet	6 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 _____

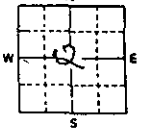
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 6 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~~ with 1" Plug well seal

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
Address of Well Site 3050 S. Rd & Wendell
(give at least name of road)
SE¼ NE¼ Sec. 2, T. 8 N or S ☒, R. 14 E ☒ or W ☐

MICROFILMED
FEB 02 2000

7. WATER LEVEL

Static water level 65 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
15	0	2	Top Soil		
15	2	6	Gray Loam		
10	6	58	"		
	58	64	BL Lava		
	64	66	Red Lava		
	66	77	Red broken Lava	X	
	77	84	Gray Lava		
	84	86	Crevasse	X	
	86	90	BL Lava		
↓	90	93	Broken bl Lava	X	
	93	106	BL Lava		

RECEIVED
FEB 10 1993
Department of Water Resources
Southern Region Office

10.

Work started 1-19-93 finished 1-20-93

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 dr. llng Firm No. 26
Address Wendell Date 1-25-92
Signed by Drilling Supervisor _____
and
(Operator) Dave Corby
(If different than the Drilling Supervisor)

T 8S - R 14E - 502

36-92-S-0297-000

MIRO BRANCH flower

USE TYPEWRITER OR BALLPOINT PEN

...RCES
...ORT
...epartment of Water Resources
...ofiment of the well.

...Id
...a-S-0297-000
...ermit No. 36 09581

WATER LEVEL
Static water level 68 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.

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	12 inches +	1 feet	7 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 7' 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 well seal with 1" Plug.

8. WELL TEST DATA
☐ Pump ☐ Bailer ☐ Air ☐ Other ____

Discharge G.P.M.	Pumping Level	Hours Pumped

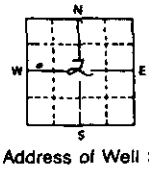
9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
15	0	2	Top Soil		
15	2	7	Gray Lava		
10	7	15	"		
↑	15	20	Broken Bl Lava + Br Clay		
	20	40	Gray Lava		
	40	46	Broken Bl Lava No Returns		
	46	86	Hard Lava		
	86	88	Soft broken Lava	X	
	88	100	Hard		
	100	110	Soft broken	X	
↓	110	115	Soft broken	X	
	115	118	Cinders	X	

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FEB 19 1993
Department of Water Resources
Southern Region Office

10.
Work started 1-22-93 finished 1-26-93

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name ____
Lot No. ____ Block No. ____
County Gooding
Address of Well Site 3050 S Rd of Wendell
(give at least name of road)
SW¼ NW¼ Sec. 2, T. 8 N ☐ or S ☒, R. 14 E ☒ or W ☐

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 1-27-93
Signed by Drilling Supervisor Doy Eaton
and (Operator) Dave Crosby
(If different than the Drilling Supervisor)

MICROFILMED
FEB 02 2000

Form 238-1
6/89

DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

State law requires 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 Branch Flower

Address P.O. Box 392, Wendell, Id. 83355

Owner's Permit No. 36-90-S-089 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
0.25 inches	12¾ inches +	1 feet	9 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

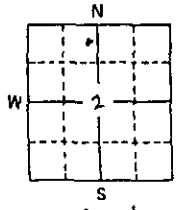
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 0 to 10 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 16" x 2" 30°

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
NE¼ NW¼ Sec. 2 T. 8 N S R. 14 E W

7. WATER LEVEL

Static water level 7.5 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
15	0	7	Top Soil		X
15	7	9	Gray Lava		X
12	9	19	Gray Lava		X
12	19	24	Redish Brown		X
12	24	45	Gray Lava		X
12	45	49	Redish Brown Clay		X
12	49	65	Gray Lava		X
12	65	67	Crevis Lost cuttings		X
12	67	85	med Hard		X
12	85	95	soft		X
12	95	105	cynders	X	
8¾	105	120	Hard Rock	X	

RECEIVED
APR 01 1991
Department of Water Resources
Southern Region Office

10. Work started 15 March 91 finished 18 March 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 Eaton Firm No. 26
Address Wendell Date 19 March 91
Signed by (Name & Official) _____
and
_____ (Driller)

MICROFILMED
FEB 02 2000

S2-T8S-R14E

Form 2
8/90

DEPARTMENT OF WATER RESOURCES

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
MAY 1 1991
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Maria S Noriaga

Address 1639 E 2900 S Wendell Id. 83355

Drilling Permit No. 36-11-S-045

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
.025 inches	6¾ 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 ☐ 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.

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Gooding

NW¼ SW¼ Sec. 2, T. 8 N ☐ S ☒, R. 14 E ☐ W ☐

7. WATER LEVEL

Static water level 64 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ P.S.I.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature ~75 °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
	0	2	Top Soil		
	2	21	Bl Lava		
	21	25	Soft Bl Lava		
	25	40	Bl Lava		
	40	43	Red Lava		
	43	49	Crcuasse		
	49	53	Bl Lava		
	53	54	Red Lava		
	54	55	Crcuasse Lost Cutting		
	55	83	Hard		
	83	84	Soft	X	
	84	88	Hard		
	88	89	Soft		
	89	95	Hard		
	95	96	Soft		
	96	105	Hard		

10.

Work started 4-15-91 finished 4-15-91

11. DRILLERS CERTIFICATION

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

Firm Name Eston Drilling Firm No. 26

Address Wendell Date 4-16-91

Signed by (Firm Official) _____

and (Operator) _____

MICROFILMED
FEB 02 2000

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

S2-T8S-R14E

Form 238-7
6/93

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

1. DRILLING PERMIT NO. 36-94-S-0078-000
Other IDWR No. _____

2. OWNER:
Name Gary Kelly
Address 3050 E 1500 N
City Wendell State Id Zip 83355

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

N / S / E

T. 8 North ☐ or South ☒
R. 14 East ☒ or West ☐
Sec. 2, _____ 10 acres 1/4 SW 40 acres 1/4 NW 160 acres 1/4
Gov't Lot ____ County Gooding

Address of Well Site Same

(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
☒ 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	20	40	600	Poured Dry Into
Drill Cuttings	20	20		Annular

Was drive shoe seal tested? YES NO How? _____

8. CASING/LINER:

Diameter	From	To	Guage	Casting	Liner	Steel	Plastic	Welded	Threaded
6	2	38	.250	X		☒	☐	☒	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes 38
Top Packer or Headpipe _____ Bottom Tailpipe _____

9. PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/Pipe Size	Casting	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal./min.	Drawdown	Pumping Depth	Time

Temperature of water 85 Was a water analysis done? Yes ☐ No ☐
By whom? _____
Water Quality (odor, etc.) _____
Bottom Hole Temperature _____

11. STATIC WATER LEVEL:
36 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
8	0	4	Top Soil		
	4	28	Black Lava		
	28	31	Loose Broken Black Lava		
6/6	31	63	Black Lava		X
↓	63	80	Black Cinders		
↓	80	89	Black Lava		
↓	89	105	Black Cinders		X

RECEIVED
MAY 13 1994
DEPT. OF WATER RESOURCES
SOUTHERN DISTRICT OFFICE

Date: Started May 2 /94 Completed May 3/94

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 Larry Watson Date 5-4-94
Supervisor or Operator Gail P Eaton Date May 4/94
(Sign once if Firm Official & Operator)

MICROFILMED
FEB 02 2000

FORM 238-7 WHITE COPY TO STATE PERS

238-7
det

IDAHO DEPARTMENT OF WATER RESOURCE
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

DRILLING PERMIT NO. 1-14-S-0049-000
IDWR No.

OWNER: [illegible]
ss 1297 E 2950 S
Hagerman State Id Zip 83332

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

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 2 1/4 NW 1/4 SW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Gooding

Address of Well Site
City
(Give at least name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name

PROPOSED USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

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

SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
[illegible]	1	19	1700 LB	

Drive shoe used? Y ☐ N ☒
Drive shoe seal tested? Y ☐ N ☒ How?

CASING/LINER:

	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
	1	19	.25	Steel	☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 1' Length of Tailpipe

PERFORATIONS/SCREENS
Perforations Method
Screens Screen Type

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

STATIC WATER LEVEL OR ARTESIAN PRESSURE
ft. below ground Artesian pressure lb.
flow encountered ft. Describe access 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	6	Top Soil		
	6	9	Gray Lava		
	9	12	Bl Cinders		
	12	14	Bl Lava		
	14	16	Cinders		
	16	17	Clinkers		
	17	18	Hard		
6	18	61	Gray Lava		
	61	64	Broken Lava		
	64	87	Hard "		
	87	94	Broken "	X	
	94	96	Hard "		
	96	99	Soft Broken Lava	X	
	99	100	Hard "		
	100	105	Broken "		

APR 0 0 1994

Completed Depth 105 (Measurable)
Date: Started 5-30-94 Completed 5-30-94

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 5-31-94
Supervisor or Operator Date 5-31-94
(Sign once if Firm Official & Operator)

MICROFILMED
FEB 02 2000

m 238-7
4

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

DRILLING PERMIT NO. 36-95-S-0126-000
her IDWR No.

OWNER:
ame Daniel Rodriguez
ddress 3245-B S 1500 E
ty Wendell State ID Zip 83355

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

N / E / S

Twp. 8 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 2 ____ 1/4 SW 1/4 SW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Gooding

Address of Well Site 1516 E 3100 S
City Wendell
(Give at least name of road + Distance to Road or Landmark)

t. ____ 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	150 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:
68 ft. below ground Artesian pressure ____
Depth flow encountered 76 ft. Describe access port or control devices: Well Cap

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FEB 02 2000

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	4	Top Soil		
6	4	34	Gray Lava		
6	34	37	Black Lava		
6	37	40	Red Lava		
	40	48	Black + Brown Lava		
	48	60	Gray Lava		
	60	64	Cinders "Red"		
	64	76	Gray Lava		
	76	77	Cinders "Red + Black"	X	
	77	82	Red + Black Lava		
	82	93	Gray Lava		
	93	95	Brown + Red Lava "Soft Broken"	X	
	95	97	Black Lava		
	97	102	Black & Broken	X	
	102	105	Gray Lava		

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JUL
Department of Water Resources
Southern Region

Completed Depth 105' (Measurable)
Date: Started 6-28-95 Completed 6-28-95

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 Wilson Date 6-29-95
and
Supervisor or Operator Michael Lockwood Date 6-28-95
(Sign once if Firm Official & Operator)

Form 238-7
9K82

4 W 9 S 21 ^ South Wendell
1/2 S

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
JAN 13 1984

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 AL VEENSTRA

Address WENDELL IDA 83355

Owner's Permit No. 36-83-C-0004-000

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 inches	+ 1 feet	26 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

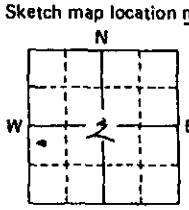
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 26 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. _____

MICROFILMED
FEB 02 2000

County GOODING
NW ¼ SW ¼ Sec. 20 8 N/S. R. 14 E/W.

7. WATER LEVEL

Department of Water Resources

Static water level 65 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	4	TOP SOIL		✓
6"	4	12	GREY LAVA		✓
6"	12	25	RED SAND & HARDPAN		✓
6"	25	36	GREY LAVA		✓
6"	36	105	NO RETURNS	✓	

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JAN 6 1984
Department of Water Resources
Southern Region Office

10.

Work started 12/8/83 finished 12/10/83

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'S Firm No. 26
Address RT 1 WENDELL Date 12/29/83
Signed by (Firm Official) James Eaton
and
(Operator) Gary Sias

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: Dale DePew
Address: Route 2, Wendell, Idaho 83355
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 178 feet.
Casing schedule: ☒ Steel ☐ Concrete

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
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: Model No.
Type: 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.
N
W E
S
County Gooding
¼ ¼ Sec. T N/S R E/W

7. WATER LEVEL
Static water level 138 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	15	Top Soil & Clay		
	15	23	Gray Lava		
6"	23	24	Broken seams gray lava		
	24	32	Hard Gray		
	32	33	Pink porous		
	33	34	Hard Gray		
	34	37½	Brown Clay sand		
	37½	45½	Gray lava w/seams		
	45½	49	Gray broken lava		
	49	51	Hard Gray		
	51	57	Gray w/ seams		
	57	58	Broken Brownish gray		
	58	67	No Return		
	67	68	Pinkish Gray porous Broken		
	68	73	Broken		
	73	91	Hard Gray		
	91	92	Broken Brown w/ Some sand		
	92	103	Hard Gray		
	103	112	Broken No Return		
	112	114	Hard No Return		
	114	117	Badly Broken		
	117	123½	Hard seams		
	123½	125	Broken No Return		
	125	137	Hard		
	137	161	Broken trace of Water		
	161	163	Hard		
	163	176	Med Hard		
	176	177	Broken		
	177	178	Pink		

10. Work started February 17, 19 Finished 02/24/71

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.
Driller's or Firm's Name
Number
305 West Main Jerome, Idaho
Address
Signed By
Date

IMAGEFILMED
0 2 2003

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: Wendell, 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
.252 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 ¼ 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.

N

County: Lincoln
¼ ¼ Sec. T. S. R. 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 - Clinker		
	32	45	Black lava - cinders		
			lots of water in cinders		
14"	0	45			
	Fifteen ft. of Rig perforations				
			water stands at 31 ft.	X	

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.
Driller's or Firm's Name: Number:
Address:
Signed By: Date:

PROFILMED
0 2 2009

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 Wendell, 1d 83340

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 16 inches Total depth 45 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 1.5 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

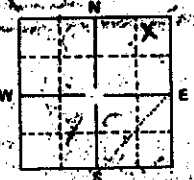
Placed from feet to feet

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.



County Gooding

NE Sec. 24 T 6 S R 16 E

7. WATER LEVEL

Static water level 1 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
16"	0'	2'	top soil		
	2	8	loose rock - Boulders		
	8	21	grey lava		
	21	32	Loose cuttings of grey lava - Cinders		
	32	45	Black Lava - Cinders / Lots of water in cinders		
14"	0	45			
	Tight fit		ft. of Big perforations		
			UNITS Stand. 31 ft.	X	

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.

Driller's or Firm's Name Number

Address

Signed By Date

MICROFILMED
0 2 2000

DEPARTMENT OF WATER RESOURCES

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 AL MILLER

Address Winslow, Arizona

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	20 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

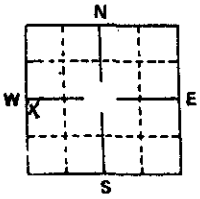
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth

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 _____

¼ Sec. _____ T. _____ N., R. _____ E/W

7. WATER LEVEL

Static water level 65 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		
"	3	16	GREY LAVA		
6"	16	25	RED CLAY		
"	25	65	GREY LAVA		✓
"	65	77	RED LAVA	✓	
"	77	96	BLACK CINDERS	✓	

10.

Work started MARCH 27 finished APRIL 1

11. DRILLERS CERTIFICATION

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

Firm Name P & G Drilling Firm No. 17

Address Box 606, Winslow, AZ Date _____

Signed by (Firm Official) _____

and

(Operator) Steve Dillard

MICROFILMED

FEB 0 2 2000

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 Kieth Davis

Address Wendell 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	8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

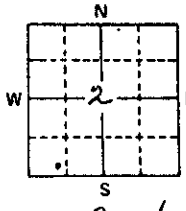
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding

7. WATER LEVEL

Static water level 62 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
10	0	1	Top Soil		✓
	1	19	Gray Lava		✓
8	19	34	Gray Lava		✓
	34	160	No Returns	✓	

10.

Work started JAN 15 finished Jan 20-79

11. DRILLERS CERTIFICATION

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

Firm Name C B Falconer Sons Firm No. 26
Address Wendell Ida. Date May 16-79
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
FEB 0 2 2000

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
Southern District Office

1. WELL OWNER

Name Floyde

Address Wendell

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	4 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

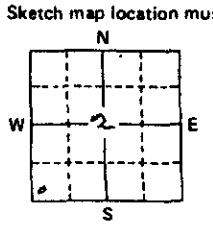
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Gooding
SW ¼ SW ¼ Sec. 1 , T. 8 N/S, R. 17 E/W

7. WATER LEVEL

Static water level 62 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 ☐ Baller ☐ 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	1	Top Soil		✓
	1	19	Gray Lava		✓
6	19	36	" "		✓
	36	47	Red Lava		✓
	47	62	Gray Lava	✓	
	62	105	Gray Lava	✓	

10.

Work started July 15 finished July 14-82

11. DRILLERS CERTIFICATION

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

Firm Name C.R. Eskin & Sons Firm No. 36
Address Wendell Date 7-25-82
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
FEB 02 2000

irm 238-7
78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALL POINT PEN

WELL DRILLER'S REPORT

RECEIVED
JAN 15 1981
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 Roger Neidecffer

Address W of wendell

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	+ 0 feet	20 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

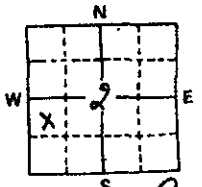
Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☑ No
Perforated? ☐ Yes ☑ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 ☐ 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 Gooding
NW¼ SW¼ Sec 2, T. 8 N/S, R. 14 E/W.

7. WATER LEVEL

Static water level 57 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	2	TOP SOIL		✓
6	2	6	clay & GRey LAVA		✓
6	6	45	GREy LAVA		✓
6	45	58	Red LAVA		✓
6	58	65	GREy LAVA	✓	
6	65	87	BLACK cinders	✓	
6	87	93	Red cinders	✓	

10. Work started 6/15 finished 6/18

11. DRILLERS CERTIFICATION

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

Firm Name D & G DRILLing Firm No. 17
Address Wendell, Box 606 Date _____
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
FEB 0 2 2000

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 MAURICE RAY

Address ROUTE 1, WENDELL, 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 100 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	+ From	— To
.250 inches	6 5/8 OD 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

feet to feet

Yes No To what depth feet

Used as seal ☐ Puddling clay

LOCATION OF WELL

Location must agree with written location



7. WATER LEVEL

Static water level 60 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	4	Top Soil Sand		
8	4	10	Lava Gray hard broken		
6	10	38	Lava gray hard		
6	38	40	Crevis		
	40	41	pink cinders		
	41	48	Lava pink hard		
	48	50	Lava pink		
	50	64	Lava pink hard		
	64	66	Lava pink soft		
	66	78	Lava pink hard		
	78	98	Lava gray hard		
	98	99	Lava gray soft		
	99	100	Lava gray hard		

10.

Work started 6/20/70 finished 6/25/70

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.
Driller's or Firm's Name

365 West Main Jerome, Idaho
Address

Signed By

MICROFILMED
FEB 0 2 2000

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: Gene Wisiniewski % Liberty Trust

Address: 1313 Bullion Rd. Elko, NV 89801

Drilling Permit No.: 36-93-S-0125-000

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 _____

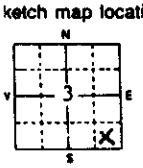
____ diameter ____ Slot size ____ Set from ____ feet to ____ feet
____ diameter ____ Slot size ____ Set from ____ feet to ____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

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 Gooding
Address of Well Site _____ (give at least name of road)
SE ¼ SE ¼ Sec. 3, T. 8 N ☐ or S ☒, R. 14 E ☒ or W ☐

7. WATER LEVEL

Static water level 61 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	4	Topsoil		x
	4	18	Basalt		x
6"	18	60	Basalt		x
	60	72	Red cinders, no circulation	x	
	72	87	Basalt		x
	87	96	Cinders	x	
	96	110	Basalt		x
	110	115	Cinders	x	
	115	120	Basalt		x

10.

Work started 5-5-93 finished 5-5-93

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 83301 Date 5-7-93
Signed by Drilling Supervisor Everett Elsing
and
(Operator) _____ (If different than the Drilling Supervisor)

SE/SE T 8S-R14E

MICROFILMED
FEB 0 2 2000

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 Michael C & Kathleine L Brandtflower

Address Box 372, Wendell, Id. 83355

Owner's Permit No. 36-91-S-004 (Water Well)

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
0.25 inches	12¾ inches +	1 feet	12 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 0 to 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 1¼ x 2' 30°

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____

County Gooding

SE ¼ NE ¼ Sec. 3 T. 8 S N or S R. 14 E or W

7. WATER LEVEL

Static water level 57 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
17	0	4	Top Soil		✓
17	4	5	White Shell Rock		✓
17	5	10	clay type soil		✓
17	10	12	Gchy Lava		✓
12	12	19	Gray Lava		✓
12	19	25	Redish Brown Lava		✓
12	25	50	GRAY		✓
12	50	55	Black Hard Lava		✓
12	55	60	Redish Brown Lava	✓	
12	60	67	Dark Brown Lava		✓
12	67	83	Hard Black Lava	✓	
12	83	89	Gray Sand w/Brown	✓	
12	89	94	Black Lava	✓	
8¾	94		Loose Rocks	✓	
8¾	94	108	Black lava		✓
8¾	108	113	Cynders	✓	

RECEIVED
APR 04 1991
Department of Water Resources
Southern Region Office

10.

Work started 7 March 91 finished 11 March 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 Eaton Firm No. 26

Address Wendell Date 11 March 91

Signed by (Firm Official) _____

and

(Operator) R. Peterson

S3-T8S-R14E

MICROFILMED
FEB 02 2000

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 Mike Branch Flower

Address P.O. Box 392, Wendell, Id. 83355

Owner's Permit No. 36-90-S-016

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
.025 inches	12 5/8 inches	+ 1 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

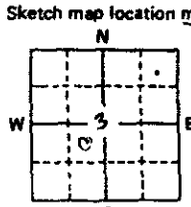
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 2" x 4' 90° angle w/ cap

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
NE ¼ NE ¼ Sec. 3 T. 8 ☐N ☒S R. 14 ☒E ☐W

7. WATER LEVEL

Static water level 44 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

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
15	0	3	Top Soil		X
15	3	8	Clay Tan		X
15	8	18	Bl Lava Rock		X
12	18	49	Bl Lava Rock		X
12	49	50	Gravels	X	
12	50	80	Bl Lava Rock	X	

APR 1 1990

10.

Work started 23rd March 90 finished 25th March 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 Eaton Drilling Firm No. 26
Address Wendell Date 26th March 90
Signed by (Firm Official) _____
and
(Operator) R. Eaton

MICROFILMED
FEB 0 2 2000

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

Form 238-7
6/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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 Michael G. f/k/a Katherine L Branch/Flower

Address Box 392 Wendell, Id. 83355

Owner's Permit No. 36-91-S-005 (South well)

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
0.25 inches	12 5/8 inches +	1 feet	6 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 6 to 0 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 14 x 13" 30°

6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____
Lot No. ____ Block No. ____

County Gooding

NE ¼ SE ¼ Sec. 3 , T. 8 N ☐ S ☒ R. 14 E ☒ W ☐

7. WATER LEVEL

Static water level 64 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure ____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 58.5 °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
17	0	1"	Top Soil		X
17	1"	6"	Gray Lava Hard		X
12	6	15	Soft Brown Gray Lava Hard		X
12	15	19	Soft Brown Rock		X
12	19	21	Black Lava		X
12	21	33	Gray Lava		X
12	33	75	Med Hard Brown Lava	X	
12	75	105	Lots Broken Brown & Black L.	X	
8⅝	105	115	Black Lava can Deepen later if needed	X	

RECEIVED
APR 04 1991
Department of Water Resources
Southern Region Office

10.

Work started 4 March 91 finished 5 March 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 Eaton Firm No. 26
Address Wendell Date 6 March 91
Signed by (Firm Official) Larry Eaton
and
(Operator) R. Peterson

S3-T8S-R14E

MICROFILMED
FEB 02 2000

Form 238-7
3/82

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 Randy Wright

Address Jerome, Idaho

Owner's Permit No. 36-88-5-080 0K

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

XX 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 5/800 inches	+	1½ feet	18½ feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet

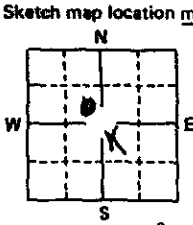
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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
XX 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.



T 8S, R 14E, Sec. 3

Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
NW ¼ SE ¼ Sec. 3, T. 8S N/S, R. 14 E/W.

7. WATER LEVEL

Static water level 49 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

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	29"	top soil		
	29"	14	Gray broken lava		
	14	15½	red clay		
	15½	19	gray lava		
6	19	22	gray lava & small creaves		
	22	29	gray lava		
	29	39	brownish gray & lots of breaks		
	39	47	porsous gray lava		
	47	49	gray lava		
	49	54	gray lava small break	x	
	54	56	gray lava		
	56	59	gray lava small break	x	
	59	65	gray lava porous&small creaves	X	
	65	67	gray lava small break		
	67	72	gray lava		
	72	74	lost return creaves	x	
	74	81	gray lava broken	x	
	81	91	gray lava		
	91	92	gray lava small break	x	
	92	99	med hard small break	x	

RECEIVED
JAN 18 1989
Department of Water Resources
Southern Region Office

10.

Work started 11-14-88 finished 11-14-88

11. DRILLERS CERTIFICATION

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

Firm Name Smith Drilling & Pump Co. No Inc. 11

Address Jerome, Idaho Date 11-15-88

Signed by (Firm Official) _____

and

(Operator) Melton Robbins

MICROFILMED
FEB 02 2000

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.

RECEIVED
MAY 11 1983
Department of Water Resources
Southeastern Region Office

1. WELL OWNER

Name Rich Jafzaman

Address Wendell

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
3/16 inches	6 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

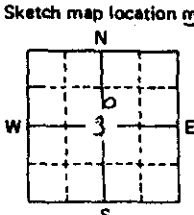
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 ☐ Bentonite ☒ Puddling clay ☒ 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 Gooding
SW ¼ NE ¼ Sec. 3 T. 8 S, R. 17 E/W.

7. WATER LEVEL

Static water level 47 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	8	top Soil		
	8	11	Gray lava		
	11	16	Red Sand		
	16	19	Gray lava		
6	19	80	" "	✓	
	80	105	No Cuttings	✓	

10.

Work started 4-24-83 finished 4-25-83

11. DRILLERS CERTIFICATION

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

Firm Name CBE Eaton Firm No. 36
Address Wendell Idaho Date 5-[illegible]-83
Signed by (Firm Official) James Eaton
and
(Operator) James Eaton

MICROFILMED
FEB 02 2000

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER O
BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED
DEC 18 1984
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 Jake West

Address Box 295 Wendell, Id

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
0.250 inches	6" inches	+ 1 feet	47 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

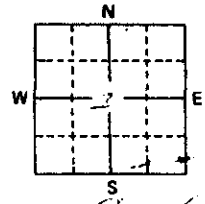
Was casing drive shoe used? ☐ Yes ☑ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 ☐ 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 Gooding

SE ¼ SE ¼ Sec. 33, T. 8 S, R. 14 E/W.

7. WATER LEVEL

Static water level 70' 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	9	Top Soil		
8	9	19	grey lava		
6"	19	45	grey lava		
6	45	54	Red lava		
6	54	105		✓	

10.

Work started _____ finished Oct 18-84

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 + Sons Firm No. 26

Address Wendell Ida Date 12-1-84

Signed by (Firm Official) James Eaton

and

(Operator) James Eaton

MICROFILMED
FEB 02 2000

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

Received
DEC 4 1972
Department of Water Administration
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 Clyde Davis

Address Wendell, Idaho 83355

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 93 feet

Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
1/4 inches	6 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 _____

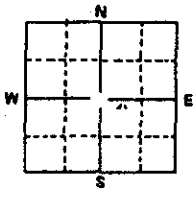
Placed from _____ feet to _____ feet

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 Gooding

¼ ¼ Sec. 3 T. 6 N/S, R. 11 E/W

7. WATER LEVEL

Static water level 47 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
6"	0	2	Top Soil		X
	2	25	Grey Lava		X
	25	28	Loose Grey Lava		X
	28	49	Brown Lava		X
	49	86	Grey Lava	X	
	86	93	Black Cinders	X	

10.

Work started Nov. 2, 1972 finished Nov. 6, 1972

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Delta Gilbert Well Drilling 77
Driller's or Firm's Name Number

Box 203 Wendell, Idaho 83355
Address

[signature] 11-11-72
Signed By Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE AND PINK COPIES TO THE DEPARTMENT

MICROFILMED
FEB 2 2000

6/89

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 Branch Flower

Address P.O. Box 392, Wendell, Id. 83355

Owner's Permit No. 36-90-S-015-0001

2. NATURE OF WORK 36-90-S-0015÷100

☐ 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

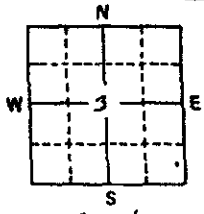
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 Gooding
SE ¼ SE ¼ Sec. 3 T ☆ N ☐ S ☐ R 14 E ☒

7. WATER LEVEL

Static water level 66' 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

RECEIVED
FEB 08 1993
Department of Water Resources
Southern Region Office

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
12	77	98	Hard Lava Rock, filled in to 96½	X	

RECEIVED
APR 2 1990
Water Resources

RECEIVED
APR 11 1990

MICROFILMED
JUN 15 1990

Work started 26th March 90 finished 28th March 90

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 Eaton Drilling Firm No. 26
Address Wendell Date 26th March
Signed by (Firm Official) _____
and
(Operator) R. Peterson

MICROFILMED
FEB 02 2000

rm 238-7
)5

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: : :

DRILLING PERMIT NO. 36 97 S . 0118 .200
her IDWR No. D0002141

OWNER:
ame Jerry Courcine
ddress 1400 E 3100 S
ty Wendell State Id Zip 83355

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

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 4 , ____ 1/4 SW 1/4 SE 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Gooding
Lat: : : Long: : :
Address of Well Site SAME
City Wendell
(Give at least name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name ____

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

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

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

. 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? ____

. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	1	19	.25	Steel	☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe ____ Length of Tailpipe ____

. PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

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

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
42 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	1	Top Soil		
8/6	1	21	BSI LAVA		
6	21	24	BSI Ash		
6	24	42	BSI LAVA		
6	42	46	Med Hard bl LAVA	X	
6	46	60	BSI LAVA		
6	60	64	BSI Cinders	X	
6	64	67	BSI LAVA		
6	67	72	Broken	X	
6	72	77	Med hard bl LAVA		
6	77	84	Loose Cinders	X	

RECEIVED
OCT 16 1997
Department of Water Resources
Southern Region

Completed Depth 78' (Measurable)
Date: Started 9-15-97 Completed 9-15-97

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 Eston Drilling Firm No. 26
Firm Official Larry Mullen Date 9-29-97
and
Supervisor or Operator Dave Cuff Date 2/2/98
(Sign once if Firm Official & Operator)

MICROFILMED
FEB 02 2000

orm 238-7
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: : :

. DRILLING PERMIT NO. 36-97-5-0119-300
ther IDWR No. _____

. OWNER:
ame Tracy Crumrine
ddress 1400 E 3100 S
ty Wendell State ____ Zip 83355

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

N / E / S

Twp. 8 S North ☐ or South ☑
Rge. 14 E East ☑ or West ☐
Sec. 4, ____ 10 acres 1/4 SW 40 acres 1/4 SE 160 acres 1/4
Gov't Lot ____ County Gooding
Lat: : : Long: : :
Address of Well Site above
City Wendell
(Give at least: name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name ____

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

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

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

SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
Bentonite	0	40	25	Poured

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

CASING/LINER:

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

ength of Headpipe ____ Length of Tailpipe ____

PERFORATIONS/SCREENS
Perforations Method ____
Screens Screen Type ____

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

). STATIC WATER LEVEL OR ARTESIAN PRESSURE:
____ft. below ground Artesian pressure ____lb.
epth flow encountered ____ft. Describe access port or
ontrol 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
			RECEIVED		
			OCT 16 1997		
			Department of Water Resources Southern Region		
			Rocks in hole appear 40' of filled in to top of pump house floor.		

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 Eaton Drilling Firm No. 26
Firm Official Larry Eaton Date 9-5-97
and
Supervisor or Operator ____ Date FEB 02 2000
(Sign once if Firm Official & Operator)

MICROFILMED

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 Terry Crumrine

Address 1400 E 3100 S Wendell, Id 83355

Owner's Permit No. 36-90-S-042 DR

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
.025 inches	12 5/8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

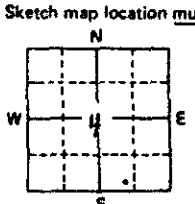
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 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 2"x14" long 1 each 30°

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
SW ¼ SE ¼ Sec. 4, T. 8 ☐ N ☒ S, R. 14 ☒ E ☐ W

7. WATER LEVEL

Static water level 42 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
15	0	4	Top Soil		X
15	4	6	Grey Clay		X
15	6	8	Yellish tan clay		X
15	8	12	White Clay		X
15	12	19	Black Lava Rock		X
12	19	49	Red Red Black Lava		X
12	49	51	Reddish Brown Lava mixed w Black	X	
12	51	54	Lava Black Lava	X	
12	54	58	Cracks lost cuttings	X	
12	58	81	Hard	X	

RECEIVED
JUN 13 1990
Department of Water Resources
Southern Region Office

10.

Work started 9 May 90 finished 10 May 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 Eaton Drilling Firm No. 26
Address Wendell Date 11 May 1990
Signed by (Firm Official) _____
and
(Operator) R. Peterson

MICROFILMED

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

FEB 0 2 2000

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 Neal Ambrose

Address Wendell, Idaho

Owner's Permit No. applied for

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 108 feet

Casing schedule: ☒ Steel ☐ Concrete

Diameter	From	To
16 inches	plus 2 feet	18 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
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

N

W E

S

County Gooding N/S R E/W

Sec. T N/S R E/W

7. WATER LEVEL

Static water level 57 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature 58 F. Quality

Artesian closed-in pressure p.s.i.

Controlled by ☐ Valve ☐ Gate ☐ Plug

8. WELL TEST DATA

Test: ☐ Pump ☐ Bailer ☒ Other none

Discharge G.P.M.	Draw Down	Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
16	0	2	top soil		
	2	28	grey lava		
	28	38	loose grey lava		
	38	48	grey lava		
	48	52	light red loose lava		
	52	80	grey lava		
	80	92	hard grey lava		
	92	108	broken grey lava		
			air @ grey water @ 27		

10. Work started 5-20-70 finished 5-25-70

11. DRILLER'S CERTIFICATION

This well was drilled under my supervision and this report is true to the best of my knowledge.

Name of Driller Neal Gilbert Well Drilling

Driller's or Firm's Name

Box 283 Wendell, Idaho 83355

Address

Signed By

USE TYPEWRITER OR BALLPOINT 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 Carol Lehmann
Address Wendell, Idaho 83355
Owner's Permit No. 36-7377

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 80 feet
Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
.025 inches	16 inches	+ 0 feet	10 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

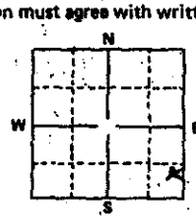
Number	From	To
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet
____ perforations	____ feet	____ feet

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 10 feet
Material used in seal ☐ Cement grout ☐ Puddling clay

6. LOCATION OF WELL
Sketch map location must agree with written location.



37
36

County Gooding
SE ¼ SE ¼ Sec. 4 T. 8 N/S, R. 14 E/W

7. WATER LEVEL
Static water level 50 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
R	0	6	Top Soil		
18	6	10	Rock Layers		
16	10	56	Grey Lava	X	
16	56	80	Other Lava	X	
		80	Cinders		
		TD	80 Ft		

10. Work started 3-2-74 finished 3-7-74

11. DRILLER'S CERTIFICATION
This well was drilled under my supervision and this report is true to the best of my knowledge.

Kenneth F. McCrae 243
Driller's or Firm's Name Number
Box 553, Wendell, Idaho
Address
Signed By [signature] Date 3-11-74

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE AND PINK COPIES TO THE DEPARTMENT

MICROFILMED FEB 02 2000

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT

RECEIVED

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.

JUN 10 1985

Department of Water Resources
Southern District Office

1. WELL OWNER

Name Dr. Darwin Yoder

Address Wendell

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
.035 inches	6" inches	+ 0 feet	137 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

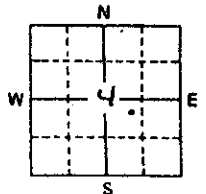
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ¼ inches by 6 inches

Number	From	To
120 perforations	117 feet	137 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 17 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 Gooding

NE ¼ SE ¼ Sec. 4 T. 8 ☒S, R. 14 ☒E/W

7. WATER LEVEL

Static water level 127 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	1	Top Soil		✓
↑	1	5	Gray Lava		✓
	5	13	Brown Sandy Gravel		✓
	13	15	Gray Lava		✓
	15	16	Brown Sand		✓
	16	35	Gray Lava		✓
	35	36	Red Sand		✓
	36	72	Gray Lava		✓
	72	78	Brown Sand		✓
	78	82	Gray Lava		✓
	82	84	Brown Sand		✓
	84	90	Gray Lava		✓
	90	97	Gray Lava		✓
	97	102	Brown Sand		✓
↓	102	110	Gray Lava		✓
8	110	137	Crevice Lost Cuttings	✓	
6	137	120	Lost Cuttings	✓	

10.

Work started 5-13-85 finished 5-14-85

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 Date 5-16-85
Signed by (Firm Official) James Eaton
and
(Operator) [illegible]

MICROFILMED
FEB 02 2000

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER O
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 SMITH WATERS

Address RT. #1, HAGERMAN, IDAHO 83332

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	108 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

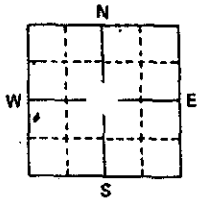
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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. 4 Block No. _____
County GOODING
NE ¼ SW ¼ Sec. 5 T. 5 ☐S ☒N R. 14 ☐E ☒W

7. WATER LEVEL

Static water level 52 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
3.5	52	1

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water N
6"	0	32	FINE BROWN SAND		
"	32	37	HARD BROWN CLAY & COARSE SAND		
"	37	39	SOFT WHITE SANDSTONE		
"	39	103	BROWN CLAY		
"	103	108	CLAY HARD CLAY & GRAVEL		
"	108	T	FINE SAND	X	

10. Work started 3 JUN 80 finished 6 JUN 80

11. DRILLERS CERTIFICATION

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

RAY ROESLER
Firm Name WELL DRILLING Firm No. 262
125 5TH AVE E
Address GOODING, IDA 83330 Date 7 JUN 80

Signed by (Firm Official) Ray Roesler
and
(Operator) Ray Roesler

MICROFILMED
FEB 02 2000

238-7

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

DRILLING PERMIT NO. 36-95-S-0113-000
IDWR No.

OWNER: David L. Kelley
Address P.O. Box 12
City Cottonwood State Ca. Zip 96009

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

N / W / E / S

Twp. 31 North ☐ or South ☒
Rge. 4W East ☒ or West ☐
Sec. 5
Gov't Lot
1/4 NE 1/4 NE 1/4

Address of well: 25E Cottonwood
Give at least name of road + Distance to nearest town

Blk.

Please File

PROPOSED USE: ☒ Domestic ☐ Municipal ☐ Irrigation ☐ Thermal ☐ Injection ☐ Other

TYPE OF WORK: ☒ New Well ☐ Modification/Repair ☐ Deepening ☐ Abandonment

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

SEALING PROCEDURES

SEAL/FILTER PACK

Material	From	To	Sacks or Pounds
Con Tonite	0	19	200 lbs

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

CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
	1	134	.25	Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe Length of Tailpipe

PERFORATIONS/SCREENS

☐ Perforations Method
☐ Screens Screen Type

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

STATIC WATER LEVEL OR ARTESIAN PRESSURE:
12 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:

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		
7	4	17	Clay		
	17	41	BR Lava		
	41	66	BR Cinders		
		70	BR Lava		
		79	Cinders		
		96	Gravel + Sand		
		91	BR Lava		
		130	Dr Sand		
5		135	Clay Dr		
5		148	" "		
8		154	Soft Clay	X	
34		165	Dr. Clay		

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Southern Region

Completed Depth 165 (Measurable)
Date: Started 6-15-95 Completed 6-15-95

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 Eaton Drilling Firm No. 76
Firm Official Larry Eaton Date 6-16-95
and
Supervisor or Operator Dave Eaton Date 6-16-95
(Sign once if Firm Official & Operator)

MICROFILMED
FEB 02 2000

rm 238-7
)4

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

DRILLING PERMIT NO. 36-95-S-0104-____
her IDWR No.____

OWNER:
ame Steve Kidd
ddress 1225 E 3150S
ty Hagerman State Id Zip 83332

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

N / E / S

Twp. 8 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 5, SE 1/4 (10 acres) SW 1/4 (40 acres) ____ 1/4 (160 acres)
Gov't Lot ____ County Gooding
Address of Well Site Same
City____
(Give at least name of road + Distance to Road or Landmark)

t.____ Blk.____ Sub. Name____

I. 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	5	19	3	overboard

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#	+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:
70 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	1	topsoil		
	1	6	Basalt + gravel		
	6	19	Brown Lava		
6"	19	40	Brown Lava		
	40	120	no Return	✓	

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Department of Water Resources
Southern Region

Completed Depth 120 ft (Measurable)
Date: Started June 13 Completed June 13

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 Dave Austin Rule Firm No. 196
Firm Official Dave Austin Date 11/4/95
and
Supervisor or Operator____ Date____
(Sign once if Firm Official & Operator)

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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 Wayne & Elora Silver

Address Box 326 Hagerman Id 83332

Owner's Permit No. 36-89-S-092

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
.025 inches	6 5/8 inches +	2 feet	18 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

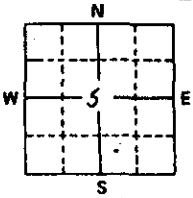
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 Gooding

SW ¼ SE ¼ Sec. 5 . T. 8 N ☐ S ☒ R. 14 E ☒ W ☐

7. WATER LEVEL

Static water level 67' 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	2	Top Soil		X
8	2	18	Black Lava		X
6	18	65	Black Lava		X
6	65	66	crevas		X
	66	71	Black Lava		X
	71	80	Lost cuttings Hard	X	
	80	83	Crevas	X	
	83	95	Real Hard	X	
	95	103	Hard	X	
	103	115	Soft	X	
	115	120	Hard	X	
	120	123	Med Soft	X	
	123	127	Med Hard	X	

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Department of Water Resources
Southern Region Office

10. Work started 13th Dec. 89 finished 13th Dec. 89

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 28 Dec 89
Signed by (Firm Official) _____
and
(Operator) Robert _____

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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

USE TYPEWRITER OR BALLPOINT PEN

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.

Request

1. WELL OWNER

Name Dan Maier

Address 3105 S. 1200 E Wendell

Owner's Permit No. 36-90-5-057 dw

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
.25 inches	6⅝ 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 18 Material used to 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 Gooding

SE ¼ SW ¼ Sec. 5 , T. 6 ☐ N ☒ S R. 16 ☒ E ☐ W

7. WATER LEVEL

Static water level 65 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	5	Top Soil		✓
8	5	19	Gray Lava		✓
6	19	21	" "		✓
6	21	25	Red & Brown Lava		✓
6	25	49	Black Lava		✓
6	49	51	Black Cinders		✓
6	51	73	Black Lava		✓
6	73	90	Black Lava & water	✓	
6	90	98	Fine Cinders like Ash & Gravel & Decomposed	✓	

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Department of Water Resources
Southern Region Office

10.

Work started 4th Sept 90 finished 4th Sept 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 Eaton Drilling Firm No. 26
Address Wendell Date 4 Sept. 1990
Signed by (Firm Official) [signature]
and
(Operator) R. Peterson

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

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238-7

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

DRILLING PERMIT NO. 37-94-S-0022-000
or IDWR No.

OWNER:
Name Lucentic Dairy II
Address 3026 N 1200 E
Hagerman State Id Zip 83332

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

N / W / E / S

Twp. 8 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 5, 10 acres 1/4 SW 1/4 NE 160 acres 1/4
Gov't Lot ____ County Gooding

Address of Well Site 3044 S 1200 E
City Hagerman
(Give at least name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name ____

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

TYPE OF WORK
☐ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

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

SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Cn Tonite	0	19	200 lbs	

drive shoe used? Y ☐ N ☒
drive shoe seal tested? Y ☐ N ☒ How? ____

CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8	1	19	.25		☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

th of Headpipe 1 Length of Tailpipe ____

PERFORATIONS/SCREENS
☐ Perforations Method ____
☐ Screens Screen Type ____

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

STATIC WATER LEVEL OR ARTESIAN PRESSURE:
8 ft. below ground Artesian pressure ____ lb.
th flow encountered ____ ft. Describe access port or trol 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	6	Sandy Gravel		
8	6	17	Gravel		
8	17	19	Gray Lava		
6	19	31	" "		
	31	34	Red "		
	34	35	Creavse		
	35	37	Broken		
	37	54	Med Hard		
	34	57	Soft broken		
	57	63	Hard		
	63	65	Creavse		
	65	90	Fair Hard		
4	90	100	Cuttings	6	
6	100	165	Hard		

APR 0 3 1994

Completed Depth 105 (Measurable)
Date: Started 3-28-94 Completed 3-28-94

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 E-Z-Tex Drilling Firm No. 26
Firm Official [signature] Date 3-28-94
and
Supervisor or Operator [signature] Date 3-28-94
(Sign once if Firm Official & Operator)

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FEB 02 2000

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 Butch Deenstra

Address Hagerman

Owner's Permit No. 36-88-S-010 OK

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	+ 1½ feet	190½ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

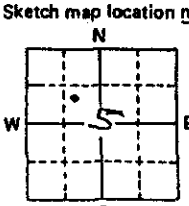
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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.



T8S. R14E sec. 5

Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
SE ¼ NW ¼ Sec. 5, T. 8 N/S, R. 14 E/W.

7. WATER LEVEL

Static water level 90 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	35	Brown Sand		X
8	35	67	Gray Lava		X
8	67	72	Brown Sand		X
8	72	92	Black Lava		X
8	92	112	Brown Sand		X
8	112	137	Black Lava	X	
8	137	142	Brown Clay	X	
8	142	144	Brown Sand	X	
8	144	155	Black Lava	X	
8	155	174	Black Lava	X	
8	174	183	Brown Clay	X	
8	183	190	Brown Sand	X	
6	19	205	Black Lava	X	

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Department of Water Resources
Southern Region Office

10.

Work started July 20 finished July 24 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 Rt 1 Box 412 Date 12-26-88
Signed by (Firm Official) _____
and
(Operator) Butch Deenstra

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FEB 2 2000

USE TYPEWRITER OR BALL POINT PEN

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 Bill Bukstey

Address Wendell

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 12 inches Total depth 115 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
250 inches	12 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

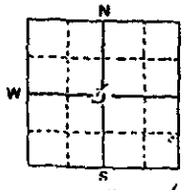
Placed from feet to feet

Surface seal depth 18 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. 3-10



Subdivision Name

Lot No. Block No.

County Gooding

SE ¼ SE ¼ Sec. 6 T. 3 ☐ N/S, R. 14 ☐ E/W

7. WATER LEVEL

Static water level 45 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
16	0	12'			✓
	0	8	Top Soil		✓
	8	18	Gray lava		✓
12	18	25	Gray lava		✓
	25	45	Red lava		✓
	45	70	Gray lava	✓	
	70	100	Red lava	✓	
	100	115	Gray lava	✓	
	115	115	Cinders	✓	

10.

Work started finished 1-25

11. DRILLERS CERTIFICATION

Firm Name C B Eaton Firm No. 26

Address Wendell Date 3-15-78

Signed by (Firm Official) C B Eaton

and (Operator) Bruce Eaton

MICROFILMED

FEB 02 2000

orm 238-7
/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

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 [illegible]

Address [illegible]

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
.225 inches	6 5/8 inches +	1 feet	17 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

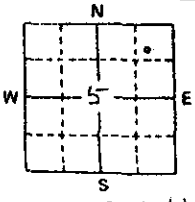
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 17 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.



T8S, R14E, Sec. 5

Subdivision Name _____

Lot No. _____ Block No. _____

County Gooding

NE ¼ NE ¼ Sec. 5 T. 8 N/S, R 14 E/W

7. WATER LEVEL

Static water level 37 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	4	Top Soil		X
8	4	19	Sand Lava		X
6	19	26	Gray Lava		X
6	26	33	Red Soil		X
	33	34	Broken Lava		X
	34	35	Black Lava		X
	35	39	Gray Lava		X
	39	42	Red Soil		X
	42	44	Gray Lava		X
	44	51	Broken Lava		X
	51	52	Black Lava Soil		X
	52	60	Hard		X
	60	67	" " Soft		X
	67	76	" " Hard		X
	76	83	" " Soft		X
	83	100	" " Hard	X	

10.

Work started 12-21-96 finished 12-22-96

11. DRILLERS CERTIFICATION

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

Firm Name [illegible] Firm No. 36

Address [illegible] Date 12-22-96

Signed by (Firm Official) [signature]

and

(Operator) [signature]

RECEIVED
FEB 1 1997
Department of Water Resources
Eastern Region Office

MICROFILMED
FEB 0 2 2000

1/78

DEPARTMENT OF WATER RESOURCES

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

1. WELL OWNER

Name Craig Waters

Address Hagerman

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
.260 inches	6 inches +	1½ 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

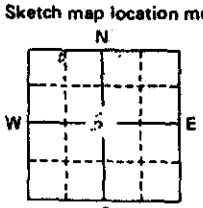
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location. 36



Subdivision Name _____

Lot No. _____ Block No. _____

County Gooding

NE ¼ NW ¼ Sec. 5 T. 8 N/S, R. 17 E/W.

7. WATER LEVEL

Static water level 139 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	19	Gray Lava		✓
6	19	85	Gray Lava		✓
	38	145	Brown Clay	✓	
	146	180	Sand	✓	
	180	280	Clay	✓	
	280	300	Sand	✓	

10.

Work started 3-4 finished 3-8

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 Date 4-21-78

Signed by (Firm Official) _____

and

(Operator) _____

MICROFILMED

FEB 02 2000

USE TYPEWRITER OR BALL POINT PEN

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 Bill Bulkley

Address Wendell

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 16 inches Total depth 95 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
250 inches	16 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 _____

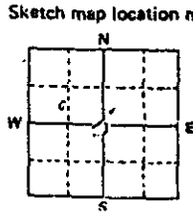
Placed from _____ feet to _____ feet

Surface seal depth 18 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 Gooding

SE ¼ NW ¼ Sec. 5 T. 8 N/S, R. 14 E/W

7. WATER LEVEL

Static water level 70 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
20	0	18			✓
	0	1	Top Soil		✓
	1	18	Gray 13x2		✓
16	18	50	Gray 12x6		✓
	50	75	Gray 13x2 Cinders	✓	
	75	95	Black Cinders	✓	

10.

Work started _____ finished 12-77

11. DRILLERS CERTIFICATION

Firm Name C B Eaton Firm No. 26

Address Wendell Date 3-15-78

Signed by (Firm Official) Charles Eaton

and (Operator) Rocco Hadley

MICROFILMED

FEB 02 2000

38-7

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.

C

WELL OWNER

Name Keith Sligar

Address Highway 30 Hagerman, ID 83332

Drilling Permit No. 47-93-S-0077-000

Water Right Permit No. _____

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.)

PROPOSED USE

Domestic ☐ Irrigation ☐ Monitor
Industrial ☐ Stock ☐ Waste Disposal or Injection
Other non-domestic (specify type) swimming pool

METHOD DRILLED

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

WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
.250 inches	10-3/4 inches	1 feet	45 feet
.250 inches	6-5/8 inches	40 feet	97 feet
____ inches	____ inches	____ feet	____ feet

Is casing drive shoe used? ☐ Yes ☒ No
Is 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 _____
Packer or Headpipe _____
Diam 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 40' Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Drilling 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

LOCATION OF WELL

Each map location must agree with written location.

N / W 8 E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County Twin Falls
Address of Well Site _____ (give at least name of road)
¼ SW ¼ Sec. 8, T. 8 N ☐ or S ☒, R. 14 E ☒ or 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 _____
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
12"	0	58	Sand & gravel	x	
	58	80	Gray lava		x
10"	80	86	Brown lava		x
	86	97	White clay		x
	97	120	Sand & Gravel	x	

RECEIVED
JUL 20 1993
Department of Water Resources
Southern Region Office

10.

Work started 6-26-93 finished 6-27-93

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 Elsing Drilling Firm No. 31
Address P.O. Box 919 Twin Falls, ID 83303 Date 7-20-93
Signed by Drilling Supervisor Donald Elsing
and
(Operator) Lloyd Hayes
(If different than the Drilling Supervisor)

USE ADDITIONAL SHEETS IF NECESSARY

MICROFILMED
FEB 0 2 2000

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	25	Clay- Gravel				
25	50	Fine sand				
[illegible]	55	Loose Rock (lava)				
[illegible]	70	Sand & Blue Clay				
70	85	Black Lava				
85	140	Clay & Sand				
140	200	Black Lava				
[illegible]	280	Blue Clay				
280	270	Fine Grain Sandstone				
270	275	Basalt (very hard)				
275	400	Fine Sandstone (very hard)				
400	505	Clay				
[illegible]	565	Sandstone				
565	580	Clay				
580	590	Lava				
590	805	Black sand				
805	810	Clay				
810	845	Black 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 Gray Bros. Drilling Co.

By [signature]

License No. [illegible]

Dated June 11, 19 55.

MICROFILMED
FEB 0 2 2000

Form 238-7
1/78

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
FEB 23 1981
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 Hoopie & O
Address Wendell
Owner's Permit No. Nol

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

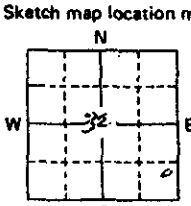
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Nol
Lot No. _____ Block No. _____
County Gooding
SE ¼ SE ¼ Sec. 32 T. 7 S R 17 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

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	3	Top Soil		
	3	14	Gray lava		
6	14	20	Gray lava		
	20	26	Red Sand clay		
	26	80	Gray lava	✓	
	80	130	Cinders	✓	

10.

Work started Jan 27 finished Jan 27 - 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 + Son Firm No. 26
Address Wendell Idaho Date Feb 16 - 81
Signed by (Firm Official) [signature]
and
(Operator) [signature]

MICROFILMED
FEB 02 2000

orm 238-7
73

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 24 1981
Department of Water Resources
Southern District Office

1. WELL OWNER

Name DUANE GREER (RIVERVIEW FARMS)
Address 2465 OVERLAND BOISE, 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	20 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.

N / W / E / S

Subdivision Name _____
Lot No. _____ Block No. _____
County GOODING

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 ____ °F. Quality _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
20	102	1

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	5	BROWN SANDY SOIL		
"	5	12	BROWN LAVA		
"	12	15	DARK GREY LAVA		
"	15	20	" " " SCORIA		
"	20	22	HARD BROWN CLAY		
"	22	32	LIGHT GREY LOOSE SANDSTONE		
"	32	44	BROWN SANDSTONE		
"	44	64	BROWN LAVA		
"	64	65	" " SCORIA		
"	65	75	BROWN LAVA		
"	75	77	DARK BROWN LAVA-SCORIA		
"	77	105	BROWN LAVA		
"	105	106	" " SCORIA	X	
"	106	115	DARK BROWN LAVA		
"	115	116	" " " SCORIA		
"	116	125	DARK BROWN LAVA		
"	125	150	GREY LAVA		
"	150	151	" " SCORIA	X	
"	151	175	BLACK LAVA		

10.

Work started 5 MAR 1981 finished 20 MAR 1981

11. DRILLERS CERTIFICATION

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

RAY MOESSLER
Firm Name WELL DRILLING Firm No. 262
Address 125 5TH AVE E. GOODING, IDAHO 83330 Date 20 MAR 1981
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
FEB 02 2000

238-7

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.

ELL OWNER

ame George R. Baker

ddress 1311 E 2900 S Hagerman, ID 83332

wner's Permit No. 36-93-S-0095-001

ATURE OF WORK 36-93-S-0095-100

New well ☒ Deepened ☐ Replacement
Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

ROPOSED USE

Domestic ☐ Irrigation ☐ Test ☐ Municipal
Industrial ☐ Stock ☐ Waste Disposal or Injection
Other _____ (specify type)

ETHOD DRILLED

Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
Cable ☐ Dug ☐ Other _____

ELL CONSTRUCTION

asing schedule: ☐ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter		From	To
_____ inches	_____ inches	+	_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet
_____ inches	_____ inches		_____ feet	_____ feet

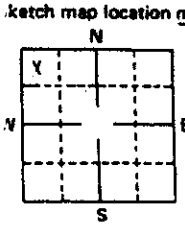
as casing drive shoe used? ☐ Yes ☐ No
as a packer or seal used? ☐ Yes ☐ No
rforated? ☐ Yes ☐ No
ow perforated? ☐ Factory ☐ Knife ☐ Torch
ze of perforation _____ inches by _____ inches

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

ell screen installed? ☐ Yes ☐ No
anufacturer's name _____
ype _____ Model No. _____
iameter ___ Slot size ___ Set from _____ feet to _____ feet
iameter ___ Slot size ___ Set from _____ feet to _____ feet
ravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
aced from _____ feet to _____ feet
urface seal depth _____ Material used in seal: ☐ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
ealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☐ Overbore to seal depth
ethod of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld
☐ Cemented between strata
escribe access port _____

OCATION OF WELL

ketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

inty Gooding County

NW ¼ NW ¼ Sec. 22 T. 7S N/S R. 14E E/W

7. WATER LEVEL

Static water level 90 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
6"	0	159	OLD WELL	■	X
	159	165	Med hard clay lt. color		X
	165	167	broken		X
	167	170	med hard		X
	170	175	broken spots grey	SOME	
	175	178	clay lt. brown		X
	178	180	med hard		X
	180	192	broken	X	
	192	192½	crevice	X	
	192	194	med soft porous	X	
	194	199	med hard w/broken spots	X	
	199	200	hard		

10.

Work started 3-31-93 finished 4-8-93

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 Firm No. 11

Address Jerome, ID 83338 Date 4-14-93

Signed by (Firm Official) Darryl Smith

and

(Operator) Walter F. Robins

NW/NW T7S R14E S33

MICROFILMED

FEB 0 2 2000

orm 238-7
93

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

. DRILLING PERMIT NO. 36 - 94 - S - 0017 - 000
ther IDWR No.

. OWNER:
ame Dick & Wanda Baker
ddress 1300 South 2920 East
ity Wendell State ID Zip 83355

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

N / W / E / S

T. 7 North ☐ or South ☒
R. 14 East ☒ or West ☐
Sec. 33 , 10 acres 1/4 40 acres NW 1/4 160 acres NW 1/4
Gov't Lot ____ County Gooding

Address of Well Site
(Give at least Direction + Distance to Road or Landmark)

ot No. ____ Block No. ____ Subd. 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	6 S	Poured
Overbore to seal depth				

Was drive shoe seal tested? Y☐ N☒ How?

8. CASING/LINER:

Diameter	From	To	Guage	Casing	Liner	Steel	Plastic	Welded	Threaded
6-5/8	+2	18	.250			☒	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

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	Casting	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

Yield gal./min.	Drawdown	Pumping Depth	Time

Temperature of water ____ Was a water analysis done? Yes ☐ No ☐
By whom?
Water Quality (odor, etc.)
Bottom Hole Temperature

11. STATIC WATER LEVEL:
105 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
8"	0	3	Topsoil		
	3	18	Gray basalt		
6"	18	31	Gray basalt		
	31	35	Tan sandy clay		
	35	46	Gray basalt		
	46	49	Brown cinders		
	49	51	Broken, lost circulation		
	51	57	Cinders		
	57	100	Basalt		
	100	103	Broken		x
	103	116	Basalt		
	116	132	Fractured basalt		x
	132	143	Basalt		
	143	145	Cinders		x
	145	163	Fractured basalt		x
	163	172	Cinders		x
	172	180	Fractured basalt		x

RECEIVED
FEB 14 1994
Department of Water Resources
Southern Region Office

Date: Started 2-7-94 Completed 2-7-94

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 Elsing Drilling Firm No. 31
Firm Official Ronald Elsing Date 2-14-94
and
Supervisor or Operator CRAIG EGAN Date 2-14-94
(Sign once if Firm Official & Operator)

MICROFILMED
FEB 02 2000

38-7

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 23 1993

Department of Water Resources
Southern Region

OWNER

Name Don or Linda Friel

Address 480 7th Ave. East Wendell, ID 83355

Owner's Permit No. 36-93-S-0105-000

NATURE OF WORK

☐ New well ☐ Deepened ☐ Replacement

Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
Other _____ (specify type)

METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

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 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Drilling 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 94 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

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	6	top soil		X
	6	8	hard pan		
	8	12	hard gray basalt		
	12	13	med hard broken spots		
8/6	13	19½	med hard		
6"	19½	23½	med hard clay		
	23½	27	clay		
	27	34	gray med hard		
	34	35	porous gray		
	35	41½	med hard gray		
	41½	50	gray		
	50	51	porous pink broken		
	51	56	med hard gray		
	56	57	small breaks		
	57	62	med hard		
	62	69	gray pinkish		
	69	71	gray pinkish gray		
	71	75	med hard gray		
	75	77	porous broken		
	77	80	cinders gray-pink porous		
	80	87	med hard broken gray w/some clay		
	87	92	porous gray clay		
	92	95	med hard gray		
	95	104	med hard gray w/porous spots		
	104	118½	broken spots gray		X
	118½	122½	broken spots gray porous	X	
	122½	124	med hard sm breaks	X	
	124	125½	crevice broken	X	
	125½	143	blackish gray sm breaks	X	
	143	150	dark gray porous	X	
	150	154	med hard gray basalt	X	
	154	163	broken spots	X	
	163	173	broken spots w/hard spots	X	
	173	182	med hard		

10.

Work started 4-9-93 finished 4-12-93

LOCATION OF WELL

Sketch map location must agree with written location.

N
X
E
S

Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding County
¼ NW ¼ Sec. 33 T. 7S N or S R. 14E E or W

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. Firm No. 11
Address Jerome, ID 83338 Date 4-15-93
Signed by (Firm Official) [signature]
and
(Operator) [signature]

NW/NW T7S R14E S33

MICROFILMED
FEB 02 2000

238-7

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: : :

DRILLING PERMIT NO. 36-98-S-0035 000
or IDWR No. D000 2349

OWNER:
e. Jose + Maria Quadros
ess 586 4th St. E.
Wendell State ID Zip 83355

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

N / W / E / S

Twp. 7S ~~North~~ or South
Rge. 14E East or ~~West~~
Sec. 33, ____ 10 acres 1/4 NW 40 acres 1/4 NW 160 acres 1/4
Gov't Lot ____ County Gooding
Lat: : : Long: : :
Address of Well Site 1209 E 2700S City Bliss
(Give at least name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name ____

USE:
Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

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

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

SEALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
Bentonite	6'	19'	130	Pour Dry

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

CASING/LINER:

meter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
5/11	+1	19'	250	Steel	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

gth of Headpipe ____ Length of Tailpipe ____

PERFORATIONS/SCREENS
Perforations Method ____
Screens Screen Type ____

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

STATIC WATER LEVEL OR ARTESIAN PRESSURE:
12 ft. below ground Artesian pressure ____ lb.
pth flow encountered ____ ft. Describe access port or
ntrol 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: NO
Depth first Water Encountered 123'

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		X
	4	37	Bl Lava		
2	37	43	Red Ash		
1	43	55	Coarse Sand + Gravel		
6	55	61	Med Hard		
	61	69	Loose Gravel + Cobble Sand		
	69	81	Med Hard		
	81	92	A Bl Lava		
	92	114	Med Hard		X
	114	130	Hard Lava	X	
	130	155	Med Hard	X	
	155	180	Med Hard	X	

RECEIVED
APR 08 1998
Department of Water Resources
Southern Region

Completed Depth 180' (Measurable)
Date: Started 3/11/98 Completed 3/12/98

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

MICROFILMED
FEB 02 2000

Firm Name Eaton Drilling Firm No. 26
Firm Official Larry Eaton Date 3-13-98
and
Supervisor or Operator Marvin Eaton Date 3/13/98

238-7

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: : :

RILLING PERMIT NO. 36-97-S-0083-000
r IDWR No. Tag: D0002019

WNER:
e Doug Wilson % Oakwood Homes
ess 21396 U. S. Highway 30
Twin Falls State ID Zip 83301

OCATION OF WELL by legal description:
ch map location must agree with written location.

N / W / E / S

Twp. 7 North ☐ or South ☒
Rge. 14 East ☒ or West ☐
Sec. 33 ____ 1/4 NW 1/4 NW 1/4
(10 acres / 40 acres / 160 acres)
Gov't Lot ____ County Gooding
Lat: : : Long: : :

Address of Well Site
03-A East 2900 South City Wendell
Give at least name of road + Distance to Road or Landmark)

____ Blk. ____ Sub. Name ____

ISE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other ____

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

RILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other ____

EALING PROCEDURES

SEAL/FILTER PACK Material	From	To	AMOUNT Sacks or Pounds	METHOD
ntonite	0	18	3 S	Poured
erbore to eal depth				

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

ASING/LINER:

eter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
"	+2	18	.250	Steel	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

gth of Headpipe ____ Length of Tailpipe ____

ERFORATIONS/SCREENS
Perforations Method ____
Screens Screen Type ____

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

STATIC WATER LEVEL OR ARTESIAN PRESSURE:
52 ft. below ground Artesian pressure ____ lb.
th flow encountered ____ ft. Describe access port or
trol 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	3	Topsoil		x
	3	18	Gray basalt		x
6"	18	22	Gray basalt		x
	22	40	Brown basalt		x
	40	44	Red ash		x
	44	56	Tan clay		x
	56	81	Fractured gray basalt,		
			lost circulation		x
	81	104	Basalt		x
	104	121	Fractured basalt		x
	121	128	Cinders		x
	128	139	Soft basalt		x
	139	143	Cinders		x
	143	160	Fractured basalt	x	
	160	170	Cinders	x	
	170	180	Fractured basalt	x	

RECEIVED
JUL 11 1997
Department of Water Resources
Southern Region

Completed Depth 180 ft. (Measured)
Date: Started 7-10-97 Completed 7-10-97

13. DRILLER'S CERTIFICATION MICROFILMED
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
FEB 02 2000

Firm Name Elsing Drilling Firm No. 31
Firm Official Oswald Elsing Date 7-10-97
and
Supervisor or Operator Craig Egan Date 7-10-97
(Sign once if Firm Official & Operator)

1/78

DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

BALLPOINT PEN

RECEIVED
JUN 30 1980
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 Clyde Hanes

Address Wendell

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

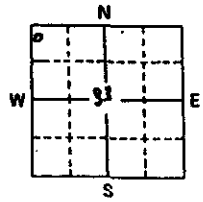
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Gaston
NW ¼ NW ¼ Sec. 33 T. 1 N/S, R. 14 E/W

7. WATER LEVEL

Static water level 106 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	2	Top Soil		
	2	19	Gray lava		
	19	32	" "		
	32	47	Red Sand		
	47	50	Gravel		
	50	58	Brown Clay		
	58	90	Gray lava		
	90	120	Soft	X	
	90	160	No Returns	X	

10.

Work started 2-28 finished 2-28-80

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 Firm No. 216
Address Wendell Date 9-1-80
Signed by (Firm Official) James Eaton
and
(Operator) [signature]

MICROFILMED
FEB 02 2000

BALL POINT 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 Regional Office

1. WELL OWNER

Name George R. Baker

Address RR, Wendell

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 159 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+ 1 feet	-71 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

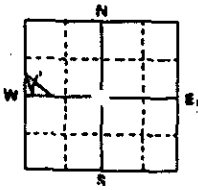
Placed from feet to feet

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 54

Lot No. Block No.

County Gooding

SW ¼ NW ¼ Sec. 33 T. 7S N/S. R. 14EBM E/W

7. WATER LEVEL

Static water level 92 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	3	Top Soil w/Broken Rock		X
	3	7	Hard Gray Basalt w/sma.. breaks		
	7	11	Hard Brown Basalt w/large breaks		
	11	23	Hard Gray Basalt		
	23	26	Hard Gray Basalt w/sm. breaks		
	26	31	Hard Gray Basalt w/sm. breaks		
	31	37	Hard Brown Clay	X	
	37	42	Gravel w/Hard Red Clay	X	
	42	46	Hard Gray Basalt w/sm. breaks		X
	46	53	Med Hard Gray-Brown Basalt w/sm. breaks		
	53	68	Hard Gray Basalt w/sm. breaks		
8/6	68	73	Hard Gray Basalt		
6	73	76	Med Hard Gray Basalt w/lg. breaks		
	76	79	Hard Gray Basalt		
	79	87	Med Hard Gray Basalt w/lg. breaks		
	87	90	Hard Gray Basalt w/sm. breaks		X
	90	103	Hard Gray Basalt w/lg. breaks	X	
	103	107	Med Hard Gray Basalt w/lg. breaks		
	107	118	Hard Gray Basalt w/lg. breaks		
	118	125	Hard Gray Basalt w/sm. breaks		
	125	133	Med Hard Gray Basalt w/sm. breaks		
	133	149	Hard Gray Basalt w/sm. breaks		
	149	159	Med Hard Gray Basalt w/lg. breaks		

10.

Work started 5/24/78 finished 5/25/78

11. DRILLERS CERTIFICATION

Firm Name SMITH DRILLING & PUMP CO., INC. Firm No. 11

Address 328 West Avenue A, Jerome Date 5/26/78

Signed by (Firm Official)

and

(Operator)

MICROFILMED
FEB 0 2 2000

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 Gerald Owen

Address Wendell

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	-90 feet
inches	inches	feet	feet
inches	inches	feet	feet
inches	inches	feet	feet

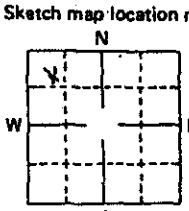
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation inches by inches

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 Gooding
E½ NE¼ NW¼ NW¼ Sec. 33 T. 7S N/S, R. 14EBM E/W.

7. WATER LEVEL

Static water level 122 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	2	Top Soil		X
	2	6	Broken Gray Basalt w/top Soil		
	6	13	Hard Gray Basalt w/large breaks		
	13	18	Hard Redish Brown Clay		
	18	22	Broken Brown Basalt w/redish Brown Cl ay		
	22	26	Med Hard Gray Basalt w/lg. breaks		
	26	33	Med Hard Brown Basalt w/lg. breaks		
	33	40	Soft Brown Clay		
	40	57	Hard GrayishBrown Basalt w/sm breaks		
	57	63	Hard Gray-Brown Basalt w/lg. breaks/ red clay		
	63	73	Hard Gray Basalt w/lg. breaks		
	73	75	Hard Gray Basalt		
	75	85	Hard Gray Basalt w/sm. breaks		
8/6	85	98	Hard Gray Basalt		
6	98	103	Hard Gray Basalt w/sm. breaks		
	103	108	Med Hard Gray Basalt w/lg. breaks		
	108	117	Hard Gray-Brown Basalt w/sm. breaks		
	117	122	Hard Gray Basalt w/lg. breaks/Some Water Gain		
	122	133	Med Hard Gray Basalt w/lg. breaks/		
	133	151	Hard Gray Basalt w/sm. breaks		
	151	159	Hard Gray Basalt w/large breaks		
	159	165	Med Hard Gray Basalt w/lg. breaks		

10.

Work started 1/25/79 finished 1/26/79

11. DRILLERS CERTIFICATION

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

Firm Name SD&P Firm No. 11
Address Jerome Date 1/26/79
Signed by (Firm Official)
and
(Operator)

MICROFILMED
FEB 02 2000

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 Nunes Brothers Dairy

Address 2733 S. @ 1500 E

Owner's Permit No. 36-90-S-065 04

2. NATURE OF WORK 36-90-S-0065-000

☒ 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
.025 inches	6 5/8 inches	+ 1 1/2 feet	18 1/2 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

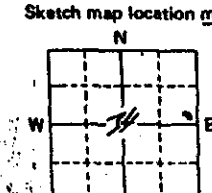
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 17 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 Gooding
SE ¼ NE ¼ Sec. 36, T. 7 N ☐ S ☒ R. 16 E ☒ W ☐

7. WATER LEVEL

Static water level 87 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	8	Top Soil		✓
8	8	18	Lava Gray		✓
6	18	26	Lava "		✓
6	26	25	cinders		✓
6	25	45	Lava		✓
6	45	55	Brown Clay		✓
6	55	205	Lost cuttings		
6	185	190	cinders	✓	
6	190	203	Med Hard Lava Rock 190	✓	

RECEIVED
AUG 16 1990
Department of Water Resources
Southern Region Office

10.

Work started 29 June 90 finished 29 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 Eaton's Drilling Firm No. 26
Address Wendell Date June
Signed by (Firm Official) _____
and
(Operator) R. Eaton

MICROFILMED
FEB 02 2000

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.

RECEIVED
SEP 12 1991
Department of Water Resources
Southern Region Office

1. WELL OWNER

Name Nunes Brothers Dairy

Address 2933 S. @ 1500E

Owner's Permit No. 36-90-5-065 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
.025 inches	6 5/8 inches	+ 1 1/2 feet	18 1/2 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

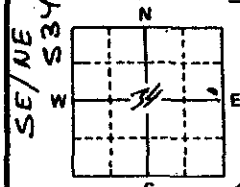
Was casing drive shoe used? ☐ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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 17 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.



SE/NE S34 T7S R14E

Subdivision Name _____
Lot No. _____ Block No. _____

AUG 29 1991

County Gooding

SE ¼ NE ¼ Sec. 34 T. 7 N S R. 14 E W

7. WATER LEVEL

Static water level 87 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. _____
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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	8	Top Soil		✓
8	8	18	Sand Gray		✓
6	18	36	Lava "		✓
6	36	25	Cinders		✓
6	25	45	Lava		✓
6	45	55	Broken Clay		✓
6	55	205	Lost Cuttings		
6	185	190	Cinders	✓	
6	190	203	Med Hard Lava Rock 190	✓	

RECEIVED
AUG 16 1990
Department of Water Resources
Southern Region Office

10. Work started 29 June 90 finished 27 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 Eaton's Drilling Firm No. 26
Address Wendell Date June
Signed by (Firm Official) _____
and
(Operator) R. Eaton

RECEIVED
AUG 29 1991

MICROFILMED
FEB 02 2000

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

RECEIVED
NOV 16 1973
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 A. R. SUTLIFF

Address Route 1, Wendell, 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 217 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.250 inches	6 5/8 inches	+1½ 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

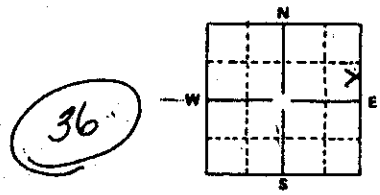
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 19 feet
Material used in seal ☐ Cement grout ☒ Puddling clay

6. LOCATION OF WELL

Sketch map location must agree with written location.



County GOODING

SE ¼ NE ¼ Sec. 34 T. 7 N/S, R. 14 E/W

7. WATER LEVEL

Static water level 75 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 100	None	1

9. LITHOLOGIC LOG

Hole Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	8½	Top Soil & Clay		X
	8½	9	Loose Rock		X
	9	10	Gray Lava Hard		X
	10	12½	Hard Gray lava		X
	12½	17	Hard gray lava w/seams		X
	17	18	broken Gray lava		X
	18	19	Hard pink lava		X
6	19	20	Hard pink Lava		X
	20	24	Hard Gray Lava		X
	24	30	Hard Pinkish Gray lava w/breaks		X
	30	35½	Hard Gray Lava w/small breaks		X
	35½	37½	Hard gray lava		X
	37½	49	Gravel, red clay , sand		X
	49	51	Med soft grainy gray lava		X
	51	56	Med hard broken gray w/hard spots		X
	56	60	Med hard grainy gray lava		X
	60	63	hard grainy gray lava w/broken		X
	63	73	Hard grainy gray lava w/softs		X
	73	75	Broken gray lava		X
	75	76½	hard gray lava		X
	76½	78	Hard gray lava		X
	78	79	Broken rock lost return	X	
	79	85	Soft lava	X	
	85	98½	Hard rock		X
	98½	100½	Broken lava w/hard spots	X	
	100½	102½	Hard lava		X
	102½	106	Broken lava	X	
	106	136	Hard lava		X
	136	152	Hard lava		X
	152	156½	Broken lava	X	
	156½	177	Hard lava		X
	177	197½	Hard lava no return		X
	197½	213	Hard lava		X
	213	217	Small breaks in lava	X	

10.
Work started 10/18/73 finished 10/22/73

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

326 West Avenue A, Jerome, Idaho 83338
Address

Signed By _____ 11-16-73
Date

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE, BLUE AND PINK COPIES TO THE DEPARTMENT

MICROFILMED
FEB 02 2000

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 Ray McCord

Address [illegible]

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 16 inches Total depth 255 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.322 inches	16 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

Was well 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 ☐ Overflow to surface

6. LOCATION OF WELL

Sketch map location must agree with written location. (36)

N W E S

Subdivision Name _____

Lot No. _____ Block No. _____

County _____

¼ ¼ Sec. _____ T. _____ N/S R. _____ E/W

7. WATER LEVEL

Static water level 114 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 Bearing
16	0	4	[illegible]	
	4	42	[illegible]	
	42	57	[illegible]	
	57	80	[illegible]	
	80	115	[illegible]	
	115	120	[illegible]	
	120	170	[illegible]	
	170	190	[illegible]	
	190	210	[illegible]	
	210	230	[illegible]	
	230	255	[illegible]	

10.

Work started 6-1-72 finished 6-15-72

11. DRILLING CERTIFICATION

Firm Name [illegible] Firm No. [illegible]

Address [illegible] Date [illegible]

Signature (Firm Official) [illegible]

and

(Operator) [illegible]

MICROFILMED

FEB 0 2 2000

6/93

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter or Ball Point Pen

1. DRILLING PERMIT NO. 36-93-S-0364-000
Other IDWR No.

2. OWNER:
Name Salmon Falls Land & Livestock Co
Address 123 Bell Rapids Rd
City Hagerman State ID Zip 83332

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

T. 7 ☐ North ☐ or ☒ South
R. 14 ☒ East ☐ or ☐ West
Sec. 31 10 acres 1/4 40 acres SE 1/4 160 acres SW 1/4
Gov't Lot ____ County Gooding

Address of Well Site West point 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 Stock

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	

Was drive shoe seal tested? Y☐ N☒ How? ____

8. CASING/LINER:

Diameter	From	To	Guage	Casing	Liner	Steel	Plastic	Welded	Threaded
6	1	19				☒	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

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
						☐	☐
						☐	☐
						☐	☐
						☐	☐

SE/SW T075-R14E-S34

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

Yield gal./min.	Drawdown	Pumping Depth	Time

Temperature of water 65° Was a water analysis done? Yes☐ No☒
By whom? ____
Water Quality (odor, etc.) ____
Bottom Hole Temperature ____

11. STATIC WATER LEVEL:
55 ft. below surface Depth artesian flow found ____
Artesian pressure ____ lb. Describe access port ____
Describe Controlling Devices: ____

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12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	GPM	SWL
8	0	1	Top Soil		
8	1	14	Gray Lava		
8	14	16	Red Sand		
8	16	19	Gray Lava		
6	19	64	Gray Lava		
	64	66	Broken Gray Lava		
	66	76	Gray Lava		
	76	82	Broken bl Lava		X
	82	86	Bl Lava		
	86	96	Bl Cinders		X
	96	102	Broken Bl Lava		X
↓	102	105	Gray Lava		

Date: Started 10-28-93 Completed 10-28-93

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 11-1-93
and
Supervisor or Operator Dave Craig Date 10-29-93
[Sign once if Firm Official is Operator]

FORWARD WHITE COPY TO WATER RESOURCES

6/89

DEPARTMENT OF WATER RESOURCES

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 FEB 0 - 1990 Department of Water Resources Southern Region

MICROFILMED FEB 0 2 2000

1. WELL OWNER

Name SALMON FALLS SHEEP CO.

Address Hagerman

Owner's Permit No. 36-89-S-029 AK

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	761 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 ☐ _____

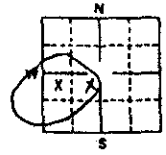
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth

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 Gooding

NE ¼ SW ¼ Sec. 34, T. 7S N ☐ S ☐ R. 14 E ☐ W ☐

7. WATER LEVEL

Static water level 83 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	31	Top Soil		X
	31	15	/Gray Basalt		
	15	21	Brown Clay & Sand		
	21	35	Gray Basalt w/sm. breaks		
	35	37½	Brown Clay and Sand		
	37½	42	Gray Basalt porous an sm breaks	s & a	
	42	42½	crevice	Sand	
	42½	55	Gray Basalt w/small breaks		
	55	56	Crevice		
	56	71	Med Hard and soft spots		
	71	77	Gray Sand		
6	77	86	Gray BAsalt		X
	86	90	Pink Gray Basalt porous	s	
	90	102	Gray Basalt		X
	102	110	Gray Basalt sm breaks	X	
	110	114	Gray Basalt		X
	114	120	Porous Gray Basalt broken	X	
	120	124	Gray Basalt		X
	≈124	128½	Gray Basalt porous Broken	X	
	128½	139	Gray Basalt w/sm breaks	X	

10.

Work started 5/11/89 finished 5/15/89

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 5/12/89

Signed by (Firm Official) _____

and

(Operator) Melton F Robbins

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL LOG AND REPORT OF THE STATE RECLAMATION ENGINEER OF IDAHO

Permit No. [illegible] Well No. _____ County Gooding

Owner David P. Nicholson (originally drilled for Ernest Schmeckpeoper

Address Wendell, Idaho

Driller C. B. Eaton & Sons, Inc.

Address Wendell, Idaho

Well location [illegible] ¼ _____ ¼ Sec. [illegible], T. 7 ~~N~~/S, R. 14 E/~~W~~

Size of drilled hole 12"

Total depth of well 131'

Locate well in section

NW¼	NE¼
SW¼	SE¼

Give depth to standing water from the ground 72' Water temp. _____ °Fahr.

On "Pumping Test" delivery was 675 g.p.m. or _____ c.f.s. Drawdown was 10 feet.

Size of pump and motor used to make test Electric turbine pump

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 10gauge Casing material Steel
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 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.
10"	32	72	30	

MICROFILMED
FEB 0 2 2000

Number and size of perforations 0 located — feet to — feet from ground

On "Pumping Test" delivery was 675 g.p.m. or _____ c.f.s. Drawdown was 10 feet.

Size of pump and motor used to make test Electric turbine pump

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 10gauge Casing material Steel
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 10"
(CASING 12" IN DIAMETER OR LESS, GIVE INSIDE DIAMETER; CASING OVER 13" IN DIAMETER, GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
10"	32	72	30	

Number and size of perforations 0 located — feet to — feet from ground

Date of commencement of well 5-10-56 Date of completion of well 5-14-56

NESE 5.35 T3N R5E

MICROFILMED
FEB 0 2 2000

0	13	Top soil		
13	42	grey lava		
42	72	clay and loose rock, with water		
72	104	red lava		
104	126	black lava		
126	131	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 complete, true and correct to the best of my knowledge and belief.

Signed [illegible]

By [illegible]

License No. [illegible]

Dated 8-3-53, 19

MICROFILMED
FEB 0 2 2000

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 Bob Mathers

Address Rt. 1 Wendell, ID 83355

Owner's Permit No. 36-89-5-041

OK 10/17-89

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
.125 inches	_____ inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

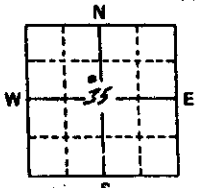
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Gooding
SE ¼ NW ¼ Sec. 35 , T. 7 N S, R. 14 E/W.

7. WATER LEVEL

Static water level 93 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
6	0	6	Top Soil		X
6	6	50	Black Lava		X
6	50	53	Red Lava		X
6	53	60	Brown Lava		X
6	60	62	Black Lava		X
6	62	64	Grey Lava		X
6	64	68	Gravel		X
6	68	130	No Returns	X	

RECEIVED
OCT 10 1989
Department of Water Resources
Southern Region Office

10.

Work started 7-18-89 finished 7-18-89

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 8-2-89
Signed by (Firm Official) _____
and
(Operator) _____

MICROFILMED
FEB 02 2000

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
JUL 30 1984
Water Resources
Southern District Office

1. WELL OWNER

Name Joe Clyne's

Address Kimberly IDA. 83355

Owner's Permit No. 36-84-C-0018-000

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	6 inches	+ 1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

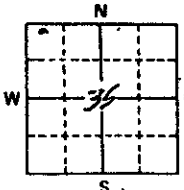
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 Gooding
NE¼ NW¼ Sec. 35 T. 7 ☐S, R. 14 ☒E.

7. WATER LEVEL

Static water level 100' 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	1	TOP SOIL		✓
6"	1	28	GREY LAVA		✓
	28	47	BROWN LAVA		✓
	47	49	RED SAND & ROCK		✓
	49	83	BROWN LAVA		✓
	83	96	RED LAVA		✓
	96	117	BROWN LAVA	✓	
	117	143	GREY LAVA	✓	
6"	143	150	BROWN LAVA & CINDERS	✓	
		150	TOTAL DEPTH		

RECEIVED
JUL 31 1984
Department of Water Resources

MICROFILMED

10.

Work started Aug 9, 84 finished Aug 9, 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. FATON'S Firm No. 26
Address RT 1 WENDELL, IDA Date June 19, 1984
Signed by (Firm Official) James Eaton
and
(Operator) Jerry L. Eaton

MICROFILMED
FEB 02 2000

USE TYPEWRITER OR BALL POINT PEN

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.

1. WELL OWNER

Name Bruce Olson

Address Wendell Idaho

Owner's Permit No. 36-7640

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 16 inches Total depth 95 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.025 inches	16 inches	+ 0 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 ____

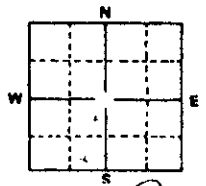
Placed from ____ feet to ____ feet

Surface seal depth 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 Gooding

SE ¼ SW ¼ Sec. 35 T. 7 N/S, R. 14 E/W

7. WATER LEVEL

Static water level 75 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
18	0	5	Top Soil		X
	5	12	Boulders		X
	12	35	Gray lava		X
	35	46	Red lava		X
	46	75	Gray lava		X
	75	95	Blue lava	X	

10.

Work started 11-20-76 finished 12-20-76

36-2534 36-7640

11. DRILLERS CERTIFICATION

Firm Name Kenneth McCrae W.D. Firm No. 243

Address Rt #1 Wendell Ida Date 3/28/77

Signed by (Firm Official) Kenneth McCrae

and

(Operator) Self

MICROFILMED
FEB 02 2000

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.

WELL OWNER

Name Emmett Butler

Address Twin Falls Idaho

Owner's Permit No. _____

NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

_____

PROPOSED USE

Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 180 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 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 _____

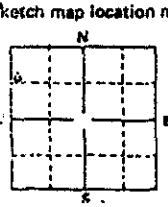
Placed from _____ feet to _____ feet

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

Drilling procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth

LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Gooding

NW ¼ NE ¼ Sec. 35 T. 7 N/S, R. 11 E/W

7. WATER LEVEL

Static water level 153 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	17			✓
	0	1	Top soil		✓
	1	21	Gray lava		✓
	21	53	Red lava		✓
	53	71	Lava & sand		✓
	71	93	Gray lava		✓
	93	110	Gray lava & clay		✓
	110	130	Red lava		✓
	130	180	Lava cuttings	✓	

10. Work started January finished July 1-75

11. DRILLERS CERTIFICATION

Firm Name C B Eaton & Sons Firm No. 26

Address Twin Falls Idaho Date July 10

Signed by (Firm Official) James Eaton

and

(Operator) James Eaton

SEE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

MICROFILMED
FEB 0 2 2000

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
OCT 20 1980
IDAHO DEPT. OF WATER RESOURCES
Southern District Office

1. WELL OWNER

Name Joe Clines

Address Kendall 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	14 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

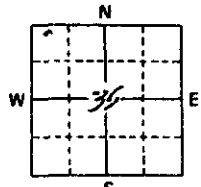
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

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 14 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 Gooding
NE¼ NW¼ Sec. 35 T. 7 ☒S, R. 14 E☐M

7. WATER LEVEL

Static water level 100 ' 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	1	TOP SOIL		
6"	1	28	GREY LAVA		
	28	47	BROWN LAVA		
	47	49	RED SAND & ROCK		
	49	83	GREY LAVA		
	83	96	RED LAVA		
	96	117	BROWN LAVA	✓	
	117	143	GREY LAVA	✓	
6"	143	150	HOUSE LAVA & CINDERS	✓	
		150	TOTAL DEPTH		

10.

Work started Sept 9, 80 finished Sept 9, 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.P. EATONS Firm No. 26
Address RT 1 WENDELL, ID Date JUNE 19, 1981
Signed by (Firm Official) James Eaton
and
(Operator) Jerry L. Sra

MICROFILMED
FEB 0 2 2000

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 Carl Hoover
Address 1600 E Wendell Id
Drilling Permit No. 36-92-8008
Water Right Permit No. _____

2. NATURE OF WORK 36-92-8-0008-100
☐ 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	8 inches	+ 1 feet	59 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

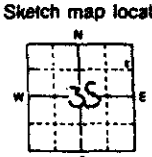
Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

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 Seal

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. ____ Block No. ____
County Gooding
Address of Well Site _____ (give at least name of road)
T 7 N ☐ or S ☒

7. WATER LEVEL
Static water level 100 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	19	59	Reamed hole + Cased Water + Sand		
8	130	136	Hard		
↑	136	137	Greyssc-	X	
↓	137	158	Hard		
↓	158	164	Hard + broken	X	
↓	164	172	Hard		
			Revised - cased & repair - deepened		

RECEIVED
AUG 05 1992
Department of Water Resources
Southern Region Office

10.
Work started 7-23-92 finished 7-24-92

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 7-28-92
Signed by Drilling Supervisor _____
and _____

MICROFILMED
OCT 02 2000

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 Carl Hoyd
Address 2911 N 1600 E Wendell Id
Drilling Permit No. 36-92-8008 #8012
Water Right Permit No. #36-08580

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	8 inches	+ 1 feet	59 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

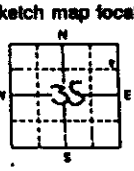
Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

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 seal

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
Address of Well Site _____
(give at least name of road)

7. WATER LEVEL
Static water level 100 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
10	19	59	Reamed hole + Cased (Water + Sand)		
8	130	135	Hard		
↑	136	137	Greasse	X	
	137	158	Hard		
↓	158	169	Hard + broken	X	
	169	172	Hard		

Revision
- cased deeper
- deepened

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SEP 01 1992
Department of Water Resources
Southern Region Office

RECEIVED
AUG 07 1992
Department of Water Resources

RECEIVED
AUG 05 1992
Department of Water Resources
Southern Region Office

10.
Work started 7-23-92 finished 7-24-92

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 7-28-92
Signed by Drilling Supervisor _____
and _____

MICROFILMED
FEB 02 2000

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 36-93-S-0205-200
Name Paul Bernhard
Address 1511 E 3600 S Wendell Id
Drilling Permit No. 36-93-S-0205-001
Water Right Permit No. 36-07640

2. NATURE OF WORK 36-93-600
☒ 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	16 inches	+ 1 feet	5 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

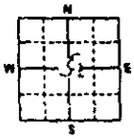
Well screen installed? ☐ Yes ☒ No
Manufacturer _____ Type _____
Top Packer or Headpipe _____
Bottom of Tailpipe _____

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 5 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 Welded Steel p.p.

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
Address of Well Site Hagerman Rd 4 miles Wendell
(give at least name of road)
NW ¼ SE ¼ Sec. 35, T. 7 N ☐ or S ☒, R. 14 E ☒ or W ☐

7. WATER LEVEL
Static water level 82 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

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
17	0	1	Top Soil		
17	1	5	Gray Lava		
15	5	27	Red Sand		
8	27	34	Red Clay		
8	34	37	Gray Lava		
8	37	84	Gray Lava		
8	84	90	Soft broken Lava	X	
8	90	126	Gray Lava		
8	126	130	Soft broken Red & Lava	X	
8	130	144	Gray Lava		
8	144	146	Gravel	X	
8	146	150	Soft broken Lava	X	

RECEIVED
JUL 08 1993
Department of Water Resources
Southern Region Office

10.
Work started 6-5-93 finished 6-7-93

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 Easton Drilling Firm No. 26
Address Wendell Date 6-10-93
Signed by Drilling Supervisor [signature]
and
(Operator) [signature]
(If different than the Drilling Supervisor)

MICROFILMED
FEB 02 2000

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY

T 7S R 14E S 35

38-7

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

C

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.

WELL OWNER

Name Bob Mathers

Address 2929 S 1600 E Wendell

Drilling Permit No. 36 93 S 0175

Water Right Permit No. _____

NATURE OF WORK 36-93-S-0175-200

☐ 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.)

PROPOSED USE

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

METHOD DRILLED

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

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 _____
Packer or Headpipe _____
Bottom of Tailpipe _____

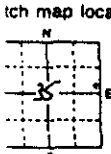
_____ diameter _____ Slot size _____ Set from _____ feet to _____ feet
_____ diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Drilling 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

LOCATION OF WELL

Attach map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
Address of Well Site 25 Above
(give at least name of road)
E ¼ NE ¼ Sec. 35 T. 7 N ☐ or S ☒ R. 14 E ☒ or W ☐

7. WATER LEVEL

Static water level 96 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8	0	4	Top Soil		
	4	43	Grey Lava		
	43	49	Red Sand		
	49	60	Black Lava		
	60	64	Black Cinders		
	64	71	Black Lava		
	71	78	Black Cinders		
	78	82	Black Lava		
	82	89	Black Cinders		
	89	102	Brown Lava		
	102	105	Crevice / Lgt Rfns		
	105	110	Hard		
	110	116	Hard w/ Small Brks		
	116	130	Med. Hard		
	130	145	Broken	X	

RECEIVED
JUN 05 1993
Department of Water Resources
Southern Region Office

10.

Work started May 24/93 finished May 24/93

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 5-24-93
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

MICROFILMED
FEB 0 2 2000

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 Carl Lloyd
Address 2911 S 1600 E Wendell ID 83355
Drilling Permit No. 36-92-S-008
Water Right Permit No. 36-08580 ot

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 _____

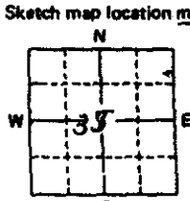
Thickness	Diameter	From	To
.250 inches	8 inches +	1 feet	19 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

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 _____ 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 pipe

6. LOCATION OF WELL
Sketch map location must agree with written location.



Subdivision Name _____
Lot No. _____ Block No. _____
County Gooding
NE ¼ NE ¼ Sec. 35, T. 7 N ☐ S ☒ R. 14 E ☒ W ☐

7. WATER LEVEL
Static water level 93' 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

9. LITHOLOGIC LOG

Bore Diam.	Depth From	Depth To	Material	Water Yes	Water No
8"	0	4	Top Soil		X
	4	19	Gray lava		
8"	19	21	Red + bl Lava		
	21	26	bl Lava		
	26	34	Red Sand + Clay		
	34	46	Gray Clay		
	46	64	bl Lava		
	64	67	Crevasse No returns		
	67	89	Hard		
	89	92	Soft		
	92	93	bl Lava Returns boats		
	93	94	Crevasse		
	94	96	bl Lava		
	96	99	Soft bl. + Red Lava	X	
	99	111	bl lava		
	111	113	Soft broken bl. Lava		
	113	116	bl Lava w/Gray Water Tab	X	
	116	126	bl Lava		
	126	127	Crevasse		
	127	130	Soft	X	

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10.
Work started 2-4-92 finished 2-4-92

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 2-5-92
Signed by (Firm Official) _____
and
(Operator) Dave Crosby

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USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

SMS 2-14-92 SLT



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ANALYSIS OF WATER RIGHT TRANSFER TO DAIRY Southfield Daiary
Brockway Engineering, PLLC 11/11/1999

*****TYPICAL YEAR*****
Water rights: Parts of 2 rights transferred, 36-07377, 36-07547
105 acres dried up

CURRENT
Usage: crop irrigated with groundwater as primary source
Canal water available

Total irrigated area	283.0	acres (g.w.)
Canal share reliability	0.500	est
Crop consumptive use	3.56	ac-ft/acre (alfalfa)
Runoff coefficient	0.00	
Diversion volume	4.0	ac-ft/acre
Irrigation Diversion Volume	1132	ac-ft/year
Maximum diversion rate	4.36	cfs(limited both rights)

Water balance calculation:
(All values in acre-feet)

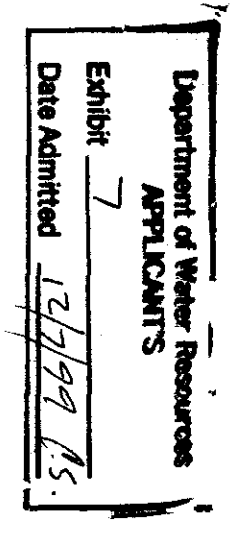
Total applied to crop	1132
Volume supplied by canal	566
Volume supplied by g.w.	**566**
Total consumptive use	1007
C.U. supplied by canal	504
C.U. supplied by g.w.	**504**
Surface runoff	0
Recharge to aquifer	125
Aquifer net gain/loss	**-441.5**

AFTER TRANSFER
Usage: irrigated crop plus dairy (5000 milking, 700 dry cows, 3000 heifers)
Groundwater used in dairy

Irrigated area	178.0	acres
Crop consumptive use	3.56	ac-ft/acre (alfalfa)
Runoff coefficient	0.00	
Diversion volume for irrig.	4.0	ac-ft/ac
Dairy diversion volume	253.7	ac-ft/yr (Brockway wrksht)
Dairy consumptive use	261.9	ac-ft/yr (Brockway wrksht)
Maximum diversion rate-dairy	1.62	cfs
Maximum diversion rate-irrigation	3.27	cfs

Water balance calculation:
(All values in acre-feet)

Total applied to crop	712
Total volume used in dairy	254
Total volume needed on site	966
Volume supplied by canal	566
Volume supplied by g.w.	**400**
Consumptive use of crop	634
Consumptive use of dairy	261.9
Total consumptive use	896
C.U. supplied by canal	504
C.U. supplied by g.w.	**392**
Surface runoff	0
Recharge to aquifer	78
Aquifer net gain/loss	**-321.4**



Net reduction in annual volume from aquifer= **120.1** af

Notes:
1. Canal reliability is the average fraction of crop demand (diversion volume and c.u.) the surface water is capable of supplying.
2. Dairy usage computed from IDWR dairy worksheet

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Well Interference Analysis Southfield West Dairy

Estimated Well Drawdown Annual Pumped Vol.= 315 af Avg. Pumping Rate= 0.44 cfs (2 wells)

C.E. BROCKWAY Nov 13, 1999 Brockway Engineering P.L.L.C.

AQUIFER PROPERTIES BASED ON USBR GROUNDWATER MANUAL-FRACTURED IGNEOUS ROCK
LITHOLOGY AND LOCAL WELL LOGS

HOLE DIA. 10 IN.

USING THEIS FORMULA S=114.6*Q/T*W(U)
S= DRAWDOWN IN FT
Q= PUMPING RATE GPM
T= COEFFICIENT OF TRANSMISSIBILITY GPD/FT
W(U)= WELL FUNCTION OF 'U'

W(U)=-.5772-LOGeU +U-U^2/(2*2!)+U^3/(3*3!)-U^4/(4*4!) .....
U=1.87*r^2*S/(T*t)
r=DISTANCE IN FT. FROM CENTER OF PUMPED WELL TO DRAWDOWN POINT
S=COEFFICIENT OF STORAGE
T=COEFFICIENT OF TRANSMISSIBILITY, GPD/FT
t= TIME SINCE PUMPING STARTED, DAYS

Department of Water Resources
APPLICANT'S
Exhibit 8
Date Admitted 12/7/99 R.S.

INPUT

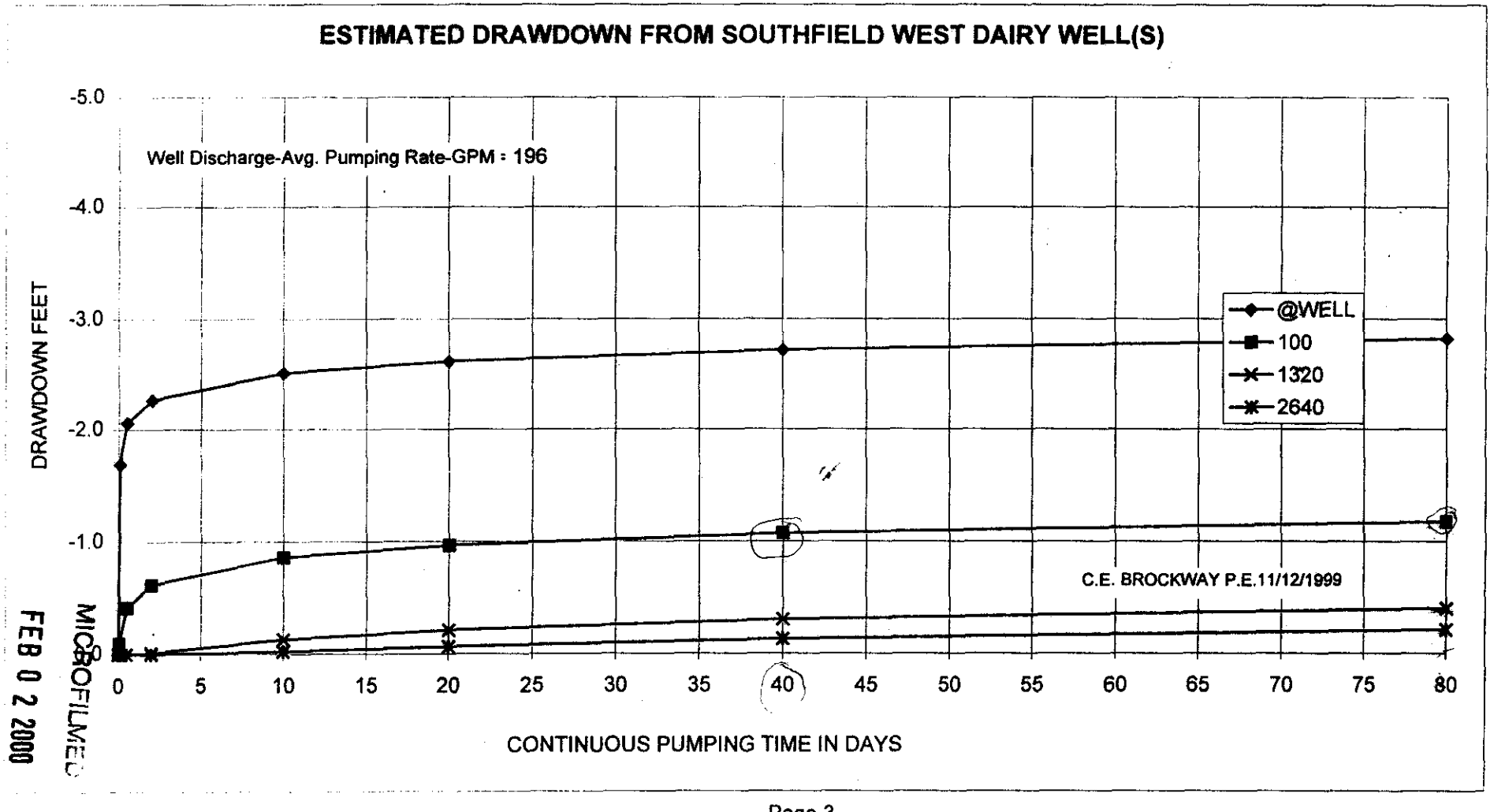
r1=	0.417 FT	K=	50.00 FT/DAY
r2=	100 FT	K=	0.0005787 CFS/FT^2
r3=	1320 FT	K=	3.73E+02 GPD/FT^2
r4=	2640 FT WRIGHT	SAT. DEPTH EST.=	400 FT
r5=	5280 FT	TRANSMISSIVITY=	149200 GPD/FT
S=	0.15	TRANSMISSIVITY	2.31E-01 FT^2/SEC
T=	149200 GPD/FT	TRANSMISSIVITY=	19946.5 FT^2/DAY
Q/WELL	**196** GPM =	**0.437** CFS	

TIME	TIME t	U w/r1	WELL FUNCT.	DRAW DOWN	SPEC. CAP	U W/r2	WELL FUNCT.	DRAW DOWN @	U W/r3	WELL FUNCT.	DRAW DOWN @	U W/r4	WELL FUNCT.	DRAW DOWN @
HOURS	DAYS	0.416666667	W(U)1	WEL	GPM/FT	100	W(U)2	100	1320	W(U)3	1320	2640	W(U)4	2640
1	0.04	7.833E-06	11.1799	1.68	116	4.512E-01	0.6236	0.09	7.862E+01	0.0000	0.00	3.145E+02	0.0000	0.00
12	0.50	6.528E-07	13.6648	2.06	95	3.760E-02	2.7408	0.41	6.552E+00	0.0000	0.00	2.621E+01	0.0000	0.00
48	2.00	1.632E-07	15.0511	2.27	86	9.400E-03	4.0992	0.62	1.638E+00	0.0817	0.01	6.552E+00	0.0000	0.00
240	10.00	3.264E-08	16.6605	2.51	78	1.880E-03	5.7011	0.86	3.276E-01	0.8414	0.13	1.310E+00	0.1333	0.02
480	20.00	1.632E-08	17.3537	2.61	75	9.400E-04	6.3934	0.96	1.638E-01	1.3893	0.21	6.552E-01	0.4074	0.06
960	40.00	8.160E-09	18.0468	2.72	72	4.700E-04	7.0860	1.07	8.189E-02	2.0054	0.30	3.276E-01	0.8414	0.13
1920	80.00	4.080E-09	18.7400	2.82	69	2.350E-04	7.7789	1.17	4.095E-02	2.6588	0.40	1.638E-01	1.3893	0.21

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Well Interference-Avg pump

HOURS	DAYS	@WELL	100	1320	2640 DISTANCE FEET
0	0.00	0	0	0	0
1	0.04	-1.68	-0.09	0.00	0.00
12	0.50	-2.06	-0.41	0.00	0.00
48	2.00	-2.27	-0.62	-0.01	0.00
240	10.00	-2.51	-0.86	-0.13	-0.02
480	20.00	-2.61	-0.96	-0.21	-0.06
960	40.00	-2.72	-1.07	-0.30	-0.13
1920	80.00	-2.82	-1.17	-0.40	-0.21



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Well Interference Analysis Southfield West Dairy

Estimated Well Drawdown **Max. Pumping Rate= 1.620 cfs (2 wells)**

C.E. BROCKWAY Nov 13, 1999 Brockway Engineering P.L.L.C.

AQUIFER PROPERTIES BASED ON USBR GROUNDWATER MANUAL-FRACTURED IGNEOUS ROCK
LITHOLOGY AND LOCAL WELL LOGS

EST. HOLE DIA. 10 IN.

USING THEIS FORMULA S=114.6*Q/T*W(U)
S= DRAWDOWN IN FT
Q= PUMPING RATE GPM
T= COEFFICIENT OF TRANSMISSIBILITY GPD/FT
W(U)= WELL FUNCTION OF 'U'

W(U)=-.5772-LOGeU +U-U^2/(2*2!)+U^3/(3*3!)-U^4/(4*4!) .....
U=1.87*r^2*S/(T*t)
r=DISTANCE IN FT. FROM CENTER OF PUMPED WELL TO DRAWDOWN POINT
S=COEFFICIENT OF STORAGE
T=COEFFICIENT OF TRANSMISSIBILITY, GPD/FT
t= TIME SINCE PUMPING STARTED, DAYS

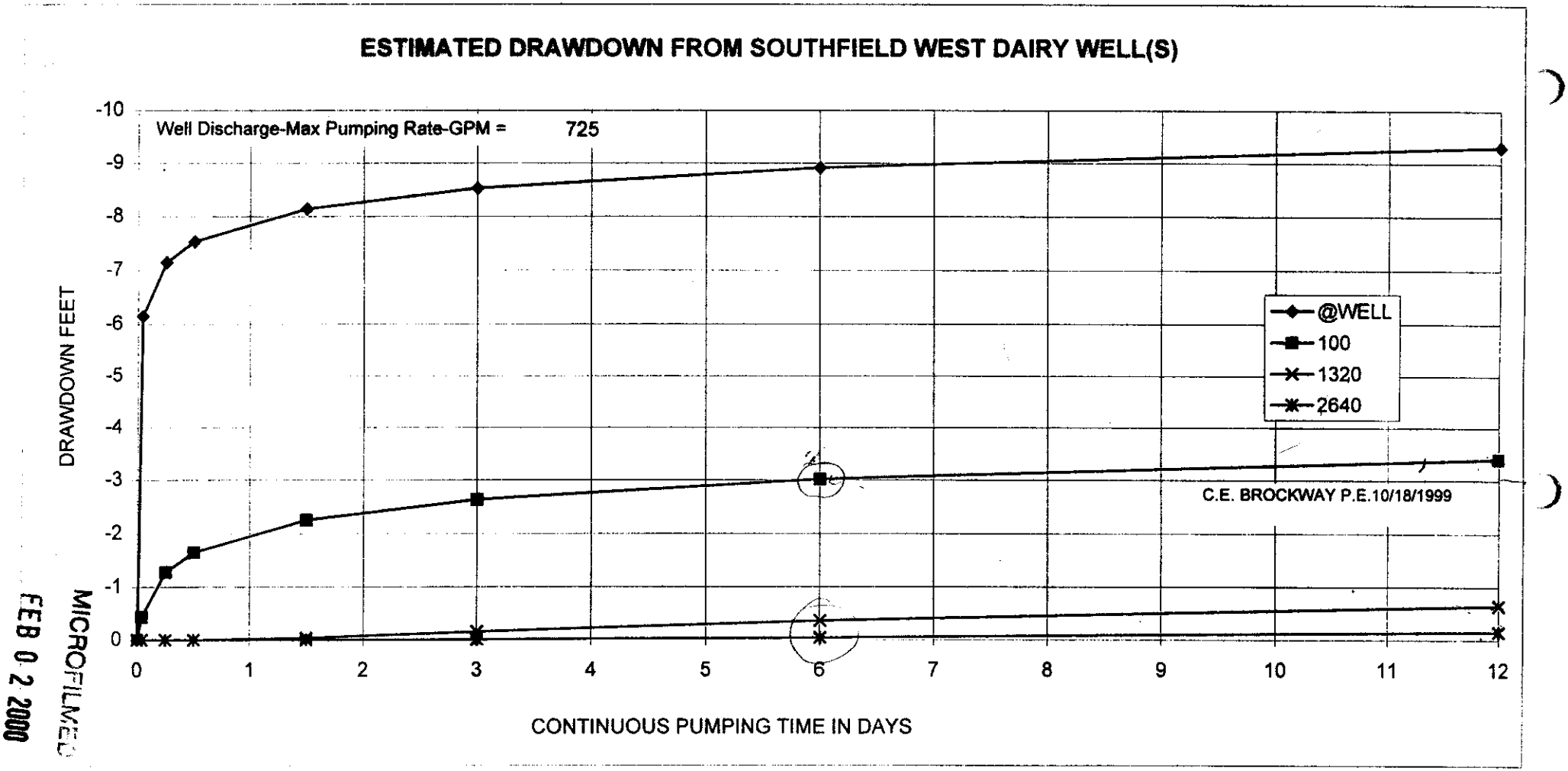
INPUT

r1=	0.500	FT	K=	50.00	FT/DAY
r2=	100	FT	K=	0.0005787	CFS/FT^2
r3=	1320	FT	K=	3.73E+02	GPD/FT^2
r4=	2640	FT WRIGHT	SAT. DEPTH EST.=	400	FT
r5=	5280	FT	TRANSMISSIVITY=	149200	GPD/FT
S=	0.12		TRANSMISSIVITY	2.31E-01	FT^2/SEC
T=	149200	GPD/FT	TRANSMISSIVITY=	19946.5	FT^2/DAY
Q/WELL	725	GPM =	**1.62** CFS		

TIME	TIME t	U w/r1	WELL FUNCT.	DRAW DOWN	SPEC. CAP	U W/r2	WELL FUNCT.	DRAW DOWN @	U W/r3	WELL FUNCT.	DRAW DOWN @	U W/r4	WELL FUNCT.	DRAW DOWN @
HOURS	DAYS	0.5	W(U)1	WEL	GPM/FT	100	W(U)2	100	1320	W(U)3	1320	2640	W(U)4	2640
1	0.04	9.024E-06	11.0384	6.15	118	3.610E-01	0.7726	0.43	6.289E+01	0.0000	0.00	2.516E+02	0.0000	0.00
6	0.25	1.504E-06	12.8302	7.14	101	6.016E-02	2.2928	1.28	1.048E+01	0.0000	0.00	4.193E+01	0.0000	0.00
12	0.50	7.520E-07	13.5233	7.53	96	3.008E-02	2.9565	1.65	5.241E+00	0.0000	0.00	2.096E+01	0.0000	0.00
36	1.50	2.507E-07	14.6219	8.14	89	1.003E-02	4.0353	2.25	1.747E+00	0.0698	0.04	6.988E+00	0.0000	0.00
72	3.00	1.253E-07	15.3151	8.53	85	5.013E-03	4.7234	2.63	8.735E-01	0.2725	0.15	3.494E+00	0.0053	0.00
144	6.00	6.267E-08	16.0082	8.91	81	2.507E-03	5.4141	3.01	4.368E-01	0.6445	0.36	1.747E+00	0.0698	0.04
288	12.00	3.133E-08	16.7014	9.30	78	1.253E-03	6.1060	3.40	2.184E-01	1.1513	0.64	8.735E-01	0.2725	0.15

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HOURS	DAYS	@WELL	100	1320	2640 DISTANCE FEET
0	0.00	0	0	0	0
1	0.04	-6.15	-0.43	0.00	0.00
6	0.25	-7.14	-1.28	0.00	0.00
12	0.50	-7.53	-1.65	0.00	0.00
36	1.50	-8.14	-2.25	-0.04	0.00
72	3.00	-8.53	-2.63	-0.15	0.00
144	6.00	-8.91	-3.01	-0.36	-0.04
288	12.00	-9.30	-3.40	-0.64	-0.15



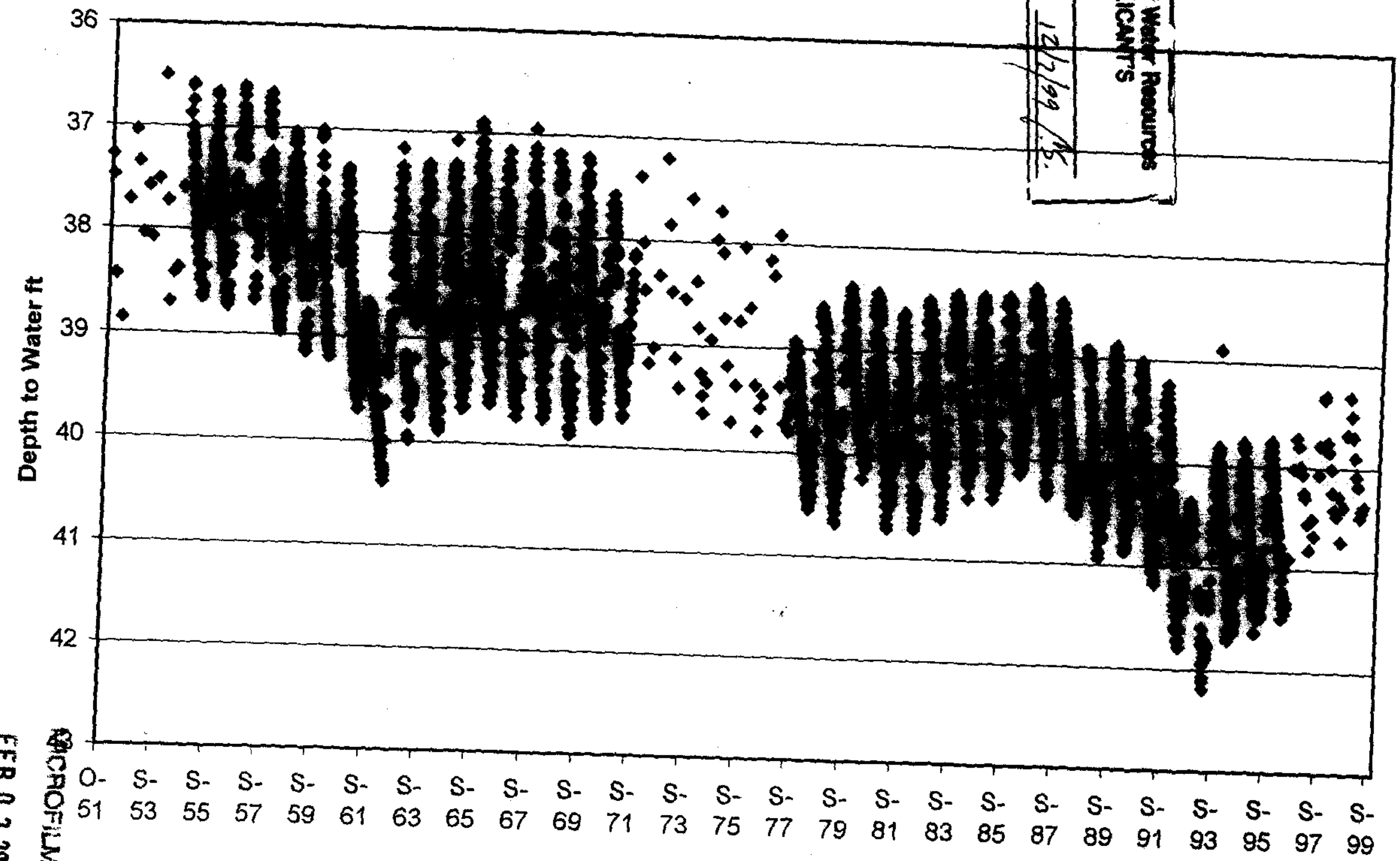
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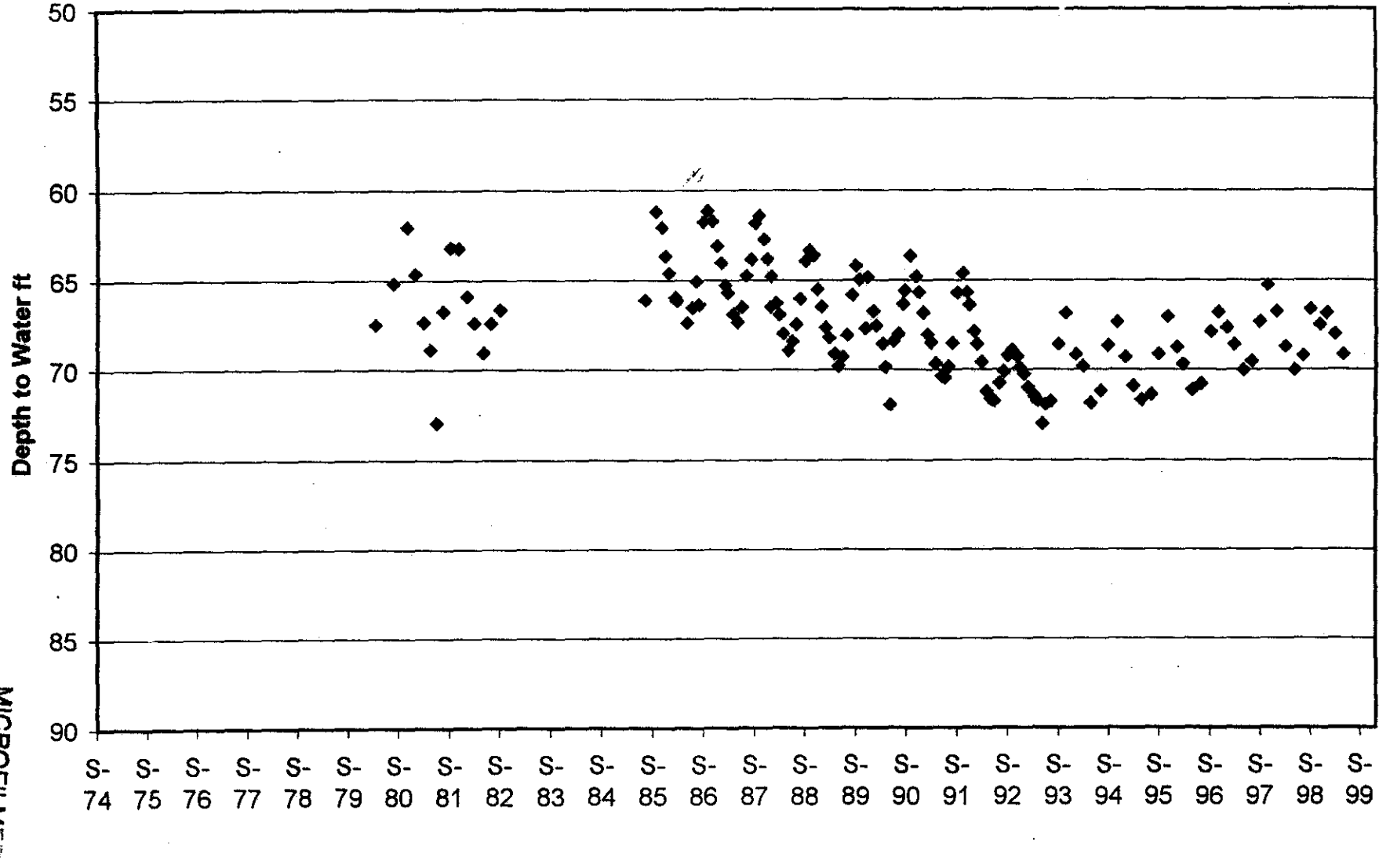
Department of Water Resources
APPLICANT'S
Exhibit 9
Date Admitted 12/7/99 /S.

Well 8S 14E 16CBB1 Gooding Co.

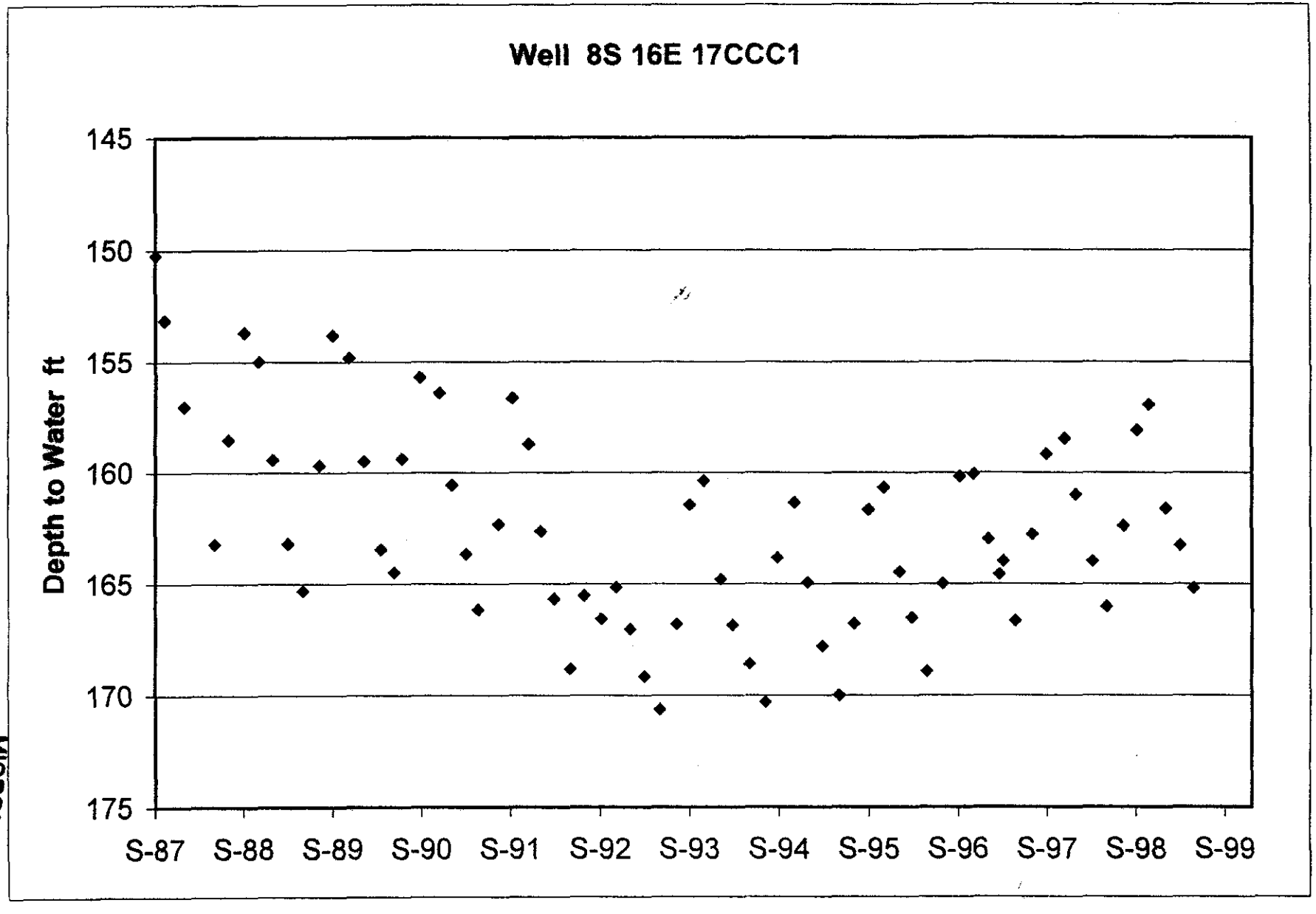


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Well 8S 14E 12CBC1



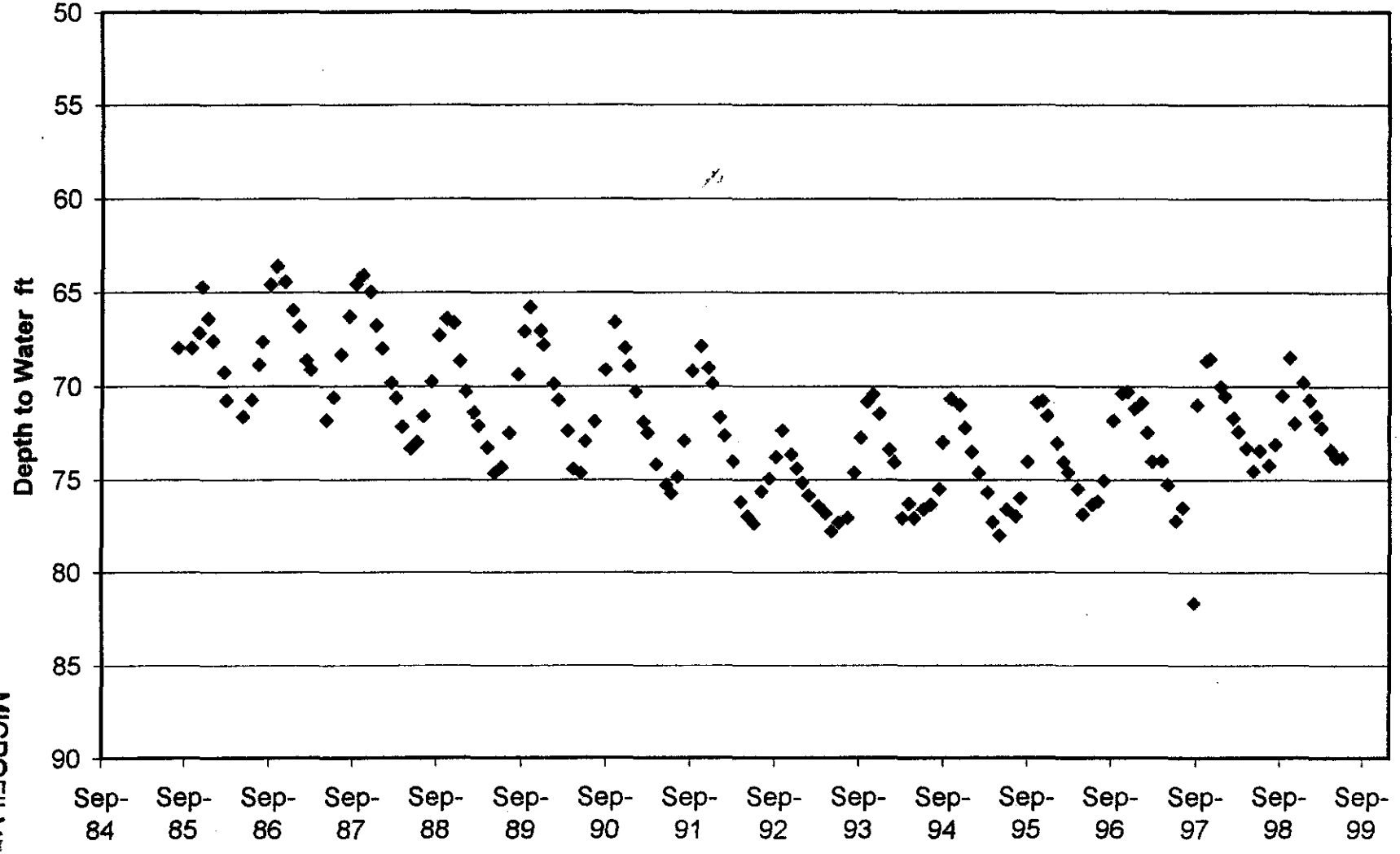
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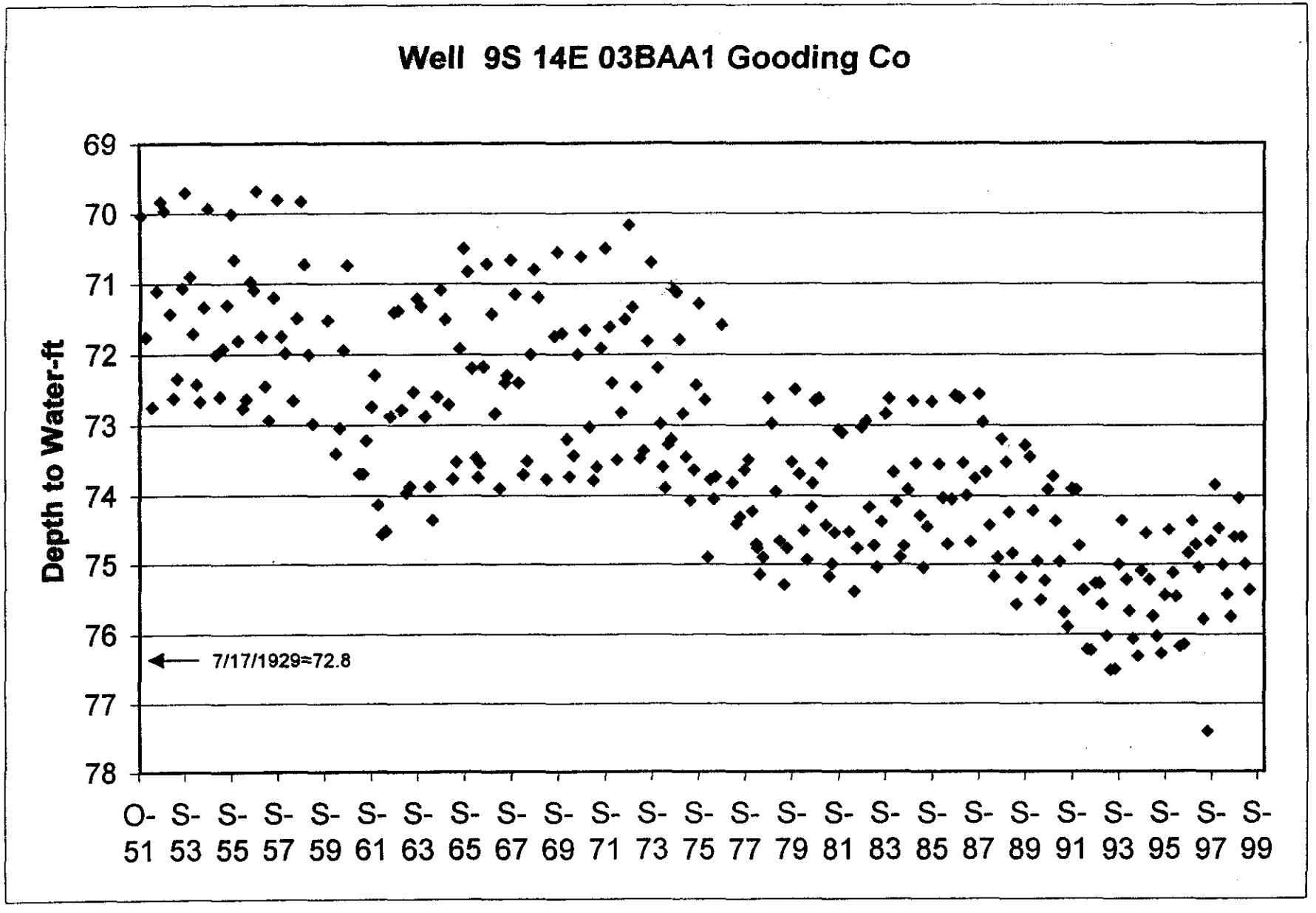


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Well 8S 15E 32CBB1





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Livestock Confinement Operations

Water Requirements and Consumptive Use Worksheet

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COMPLETE BLUE HIGHLIGHTED SECTIONS ONLY

Prepared for: Southfield
3308 So. 1600E
Wendell, ID 83355 208 536 5414

Revision: 9801
Run Date: 11/12/99

Remarks: New dairy proposed in T8S R14E Sec 10
no canal water. Water from 2 new dairy wells. 105 acres to be taken out of irrigation.

Department of Water Resources
APPLICANT'S
Exhibit 10
Date Admitted 12/7/99 J.S.

Herd Information - User Input

Number of milking cows	5200	Breed:	Large
Number of dry cows	700		
Number of other adult dry animals	0		

Calves at age:		Heifers at age:	
1 month	0	5 months	0
2 months	0	15 - 18 months	1500
3 months	0	18 - 24 months	1500
4 months	0		

ANIMAL INFORMATION
Use defaults or enter values if known

Average body weight	1400 lbs	Nearest weather station	Jerome
Milk fat percentage	3.5 %	Number of milkings/day	2
Average days dry	68		
Annual milk yield per animal	21000 lbs/year	Check: Total herd size based on days dry	3757
Percent dry matter in ration	90 %	HERD SIZE NOT CONSISTENT WITH DAYS DRY	

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	834	834	2	7.6	0.5	100	695556	670433.4	682995
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
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

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10	0	0	0	0	0	0	0	0	0
						TOTAL ACRES	15.97	15.39	15.68

Facility Information - User Input

	Holding Pen 1	Holding Pen 2	
Holding pen active	**0**	**0**	(0 = not used or nonexistent)
Number of sprinklers in pen	0	0	
Average line pressure	40	60	psi
Sprinkler nozzle size - primary	5/32	5/32	inches
Sprinkler nozzle size - secondary	3/32	0	(enter 0 for single-nozzle sprinklers)
Daily operation time of sprinklers	24	0	minutes
Percent of days per year cows are washed	0	0	%
Number of free stalls	2		
Length of each free stall	816	feet	
Width of each free stall	400	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	8300 gal	Cleaning pipeline	200 gal
Cleaning milkroom	100 gal	Cleaning equipment	50 gal
Cleaning bulk tank	150 gal		
Additional flush of holding pen (opt.)	5000 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 %

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Stockwater Component

Drinking Water Calculation for Lactating Cows

4% fat-corrected milk yield	19425	lbs/year
Daily average FCM yield	65.40	lbs/day
Daily average milk yield	70.71	lbs/day
Estimated DMI	47.60	lbs/day

METHOD 1: Kertz

Estimated total water intake (TWI)	281.4	lbs/day or
	33.7	gal/day
As-fed feed daily intake	52.9	as-fed lb/day
Water content of feed	5.29	lb/day in feed
Drinking water intake	276.1	lb/day or
	33.1	gal/day
Drinking water requirement for lactating cows	172164	gal/day
	192.9	ac-ft/year

METHOD 2: Holter and Urban

Regression equation with DMI, milk production, and dry matter %

Drinking water intake	100.8	liters/day
	26.6	gal/day
	138428	gal/day
	155.1	ac-ft/year

Maximum drinking water requirement 192.9 ac-ft/year

Drinking Water Calculation for Dry Cows

Estimated DMI	26.6	lbs/day
Average drinking water intake	13	gal/day
Average drinking water requirement	9100	gal/day
	10.2	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	9750	10.92
18-24 mo	12675	14.20
Drinking water requirement for replacement herd	22425 gpd	25.12 ac-ft/year

TOTAL STOCKWATER COMPONENT 228.2 AC-FT/YEAR

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Commercial Component

Milking Parlor Water Usage Calculation

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

Cleaning parlor floor	8300 gal	Cleaning pipeline	200 gal
Cleaning milkroom	100 gal	Cleaning equipment	50 gal
Cleaning bulk tank	150 gal	Cleaning cows	2600 gal

Total milking parlor volume	22800	gal/day
Second milking parlor volume	0	gal/day
Recycled water	0	gal/day
	25.54	ac-ft/year

Holding Pen Water Usage Calculation

	Pen 1	Pen 2	
Output of primary nozzle	4.49	5.5	gpm
Output of secondary nozzle	1.61	0	gpm
Holding pen flushing volume	0	0	gal
Additional flush volume	0	0	gal
Sprinkler volume	0	0	gal/day
Total holding pen volume	0	0	gal/day
Recycled water	0	0	gal/day

0.00 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 25.5 AC-FT/YEAR

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Consumptive Use Calculation

A. Lagoon Evaporation

Annual reference ET (Allen & Brockway , 1983)	4.51	feet	
Annual open water coeff (Kohler Nordenson Fox)	0.90		
Annual open water (lagoon) evaporation	4.06	feet	
Manual override: Input annual lagoon evap		feet	
Total lagoon water surface area at full	695556	sq. ft.	
Total lagoon bottom area	670433.4	sq. ft.	
Average surface area when water is present	682995	sq. ft. =	15.68 ac
Total lagoon evaporation	63.71	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	61942	8424	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	59811	gal/day	
Excrement c.u. attributable to drinking water	58687	gal/day	
Total milk production - assume 100% leaves site	367677	lbs/day or	44086 gal/day
Water content of milk	38355	gal/day	
Water content attributable to drinking water	37634	gal/day	
Water use for animal metabolism	75841	gal/day	
Metabolism water attributable to drinking water	74416	gal/day	
Consumptive use - replacement herd (100%)	22425	gal/day	
Total animal consumptive use from drinking water	193162	gal/day or	216.4 ac-ft/year
Percent of drinking water intake	106.6	%	

C. Parlor/holding pen cleanup

Average sprinkler washing system evap loss	2	%	
Free stall total area	652800	sq. ft. =	14.99 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	2.85	ac-ft/year	
Total cleanup loss	2.85	ac-ft/year	

D. Land application site

Crop evapotranspiration	3.29	ac-ft/ac/year
Irrigation diversion volume	4.11	ac-ft/ac/year
System efficiency	80	%
Waste water volume to lagoons	34.5	ac-ft/year

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Waste water volume available for land application	-29.2	ac-ft/year
Total crop consumptive use of waste water	-21.0	ac-ft/year

Summary

Drinking Water

Milking herd	192.9	
Non-milking herd (dry cows)	10.2	
Replacement herd (calves and heifers)	25.1	
Total drinking water volume	228.2	ac-ft/year

Commercial

Milking parlor	25.54	
Holding pen and cleanup	0.0	
Other flushing water	0.00	
Total commercial volume	25.5	ac-ft/year
TOTAL DIVERSION VOLUME REQUIREMENT	253.7	AC-FT/YR

Consumptive Use

Lagoon evaporation	63.71	
Animal milk, excretion, & metabolism	216.4	
Parlor and holding pen cleanup	2.85	
Crop consumptive use on land application	-21.0	
Total consumptive use	261.9	ac-ft/year
Percent of diversion volume consumed	103.2	%
Annual crop consumptive use - IDWR allowable	3.0	afa
Equivalent irrigated acres	87.3	acres
Diversion volume to acres conversion factor	**2.91**	**ac-ft/ac**

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EXHIBIT

11

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FEB 0 2 2000

GOODING COUNTY
NEW CAFO SITING PERMIT

Permit No.: G99-188 Date: July 28, 1999

Permission is hereby granted to: Southfield Dairy

Mailing Address: 3308 South 1600 East, Wendell, ID 83355

CAFO Address: Approx. 1449 East 3100 South, Wendell, ID 83355

Legal Description: Sections 2,3,4,9&10, Township 8 South, Range 14 EBM

Total Number of Acres: 1126.5 Acres

Total Number of Acres where CAFO is Located: Same as Above

Zoning District: Agricultural

Number of Animal Units: 7885

This permission is granted under Gooding County Confined Animal Feeding Operation Ordinance #66, Section IX. Prior to commencing construction of improvements to operate a new CAFO, increasing the animal units above the number authorized under an existing CAFO siting permit or registration notice, or commencing construction of improvements to expand animal unit capacity of the CAFO, an applicant shall obtain a siting permit pursuant to Ordinance #66. New construction, construction of improvements to expand that animal unit capacity of the CAFO, and construction on waste treatment system to change location or capacity will be required to meet the siting permit requirements. Repairs to existing improvements which do not result in a change to the location or capacity will not require a siting permit.

Building permits shall be required for all structures with the exception of three (3) sided Agricultural assessory buildings (hay, loafing, and commodity sheds). Article XVII, Section A of the Zoning Ordinance #60.

Prior to use of the expanded facilities of an existing CAFO or occupation of a new CAFO by livestock, fish, or birds, an Occupancy Certificate is required. The certificate shall certify that all facilities have been inspected and conform with the terms of the permit, with approved changes, and the permit owner is fully authorized to occupy and operate the CAFO facilities.

It is understood and agreed by the applicant that the approval of the application does not constitute a privilege to violate the Federal, State, and Local regulations and specifications.

APPROVED BY THE GOODING COUNTY PLANNING AND ZONING COMMISSION.

Dated this 29 day of July, 1999.

Judy Daubner

Judy Daubner, Administrator

Department of Water Resources
APPLICANT'S
Exhibit 11
Marked/Admitted 12/7/99 L.S.

DESCRIBED

FEB 0 2 2000



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FEB 0 2 2000

An Evaluation of the IDAHO DAIRY POLLUTION PREVENTION INITIATIVE 1996-1998

Department of Water Resources
APPLICANT'S
Exhibit 12
Date Admitted 12/7/99 LS

Prepared
by

Clark L. Gaulding
U.S. Environmental Protection Agency
Region 10
Seattle, WA

February 18, 1999

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FEB 22 1999
DAIRY BUREAU

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FEB 03 2000

land application of crop nutrients, including animal waste.

2. The program has maintained good records.

All inspections are documented in writing, and the farm operator is notified of all violation conditions at the time of the inspection (all this is prescribed in the Rules). The Program office maintains several data systems. One provides statistical details on inspections and subsequent enforcement that can be searched using a range of parameters (time, location, etc); another provides a historical summary of violations for each farm; another tracks public complaint data. Some improvements have been made over the three-year period, for instance in the amount of information available on the revocations of milk permits.

3. The rules are preventive in nature, and they go beyond the basic "no-discharge" requirements of the Federal Clean Water Act.

"Discharge violation" is defined in part as: "A practice or facility condition which has caused an unauthorized release of livestock waste into surface water, ground water, or beyond the dairy farm's property boundaries or beyond the property boundary of any facility operated by the producer." Thus, surface waters are protected "three times over": (1) directly, where the surface water exists within the boundaries of a farm; (2) indirectly, where wastes would have to run off the farm property to reach surface water; and (3)indirectly, where ground waters are hydraulically-connected to surface waters, whether on or off the farm property.

Separate and apart from discharge violations, the rules also contain the following definition: "Non-compliance: a practice or facility condition which will cause a discharge violation if left uncorrected." The program's inspection protocol identifies 12 such practices and/or conditions that include everything from the improper confinement of the animals to the improper construction, maintenance or operation of the milking center facility and the waste containment facility. The definition even treats "evidence of a past discharge" as a non-compliance violation; thus a discharge that is not observed and cited on a real-time basis can be held against the discharger if residual evidence of the discharge event is detected later.[1] The logic of the rules is that a farm that avoids so-called non-compliances will presumably run little risk of an actual discharge.

4. The rules are still in a temporary state.

It is not unusual under Idaho's administrative procedures for a rule to be temporary when first adopted. At some point, the Legislature will presumably make the rules permanent.

---

[1] This may one of the few instances in which there is some value in closing the barn door after the horse (or, cow) has gotten out!

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On a farm-specific basis:

- The number of farms receiving one or more notices/year for non-compliance violations dropped from 456 farms in 1996 (42% of the farms) to 103 in 1998 (10% of the farms).

- The number of farms receiving one or more notices/year for discharge violations dropped from 253 farms in 1996 (23% of the farms) to 29 farms in 1998 (3% of the farms). Only a portion of these would be violations of the Federal Clean Water Act discharge prohibition (see above for discussion of the Program's definition of "discharge violation".)

- The number of farms receiving multiple notices in any one year also dropped substantially over the three years.

8. Real changes are evident.

- 500 waste storage ponds and handling systems have been constructed or up-graded since the program started; essentially all farms now have the capacity to contain and store wastes.

- Over $3 million in federal funding has been spent on waste systems.

- Complaints were down 70% between the first and third year of the program.[3]

9. The program is unique.

- The regulators and the regulated are partners. The Idaho Dairymen's Association, representing the industry, agreed in the MOU to an affirmative responsibility to " .. work cooperatively with the signatory parties to achieve the objectives of this MOU."

- The cost of the regulatory program is borne directly by the dairy industry. The Dairying Bureau's milk safety program has long been funded by a mil tax levy on dairy proceeds, and the waste management regulatory effort has been incorporated into that funding arrangement.

---

[3] Based on a separate office system for tracking complaints and not on the inspection data system. Program managers believe that the inspection system under-reports complaint inspections, i.e., some inspectors are incorrectly classifying some complaint follow-up inspections as "routine" rather than as "complaint" inspections.

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ANALYSIS

The Bureau of Dairying has the assigned responsibility for the Idaho State Department of Agriculture's role under the MOU with EPA, IDEQ, and the Idaho Dairymen's Association. The Bureau developed a computer-based data system in late 1995 when the MOU took effect to document program status. The system now contains almost three years of data. That data is summarized and analyzed in Tables 1-4 and Figures 1-7 of this report.

Inspection Presence

The data and relationships described below appear in Table 1. and Figures 1. and 2.

Looking at the series of 6-month time periods in Table 1, the total number of inspections of all types ranged from a high of 1529/period to a low of 1305; the average was 1408/period, or about 2800/year. For the key category of "routine" inspections, the high was 1400, the low was 1239, and the average was 1310 (about 2600/year). The average number of farms over the three year period was 1003. Thus, on average, each farm was inspected 2.5 times as often as the minimum level required under the Rules.

The approximate number of actual inspections performed by EPA in the pre-MOU era was 80/year (or an average of 40 every six months as shown in Table 1)[5]. Thus, under the MOU, farms on average have been inspected over 32 times the actual level of inspections that was occurring prior to the MOU. Furthermore, every farm receives a routine inspection at least once every year under the MOU (and actually more often than that; see above). By comparison, it would take about 13 years to complete a single round of routine inspections with pre-MOU inspection levels.

The number of inspections per 6-month period declined during the three years of the program for all categories of inspection types. The decline was modest for the key category of *routine* inspections, and the level for the last three 6-month periods stabilized at an average of 1267 routine inspections/period (versus the 6-month average over the full three years of 1310, see above). However, when the decline in number of farms is factored in, the average frequency of inspections remained constant at the 3-year level of 2.5 the required minimum.

The decline for "non-routine" inspections of all types was more substantial according to the data in Table 1 and Figure 2: 76% for "All Non-Routine Types"; 80% for inspections triggered by complaints; and 83% for "follow-up" inspections. In theory, complaint-related inspections could decline for either or both of two reasons: complaints themselves declined, or the use of inspections as a means of responding to complaints declined. Program personnel report that complaints did decline over the course of the three years, this according to a separate complaint tracking system, but, still, the total number of complaints for the period was 233,

[5] Conversation with Bub Loiselle, Region 10 Office of Water, Compliance Unit Manager.

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IDAHO DAIRY INITIATIVE

Table 1. INSPECTION DATA

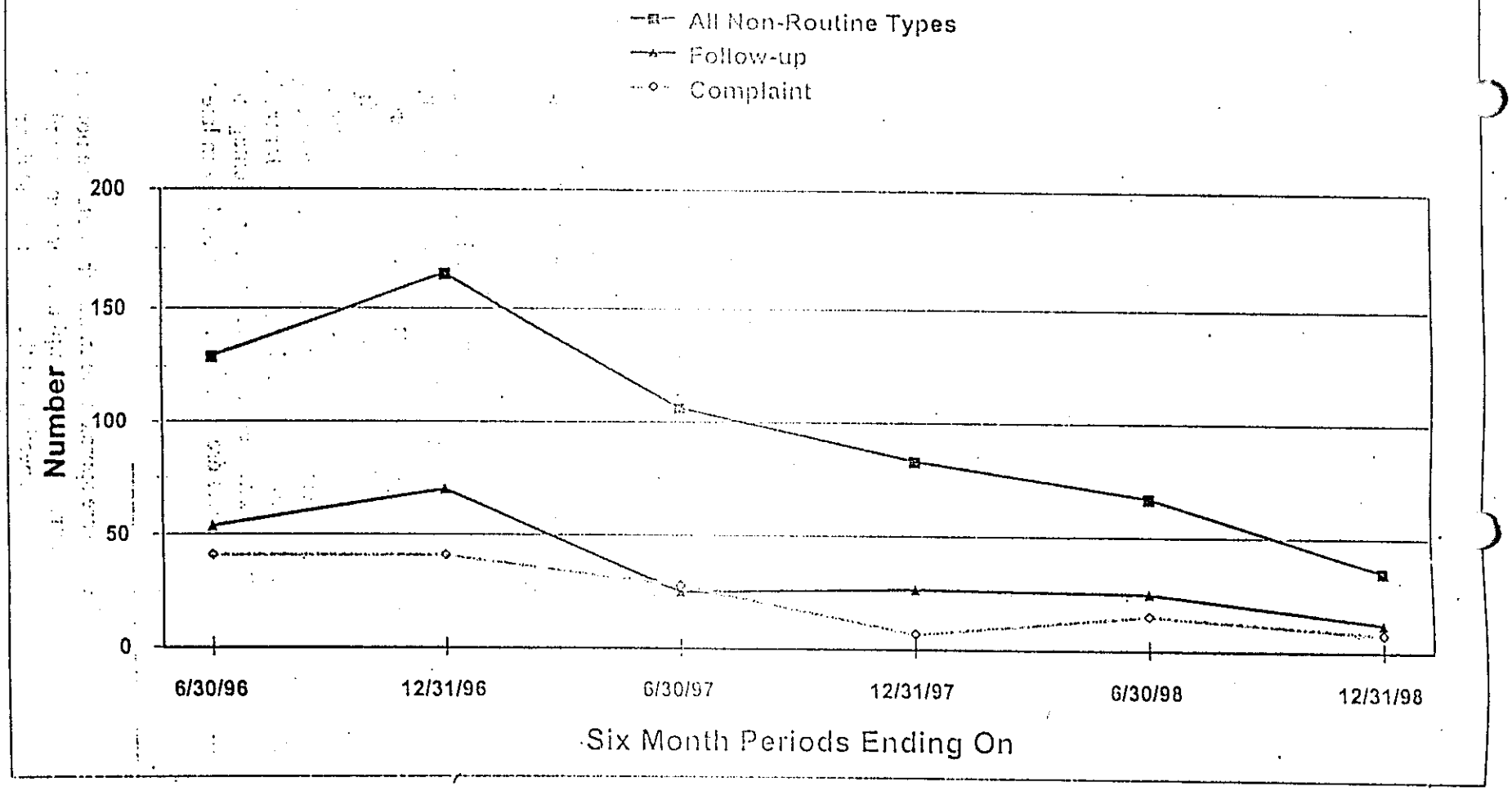
	Six Month Periods Ending On:					
	6/30/96	12/31/96	6/30/97	12/31/97	6/30/98	12/31/98
Number of Farms	1111	1074	1036	1003	994	980
Required Inspections: *	555.5	537	518	501.5	497	490
Inspections:						
Routine	1400	1348	1312	1239	1292	1271
Follow-up	54	70	25	26	25	12
Complaint	41	41	28	7	15	8
Review	3	9	9	12	6	3
Approval	31	45	45	38	21	12
All Non-Routine Types	129	165	107	83	67	35
All Types	1529	1513	1419	1322	1359	1306
Avg. Routine Inspections/Farm/ Year		2.5	2.5	2.5	2.5	2.6
Projection of Pre-MOU Level**	40	40	40	40	40	40

* Half the number of farms (rules require annual inspections & data are for 6-month periods)

** Approximate average

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Figure 2. NON-ROUTINE INSPECTIONS



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Evidence of past discharges and first notices of discharge violations exhibit a trend similar to that for non-compliances --- increasing early in the program and then declining. This seems reasonable: discharges should diminish as farmers become more practiced and diligent about how they run the farm and manage their wastes. Total first and repeat notices for discharge violations peaked at 218 in the last half of '96 and dropped to 33 for the last half of '98; this is an 85% improvement. Again using number of notices issued as a surrogate for number of farms, about 20% of the farms in existence in '96 were guilty of discharges; for the last half of '98, this drops to an estimate of 3%.

The pattern of first and second (or repeat) notices of discharge violations relative to evidence of past violations is interesting. First notices start out quite close to the number of farms with evidence of a past violation, but a gap develops between the two parameters over time as seen in Figure 5. One possible explanation is that the issuance of second or repeat notices fills in at least part of the gap. The other is that the evidence-of-past-discharge parameter may be high in the sense that persistent evidence may get reported more than once as previously pointed out. Also, the repeat notices exhibit a different pattern than most of the other data --- an increasing trend until the most recent 6-month period, whereas most other measures started dropping earlier in the program. This seems reasonable: fewer farms are receiving first notices as problems are being resolved, but some are more long-term (either by lack of effort or by the seriousness of the problem) and begin getting repeat notices as inspection frequency continues at a high level. The number of repeat notices should decline if the success of the program is maintained.

As a summary of the information on industry wide results:

- 76% Drop in Non-compliances (NC's)[7];
- 83% Drop in Discharge Violation Notices[8];
- 63 Milk Permits Revoked[9]
- $30,000 in "Permit-revoked" Milk Revenue Went to Charities in '98[10]
- 70% Drop in Complaints

[7] Any one of 12 conditions that "will cause a discharge violation".

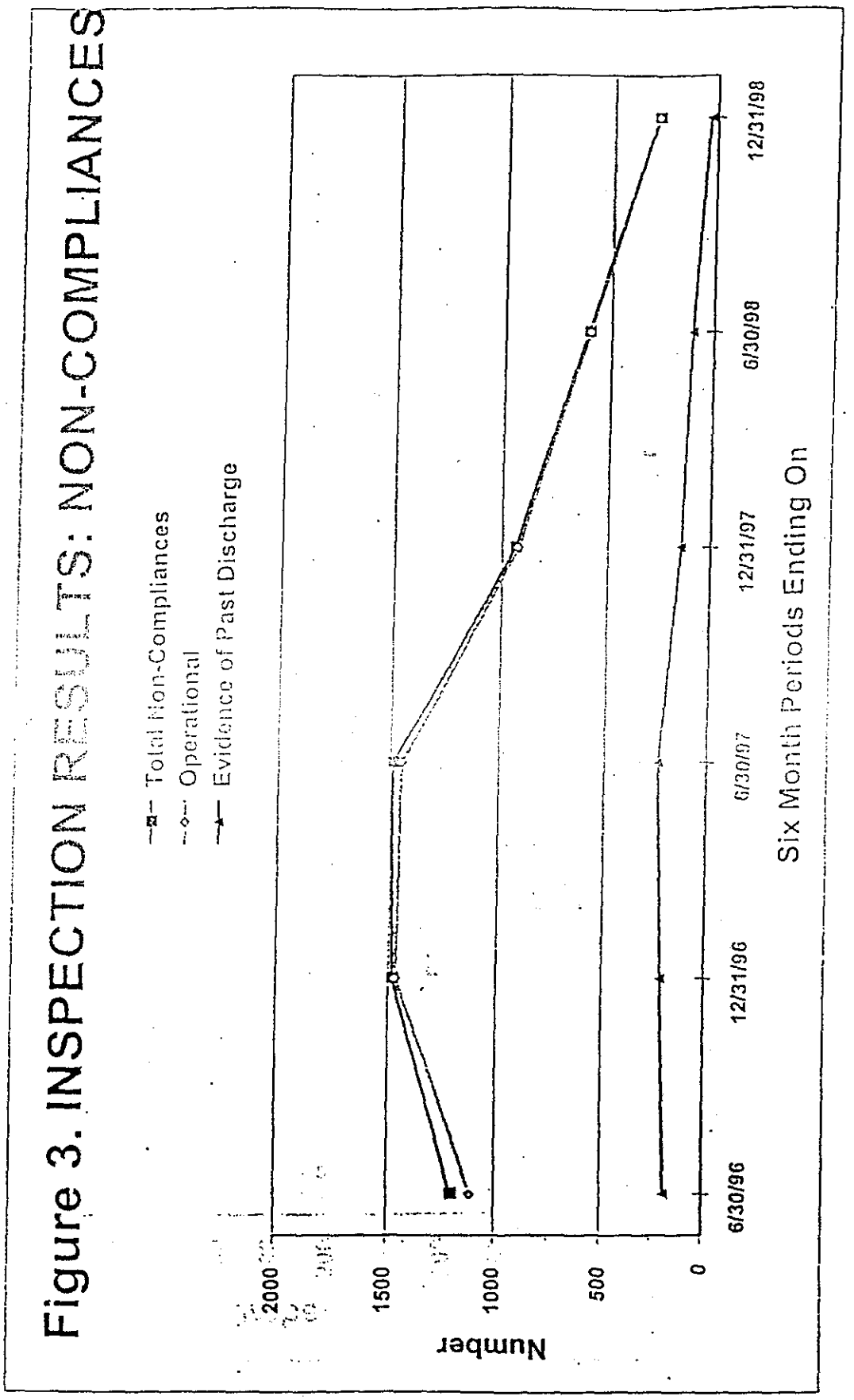
[8] Includes releases to adjacent property and/or to ground water as well as to surface water.

[9] Does not include an additional two that were initiated administratively rather than as a result of inspections.

[10] Revenue diversion occurred in prior years but accurate records were not maintained.

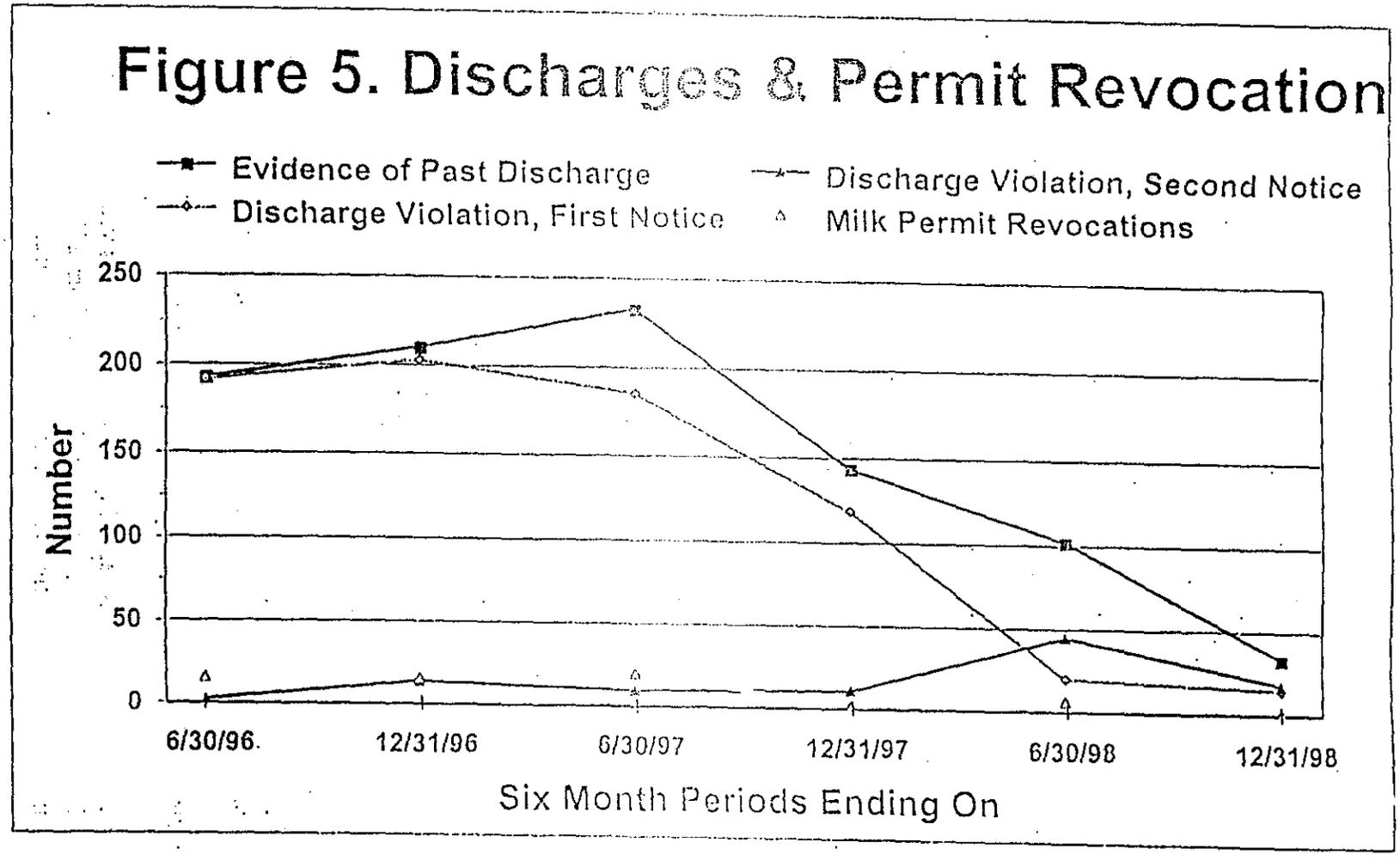
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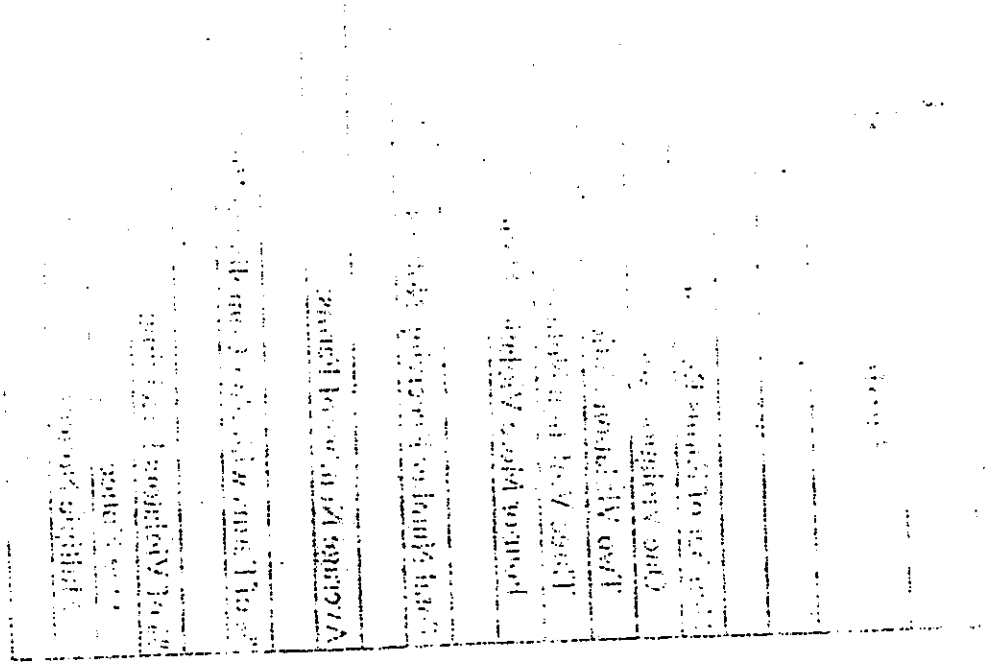
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- Same with farms rece[illegible]multiple notices/year for discharge [illegible]lations: 110 in 1996; 5 in 1998 (i e., 43% of the violators to17% of violators). Of the 5 farms that received multiple notices in 1998, four received two notices, one received three and none above that.

So, the result for individual farms, for both non-compliance and discharge types of violations, are the same --- and are what would be expected, given all the work that has been done: even with a high and fairly constant inspection presence, the number of farms receiving violation notices has dropped dramatically, and the number receiving multiple notices per year has also gone down significantly.

The data and relationships for the farm-specific analysis just described are contained in Tables 3. and 4. and in Figures 6. and 7.



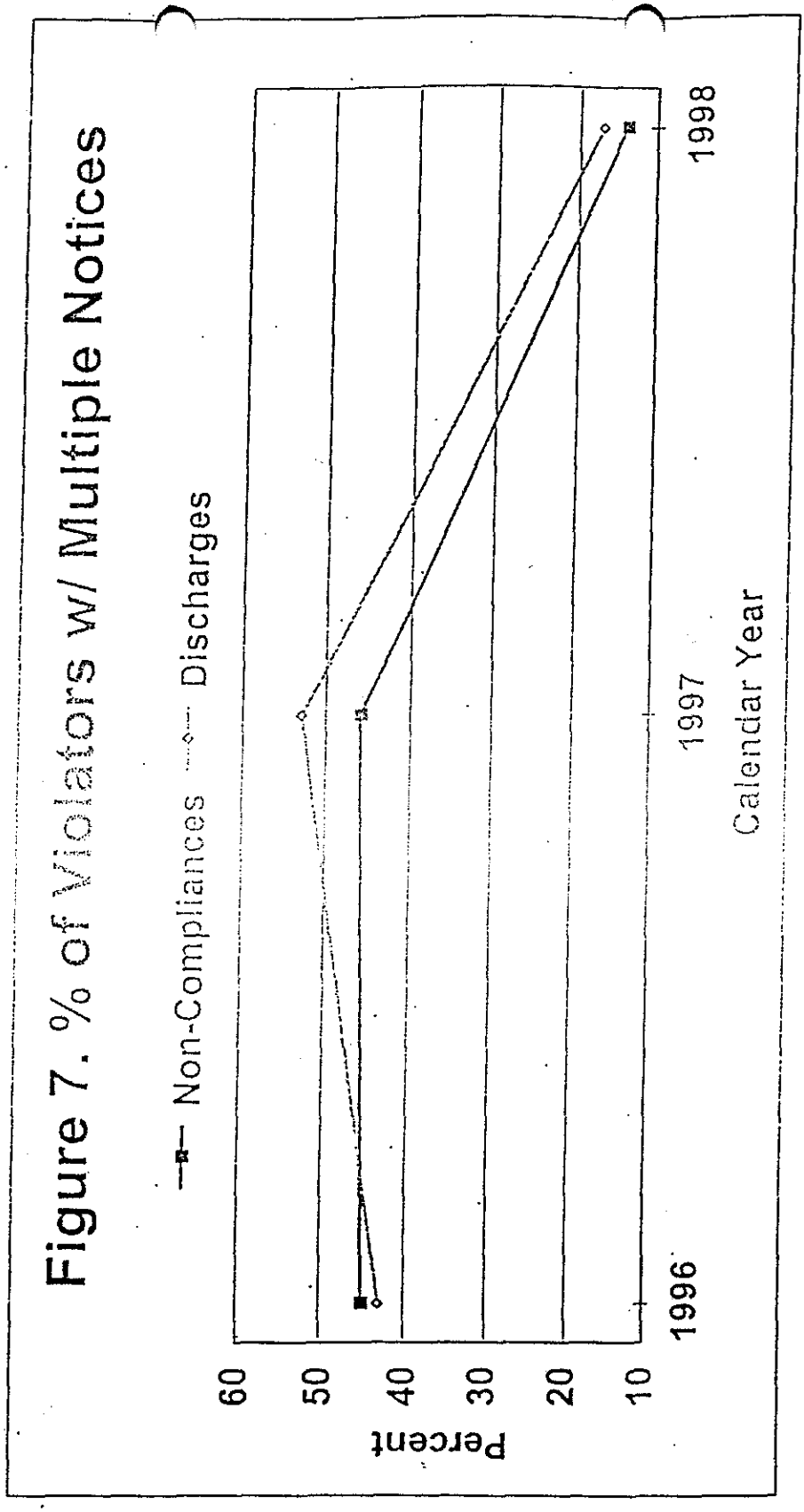
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IDAHO DAIRY INITIATIVE

Table 4. DISCHARGE VIOLATIONS: RESULTS and TRENDS

	Calendar Year		
	1996	1997	199
Number of Farms Receiving:			
One Violation Notice	143	82	24
Two Violation Notices	81	64	4
Three Violation Notices	26	26	1
Four or More Violation Notices	3	4	0
Total Number Receiving Notices:	253	176	29
Average Number of Farms:	1092.5	1019.5	987
% of Farms with Discharge Violations:	23%	17%	3%
% of Violators Receiving:			
One Notice	57	47	83
Multiple Notices	43	53	17



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EXHIBIT
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CERTIFIED PUBLIC ACCOUNTANTS

JOHNSON, DERENZIS & MORMINO LLP

GARY A. JOHNSON, C.P.A.
PHILIP J. DERENZIS, C.P.A.
FRANK M. MORMINO, C.P.A.
LISA J. CRAWFORD, C.P.A.
SUNNIE ROBLES
TAWNYA L. ORTEGA
ROSANA ALVARADO
CYNDI A. LOCKE

11/12/99

Mr. Arie Roeloffs
Southfield Dairy
3308 South 1600 East
Wendell, ID 83355

Department of Water Resources
APPLICANT'S
Exhibit 13
Date Admitted 12/7/99 P.S.

Dear Arie,

The following is an analysis of the economic impact regarding a 5,000 milk cow dairy operation for one year:

1. Feed usage i.e., hay from farmer's 14,000 tons, grain 29,200 tons, silage 18,250 tons. The cash outlay for these feed items is approximately $6,387,500 plus approximately $365,000 for 1,000 dry cows.

2. Operating Expenses:

Labor	$ 1,200,000
Straw	165,000
Milk Hauling	268,000
Advertising & Promotion	192,000
Supplies	350,000
Taxes:	
Property	100,000
Payroll	95,000
Insurance	80,000
Veterinary, breeding And medicine	180,000
Cow testing and Trimming	80,000
Total	$ 2,710,000

Of the approximate $ 9,097,500 in annual costs, the majority of these expenses will be circulated through the local communities which in turn are again regenerated by an increase in expenditures by those receiving these funds. This enables more spendable money throughout the area, which is compounded as the expenditure process is magnified as a result of this dairy operation. This results in more sales taxes generated from increased purchases from the recipients of these costs as well additional property taxes from increased purchases of homes. The local farmers benefit from having operations in the area to purchase their crops and eliminate the need to go out of the area.

In conclusion, a dairy operation of this size contributes immensely to the community with reference to employment taxes, feed purchases from farmers as well as other significant benefits from this operation.

Sincerely,

Philip J. DeRenzis, CPA

MAILING ADDRESS
P.O. BOX 669
CHINO, CA 91708
FAX (909) 627-8357

(909) 628-1276
12490 CENTRAL AVENUE, SUITE 219
CHINO, CALIFORNIA 91710

MEMBERS AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS & CALIFORNIA SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS

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EXHIBIT
14

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FEB 0 2 2000

November 15, 1999

TO WHOM IT MAY CONCERN:

My family conducts substantial row crop farming operations in the vicinity of the new Southfield Dairy, owned by the Southfield Partnership, located in Sections 3, 4, 9 and 10, Township 8 South, Range 14 EBM, in Gooding County, Idaho. We have approximately 275 acres of such ground, which is somewhat sandy in character and which would benefit from the application of manure from the dairy. Our property is in close proximity to the new dairy site. We would be receptive to receiving manure from the Southfield Dairy to apply to our lands. I understand this letter will be presented in connection with a hearing to be held before the Department of Water Resources on December 7, 1999, in connection with a water right transfer application filed by Southfield Dairy.

Very truly yours,

GREG HIRAI

Department of Water Resources
APPLICANT'S
Exhibit 14
Date Admitted 12/7/99 T.S.

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EXHIBIT
15

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RECEIVED JUN 7 1999

STATE OF IDAHO

DEPARTMENT OF AGRICULTURE

DIRK KEMPTHORNE
Governor

PATRICK A. TAKASUGI
Director

June 4, 1999

Judy Daubner
Gooding County Planning and Zoning
PO Box 417
Gooding, Idaho 83330

Re: Proposed Southfield Dairy

Dear Ms. Daubner:

The Idaho State Department of Agriculture has reviewed the preliminary site plan and specifications for the proposed Southfield Dairy located at 1449 E 3100 S, Wendell, Idaho. The plan appears to comply with state waste storage and setback requirements.

If Gooding County approves this project and construction is initiated, the Department will monitor the process to ensure compliance with waste storage construction and sanitation laws. In addition, this facility will be required to have a Department approved Nutrient Management Plan prior to obtaining a permit to sell milk for human consumption.

If you have any questions, please contact this office at (208) 332-8550.

Sincerely,

Marv Patten

Marv Patten
Bureau Chief

mb

Department of Water Resources
APPLICANT'S
Exhibit 15
Date Admitted 12/7/99 J.S.

cc: Michael Mitchell, PE, Dairy Program Manager
Jenifer Beddoes, Land Application Specialist
Mike Wiggs, State Dairy Inspector
Ed Southfield

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EXHIBIT
16

MICROFILMED

FEB 02 2000

November 15, 1999

TO WHOM IT MAY CONCERN:

My family conducts substantial row crop farming operations in the vicinity of the new Southfield Dairy, owned by the Southfield Partnership, located in Sections 3, 4, 9 and 10, Township 8 South, Range 14 EBM, in Gooding County, Idaho. We have approximately 560 acres of such ground, which is somewhat sandy in character and which would benefit from the application of manure from the dairy. Our property is in close proximity to the new dairy site. We would be receptive to receiving manure from the Southfield Dairy to apply to our lands. I understand this letter will be presented in connection with a hearing to be held before the Department of Water Resources on December 7, 1999, in connection with a water right transfer application filed by Southfield Dairy.

Very truly yours,

GLENN VANDERGIESSEN

Department of Water Resources
APPLICANT'S
Exhibit 16
Date Admitted 12/7/99 LS.

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FEB 0 2 2000

EXHIBIT
17

MICROFILMED

FEB 0 2 2000

November 15, 1999

TO WHOM IT MAY CONCERN:

My family conducts substantial row crop farming operations in the vicinity of the new Southfield Dairy, owned by the Southfield Partnership, located in Sections 3, 4, 9 and 10, Township 8 South, Range 14 EBM, in Gooding County, Idaho. We have approximately 340 acres of such ground, which is somewhat sandy in character and which would benefit from the application of manure from the dairy. Our property is in close proximity to the new dairy site. We would be receptive to receiving manure from the Southfield Dairy to apply to our lands. I understand this letter will be presented in connection with a hearing to be held before the Department of Water Resources on December 7, 1999, in connection with a water right transfer application filed by Southfield Dairy.

Very truly yours,

PAUL BORCHARD

Department of Water Resources
APPLICANT'S
Exhibit 17
Date Admitted 12/7/99

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Exhibits ~~+ Tape~~

Southfield Dairy

T5522 + T5523

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FEB 0 2 2005

WATER RIGHT NUMBER	NAME	CFS
36-02297	SOUTHFIELD DAIRY	1.82

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

TRANSFER OF WATER RIGHT

TRANSFER NO. 5523
WATER RIGHT NO(S). 36-02297/36-07377F/36-07547F

This is to certify that: **SOUTHFIELD DAIRY**
3308 S 1600 E
WENDELL ID 83355

has requested a change to the above captioned water right(s). This change in water right(s) is authorized pursuant to the provisions of Section 42-222, Idaho Code, provided the conditions listed below are met.

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Right No. 36-07377F :			
IRRIGATION	04/01 to 10/31	0.24 CFS	62.0 AF
Priority: 09/07/1973			
Right No. 36-07547F :			
IRRIGATION	04/01 to 10/31	0.35 CFS	128.0 AF
Priority: 05/13/1975			
	SUBTOTAL:	**0.49 CFS**	**128.0 AF**
Right No. 36-02297 :			
IRRIGATION	04/01 to 10/31	1.82 CFS	364.0 AF
Priority: 03/23/1956			
	TOTAL:	**2.31 CFS**	**492.0 AF**

SOURCE

GROUNDWATER

LOCATION OF POINT(S) OF DIVERSION: NENE , Sec. 9, Township 08S, Range 14E
GOODING County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
08S	14E	9	NENE	28.1	NWNE	32.9	SWNE	40	
			SENE	40					141
					Total number of acres irrigated:				141

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TRANSFER NO. 5523
WATER RIGHT NO(S). 36-02297/36-07377F/36-07547F

CONDITIONS OF APPROVAL AND REMARKS

Rights 36-02297, 36-07377F and 36-07547F are subject to the conditions of the Preliminary Order in the matter of Application for Transfer 5523.

Dated this 24th day of January, 2000.

L. Glen Saylor
Chief, Water Allocation Bureau

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FEB 0 2 2000

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NOS. 5522 & 5523 IN THE NAME OF SOUTHFIELD DAIRY	)))))	**PRELIMINARY ORDER**

This matter having come before the Idaho Department of Water Resources (the "Department") in the form of a protested application for transfer and the Department having held a conference and a hearing in the matter, the hearing officer enters the following Findings of Fact, Conclusions of Law and Preliminary Order:

FINDINGS OF FACT

1. On December 16, 1997, the Snake River Basin Adjudication (SRBA") court issued a partial decree for water right no. **36-02297** as follows:

Source:	Groundwater
Priority:	March 23, 1956
Rate of diversion:	1.82 cubic feet per second ("cfs")
Point of diversion:	SE1/4NW1/4 Section 10, T8S, R14E, B.M., Gooding County
Use:	Irrigation
Season of use:	Irrigation season*
Place of use:	91 acres in NW1/4 Section 10, T8S, R14E, B.M., Gooding County

* The season of use will be redecreed as April 1 to October 31

(Note: The "1/4" designations will be omitted from subsequent legal descriptions in this order).

2. On January 2, 1998, the SRBA court issued a partial decree for water right no. **36-07377** as follows:

Source:	Groundwater
Priority:	September 7, 1973
Rate of diversion:	2.23 cfs
Point of diversion:	NENE Section 9, T8S, R14E, B.M. (2 points), Gooding County
Use:	Irrigation

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Season of use: Irrigation season*
Place of use: 298 acres in parts of sections 3, 4 and 9, T8S, R14E, B.M., Gooding County
Conditions of Approval: - Use of this right with rights 36-04021, 36-10916 and 36-07547 is limited to a combined total of 298 acres in a single irrigation season.
- This right is limited to the irrigation of 144 acres in a single irrigation season.

* The season of use will be redecreed as April 1 to October 31

3. On January 2, 1998, the SRBA court issued a partial decree for water right no. **36-07547** as follows:

Source: Groundwater
Priority: May 13, 1975
Rate of diversion: 3.2 cfs
Point of diversion: NENE Section 09, T8S, R14E, B.M. (2 points), Gooding County
Use: Irrigation
Season of use: Irrigation season*
Place of use: 298 acres in parts of sections 3, 4 and 9, T8S, R14E, B.M., Gooding County
Conditions of Approval: - Use of this right with rights 36-04021, 36-10916 and 36-07377 is limited to a combined total of 298 acres in a single irrigation season.

* The season of use will be redecreed as April 1 to October 31

4. On June 3, 1999, Southfield Dairy ("applicant") filed Application for Transfer No. 5522 ("application") with the Department. The applicant proposes to change the nature of use of 1.62 cfs and 315 AFA of parts of water right nos. 36-07377 and 36-07547 from irrigation to stockwater and commercial uses in connection with a proposed dairy with 5,200 milking cows and 700 dry cows. The applicant proposes to divert water year-round from two new wells to be drilled in the SENW Section 10, T8S, R14E, B.M. The proposed dairy site is located within the NENW and S1/2NW Section 10, all in T8S, R14E, B.M. which was formerly irrigated by water right no. 36-02297. Liquid waste from the dairy will be applied to land within the NE Section 9, T8S, R14E, B.M. together with parts of other water rights under companion Transfer No. 5523.

5. On June 3, 1999, the applicant also filed Application for Transfer No. 5523 ("application") with the Department proposing to change the place of use of 1.82 cfs of water right no. 36-02297, 0.24 cfs of water right no. 36-07377 and 0.35 cfs of water right no. 36-07547 and create a permissible place of use for irrigation purposes. The proposed place of use is 141 acres within the NE Section 9, T8S, R14E, B.M.

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6. The remaining portions of rights 36-07377 and 36-07547 not involved in the transfers are generally described as follows:

36-07377C - 1.33 cfs in the name of Michael L. and Katherine G. Branchflower
36-07377E - 1.09 cfs in the name of Michael L. and Katherine G. Branchflower
36-07547C - 1.94 cfs in the name of Michael L. and Katherine G. Branchflower
36-07547E - 1.59 cfs in the name of Michael L. and Katherine G. Branchflower

7. The Department published notice of the application which was subsequently protested by Bill Chisholm and Larry Bay. Larry Bay subsequently withdrew his protest.

8. On December 7, 1999, the Department conducted a hearing in the matter. The applicant was present and was represented by Robert E. Williams. The protestant was present and represented himself.

9. Issues identified by the protestant are as follows:

a. The proposed changes will injure other water rights.

b. The proposed changes will constitute an enlargement in use of the original right.

c. The proposed changes are not in the local public interest.

d. The proposed changes are not consistent with the conservation of water resources within the state of Idaho.

10. Exhibits premarked, offered or accepted as a part of the record are as follows:

a. Applicant's Exhibit 1 - Southfield West Dairy Site Vicinity Plan

b. Applicant's Exhibit 2 - Dairy Site Map

c. Applicant's Exhibit 3 - Letter dated November 12, 1999 to Edwin Southfield from Marsha Neibling

d. Applicant's Exhibit 4 - Letter dated November 15, 1999 to Edwin Southfield from Jenifer Beddoes together with Animal Waste Management Planning Worksheet

e. Applicant's Exhibit 5 - Letter dated June 3, 1999 to Ed Southfield from Stephen N. Thompson

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f. Applicant's Exhibit 6 - Well Driller Reports

g. Applicant's Exhibit 7 - Analysis of Water Right Transfer to Dairy - dated November 11, 1999

h. Applicant's Exhibit 8 - Well Interference Analysis Southfield West Dairy

i. Applicant's Exhibit 9 - USGS Observation Well Data

j. Applicant's Exhibit 10 - Livestock Confinement Operations - Water Requirements and Consumptive Use Worksheet

k. Applicant's Exhibit 11 - Gooding County New CAFO Siting Permit

l. Applicant's Exhibit 12 - An Evaluation of the Idaho Dairy pollution Prevention Initiative 1996-1998 dated February 18, 1999

m. Applicant's Exhibit 13 - Letter dated November 12, 1999 to Arie Roeloffs from Phillip J. DeRenzis

n. Applicant's Exhibit 14 - Letter dated November 15, 1999 from Greg Hirai

o. Applicant's Exhibit 15 - Letter dated June 4, 1999 to Judy Daubner from Marv Patten

p. Applicant's Exhibit 16 - Letter dated November 15, 1999 from Glenn Vandergiessen

q. Applicant's Exhibit 17 - Letter dated November 15, 1999 from Paul Borchard

11. Gooding County has issued a New CAFO Siting Permit to the applicant for 7,885 animal units. (See Applicant's Exhibit 11).

12. The applicant operates an existing dairy located about 1 mile south and 4.5 miles west of Wendell, Idaho which presently milks from 5,000 to 5,200 cows.

13. The proposed new dairy is located about 3 to 4 miles from the existing dairy and will dry up about 100 to 105 acres of irrigated land. The cost of feed which will be purchased locally for the new dairy is estimated to be in excess of 6 million dollars. Neighbors have agreed to take solid waste generated by the dairy.

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14. Corrals are maintained by scraping rather than by flushing. Water is used about 3 times before it is discharged to the liquid waste facility.

15. The rate of diversion, consumptive use and total volume of water diverted will not be larger after the transfers than before the transfers. (See Applicant's Exhibit 7).

16. Using an average annual pumping rate of 0.44 cfs, which is the continuous diversion rate to provide the required annual volume of water, over a pumping period of 80 days, the estimated drawdown in a well 1/4 mile distant from the dairy wells is 0.4 feet. Using a maximum pumping rate of 1.62 cfs for 12 days, the estimated drawdown in a well 1/4 mile distant from the dairy wells is about 0.6 feet. (See Applicant's Exhibit 8).

17. The protestant is concerned that the concentration of dairies in the general vicinity of the applicant's proposed dairy and the cumulative effect of the dairies upon air quality, water quality and the overall environment. The protestant believes the application is not in the local public interest.

18. The protestant does not have or claim water rights which will be affected by the proposed dairy.

19. The protestant did not introduce technical evidence to show that the proposal of the applicant will injure other water rights, will enlarge the use of water under the right being transferred, is not in the local public interest or is not consistent with the conservation of water resources within the state of Idaho.

CONCLUSIONS OF LAW

1. Section 42-222, Idaho Code, provides in pertinent part as follows:

> The director of the department of water resources shall examine all the evidence and available information and shall approve the change in whole, or in part, or upon conditions, provided no other water rights are injured thereby, the change does not constitute an enlargement in use of the original right, and the change is consistent with the conservation of water resources within the state of Idaho and is in the local public interest as defined in section 42-203A(5), Idaho Code; ....

2. The applicant carries the burden of coming forward with evidence that the proposed change will not injure other water right holders, that it will not constitute an enlargement of the use and will be consistent with principles of conservation of the water of the state of Idaho.

3. Both the applicant and the protestant have the responsibility of coming

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forward with evidence regarding matters of public interest of which they are each most cognizant.

4. The applicant has the ultimate burden of persuasion for all of the criteria of Section 42-222, Idaho Code.

5. The proposed changes will not injure other water rights.

6. The proposed changes do not constitute an enlargement in use of the original right.

7. The proposed changed uses of water are as efficient as other similar uses of water for irrigation and dairy uses within the area and are consistent with the local public interest and conservation of water resources within the state of Idaho.

8. The Department should approve the applications with certain conditions.

ORDER

IT IS THEREFORE, hereby ORDERED that Application for Transfer Nos. 5522 and 5523 in the name of Southfield Dairy are **APPROVED** subject to the following conditions:

T5522

1. The right holder shall design and construct the dairy facility to assure that it is capable of complying with the resource protection requirements of the Division of Environmental Quality of the Idaho Department of Health and Welfare and of the Idaho Department of Agriculture. Within one year of this approval, the right holder shall provide information to the Department that the facility has been constructed to meet these compliance requirements. The Director can extend the time for demonstrating compliance upon written request of the applicant and a showing of good cause therefor.

2. Prior to diversion of water under this approval, the right holder shall install measuring devices acceptable to the Department and shall measure and annually report to the Department the amount (cfs and AF) of water diverted under this transfer. Reporting through a measuring district or a ground water district will suffice although the Director may require more frequent measuring and reporting.

3. The water used for commercial purposes under this approval is applied to and irrigates land listed in the place of use to satisfy water quality requirements. Water diverted under this approval shall not be used for

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irrigation unless the water is first beneficially used in the dairy as authorized by this approval.

4. Rights 36-07377D and 36-07547D when combined shall not exceed a total diversion rate of 1.62 cfs and a total annual maximum diversion volume of 315 AF.

5. The right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

6. The right holder shall accomplish the change authorized by this transfer within one (1) year of the date of this approval.

7. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.

8. Two points of diversion are located within the SENW Section 10, T8S, R14E, B.M.

T5523

1. Prior to diversion of water under this approval, the right holder shall install measuring devices acceptable to the Department and shall measure and annually report to the Department the amount (cfs and AF) of water diverted under this transfer. Reporting through a measuring district or a ground water district will suffice although the Director may require more frequent measuring and reporting.

2. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 AFA per acre at the field headgate for irrigation of the lands above.

3. Right 36-02297 is limited to the irrigation of 91 acres within the place of use described above in a single irrigation season.

4. Right 36-07547F is limited to the irrigation of 32 acres within the place of use described above in a single irrigation season.

5. Rights 36-07377F and 36-07547F when combined shall not exceed a total diversion rate of 0.49 cfs, a total annual maximum diversion volume of 128 AF at the field headgate, and the irrigation of 32 acres.

6. The right holder shall use the full allotment of appurtenant shares of surface water provided by the North Side Canal Co. Ltd. in conjunction with groundwater diverted under right 36-02297 and shall only divert

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groundwater under 36-02297 when water from the appurtenant surface water rights cannot be delivered to the right holder.

7. Right 36-07377F is limited to the irrigation of 15.5 acres within the place of use described above in a single irrigation season.

8. The right holder shall accomplish the change authorized by this transfer within one (1) year of the date of this approval unless extended for cause by the Director.

9. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.

10. If the surface water right(s) appurtenant to the place of use is sold, transferred or used on any other place of use, right 36-02297 to divert groundwater shall not be used without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.

11. The period of use for the irrigation described in this approval may be extended to a beginning date of March 15 and an ending date of November 15 provided that beneficial use of the water can be shown and other elements of the right are not exceeded. The use of water before April 1 and after October 31 is subordinate to all water rights having no subordinated early or late irrigation use and a priority date earlier than the date of this transfer approval.

Signed this 30th day of December, 1999.

L. GLEN SAXTON
Hearing Officer

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CERTIFICATE OF MAILING

I hereby certify that on the **30th** day of **December, 1999**, I mailed a true and correct copy, postage prepaid, of the foregoing **PRELIMINARY ORDER** to the person(s) listed below:

RE: Preliminary order for Transfers 5522 & 5523

ROBERT E WILLIAMS
FREDERICKSEN WILLIAMS & MERSERVY
PO BOX 168
JEROME ID 83338-0168

BILL CHISHOLM
19073 E HWY 30
BUHL ID 83318

Kari Lynn Townsend
Secretary

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Transfer No. 5523

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1

RECEIVED
JUN 03 1999
Department of Water Resources
Southern Region

lame of applicant Southfield Dairy Phone 208536-5414

'ost Office address 3308 So 1600 E Wendell ID 83355

I. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use
   ☐ Change nature of use ☐ Change period of use ☒ Other SPLIT RIGHTS X36-07377A & X36-07547A CREATE PPU
2. Describe the reason for the proposed changes To Move Irrigation rights

II. 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
36-02297	M 03/23/1956	1.82 cfs	IRRIGATION	04/01 to 10/31
X36-07377A	H 09/07/1973	0.24 cfs	IRRIGATION	04/01 to 10/31
X36-07547A	H 05/13/1975	0.35 cfs	IRRIGATION	04/01 to 10/31
				to

2. Total amount of water being transferred 2.31 cubic feet per second and/or _____ acre-feet per annum.
3. Source of water Ground Water tributary to N/A
4. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
	NW	NE	NE	9	8S	14E	Gooding	Existing Irrigation Well

5. Lands irrigated or place of use: LIMITED TO 123 ACRES WITHIN 141 PPU * P.S.

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
8S	14E	9	28.1	29	40	40													141

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141

T 5523

PART 1

6. General Information:

a. Description of diversion system Existing Well Directly tied into pivot and Hand Lines

b. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts? _____ Yes X 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 affect on the land now irrigated if the place of use is changed pursuant to this transfer:

Will not be Irrigated Due To Construction of Dairy

d. Remarks:

Note that X36-073776 and X36-075476 portions Are Not Supplimental rights. North Side Canal Water and Dairy Waste Water Will Also Be Used to Irrigate The Entire 141 Acres

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____.

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TRANS NO. 5523

PART 2

A. DESCRIPTION OF RIGHT AS RECORDED:

Claim No. **36-02297**

STAGE: **DECREED**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	04/01 to 10/31	1.82 CFS	364.0 AF

SOURCE

GROUNDWATER

Priority: 03/23/1956

LOCATION OF POINT(S) OF DIVERSION: SESENW , Sec. 10, Township 08S, Range 14E
GOODING County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
08S	14E	10	NENW	15	NWNW	3	SWNW	36	
			SENW	37					91
					Total number of acres irrigated:				91

CONDITIONS/REMARKS:

1. RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
2. USE OF THIS RIGHT IS COMBINED WITH WATER FROM NORTH SIDE CANAL CO. LTD.

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TRANS NO. 5523

PART 2

A. DESCRIPTION OF RIGHT AS RECORDED:

Water Right No. **X36-07377A**

STAGE: LICENSE

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE
IRRIGATION	04/01 to 10/31	2.12 CFS

SOURCE

GROUNDWATER

Priority: 09/07/1973

LOCATION OF POINT(S) OF DIVERSION: NENENE , Sec. 9, Township 08S, Range 14E
NWNENE , Sec. 9, Township 08S, Range 14E
GOODING County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
08S	14E	3	NWSW	33	SWSW	39	SESW	2	74
		4	NESE	33	SWSE	2	SESE	37	72
		9	NENE	32	NWNE	33	SWNE	33	
			SENE	39					137
					Total number of acres irrigated:				283

CONDITIONS/REMARKS:

1. RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
2. RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
3. THIS RIGHT IS LIMITED TO THE IRRIGATION OF 136.7 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
4. RIGHT NO. 36-07547A IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE, AND THE TOTAL COMBINED RATE OF DIVERSION OF THESE RIGHTS IS LIMITED TO 4.36 CFS.
5. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS ALSO LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.66 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1132 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 849 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 283 ACRES IN A SINGLE IRRIGATION SEASON.
6. COMBINED RIGHT NOS.: 36-04021, 36-10916, AND 36-07547A.

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PART 2

Transfer No. 5523

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 0.24 cfs (cfs/ac-ft) for Irrigation purposes from 04/01 to 10/31
   amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
	NE	NE	NE	9	8S	14E	Gooding	
	NW	NE	NE	9	8S	14E	Gooding	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
8S	14E	9	32																32

Total acres 32

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

1. amount 1.88 cfs (cfs/ac-ft) for Irrigation purposes from 04/01 to 10/31
   amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____
   amount _____ (cfs/ac-ft) for _____ purposes from _____ to _____

2. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
	NE	NE	NE	9	8S	14E	Gooding	
	NW	NE	NE	9	8S	14E	Gooding	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
8S	14E	3										33	39	2					74
8S	14E	4													33		2	37	72
8S	14E	9		33	33	39													105

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Total ac 251

TRANS NO. 5523

PART 2

A. DESCRIPTION OF RIGHT AS RECORDED:

Water Right No. **X36-07547A**

STAGE: **LICENSE**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE
IRRIGATION	04/01 to 10/31	3.08 CFS

SOURCE

GROUNDWATER

Priority: 05/13/1975

LOCATION OF POINT(S) OF DIVERSION: NENENE , Sec. 9, Township 08S, Range 14E
NWNENE , Sec. 9, Township 08S, Range 14E
GOODING County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
08S	14E	3	NWSW	33	SWSW	39	SESW	2	74
		4	NESE	33	SWSE	2	SESE	37	72
		9	NENE	32	NWNE	33	SWNE	33	
			SENE	39					137
						Total number of acres irrigated:			283

CONDITIONS/REMARKS:

1. RIGHT INCLUDES ACCOMPLISHED CHANGE IN POINT OF DIVERSION PURSUANT TO SECTION 42-1425, IDAHO CODE.
2. RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO SECTION 42-1425, IDAHO CODE.
3. RIGHT NO. 36-07377A IS ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE, AND THE TOTAL COMBINED RATE OF DIVERSION OF THESE RIGHTS IS LIMITED TO 4.36 CFS.
4. USE OF THIS RIGHT WITH RIGHTS LISTED BELOW IS ALSO LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 5.66 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1132 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 849 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 283 ACRES IN A SINGLE IRRIGATION SEASON.
5. COMBINED RIGHT NOS.: 36-04021, 36-10916, AND 36-07377A.

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PART 2

Transfer No. 5523

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

_____ 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 0.35 cfs for Irrigation purposes from 04/01 to 10/31
   (cfs/ac-ft)
   amount _____ for _____ purposes from _____ to _____
   (cfs/ac-ft)
   amount _____ for _____ purposes from _____ to _____
   (cfs/ac-ft)

2. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
	NE	NE	NE	9	8S	14E	gooding	
	NW	NE	NE	9	8S	14E	Gooding	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
8S	14E	9	32																32

Total acres 32

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

1. amount 2.73 cfs for Irrigation purposes from 04/01 to 10/31
   (cfs/ac-ft)
   amount _____ for _____ purposes from _____ to _____
   (cfs/ac-ft)
   amount _____ for _____ purposes from _____ to _____
   (cfs/ac-ft)

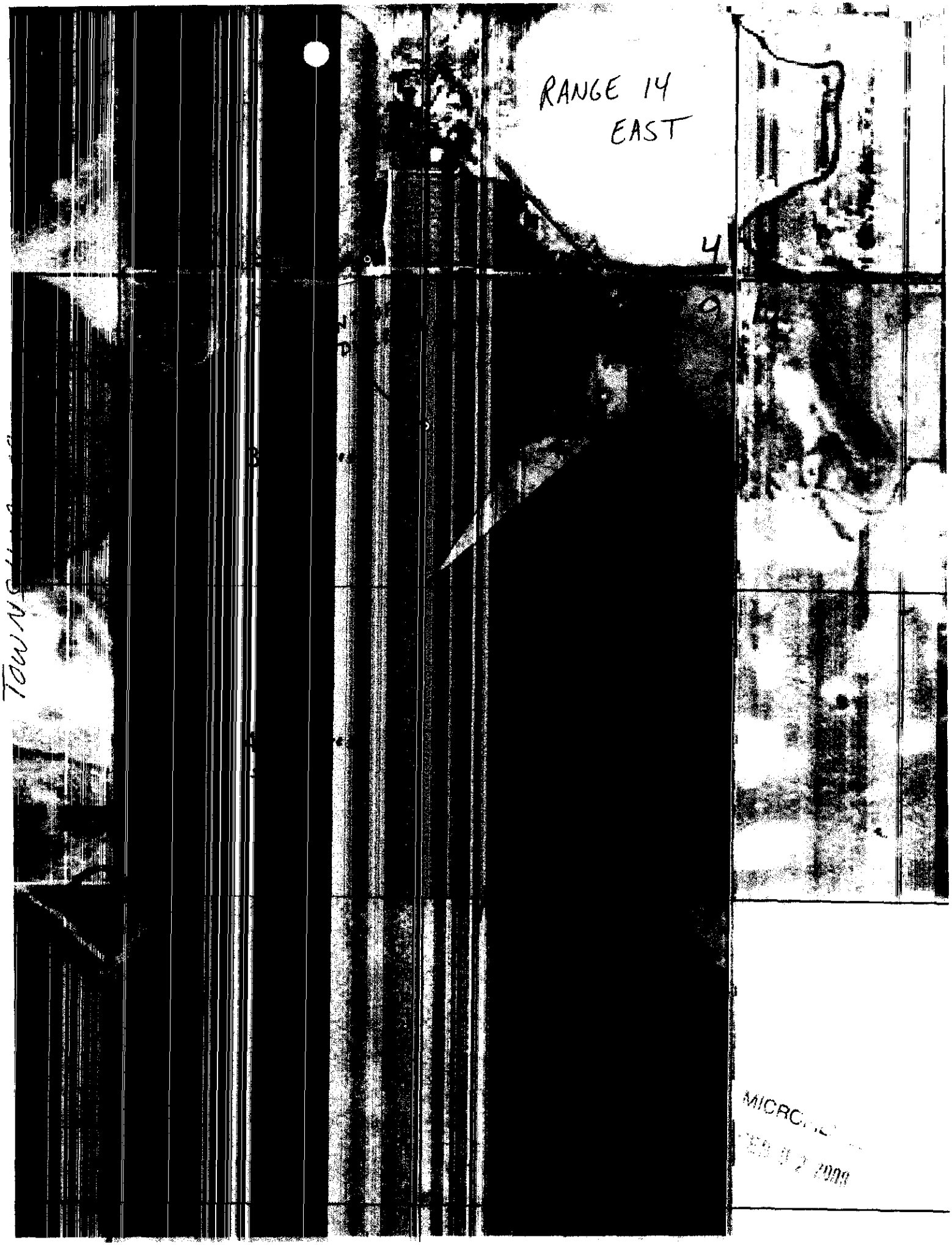
2. Point(s) of Diversion:

Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Local name for diversion
	NE	NE	NE	9	8S	14E	Gooding	
	NW	NE	NE	9	8S	14E	Gooding	

3. Lands irrigated or place of use:

Twp.	Rge.	Sec.	NE ¼				NW ¼				SW ¼				SE ¼				Totals
			NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	
8S	14E	3										33	39	2					74
8S	14E	4													33		2	37	72
8S	14E	9		33	33	39													105

Total acres 251



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T # 5523

PART 3

B. CHANGES IN NATURE OF USE

1	New Nature of Use	Amount (cfs/ac-ft)	Hours/days/year	Period of Use
				to
				to

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

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

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.

JEANIE ROBERTSON NOTARY PUBLIC STATE OF IDAHO

Southfield Dairy by Ann Rolfe
(Signature of Applicant)

Subscribed and sworn to before me this 3rd. day of June, 19 99.

Jeanie Robertson
(Notary Public)

My commission expires 9-23-2000

FOR DEPARTMENT USE ONLY

Transfer contains 9 pages and 2 attachments

Received by C. SKINNER Date 6/3/99 Protest filed by

Prelim. check by C. SKINNER Fee $100.00 S022237

Receipted by C. SKINNER Date 6/3/99

Published in Reading Co. Leader Copies of protest forwarded by

Pub. dates 8/19 & 8/26/99 Hearing held by Date

Watermaster recommendation requested on N/A Recommended for ☐ approval ☐ denial

rec'd. by

Copy of transfer sent to lien holder

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STATE OF IDAHO COUNTY OF GOODING 1500665
Filed for record at the request of Gooding Title
57 min. past 3 o'clock P m. this 24th
of May 19 99 9.00
By Penny Archibald Deputy

WARRANTY DEED

FOR VALUE RECEIVED,

DENNIS S. LEHMANN, a single man, the "Grantor", does hereby grant, bargain, sell and convey unto **SOUTHFIELD DAIRY**, an Idaho general partnership, **ED SOUTHFIELD and CAROL SOUTHFIELD**, husband and wife, **EDWIN SOUTHFIELD and PATRICIA SOUTHFIELD**, husband and wife, **ARIE ROELOFF and CORA LEE ROELOFF**, husband and wife, Partners, whose address is 1446 River Road, Buhl, ID 83316, Idaho, the "Grantee", the following described premises located in Gooding County, Idaho, to wit:

See Exhibit "A," attached hereto.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee, its heirs and assigns forever. The said Grantors do hereby covenant to and with the said Grantee, that they are the owners of said premises; that they will warrant and defend the same from all lawful claims whatsoever, except as hereinabove specifically provided, and the specific exceptions listed below:

1. General taxes for 1999 are an accruing lien and not yet due or payable.

2. Levies and assessments due Gooding County for Solid Waste.

3. Liens, levies and assessments of the American Falls Reservoir District and the rights, powers and easements of said District as by laws provided. Said assessments are included in the taxes.

4. Liens, levies and assessments of the North Side Canal Company and the rights, powers and easements of said Company, as by law provided.

5. Canals and laterals of North Side Canal Company and Subject to the rights of ingress and egress.

6. Boundary Agreement upon the terms, conditions and provisions contained therein for the purpose of boundary line fence dated August 15, 1977, by and between Carol Lehmann and Irene Lehmann, husband and wife, and Lyndell S. Lehmann dealing with his sole and separate property, recorded August 18, 1977, as Instrument No. 66118.

DATED this 24 day of May, 1999.

Dennis S Lehmann
DENNIS S. LEHMANN

C:\Marie's Files\Real Estate\lehmann.wd

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FEB 02 2000

Post-it™ brand fax transmittal memo 7671 # of pages ▸ 3
To Co. From Co.

T# 5523

EXHIBIT A

Township 8 South, Range 14, East of the Boise Meridian, Gooding County, Idaho

Section 10: The Northwest Quarter.

EXCEPTING THEREFROM the following described parcel of land:

COMMENCING at the Northwest corner of the Northwest Quarter of said Section 10;
Thence running due East along the North boundary of said Section 10 a distance of 208.71 feet;
Thence running due South parallel with the West boundary of said Section 10 a distance of 1,043.55 feet;
Thence running due West parallel with the North boundary of said Section 10 a distance of 208.71 feet to a point on the West boundary;
Thence running due North along said West boundary of said Section 10 a distance of 1,043.55 feet to the TRUE POINT OF BEGINNING.

SUBJECT TO County Road rights of way along the North boundary.

Together with 30 shares of North Side Canal water.

Together with State of Idaho, Department of Water Resources water right/claim #36-02297, 36-04246, 36-10676, #36-10586.

MICROFILMED
FEB 0 2 2000

STATE OF IDAHO)
)ss.
County of ~~Jerome~~ Gooding)

On this 24 day of May, 1999, before me, the undersigned, a Notary Public in and for said County and State, personally appeared DENNIS A. LEHMANN known to me to be the person whose name is subscribed to the within and foregoing instrument, and who acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and seal, the day and year in this certificate first above written.

NOTARY PUBLIC for Idaho
Residing at: Twin Falls
Commission Expires: 7-25-2002

JARROD T. BALL NOTARY PUBLIC STATE OF IDAHO

MICROFILMED

FEB 02 2000

178651

STATE OF IDAHO COUNTY OF GOODING

Filed for record at the request of GOODING TITLE & ESCROW

02 min. past 4 o'clock P m. this 6th

of January in 99 3300

By Penny Archibald Deputy

G980401

WARRANTY DEED

FOR VALUE RECEIVED, **MICHAEL G. BRANCHFLOWER a/k/a MICHAEL GLENN BRANCHFLOWER and KATHERINE L. BRANCHFLOWER a/k/a KATHY L. BRANCHFLOWER**, husband and wife, the Grantors, do hereby grant, bargain, sell and convey unto **SOUTHFIELD DAIRY, an Idaho general partnership composed of ED SOUTHFIELD and CAROL SOUTHFIELD, husband and wife; EDWIN SOUTHFIELD and PATRICIA SOUTHFIELD, husband and wife; ARIE ROELOFFS and CORA LEE ROELOFFS, husband and wife,** the Grantees, whose address is 3308 South 1600 East, Wendell, Idaho 83355, the following described premises, to-wit:

See Attached Exhibit "A"

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantees, their heirs, successors and assigns forever. And the said Grantors do hereby covenant to and with the said Grantees, that the Grantors are the owners in fee simple of said premises; that said premises are free from all encumbrances except those of record or apparent and that Grantors will warrant and defend the same from all lawful claims whatsoever.

DATED this 5th day of January, 1999.

Michael G. Branchflower, a/k/a
Michael Glenn Branchflower

Katherine L. Branchflower, a/k/a
Kathy L. Branchflower

MICROFILMED

FEB 0 2 2000

WARRANTY DEED

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 1

To Co. | From

T# 5523

STATE OF IDAHO)
: ss.
COUNTY OF ~~TWIN FALLS~~ GOODING)

On this 5th day of January, 1999, before me, the undersigned, a Notary Public in and for the State of Idaho, personally appeared Michael G. Branchflower and Katherine L. Branchflower, husband and wife, known to me to be the persons whose names are subscribed to the within instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.



Notary Public for Idaho
Residing at Twin Falls, ID
Commission Expires: 7-25-2002

MICROFILMED
FEB 0 2 2000

EXHIBIT A

G980401/BRANCHFLOWER

Page 1

PARCEL NO. 1:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 3: The Northeast Quarter of the Southeast Quarter;

EXCEPTING THEREFROM that portion deeded to State of Idaho, for highway purposes by Right of Way Deed recorded August 30, 1944 in Book 35 Page 512, records of Gooding County, Idaho.

PARCEL NO. 2:

Township 8 South, Range 14, East of the Boise Meridian, Gooding County, Idaho

Section 2: Lots 1, 2, 3, the South one-half of the Northeast Quarter and that part of the Southeast Quarter of the Northwest Quarter, described as follows:

COMMENCING at the Northeast corner of said Southeast Quarter of the Northwest Quarter;
Thence West along the North line of said Southeast Quarter of the Northwest Quarter to the Northwest corner thereof;
Thence South along the West line thereof 12 rods;
Thence Easterly to a point on the East line of said Southeast Quarter of the Northwest Quarter which point is 17 rods South of the Northeast corner thereof;
Thence North along the said East line 17 rods to the POINT OF BEGINNING.

EXCEPTING THEREFROM the following described parcel:

Township 8 South, Range 14, East of the Boise Meridian, Gooding County, Idaho

Section 2: Part of Government Lot 1, described as follows:

BEGINNING at the Northeast corner of Section 2, the TRUE POINT OF BEGINNING;
Thence South 0°11' East 331.56 feet along the Easterly boundary of Section 2;
Thence South 89°37'20" West 43.50 feet;

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EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
Page 2

Thence South 0°11' East 38.00 feet;
Thence South 89°37'20" West 217.22 feet;
Thence North 0°11' West 369.56 feet to the Northerly boundary of Section 2;
Thence North 89°37'20" East 260.72 feet along the Northerly boundary of Section 2 to the TRUE POINT OF BEGINNING

SUBJECT TO a 15.00 feet in width access easement described as follows:

BEGINNING at the Northeast corner of Section 2;
Thence South 0°11' East 354.56 feet along the Easterly boundary of Section 2 to the TRUE POINT OF BEGINNING;
Thence South 89°37'20" West 43.50 feet;
Thence South 0°11' East 15.00 feet;
Thence North 89°37'20" East 43.50 feet to the Easterly boundary of Section 2;
Thence North 0°11' West 15.00 feet along the Easterly boundary of Section 2 to the TRUE POINT OF BEGINNING.

EXCEPTING AND RESERVING UNTO GRANTOR A PIPELINE EASEMENT for Maintenance described as follows:

BEGINNING at the Northeast corner of Section 2;
Thence South 0°11' East 55.20 feet along the Easterly boundary of Section 2 to the center of a 10.00 feet in width irrigation pipeline easement;
Thence South 67°54'32" West 163.31 feet along the center of said Easement;
Thence South 41°36'19" West 163.87 feet along said center of Easement to the afore described Westerly property boundary.

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EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
PAGE 3

PARCEL NO. 3:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 3: The Southeast Quarter of the Northeast Quarter, **EXCEPT** the West 66 feet of the Southwest Quarter of the Southeast Quarter of the Northeast Quarter;

AND EXCEPT that portion deeded to the State of Idaho for public highway contained in Highway Right of Way Deed recorded August 12, 1944 in Book 35 Page 501, records of Gooding County, Idaho.

PARCEL NO. 4:

Township 8 South, Range 14, East of the Boise Meridian, Gooding County, Idaho

Section 2: The South one-half of the Northwest Quarter,

EXCEPTING THEREFROM the following tract of land:

BEGINNING at the Northeast corner of the Southeast Quarter of the Northwest Quarter of said Section 2;
Thence West 80 rods to the Northwest corner thereof;
Thence South along the West line thereof 12 rods;
Thence in a Southeasterly direction to a point on the East line of said Southeast Quarter of the Northwest Quarter 17 rods South of the Northeast corner thereof;
Thence North along said East line 17 rods to the POINT OF BEGINNING.

EXCEPT highway right of way as set forth in Deeds to the State of Idaho, recorded November 11, 1941 in Book 33 of Deeds at Page 193 and recorded November 15, 1941, in Book 33 of Deeds at Page 195, records of said County.

AND EXCEPTING THEREFROM the following described parcel located in the Southwest Quarter of the Northwest Quarter, described as follows:

COMMENCING at the West quarter corner of Section 2 a distance of 772.60 feet on a

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FEB 0 2 2000

EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
PAGE 4

bearing of North 0°25'37" East along the West boundary of said Section 2;
Thence a distance of 33.00 feet on a bearing of South 89°34'23" East to the East boundary of a county road; said point being the REAL POINT OF BEGINNING;
Thence from this Real Point of Beginning and along said East boundary of a county road a distance of 551.15 feet on a bearing of North 0°25'37" East to the North boundary of the Southwest Quarter of the Northwest Quarter of said Section 2;
Thence along the said North boundary of the Southwest Quarter of the Northwest Quarter a distance of 505.08 feet on a bearing of South 89°46'25" East;
Thence a distance of 266.11 feet on a bearing of South 0°25'37" West to the centerline of an irrigation lateral;
Thence along the said centerline of an irrigation lateral the following courses and distances:
South 50°52'49" West 109.12 feet;
South 38°58'43" West 151.51 feet;
South 79°59'18" West 116.83 feet;
South 52°21'06" West 64.17 feet;
South 77°07'08" West 165.54 feet to the REAL POINT OF BEGINNING.

PARCEL NO. 5:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 3: The West one-half of the Southwest Quarter;

Section 4: The East one-half of the Southeast Quarter;

EXCEPTING THEREFROM a portion of the South one-half of the Southeast Quarter, described as follows:

Beginning at the Southwest corner of the Southeast Quarter of the Southeast Quarter;
Thence North 0°08' West along the West line of said Southeast Quarter of the Southeast Quarter, 410.60 feet to THE TRUE POINT OF BEGINNING;
Thence South 86°40' East, 97.00 feet;
Thence North 4°04' East, 349.51 feet;
Thence North 77°09' West, 298.67 feet to the center line of the North Side Canal Company Lateral;

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EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
PAGE 5

Thence following the center line of the North Side Canal Company Lateral the following courses:
Thence South 13°32' West, 54.50 feet;
Thence South 32°01' East, 55.00 feet;
Thence South 3°00' West, 77.20 feet;
Thence South 46°56' West, 31.30 feet;
Thence South 8°13' West, 201.22 feet;
Thence South 86°40' East, leaving the North Side Canal Company Lateral, 209.17 feet, more or less, to THE TRUE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM a portion of the South one-half of the Southeast Quarter of said Section 4, described as follows:
That portion of the South one-half of the Southeast Quarter, Section 4 lying Southwest of the Southwest boundary of that certain right of way for ingress and egress set out in Instrument No. 147811, recorded February 24, 1992, records of Gooding County, Idaho, described as follows:
A right-of-way for ingress and egress, 10 feet on each side of the following described center line over Southeast Quarter of the Southeast Quarter;
Beginning 550.94 feet West of the Southeast corner of Section 4;
Thence North 44°33'11" West, 857.21 feet to the above described tract, all in Section 4, Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho.

PARCEL NO. 6:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 9: The North one-half of the Northeast Quarter;
The South one-half of the Northeast Quarter;

EXCEPTING THEREFROM the following described parcel of land:

Beginning at the Northeast corner of Section 9;
Thence West 709 feet along the Northerly boundary of Section 9;
Thence South parallel to the East boundary of Section 9, 410 feet;
Thence East parallel to the Northern boundary of Section 9, 709 feet;
Thence North along the Eastern boundary of Section 9, 410 feet TO THE TRUE POINT OF BEGINNING.

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EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
PAGE 6

PARCEL NO. 6A:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 9: A parcel of land located in the Northeast Quarter of the Northeast Quarter, described as follows:

Beginning at the Northeast corner of Section 9;
Thence West 709 feet along the Northerly boundary of Section 9;
Thence South parallel to the East boundary of Section 9, 410 feet;
Thence East parallel to the Northern boundary of Section 9, 709 feet;
Thence North along the Eastern boundary of Section 9, 410 feet TO THE TRUE POINT OF BEGINNING.

PARCEL NO. 7:

Township 8 South, Range 14 East of the Boise Meridian, Gooding County, Idaho

Section 3: The East one-half of the Southwest Quarter;

Section 3: That part of the Southwest Quarter of the Southwest Quarter of the Southeast Quarter, described as follows:

Beginning at the Southwest corner of said Southwest Quarter of the Southwest Quarter of the Southeast Quarter;
Thence North along the West line of the Southwest Quarter of the Southwest Quarter of the Southeast Quarter, 500 feet;
Thence East parallel with the South line of said Southwest Quarter of the Southwest Quarter of the Southeast Quarter, 605 feet;
Thence South parallel with the West line of said Southwest Quarter of the Southwest Quarter of the Southeast Quarter, 500 feet to the South line of said Southwest Quarter of the Southwest Quarter of the Southeast Quarter;
Thence West along the South line of said Southwest Quarter of the Southwest Quarter of the Southeast Quarter, 605 feet to the POINT OF BEGINNING.

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EXHIBIT A - CONTINUED
G980401/BRANCHFLOWER
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AND that part of the Southeast Quarter of the Southeast Quarter, described as follows:

Beginning at the Northwest corner of the Southeast Quarter of the Southeast Quarter, said point being THE TRUE POINT OF BEGINNING;
Thence South along the West boundary of said Southeast Quarter of the Southeast Quarter, 341.00 feet;
Thence Northeasterly to a point on the North boundary of the Southeast Quarter of the Southeast Quarter, said point lies 205.00 feet East of the Northwest corner of the Southeast Quarter of the Southeast Quarter;
Thence West along the North boundary of the Southeast Quarter of the Southeast Quarter, 205.00 feet to TRUE POINT OF BEGINNING.

AND that part of the Southwest Quarter of the Southeast Quarter, described as follows:

Beginning at the Northeast corner of the Southwest Quarter of the Southeast Quarter;
Thence North 89°43'13" West, 500.00 feet along the Northerly boundary of the Southwest Quarter of the Southeast Quarter;
Thence South 70°36'49" West, 104.00 feet to a point 35 feet South of the Northerly boundary of the Southwest Quarter of the Southeast Quarter;
Thence North 86°57'45" West, 727.33 feet to the Northwest corner of the Southwest Quarter of the Southeast Quarter;
thence South 0°01'48" West, 811.28 feet along the Westerly boundary of the South half of the Southeast Quarter;
Thence South 89°36'37" East, 605.00 feet;
Thence South 0°01'48" West, 502.50 feet to a point in the Southerly boundary of Section 3;
Thence East along the South boundary of the Southwest quarter of the Southeast Quarter to the Southeast corner of the Southwest Quarter of the Southeast Quarter;
Thence North along the East boundary of the Southwest Quarter of the Southeast Quarter to the Northeast corner of the Southwest Quarter of the Southeast Quarter, THE POINT OF BEGINNING.

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EXHIBIT A - CONTINUED
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PAGE 8

EXCEPTING THEREFROM that part of the Southwest Quarter of the Southeast Quarter, described as follows:

Commencing at the Southeast corner of the Southwest Quarter of the Southeast Quarter;
Thence North along the East boundary of the Southwest Quarter of the Southeast Quarter, 527.00 feet to THE TRUE POINT OF BEGINNING;
Thence South along the East boundary of the Southwest Quarter of the Southeast Quarter, 527.00 feet to the Southeast corner of the Southwest Quarter of the Southeast Quarter;
Thence West along the South boundary of the Southwest Quarter of the Southeast Quarter, 590.00 feet;
Thence Northeasterly 785.00 feet, more or less, to THE TRUE POINT OF BEGINNING.

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E FOREGOING PARCELS

PARCEL NO. 1

36-08313a

PARCEL NO. 2

23 Shares Northside Canal Company

36-02517A
36-08560A
36-02517B
36-07460E
36-08560B

PARCEL NO. 3

36-08313A

PARCEL NO. 4

36-8582
36-8560A
36-02517A

PARCEL NO. 5

36-07377A
36-07547A (less the water right for five acres for that parcel which is appurtenant to the approximate five acres described in the second exception set out in the legal description to parcel 5)
Waste Water Rights 36-04021, and 36-10916

PARCEL NO. 6

36-07377A
36-07547A
Stock Water 36-10383

PARCEL NO. 7

36-07460B
36-15219B
36-08252E
36-08063C
Stock Water 36-10926

MICROFILM
FEB 0 7 2000

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

In Re SRBA	)	PARTIAL DECREE PURSUANT TO I.R.C.P. 54(b) FOR
Case No. 39576	)	Water Right 36-02297

1997 DEC 29 PM 3:02

DISTRICT COURT - SRBA
TWIN FALLS CO., IDAHO

NAME & ADDRESS:	DENNIS LEHMANN RT 1 WENDELL ID 83355
SOURCE:	GROUNDWATER
QUANTITY:	1.82 CFS 364.0 AFY
PRIORITY DATE:	03/23/1956
POINT OF DIVERSION:	T08S R14E S10 SESENW Within GOODING County

PURPOSE AND PERIOD OF USE:	PURPOSE OF USE	PERIOD OF USE	QUANTITY
	IRRIGATION	Irrigation Season	1.82 CFS 364.0 AFY

PLACE OF USE:	IRRIGATION T08S R14E S10 91 ACRES TOTAL	Within GOODING County NENW 15	NWNW 3	SWNW 36	SENW 37

RULE 54(b) CERTIFICATE

With respect to the issues determined by the above judgment or order, it is hereby CERTIFIED, in accordance with Rule 54(b), I.R.C.P., that the court has determined that there is no just reason for delay of the entry of a final judgment and that the court has and does hereby direct that the above judgment or order shall be a final judgment upon which execution may issue and an appeal may be taken as provided by the Idaho Appellate Rules.

DANIEL C. HURLBUTT, JR.
PRESIDING JUDGE
Snake River Basin Adjudication

SRBA Decree

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FEB 0 2 2000

This right has been superceded by a Decree.

All actions above this point are based on the decreed version of this right.

MICROFILMED

5899

State of Idaho
License and Certificate of Water Right

Water License No. G-26272 Amount 2.0 c.f.s.

Water District No. Priority March 23, 1956

THIS IS TO CERTIFY that KENNETH J. and PEARL LEHMANN of Wendell, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated March 23, 1956; that Permit No. G-26272 was issued under said application; that Certificate of Completion of works, with a carrying capacity of 2.0 second feet, was issued thereunder on January 22, 1957, showing that said works were completed on the 18th day of May, 1956; and that on the 18th day of May, 1956, KENNETH J. and PEARL LEHMANN of Wendell, State of Idaho, made proof to the satisfaction of the State Reclamation Engineer of Idaho, of the right to use the waters of a well, pump & ditches, ~~a tributary of~~ Underground, for the purpose of Irrigation, under Use Permit No. G-26272 of the Department of Reclamation and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume 9 of Licenses at page 5899, on the 22nd day of January, 1957;

The right hereby confirmed dates from March 23, 1956;

The Point of Diversion is located in the SE corner ~~NW~~ NW ¼, Sec. 10, Tp. 8 S., R. 14 E., B. M. County Gooding

That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 2.0 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
8 S.	14 E.	10	NE¼ NW¼	40	30
			NW¼ NW¼	40	13
			SW¼ NW¼	40	35
			SE¼ NW¼	40	40
			Total number of acres to be irrigated		118

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this 22nd day of January, 1957.

/s/ Mark R. Kulp
State Reclamation Engineer.

(SEAL)

36 2297

5900

State of Idaho
License and Certificate of Water Right

Water License No. 24192 Amount 1.0 c.f.s.

Water District No. Priority June 4, 1953

THIS IS TO CERTIFY that EDWARD J. CONNOLLY, JR.

of Pocatello, Idaho, made application for a permit to appropriate the public waters of the State of Idaho, dated June 4, 19 53; that Permit No. 24192 was issued under said application; that Certificate of Completion of works, with a carrying capacity of 1.0 second feet, was issued thereunder on January 22, 19 57, showing that said works were completed on the 22nd day of November, 19 54; and that on the 22nd day of November, 19 54, EDWARD J. CONNOLLY, JR.

of Pocatello, State of Idaho, made proof to the satisfaction of the State Reclamation Engineer of Idaho, of the right to use the waters of Mary Franklin Mine Springs, a tributary of Snake River, for the purpose of Fish Culture, under Use Permit No. 24192 of the Department of Reclamation and that said right to the use of said waters has been perfected in accordance with the laws of Idaho, and is hereby confirmed by the State Reclamation Engineer of Idaho and entered of record in Volume 9 of Licenses at page 5900, on the 22nd day of January, 1957;

The right hereby confirmed dates from June 4, 19 53;

The Point of Diversion is located SW corner of Lot 7 in the ~~NW~~ ~~NE~~, Sec. 11, Tp. 8 S., R. 30 E., B. M. County Power

That the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually needed and beneficially used for said purposes, and shall not exceed 1.0 cubic feet per second.

Description and location of use:

Twp.	Range	Sec.	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
8 S.	30 E.	11	S½ of NW¼ NE¼	for Fish Culture	

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described, as provided by the laws of Idaho.

WITNESS the seal and signature of the State Reclamation Engineer, affixed at Boise, Idaho, this 22nd day of January, 19 57.

/s/ Mark R. Kulp
State Reclamation Engineer.

(SEAL)

A. 26272

36-2297

APPLICATION FOR PERMIT

To Appropriate the Subterranean Waters of The State of Idaho

Application No. G-34162
Permit No. G- 26272
District No.

Kenneth J. Lehmann
Wendell, Idaho

1. **Name of Applicant:** KENNETH J. LEHMANN and PEARL LEHMANN

   Postoffice address: Wendell **County:** Gooding **State:** Idaho

2. **Quantity of water claimed:** 2.0 cubic feet per second

   (a) **Rate of withdrawal in cubic feet per second.** 2 or Idaho
   Miners' inches 100 or gallons per minute.

   (b) **Annual withdrawal in acre feet per annum**

3. Source of water **supply:** Underground

4. Location of point of diversion or well is in the Southeast corner ¼ of the NW ¼ of Section 10
   Twp. 8 S. , Rge. 14 E. , B.M., County of Gooding

5. Water is to be used for: Irrigation

6. If for municipal, industrial or recreational purposes, give:

   (a) Point of use of water is in the ¼ of the ¼ of Section , Twp.
   Rge. , B.M

   (b) Waste water or sewage effluent is to be returned to
   at a point in the ¼ of the ¼ of Section , Twp. , Rge. , B.M.

7. Kind of **works:** Well, pump and ditches

8. Estimated cost of works: $ 2150.00

9. (a) Is reservoir to be used? No

   (b) Capacity of reservoir:

10. The time required for the completion of such work and complete application of the water to the proposed use is 2 years.

11. If applicant is a corporation, give:

   I. (a) Date and place of incorporation:

   (b) Amount of capital stock: $ (c) Amount paid in: $

   (d) Names and addresses of directors:

   II. The financial resources of the applicant are (a) Cash on hand: $

   (b) Treasury stock: (c) Bonds to be issued:

   (d) Other resources:

12. The land to be irrigated is described in the following tabulation:

13. Existing water rights and/or valid permits appurtenant to the lands to be irrigated are: 30 shares in North Side Canal Co., Ltd.

   (a) (cubic feet per second, inches or gallons per minute) of the water herein applied for is to be supplemental to the existing water rights.

   (b) (cubic feet per second, inches or gallons per minute) is for new lands.

Remarks: Property in name of Kenneth J. Lehmann and Pearl Lehmann. Owners also have 30 shares in North Side Canal Co., Ltd. for use on said property.

BE IT KNOWN THAT The undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Kenneth J. Lehmann and Pearl Lehmann /*Applicant.*

By KENNETH J. LEHMANN *Agent.*

Date of first receipt at Department of Reclamation: 9:30 A. M. March 23, 1956

Returned to applicant for correction:

Corrected application received:

Approval of State Reclamation Engineer

The number of this permit is G-26272

Recorded in Book 93 Page 26272 Approved March 26, 1956

This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:

Bond in the sum of $ to be filed on or before

Work to begin on or before May 26, 1956 and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which the permit holder has no control.

One-fifth of the work above specified to be completed on or before March 26, 1957

The whole of said work to be completed and beneficial use of water appropriated in accordance herewith, to be made on or before March 26, 1958

Witness my hand this 26th day of March, 1956

MARK R. KULP
State Reclamation Engineer.

IN TESTIMONY WHEREOF, We, ROBERT E. SMYLIE, Governor of the State of Idaho, and JAS. H. YOUNG, Secretary of State of the State of Idaho, have caused this instrument to be executed in the name of the State of Idaho, and caused the Great Seal of the State of Idaho to be hereunto affixed, this 26th day of March, 1956

Countersigned:

(SEAL)

By JAS. H. YOUNG
Secretary of State.

STATE OF IDAHO

By ROBERT E. SMYLIE
Governor

12.

Twp.	Range	Sec.	NE¼ NE¼	NE¼ NW¼	NE¼ SW¼	NE¼ SE¼	NW¼ NE¼	NW¼ NW¼	NW¼ SW¼	NW¼ SE¼	SW¼ NE¼	SW¼ NW¼	SW¼ SW¼	SW¼ SE¼	SE¼ NE¼	SE¼ NW¼	SE¼ SW¼	SE¼ SE¼	Totals
8 S.	14 E.	10					40	40	40	40									160

Permit No. G-26272

Certificate of Completion of Works

TO ALL WHOM IT MAY CONCERN:

This is to certify that KENNETH J. and PEARL LEHMANN of Wendell, County of Gooding, and State of Idaho, the holders of Permit No. G-26272, issued upon Application No. G-34162 bearing date of priority of March 23, 1956, authorizing the diversion of 2.0 secondfeet of the waters of Underground (a well, pump & ditches) County of Gooding, State of Idaho, for Irrigation purposes, has fully complied with the provisions of the laws of the State of Idaho relating to the proof of completion of the works of diversion set out and described in said Permit; that said works are adequate for diverting and conveying to the place of intended use 2.0 second feet of the waters of Underground (a well, pump & ditches) that the point of diversion of said waters SE corner of NW¼, Section 10, Township 8 South, Range 14 East B.M. and that the lands proposed to be irrigated by the use of said water are described as follows, to-wit: NW¼ of Section 10, Township 8, Range 14 East B.M.

Witness my hand this 22nd day of January, A.D. 1957

/s/ Mark R. Kulp
State Reclamation Engineer

Proof of Completion of Works made May 18, 1956

Certificate of Completion of Works issued January 22, 1957.

LICENSE ISSUED FOR 2.0 SEC. FT.
Page 5899

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

March 10, 2000

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

ROBERT E WILLIAMS
FREDERICKSEN WILLIAMS & MERSERVY
PO BOX 168
JEROME ID 83338-0168

RE: Final Order in the Matter of Transfers 5522 & 5523
Water Rights 36-02297/36-07377/36-07547
Southfield Dairy

Dear Mr. Williams:

The Preliminary Order issued in the above referenced matter has become a Final Order effective February 23, 2000 since no exceptions were filed.

If you have any questions regarding this matter, please call our office at 208-327-7900.

Sincerely,

Jeff Peppersack, Manager
Water Right Permits Section

JP:klt

cc: Bill Chisholm

MICROFILMED
MAR 2 0 2000

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

January 28, 2000

William K. Chisholm
19073 E Hwy 30
Buhl, ID 83318

RE: TRANSFER NOS. 5522 AND 5523 IN THE NAME OF SOUTHFIELD DAIRY

Dear Mr. Chisholm:

I have reviewed the "Petition for Review of Petition for Reconsideration Filed in Timely Manner" which was received in this office on January 27, 2000 and the water right files. My review supports your position that you did file a timely Petition for Reconsideration ("petition") with the Southern Regional office of the Department on January 12, 2000. The copy you mailed to this office was received on January 14, 2000, which was one day late. I don't recall receiving the e-mail message from our Twin Falls office about the filing of the petition and do not have a date stamped copy of the petition from our Twin Falls office.

At any rate, from the copies of information you have provided on January 27, 2000 with the petition for review, the petition appears to have been timely filed with the hearing officer before the January 13, 2000 ending date. Hence, the contested matter is not final and is within the 21 day period ending on February 2, 2000, in which the hearing officer can consider the petition you have filed.

I apologize for any inconvenience this oversight may have caused.

Sincerely,

L. GLEN SAXTON
Hearing Officer

c: IDWR Regional Office
Robert E. Williams

MICROFILMED
FEB 0 2 2000

RECEIVED
JAN 27 2000
Department of Water Resources

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OR APPLICATIONS FOR TRANSFERS NOS. 5522 & 5523 IN THE NAME OF SOUTHFIELD DAIRY	PETITION FOR REVIEW OF PETITION FOR RECONSIDERATION FILED IN TIMELY MANNER
SOUTHFIELD DAIRY, APPLICANT	
WILLIAM K. (Bill) CHISHOLM, PROTESTANT	

COMES NOW the protestant and petitions the Hearing Officer to review his dismissal of my Petition for Reconsideration, which was in fact filed in a timely manner.

Fact, the "preliminary order" was signed Thursday, December 30, 1999.

Fact the Protestant's Petition for Reconsideration was hand delivered to the IDWR Twin Falls office on Wednesday, January 12 and mailed that same day to both the Applicant and to the Hearing Officer.

Fact, I have an e-mail from Mary Baldwin of IDWR Twin Falls office informing the hearing officer that the Petition for Reconsideration was filed with that office.

Fact, Mary Baldwin stamped the copy delivered to the IDWR on Wednesday, January 12, 2000, which was within the 14-day time period required.

Therefore, I petition the hearing officer to reverse his opinion as to the timeliness of the Protestant's Petition for Reconsideration in this matter and fully consider that petition and the issues it raises with regard to the protection of the Thousand Springs reach of the Snake River and the local public interest..

Submitted this 24th day of January, 2000

William K. Chisholm, Pro se

MICROFILMED
FEB 02 2000

RECEIVED
JAN 12 2000
Department of Water Resources
Southern Region

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE
STATE OF IDAHO

IN THE MATTER OR APPLICATIONS)
FOR TRANSFERS NOS. 5522 & 5523)
IN THE NAME OF SOUTHFIELD DAIRY)
)
SOUTHFIELD DAIRY, APPLICANT)
)
WILLIAM K. (Bill) CHISHOLM,)
PROTESTANT)

PETITION FOR RECONSIDERATION

COMES NOW the protestant and petitions the Hearing Officer for reconsideration of his preliminary order of December 30, 1999 in the above-entitled matter for the following reasons:

1. The Hearing Office ignored significant and material facts by failing to make a finding as to the distance of the proposed dairy from Thousand Springs, the slope of the land and the impact of odors emanating from a 5,200 head dairy and the impact of those odors on the local public interest which includes homes, businesses and public recreation in the Thousand Springs area.

2. The applicant didn't address in their presentation how or where they were going to dispose of the waste water from their lagoon. Dr. Brockway acknowledged that some nutrients could reach the aquifer which is fairly shallow at the dairy location. Thus the applicant did not prove "no harm" to other water rights, which include the waters emanating from Thousand Springs itself. These springs show on the applicant's Exhibit No. 1 and the Hearing Officer could not validate the applicant's proof responsibility as the springs were not even addressed..

3. Both Dr. Brockway and applicant Arie Roloffs misinformed the Hearing Officer as to the distance the proposed dairy sits from Thousand Springs and thus they could not accurately state what the impacts of such an operation would be on the neighbors, including homes and businesses which they didn't even acknowledge in their presentation, but which clearly showed up on Exhibit No. 1. The applicant clearly did not address, nor prove "no impact" on their neighbors either in terms of potential runoff from the dairy or in terms of odor. How could they when they both mis-stated the distance? Thus the credibility of their testimony in all matters must be discounted as to proof for it is obvious they don't know well enough the area they are testifying about.

4. Applicant's witness, Arie Roloff, misinformed the hearing officer as to whether there was any

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FEB 0 2 2000

Baldwin, Mary

To: Saxton, Glen
Cc: Baldwin, Mary
Subject: Transfer Nos. 5522 & 5523 (Southfield Dairy)

FYI, Bill Chisholm has filed a Petition for Reconsideration with this office today and is putting a copy of the same to you in the mail also. Do you want me to fax the copy of the one he left for the region to you?

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FEB 0 2 2000

2000

JAN 25 2000 mBalden

VISITORS NAME	DATE	NATURE OF BUSINESS	AGENT SEEN	✓
G. W Nowinger	1/12/00	water permit	Mary	✓
Bill Chisholm	1/12/00	WR	Mary	✓
Dave Ramseyer	1/12/00	Chg of Ownership	ads	—
Doug Bybee	1/12/00	Leasing Water Bank	Corey	✓
Ginger Koonce	1/12/00	BLM Lr to ADM	ads	✓
Cindy Elliott	1/12/00	1999 Water Use Reports	ads	—
Bill Jones	1/13/00	Chg. of address form	MB	✓
Joe Talbert	1/13/00	Letter dtd.	MB	✓
Manny & Fernanda	1/13/00	Well Log	Corey	✓
Brockway & Jr.	1/13/00	Appointment	Jim	✓
Liz McCammon	1/13/00	Water Measurement Report	ads	✓
Wilbur Poland	1/13/00	" " Letter	ads	✓
Craig Moore	1/13/00	WR Research	Corey	✓
Jeff Rau	1/14/00	well logs	MB	
Dr. D	1/14/00	WD	MB	✓
WRIGHT, JOHN	1/14	WMD	MB	✓
[illegible]	1/14/00	copies	MB	✓
[illegible]	1/14/00	WR	CS	✓

MICROFILMED FEB 07 2008

CERTIFICATE OF MAILING

I hereby certify that on the 12th day of January, 2000, I mailed a true and correct copy, postage prepaid, of the foregoing PETITION FOR RECONSIDERATION to the persons listed below:

RE: Transfers #s 5522 & 5523

ROBERT E. WILLIAMS
FREDERICKSEN, WILLIAMS & MERSERVY
P.O. BOX 168
JEROME, IDAHO 83338-0168

GLENN SAXTON
IDWR
P.O. BOS 83720
BOISE, IDAHO 83720-0098

HAND DELIVERED

ALLEN MERRITT
IDWR SOUTHERN REGION
1341 FILLMORE ST. SUITE 200
TWIN FALLS, IDAHO 83301-3380

William K. Chisholm

By: William K. Chisholm

MICROFILMED

FEB 0 2 2000

CERTIFICATE OF MAILING

I hereby certify that on the 24th day of January, 2000, I mailed a true and correct copy, postage prepaid, of the foregoing PETITION FOR REVIEW OF PETITION FOR RECONSIDERATION to the persons listed below:

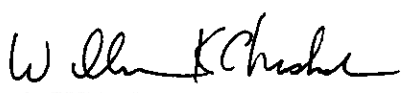
RE: Transfers #s 5522 & 5523

ROBERT E. WILLIAMS
FREDERICKSEN, WILLIAMS & MERSERVY
P.O. BOX 168
JEROME, IDAHO 83338-0168

GLENN SAXTON
IDWR
P.O. BOS 83720
BOISE, IDAHO 83720-0098

HAND DELIVERED

ALLEN MERRITT
IDWR SOUTHERN REGION
1341 FILLMORE ST. SUITE 200
TWIN FALLS, IDAHO 83301-3380



By: William K. Chisholm

MICROFILMED

FEB 0 2 2000

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

January 25, 2000

SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

RE: TRANSFER OF WATER RIGHTS 36-02297 36-07377F/36-07547F
(Transfer 5523)

Dear Water Right Holder(s):

Enclosed is the copy of your approved Transfer of Water Rights for the above referenced water rights (Transfer 5523). Please be sure to thoroughly read the Conditions and Remarks listed on the transfer. Also, please be advised that the accompanying transfer approval should be considered and treated as an **preliminary order** of the department issued pursuant to section 67-5243, Idaho Code. Enclosed are instructions for responding to **Preliminary Orders** if you are in disagreement with the approved transfer.

Please note that as of July 1, 1996, water right owners are required to report any change of water right ownership and any change of mailing address of the owner of a water right to the department. Notice of the change must be provided to the department within 120 days of the change. Change reporting forms are available from any office of the department.

Please feel free to contact the department if you have questions.

Sincerely,

Jeff Peppersack, Manager
Water Right Permits Sections

JP:klt

Enclosures

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FEB 0 2 2000

CERTIFICATE OF MAILING

I hereby certify that on the **25th** day of **January, 2000** I mailed a true and correct copy, postage prepaid, of the foregoing **TRANSFER APPROVAL** to the person(s) listed below:

RE: TRANSFER OF WATER RIGHTS 36-02297/36-07377F/36-07547F
(Transfer 5523)

SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

Kari Lynn Townsend
Secretary

MICROFILMED
FEB 0 2 2000

Responding to Preliminary Orders Issued by the Idaho Department of Water Resources

The Idaho Department of Water Resources (Department) issues water right permits, licenses, and transfers as preliminary orders pursuant to section 67-5243, Idaho Code. **A preliminary order can and will become a final order without further action of the department unless a party petitions for reconsideration or files an exception and/or brief as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the Department within fourteen (14) days of the service date of the order. The Department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See section 67-5243(3), Idaho Code.

EXCEPTIONS AND BRIEFS

Within twenty-one (21) days after (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from a preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding. Otherwise, a preliminary order will become a final order of the Department.

If any party appeals or takes exceptions to a preliminary order, opposing parties shall have twenty-one (21) days to respond to any party's appeal. Written briefs in support of or taking exceptions to the preliminary order shall be filed with the Department. The Department retains the right to review the preliminary order on its own motion.

ORAL ARGUMENT

If the Department grants a petition to review a preliminary order, the Department shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Department will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Department orders otherwise, all oral arguments will be heard in Boise, Idaho.

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FEB 0 2 2000

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Department in connection with a preliminary order shall be served on all other parties to the proceedings in accordance with Rules of Procedure 302 and 303.

FINAL ORDER

The Department will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Department may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its issuance if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

(a) the petition for reconsideration is disposed of; or
(b) the petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

i. A hearing was held,
ii. The final agency action was taken,
iii. The party seeking review of the order resides, or
iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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FEB 0 2 2000

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, P.O. Box 83720, Boise, Idaho 83720-0098
Phone: (208) 327-7900 FAX: (208) 327-7866

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

January 21, 2000

William K. Chisholm
19073 E Hwy 30
Buhl, ID 83318

RE: TRANSFER NOS. 5522 AND 5523 IN THE NAME OF SOUTHFIELD DAIRY

Dear Mr. Chisholm:

I have received the Petition for Reconsideration ("petition") which you submitted to the department on January 14, 2000 in connection with a Preliminary Order issued by the department on December 30, 1999. Since the petition was not timely filed within 14 days of the service of the Preliminary Order, the Preliminary Order has become final.

If you have questions, please feel free to contact me.

Sincerely,

L. GLEN SAXTON
Hearing Officer

c: Robert E. Williams
Regional Office

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FEB 0 2 2000

TRANSFER REVIEW SHEET
(10-99)

Transfer # 5523 **Date Reviewed** 12-27-99 CS

Right(s) 36-02297 - SRBA Decree - Updated
T 36-07377C } From T5522 - D'base needs updated to reflect
T 36-07547C } deereed/transferred rt.
SEE PREVIOUS TRANSFER 5522

✓ **WRQ/Split Summary** ✓ **SRBA Status** ✓ **Run POU Comparison Report**

B:Change P/D **C**:Add P/D **D**:Change P/U **E**:Change Nature of Use
F:Change Period of Use **G** Other **H**:Change P/D & Add P/D
(I) Change P/D & P/U **J**:Add P/D & Change P/U

Proof of Ownership Warranty Deed from Lehmann (SRBA Decree) to Southfield Dairy 6-24-99 (36-02297), from Branch Hower to Southfield 1-5-99 (36-07377C + 7547C) covers transferred Acres.

Transfer ✓ **All of Right** (36-02297) ✓ **Portion of Right** (T36-07377C & 36-07547C)

Resulting Split(s) Parts C < E

36-07377 E) 1.09 cfs 70.5 Acres — 36-07547 E) 1.59 cfs 146.0 Acres
F) .29 cfs 15.5 Acres 62.0 afa F) .35 cfs 32.0 Acres 128 afa
Part Fs = 2.25 cfs Part Fs = .49 cfs 32 Acres 128 afa
w/other rts = 3.25 cfs 146.0 Acres 584 afa/438 afa

Check Transfer Against Recorded Right:

Standard Season 3-15 **to** 11-15 **Standard Volume** 4.0 / 3.0

(1) ✓ **Priority** (2) ✓ **Use** (3) ___ **Season** (W61) (4) ✓ **Rate** (5) ✓ **Volume**

(6) ✓ **Source** (7) ___ **P/D** (8) ___ **P/U** (9) ✓ **Proof/Owner** (10) ✓ **Map**

(11) NA **Water District** (12) yes **Pertinent Conditions** (13) ND **Expansion** w/ combined Limits.
North Snake GW Dist/West ESPA

(3) Standard Season > recorded 4-1 to 10-31
(7) Change P/D under 36-02297 to one of the wells under other rts.
(8) Change P/U under 36-02297 different section. Create PP/U for other rts. in same section + Quarter.

Existing IRR Well per app. - No DP found. - IRR well under 36-07377 7547 per SRBA Decree.

Transfer Remarks (PP/U) 2297 - 91 Acres, 7377 - 15.5", 7547 - 32.0" (W35) Part Fs = .49 cfs/32.0 Acres/128 afa
065 + 104 - 36-02297 Supplemental GW (W61)
Conditions , 067, R64, T07, T08

Database/Processing Notes Standard ___ **Non-Standard** ✓
AJ needs to be updated/WR needs to be updated. / T files copied thru WR3 to retain SRBA flags. - Delete Ts. Edit 36-02297 remarks when approved.
"T" Files Update Complete ✓ **Approval Form** DRAFT **Transfer Memo** ___
Database Updated Following Approval ___ **Memo/Form Files Deleted** ___

T Files updated to reflect Order. 1-24-2000 / Database needs updated to reflect decrees.

DWR 1-25-2000

FORM 22a
9/96

IDWR TRANSFER ANALYSIS SHEET

APPLICANT Scott Hyde Dairy TRANSFER NO. 5523

1. Right number(s) 36-02297-X36-07377C X36-07547C

2. Type of right
X Decree X License ___ Statutory Claim
___ SRBA Beneficial Use Claim

3. Purpose of transfer
X Change P/D ___ Add P/D X Change P/U 7377 and 7547
___ Change N/U ___ Change Source X Split Right
X Other: CREATE PPU

4. Check Existing Right:
X Source X Priority X Amount X Purpose
X Period X SRBA Claim
X Description of original point(s) of diversion
X Description of original place of use
X Overlapping rights on original place of use

Comments: BASE RIGHTS ARE EITHER SRBA [redacted] RECOMMENDATIONS OR REMAINING PORTIONS FROM APPROVED TRANSFERS. WASTE WATER RIGHTS 36-10916, 36-04021, AND X36-04246 OVERLAP [redacted] PLACE(S) OF USE. ← MAYBE?

5. Check Proposed Right for amount of land &/or water transferred:

X Also see attached memo for more analysis information

a. X All of right 36-02297

b. X Part of right (*NOTE! Part B should be filled in only if part of right is owned by the applicant*) 36-07377 and 36-07547 parts

c. X Description of point(s) of diversion

d. X Description of place of use

e. X Map showing P/D & P/U after transfer

f. X Correct notarized signature and $100 fee

g. X Proof of ownership of right &/or land from which water is transferred

h. X Expansion in use of right - Comments:

NONE APPARENT, IF APPROPRIATE PPU CONDITIONS ARE IMPLIMENTED

T5523

i. X Existing rights from same source, on land water is being transferred to; right number(s): RIGHTS INVOLVED WITH THIS TRANSFER, WASTE WATER RIGHTS 36-10916 and 36-04021

j. X SRBA claim(s) - Comments (*NOTE! Approved transfer amends SRBA claim; differences between existing water right and SRBA claim? any ownership or other outstanding issues? Explain*) RIGHTS BASED ON SRBA RECOMMENDATIONS &/OR PREVIOUSLY APPROVED TRANSFERS.

k. X Comment letters ___ Yes X No
If yes ___ Water District #
___ Lienholder, others, see #2 below for name and address

INITIAL ALLOCATION REVIEW BY P. SKINNER DATE 7/27/99
SRBA SUPERVISOR REVIEW BY _____ DATE _____
PUBLICATION REVIEW BY _____ DATE _____

1. Legal Notice electronically sent to DWR03::VAULT ✓ Yes @5/5 (8/5/99)

2. COMMENT LETTERS Copy of Pg 1 to AJ ✓ Yes 8/5/99

Watermaster recommendation requested on _____, Received on _____

Other comments letters - send to the following name(s) & address(es):

_____

3. Transfer published correctly? ___ Yes ___ No

4. Affidavit of publication received? ___ Yes ___ No

5. Protests received? ___ Yes ___ No; Acknowledgement sent? ___ Yes

6. Copies made for Region file (see attached supplemental page)? ___ Yes

RECOMMENDED ACTION

1. ___ Approve

2. ___ Deny due to _____

_____

3. Conditions (special conditions in Water Districts) _____

_____

___ Also see attached memo for recommendation dated: _____

4. By _____ Date _____

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR TRANSFER NOS. 5522 & 5523	)	
	)	NOTICE OF HEARING
Southfield Dairy, Applicant	)	
	)	SOURCE: Groundwater
Bill Chisholm, Protestant	)	COUNTY: Gooding

On June 3, 1999 Southfield Dairy (applicant), filed with the Department of Water Resources two applications to transfer the public waters of the State of Idaho. The Department received two protests against the approval of said applications; one which was subsequently withdrawn leaving the sole above captioned protestant. The conference held on October 12, 1999 did not resolve the matter of protest.

The Department has set the matter for hearing on **Tuesday-December 7, 1999 at 9:00 a.m.** in the Multi-purpose Room, City Hall Building, 308 5th Avenue West;Gooding ID.

The hearing will be held in accordance with provisions of Chapters 2 and 17, Title 42 and Chapter 52, Title 67, Idaho Code, the adopted Rules of Procedure of the department and Water Appropriation Rules 40 and 45. A copy of the rules may be obtained from the department upon request. The presiding officer at the hearing will be L. Glen Saxton.

The hearing will be conducted in a facility which meets the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the conference, please advise the department within (10) days prior to the conference.

IT IS FURTHER NOTED, in accordance with IDAPA Rule of Procedure 37.01.01606, all parties have agreed to exchange witness lists and copies of documents that may be offered as exhibits to each party and to the presiding officer **on or before November 15, 1999.**

All parties to the matter will have the opportunity to respond and present information and argument on all issues involved.

Dated this 18th day of October, 1999.

Allen D. Merritt, P.E.
Regional Manager

MICROFILMED
FEB 0 2 2006

CERTIFICATE OF MAILING

I hereby certify that on the 18 th day of October, 1999 a true and correct copy of the foregoing Notice of Hearing was forwarded with all required charges prepared, by Certified U.S. Mail, to the parties listed:

Mary Baldwin
Secretary

ATTN ARIE ROELOFFS
SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

BILL CHISHOLM
19073 E HWY 30
BUHL ID 83318

ROB WILLIAMS ESQ
FREDERICKSEN WILLIAMS & MESERVY
PO BOX 168
JEROME ID 83338

MICROFILMED
FEB 0 2 2000

CONFERENCE AND HEARING PROCEDURE

APPLICATION FOR TRANSFER ISSUES

Section 42-222, Idaho Code, identifies the following potential issues that the department can consider in connection with an application for transfer:

1. Will the proposed transfer injure other water rights?

2. Will the proposed transfer constitute an enlargement in the use of the original right?

3. Is the proposed transfer in the local public interest, where local public interest is defined as the affairs of the people in the area directly affected by the proposed use?

4. Is the proposed use contrary to conservation of water resources within the state of Idaho?

BURDEN OF PROOF

The applicant has the initial burden of proof for issues 1, 2, and 4 above and must provide evidence for the department to evaluate these criteria. The initial burden of proof on issue 3 above lies with both the applicant and protestant as to factors of which they are most knowledgeable and cognizant. The applicant has the ultimate burden of persuasion, however, for this issue.

PROCEDURE

The department generally conducts an informal conference with the parties to determine the issues and to try to settle a protested matter before a hearing is scheduled. If a hearing is held, the department will issue a written decision based on the hearing record.

CONFERENCE

The purpose of a pre-hearing conference is to provide the opportunity for the parties and the department to familiarize themselves with a contested matter and to attempt to resolve the matter. At the conference, the department may also formulate and simplify the issues, identify documents to avoid unnecessary proof, exchange proposed exhibits or prepared testimony, limit witnesses, discuss settlement or make settlement offers, schedule hearings, establish procedure at hearing and address other matters that may expedite orderly conduct and disposition of the proceeding or its settlement. The department may issue a "pre-conference statement order" which requires response to the inquiries.

HEARING

The department will tape record the hearing. Copies of a hearing tape are available upon request and the payment of the cost of reproducing the tape. The hearing likely will be conducted by a hearing officer appointed by the Director rather than by the Director himself. If so, the hearing officer will prepare a recommended order for the Director's consideration. Parties can file exceptions to a recommended order, briefs in support of the exceptions or may request oral argument. Parties may seek judicial review of any final order issued by the Director. Parties may by written stipulation waive the right to a recommended order, particularly when a shortened decision process is desirable or necessary. Such a waiver does not eliminate any rights of the parties in connection with the final order of the Director and judicial review of the order.

EXHIBITS

A party who plans to offer an exhibit as part of the hearing record must provide a copy of the proposed exhibit to the parties and to the hearing officer. As part of the conference a date may be set by which exchange of exhibits and witness lists must occur.

EFFECT OF FAILURE TO APPEAR AT A CONFERENCE OR HEARING

Failure to appear at the time and place set for a conference or hearing by the applicant or protestant(s) may allow the department to dismiss without prejudice the protest(s) or the application. Any and all cost incurred by reason of such non-appearance may be assessed against such non-appearing party.

AMERICANS WITH DISABILITIES ACT

Any hearing scheduled will be conducted in a facility which meets the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the hearing, please advise the department within (I0) days prior to the hearing.

MICROFILMED
FEB 0 2 2006

NAME AND ADDRESS OF SENDER

Indicate type of mail
☐ Registered
☐ Insured
☐ COD
☐ Certified ☐ Express Mail

Check appropriate block for Registered Mail:
☐ With Postal Insurance
☐ Without Postal Insurance

Affix stamp here if issued as certificate of mailing or for additional copies of this bill.

POSTMARK AND DATE OF RECEIPT

FOR REGISTERED, INSURED, C.O.D., CERTIFIED, AND EXPRESS MAIL

Line	Number of Article	Name of Addressee, Street, and Post-Office Address	Postage	Fee	Handling Charge	Act. Value (If Regis.)	Insured Value	Due Sender if C.O.D.	R. R. Fee	S. D. Fee	S. H. Fee	Re
1	1863	Leo Ray ADM/9-24-99 Re: 47-08429	.33	1.25	1.40	2.98						
2	1864	Fred Kippes										
3	1865	Floyd Kaufman										
4	1866 (4)	Carl Nellis - Id. F & G										
5	1867	Tony Visser ADM/9-29-99 Re: T#5484	.33	1.25	1.40	2.98						
6	1868	Mike Boama										
7	1869	Robert E. Williams										
8	1870	Luke & Rose Phillips										
9	1871	Vonnie Peterson										
10	1872 (6)	Michael & Dianna Miketa										
11	1873	Gary Coleman T#5510 Adm 10/18/99	.33	1.25	1.40	2.98						
12	1874 (2)	Lee Halper										
13	1875	Arie Roeloffs T#5522, 5523 Adm 10/18/99										
14	1876	Rob. Williams ESQ	.55	1.25	1.40	3.20						
	1877 (3)	Bill Chisholm	.33	1.25	1.40	2.98						

Cer
Ret

Total Number of Pieces Listed by Sender

Total Number of Pieces Received at Post Office

POSTMASTER, PER *(Name of receiving employee)*

The full declaration of value is required on all domestic and international registered m
The maximum indemnity payable for nonnegotiable documents under Express Mail d
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occurrence. The maximum indemnity payable on Express Mail merch
$500. The maximum indemnity payable is $25,000 for Registe
$400 for Insured Mail. Special handling charges appl
parcels. Special delivery service also includes special

FORM MUST BE COMPLETED BY TYPEWRITER, INK OR BALL POINT PEN

☆ U.S. GOV

PS Form 3877, Feb. 1982

MICROFILMED

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

October 18, 1999

ATTENTION: **Kathy**
GOODING CITY HALL
308 5TH AVENUE WEST
GOODING ID 83330

Dear Kathy

This is a follow-up to our telephone conversation to confirm the reservation of the Multi-purpose Room for all day meetings to be held by this office on *both* December 7 & 14th from 9:00 a.m.- 5:00 p.m.

If you have any questions please feel free to contact me or Allen Merritt, Southern Regional Office Manager.

Thank you very much for your assistance in this matter.

Very truly yours,

Mary Baldwin
Administrative Assistant

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FEB 0 2 2000

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

RECEIVED
OCT 0 5 1999
Department of Water Resources

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

September 30, 1999

RECEIVED
OCT 0 5 1999
Department of Water Resources

LARRY BAY
3224 S 1700 E
WENDELL ID 83355

Re: Application for Transfer No. 5522 (Southfield Dairy)

Dear Mr. Bay:

This office acknowledges receipt of the withdrawal of your protest against the above referenced application.

Since there were multiple protestants, the concerns of the other protestant will need to be addressed by the Department before final pocessing of the application can be completed.

The Department will continue review of the application without further contact with you unless information is requested.

Please feel free to contact this office if you have any questions regarding this procedure.

Very truly yours,

Allen D. Merritt,P.E.
Southern Region Manager

AM:mb
Cc:
ATTN ARIE ROELOFFS
SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

MICROFILMED
FEB 0 2 2000

To allen Merritt: Sept 26-1999

I wish to withdraw my protest in the matter of Transfer Nos. 5522 and 5523 Concerning the Southfield Dairy Water Transfers.

Thank you

Larry Bay

RECEIVED
SEP 28 1999
Department of Water Resources
Southern Region

LARRY BAY
3224 SOUTH 1700 EAST
WENDELL, ID 83355
(208) 536-2531

TWIN FALLS ID 833
PM
27 SEP
1999

33 USA

RECEIVED
SEP 28 1999
Department of Water Resources
Southern Region

State of Idaho
Dept. of Water Resources
1341 Fillmore Street, Suite 200
Twin Falls, Idaho
83301-3380

83301

MICROFILMED
FEB 02 2000

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF TRANSFER NO. 5510, Gary Coleman, Applicant	)	NOTICE OF PRE-HEARING
Lee Halper, Protestant	)	CONFERENCE
IN THE MATTER OF TRANSFER NOS. 5522 & 5523, Southfield Dairy, Applicant	)	SOURCE: Groundwater
Bill Chisholm, Larry Bay; Bill Chisholm, Protestants, respectively)	)	COUNTY: Gooding

On April 1, 1999 Gary R. &/or Carolyn F. Coleman (applicants), filed with the Department of Water Resources an application to transfer the public waters of the State of Idaho. The Department has received a protest against the approval of said application from the above captioned protestant.

On June 3, 1999 Southfield Dairy (applicant), filed with the Department of Water Resources two applications to transfer the public waters of the State of Idaho. The Department has received protests against the approval of said applications from the above captioned protestants.

The Department has set the matter of protests for conference on **Tuesday-October 12, 1999** in the Idaho Department of Water Resources Conference Room, 1341 Fillmore Street-Suite #200; Twin Falls, ID. The Southfield Dairy conference will commence at 10:00 a.m.; the Coleman conference will commence at 1:00 p.m.

The purpose of the conference is to formulate and simplify the issues, obtain admissions of fact and of documents which will avoid unnecessary proof, arrange for the exchange of proposed exhibits or prepared expert testimony prior to the hearing, limit the number of witnesses, consolidate the examination of witnesses, and advise the parties of the procedure which will be followed at any subsequent hearing.

The conference will be held in accordance with Chapter 2, Title 42, of the Idaho Code and the adopted Rules of Practice and Procedure of the Department of Water Resources.
The conference will be conducted in a facility which meets the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the conference, please advise the department within (10) days prior to the conference.

Dated this 24th day of September, 1999.

Allen D. Merritt, P.E.
Regional Manager

MICROFILMED

FEB 0 2 2000

CERTIFICATE OF MAILING

I hereby certify that on the 24th day of September, 1999 a true and correct copy of the foregoing Notice of Pre-hearing Conference was forwarded with all required charges prepared, by U.S. Mail to the parties listed:

Mary Baldwin

Secretary

GARY R COLEMAN &/OR
CAROLYN F COLEMAN
2768 RITCHIE RD
HAGERMAN ID 83332

LEE HALPER
331 S 230 W
JEROME ID 83338

ATTN ARIE ROELOFFS
SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

BILL CHISHOLM
19073 E HWY 30
BUHL ID 83316

LARRY BAY
3224 S 1700 E
WENDELL ID 83355

MICROFILMED
FEB 0 2 2006

/96

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
NOTICE OF PROTEST

RECEIVED
SEP 07 1999
Department of Water Resources
Southern Region

This form may be used to file a protest with the department under sections 42-108B, 42-203A, 42-203C, 42-211, 42-222 and 42-224, Idaho Code. The department will also accept a timely protest not completed on this form if it contains the same information.

1. Matter being protested South field Dairy #5523

2. Name of protestant Bill Chisholm

3. Protestant's representative for service (If different than protestant)

4. Service mailing address 19073E Hwy 30, Buhl, Idaho 83316

5. Service telephone no. 208-543 4418

6. Basis of protest (including statement of facts and law upon which the protest is based)

Damage to other water right, expansion of use, need for adequate conservation of water supply, local public interest - water quantity & quality

(additional pages may be attached to describe the nature of the protest)

7. What would resolve your protest? A full assessment of water quantity & quality effects & impacts of all dairy operations in the area

I hereby, acknowledge that if I, or my designated representative, fails to appear at any regularly scheduled conference or hearing in the matter of which I have been notified at the address above, the department may issue a notice of proposed default against me in this matter for failure to appear. I also verify that I have served a copy of this protest upon the applicant.

Signed this 7th day of September, 19 99.

B M Chisholm
PROTESTANT

PROTESTANT'S REPRESENTATIVE

MICROFILMED
FEB 07 2000

NOTE:

A protestant is required to timely file a protest with the department together with a $25.00 protest fee for each application being protested in order for the protestant to be considered a full party by the department. In addition, the department's Rule of Procedure, IDAPA 37.01.01203, requires a protestant to send a copy of a protest to the applicant.

INSTRUCTIONS

1. The matter being protested must be clearly identified. A typical matter is identified by the application number such as "Application for Permit No. _____ in the name of _____" or "Application for Transfer No. _____ in the name of _____."

2. Show the name of the protestant. Only one (1) protestant may be shown per protest form. If this protest form is signed by more than one person, the hearing officer will consider the first signer as the official protestant and the representative for service of documents.

3. If the protestant is represented by an attorney or other authorized representative, show the representative's name. The department then will serve documents on the representative and upon the protestant if specifically requested.

4. Show the address where the department is to serve the documents. This should be the address of the authorized representative unless the protestant does not designate a representative.

5. Show the telephone number of the authorized representative unless the protestant does not designate a service representative.

6. Specifically describe the nature of the protest.

7. Describe the relief being sought by the protestant.

FOR DEPARTMENT USE ONLY

Received by GLS Date 07Sept99 Time 0917 hrs

$25.00 fee Receipted by GLS # S022529 Date 07Sept99

MICROFILMED
FEB 0 2 2000

AFFIDAVIT of PUBLICATION

RECEIVED RECEIVED

State of Idaho
County of Gooding } ss.

SEP 09 1999 AUG 27 1999

Department of Water Resources Department of Water Resources
Southern Region

Patty Nance, being first duly sworn, deposes and says that she is the printer (publisher) of the Gooding County Leader, a newspaper published every week in Gooding, County of Gooding, State of Idaho; that said newspaper has been continuously and uninterruptedly published for a period of seventy-eight consecutive weeks prior to the first publication of the annexed notice, and is a newspaper qualified to publish legal notices as provided by act of the 1919 session of the legislature of the State of Idaho, known as House Bill 145; that the annexed advertisement was published once each week for 2 consecutive issues in said newspaper proper and not in supplement; that the date of the first publication of said advertisement was on the 19th day of August, 1999 and that date of the last publication was on the 26th day of August, 1999.

Patty Nance

On this 2nd day of September in the year of 1999, before me, a Notary Public, personally appeared Patty Nance, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledge to me that she executed the same.

Norma DeVoe
Notary Public for Idaho
Residing at Jerome, Id
My commission expires: 3/6/01

#7173 /27051
GOODING COUNTY LEADER
Gooding, Idaho

OK MB 9/27/99

COST OF PUBLICATION

Number of Picas per Line _____
Number of Lines in Notice _____
Number of Insertions 2x

_____	Lines tabular at	_____	7¢/Pica
983.81	Lines straight at	59.03	6¢/Pica
983.81	Subsequent lines at	49.19	5¢/Pica
	Affidavit Fee	2.25	
	TOTAL COST	110.47	

MICROFILMED FEB 02 2000

Southfield Dairy
TITLE OF NOTICE

PLAINTIFF ATTORNEY

DEFENDANT

PLAINTIFF

IDWR
BILL TO

COPY OF NOTICE

[redacted] that SOUTHFIELD DAIRY, [redacted] E; WENDELL, ID [redacted] has filed two (2) companion Applications for Transfer with the Department of Water Resources for changes to the rights listed below. [redacted] Water Right No. 36-[redacted] (1.88 cfs) with a priority date of [redacted] is diverted [redacted] parts of SE1/4, Section [redacted] Gooding County. [redacted] Water Right No. X36-07377A (0.12 cfs) with a priority date of 03/07/1975 and Water Right No. X36-07547A (3.86 cfs) with a priority date of 05/13/1975 are diverting a combined total of 4.56 cfs from two (2) groundwater wells within NE1/4NE1/4, S9 for irrigation of 283 acres within parts of Sections 3, 4, & 9, all T08S, R14E; Gooding County. The purpose of Transfer No. [redacted] is to change a portion of the rights used to irrigate 144.5 acres to stockwater/commercial use for a new dairy located within Sections 5 & 18 by drilling two (2) new wells within SE1/4NW1/4, S18, all T08S, R14E; Gooding County to divert a combined total of 1.62 cfs using the following rights:

Rt No.	Use	Amt (cfs)
X36-07377F	Stockwater	0.75
	Commercial	0.79
X36-07547F	Stockwater	1.14
	Commercial	0.34

The purpose of Transfer No. [redacted] is to change [redacted] and create a [redacted] for irrigation of [redacted] A [redacted] cfs will be [redacted] for stockwater and commercial use, [redacted] acre portion of [redacted] NE1/4, S9, all T08S, R14E; Gooding County, ID. Note: [redacted] and will be the place of use of land [redacted] application for water [redacted]

Rt No.	Priority	Amt (cfs)
11	[redacted]	[redacted]

PUBLI
(Idaho
7-8 pt. [redacted] Pica
7-8 pt. [redacted] Pica
7-8 pt. [redacted]
inserti Pica

No.

NOTICE OF PROPOSED CHANGE TO WATER RIGHT

Notice is hereby given that SOUTHFIELD DAIRY, 3308 S 1600 E; WENDELL ID 83355 has filed two (2) companion Applications for Transfer with the Department of Water Resources for changes to the rights listed below. PRESENTLY, Water Right No. 36-02297 (1.82 cfs) with a priority date of 03/23/1956 is diverted from groundwater within SE1/4NW1/4, S10 for irrigation of 91 acres within parts of S10, both T08S, R14E; Gooding County. PRESENTLY, Water Right No. X36-07377A (2.12 cfs) with a priority date of 09/07/1973 and Water Right No. X36-07547A (3.08 cfs) with a priority date of 05/13/1975 are diverting a combined total of 4.36 cfs from two (2) groundwater wells within NE1/4NE1/4, S9 for irrigation of 283 acres within parts of Sections 3, 4, & 9, all T08S, R14E; Gooding County. The purpose of Transfer No. 5522 is to change a portion of the rights used to irrigate 105 acres to stockwater/commercial use for a new dairy located within Sections 9 & 10 by drilling two (2) new wells within SE1/4NW1/4, S10, all T08S, R14E; Gooding County to divert a combined total of 1.62 cfs using the following rights:

Rt No.	Use	Amt (cfs)
X36-07377F	Stockwater	0.79
	Commercial	0.79
X36-07547F	Stockwater	1.14
	Commercial	1.14

The purpose of Transfer No. 5523 is to change point of diversion, place of use, and create a permissible place of use for irrigation rights. A combined total of 2.31 cfs will be diverted from an existing well within NE1/4NE1/4 for irrigation of 123 acres within a 141 acre permissible place of use within NE1/4, S09, all T08S, R14E; Gooding County, using the rights listed below. Note these lands also have canal shares and will be the place of use of land application for waste from dairy.

Rt No.	Priority	Amt (cfs)
36-02297	03/23/1956	1.82
X36-07377H	09/07/1973	0.24
X36-07547H	05/13/1975	0.35

After said proposed changes, 146 acres (2.25 cfs) will continue to be irrigated in Sections 3 & 4, T08S, R14E; Gooding County. Any protest against the proposed changes must be filed with the Department of Water Resources, Southern Region, 1341 Fillmore St., Suite 200; Twin Falls, ID 83301 together with a protest fee of $25.00 on or before September 7, 1999 to be considered by the Department in its decision to grant or deny any part of the proposed change. (Each transfer requires a separate protest). The protestant must also send a copy of the protest to the applicant.

Karl J. Dreher, Director

Published in the Gooding County Leader on 08/19 & 08/26/99.

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FEB 0 2 2009

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

August 5, 1999

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

LEGALS DEPT
MAGIC VALLEY PUBLISHING CO
ATTN **Gooding County Leader**
PO BOX 468
JEROME ID 83338

Gentlemen:

Enclosed you will find a legal notice which we wish to have published in your newspaper. We have inserted the required publication dates.

We have attempted to submit this legal as camera ready. Please call me at your earliest convenience and prior to your staff re-typing the legal if it does not meet your specifications so I can possibly make adjustments.

If you cannot publish the notice on the proposed dates, please contact us immediately.

In order to receive payment, an affidavit of publication must be submitted to the Department along with the publication bill.

Very truly yours,

Mary Baldwin
Administrative Assistant

Enclosure

MICROFILMED
FEB 0 2 2000

NOTICE OF PROPOSED CHANGE TO WATER RIGHT

Notice is hereby given that SOUTHFIELD DAIRY, 3308 S 1600 E; WENDELL ID 83355 has filed two (2) companion Applications for Transfer with the Department of Water Resources for changes to the rights listed below.

PRESENTLY, Water Right No. 36-02297 (1.82 cfs) with a priority date of 03/23/1956 is diverted from groundwater within SE1/4NW1/4, S10 for irrigation of 91 acres within parts of S10, both T08S, R14E; Gooding County.

PRESENTLY, Water Right No. X36-07377A (2.12 cfs) with a priority date of 09/07/1973 and Water Right No. X36-07547A (3.08 cfs) with a priority date of 05/13/1975 are diverting a combined total of 4.36 cfs from two (2) groundwater wells within NE1/4NE1/4, S9 for irrigation of 283 acres within parts of Sections 3, 4, & 9, all T08S, R14E; Gooding County.

The purpose of **Transfer No. 5522** is to change a portion of the rights used to irrigate 105 acres to stockwater/commercial use for a new dairy located within Sections 9 & 10 by drilling two (2) new wells within SE1/4NW1/4, S10, all T08S, R14E; Gooding County to divert a combined total of 1.62 cfs using the following rights:

Water Right No.	Use	Amount (cfs)
X36-07377F	Stockwater	0.79
	Commercial	0.79
X36-07547F	Stockwater	1.14
	Commercial	1.14

The purpose of **Transfer No. 5523** is to change point of diversion, place of use, and create a permissible place of use for irrigation rights. A combined total of 2.31 cfs will be diverted from an existing well within NE1/4NE1/4 for irrigation of 123 acres within a 141 acre permissible place of use within NE1/4, S09, all T08S, R14E; Gooding County, using the rights listed below. Note these lands also have canal shares and will be the place of use of land application for waste from dairy.

Water Right No.	Priority Date	Amount (cfs)
36-02297	03/23/1956	1.82
X36-07377H	09/07/1973	0.24
X36-07547H	05/13/1975	0.35

After said proposed changes, 146 acres (2.25 cfs) will continue to be irrigated in Sections 3 & 4, T08S, R14E; Gooding County.

Any protest against the proposed changes must be filed with the Department of Water Resources, Southern Region, 1341 Fillmore St., Suite 200; Twin Falls, ID 83301 together with a protest fee of $25.00 on or before September 7, 1999 to be considered by the Department in its decision to grant or deny any part of the proposed change. **(Each transfer requires a separate protest).** The protestant must also send a copy of the protest to the applicant.

Karl J. Dreher, Director

Published in the Gooding County Leader on 08/19 & 08/26/99.

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FEB 0 2 2000

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

August 5, 1999

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

ATTN ARIE ROELOFFS
SOUTHFIELD DAIRY
3308 S 1600 E
WENDELL ID 83355

Re: Applicationsfor Transfer No. 5522 & 5523

Dear Applicant(s):

The Department of Water Resources acknowledges receipt of your Applicationsfor Transfer.

This office has scheduled advertising the applications in the Gooding County Leader for 8/19 & 8/26/99. The advertisement will be published for two weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If an application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

The department's review process may have to include field investigation and verification of the claims which is required as part of the Snake River Basin Adjudication.

State Office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely yours,

Corey Skinner, E.I.T.
Safety of Dams Engineer

cs:mb

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FEB 0 2 2000

MEMORANDUM

TO: Transfer #5522 and #5523 Files

FROM: Corey Skinner CS

DATE: July 28, 1999

SUBJECT: Staff Review

Transfer applications #5522 and #5523, both filed in the name of Southfield Dairy, are related applications. Transfer #5522 proposes converting a 105 acre portion of irrigation rights X36-07377A (T36-07377C) and X36-07547A (T36-07547C) to stockwater and commercial use for a proposed dairy. Transfer #5523 proposes modifying different portions of the same two rights, in addition to all of water right 36-02297, into a 141 acre permissible place of use.

The property involved with the two transfers consists of the majority of the NE ¼ of Section 09 (T08S, R14E) and the majority of the NW ¼ of Section 10 (T08S, R14E), both of which are adjoining parcels that are owned by Southfield Dairy. Currently portions of groundwater irrigation water rights X36-07377A and X36-07547A are appurtenant to the NE ¼ of Section 09 and groundwater irrigation water right 36-02297 is appurtenant to the NW ¼ of Section 10. The proposed dairy involved with Transfer #5522 is to be built in the NW ¼ of Section 10. However, due to the presence of canal water on this property, the water right (36-02297) associated with this property is supplemental in nature. The groundwater irrigation water rights (X36-07377A and X36-07547A) associated with the NE ¼ of Section 09 are not supplemental. Therefore, Southfield Dairy is proposing to convert portions of the primary rights associated with the Section 09 property to dairy rights for the proposed dairy in Section 10 as proposed in Transfer #5522. Transfer #5523 moves the water right from the Section 10 property to the Section 09 property, and deals with the remaining portions of the groundwater rights associated with the Section 09 property. Basically, Transfer #5522 describes the groundwater rights on the Section 10 property and Transfer #5523 describes the groundwater rights on the Section 09 property, after the proposal(s).

The applications should be fairly straightforward, but there are a few items that probably need further discussion. Examination of the Department's records indicate that there are two waste water rights, 36-04021 and 36-10916, that overlap the water rights associated with the Section 09 property. In addition, there is a waste water right, X36-04246, that overlaps a portion of the water right associated with the Section 10 property. Further examination of the X36-04246 right reveals that it was decreed on different ground, Section 03 to the north of Section 10, in the Snake River Basin Adjudication (see SRBA record 36-04246).

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FEB 0 2 2000

I discussed these waste water rights with Arie Roeloffs of Southfield Dairy. Mr. Roeloffs indicated that Southfield Dairy recently purchased these properties, along with surrounding properties, and he is just now beginning to comprehend the various nuances of the irrigation systems associated with the property. Further examination indicated that waste water rights 36-04021 and 36-10916 are diverted in Section 04, to the north of Section 09. An east/west county road runs along the north edge of Sections 09 and 10, separating Sections 09 and 10 from Sections 03 and 04. Mr. Roeloffs indicated that as far as he knew, the irrigation system(s) on the north side of this road were not tied into the irrigation system(s) on the south side of the road. Mr. Roeloffs indicated that he was primarily concerned with the groundwater rights, and therefore Transfers #5522 and #5523 do not address the waste water rights associated with the properties. Note that in 1995 the Department approved Transfer #4674, transferring a portion of groundwater rights 36-07377 and 36-07547, apparently without addressing the overlapping waste water rights.

The dairy transfer (#5522), describes the area where waste water from the dairy is to be land applied. The land application area is the same area as the 141 acre place of use described in Transfer #5523. The dairy transfer is based on allowing a volume of 3.0 acre-feet per acre for the 105 acres of water rights being converted to stockwater and commercial water rights.

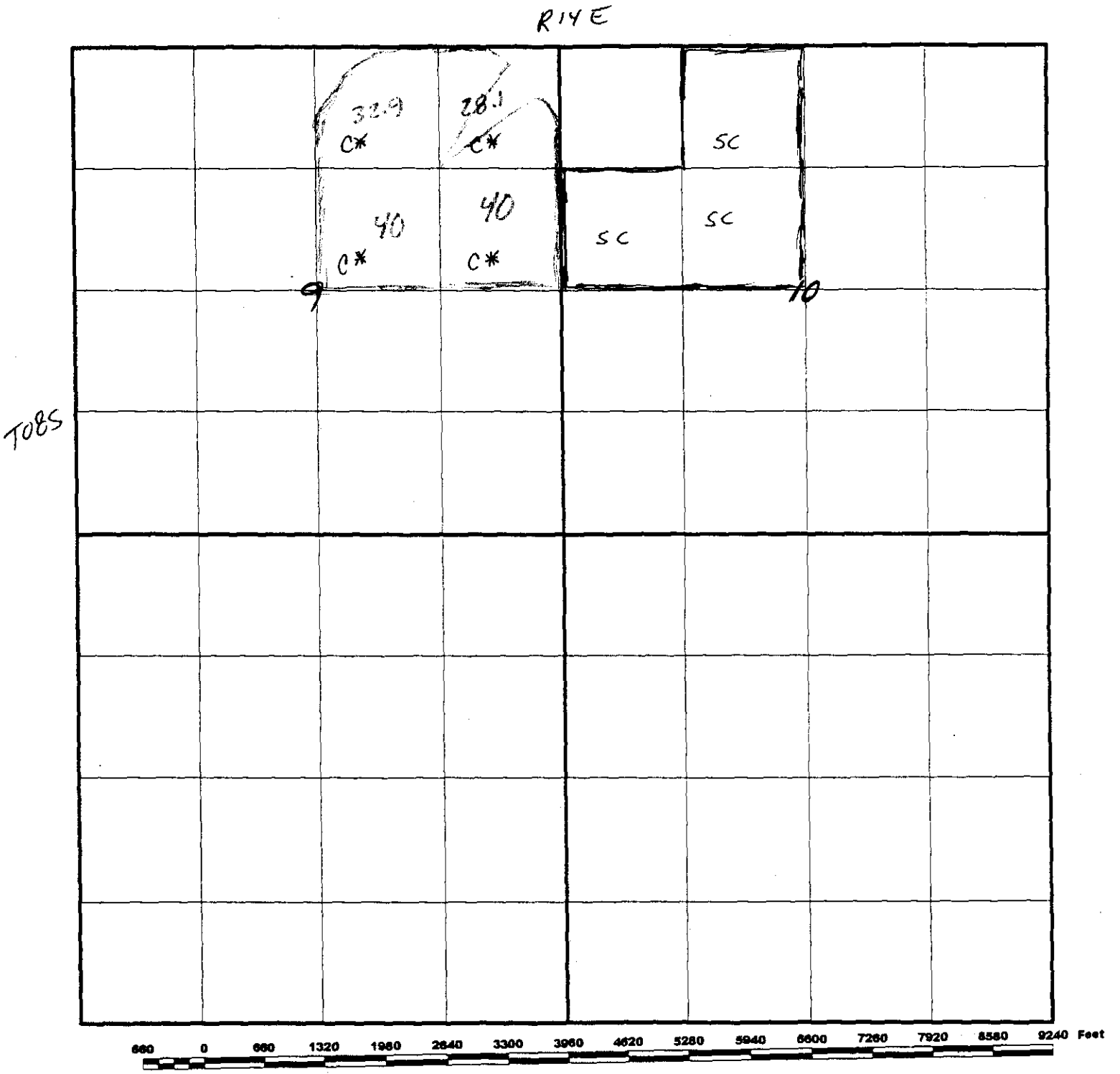
As of this date, Transfers #5522 and #5523 have not yet been GISed, but I plan on GISing the places of use proposed by these two transfers. The remaining, untransferred, portions of the rights associated with these transfers are appurtenant to lands that are not associated with this transfer. I spoke with Mr. Roeloffs about the need for filing additional transfers to clean up the water rights appurtenant to the surrounding lands. Mr. Roeloffs agreed that the water rights need to be corrected through the transfer process. We mutually agreed to address filing transfers for the surrounding properties at a later date. Perhaps, at this later date, the questions regarding the waste water rights appurtenant to the lands involved with Transfers #5522 and #5523 can be answered.

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FEB 0 2 2000

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IDAHO DEPARTMENT OF WATER RESOURCES



AFTER TRANSFERS

36-07377F

36-07547F

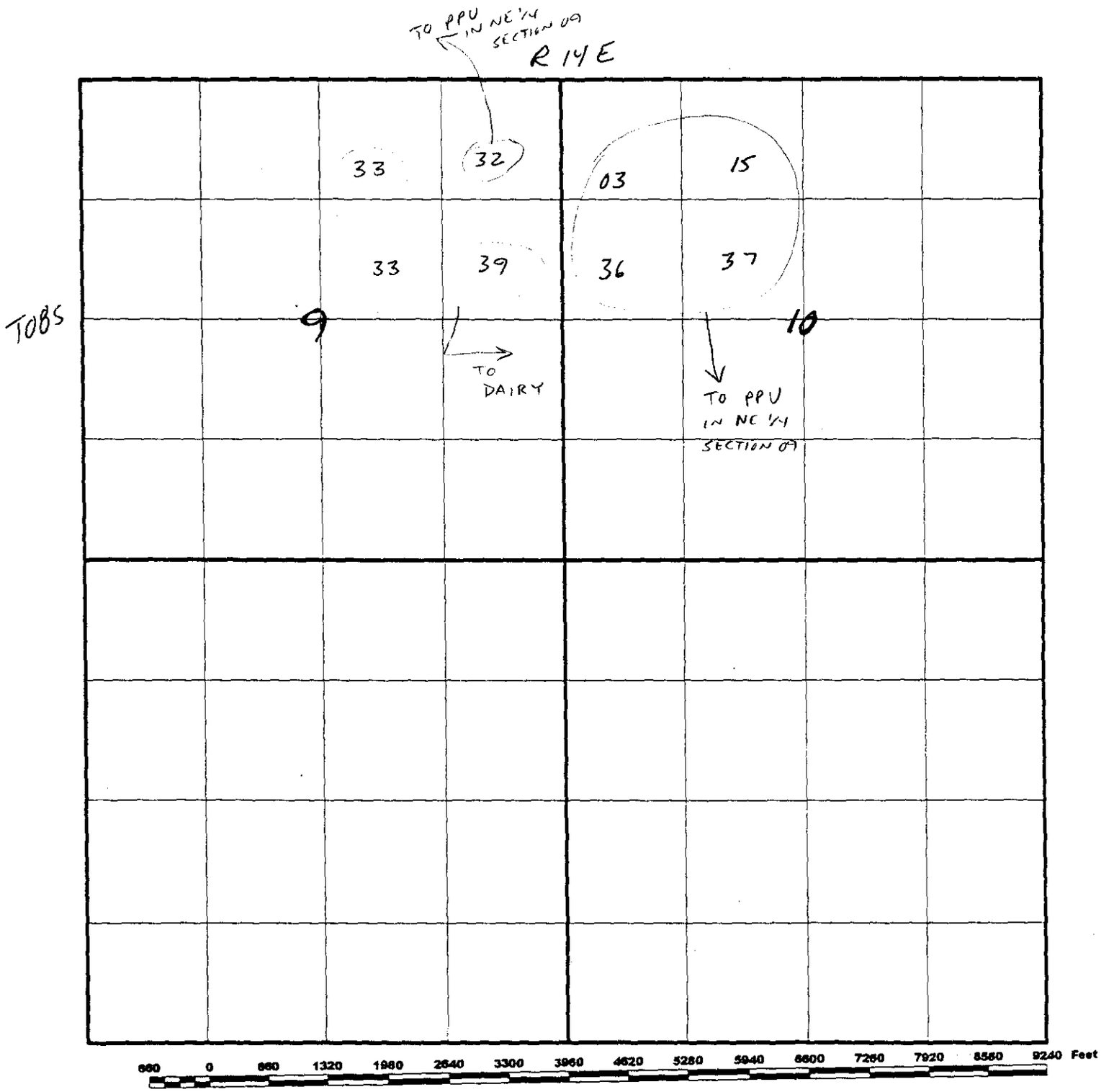
36-02297

36-07377H

36-07547H

MICROFILMED
FEB 0 2 2006

IDAHO DEPARTMENT OF WATER RESOURCES



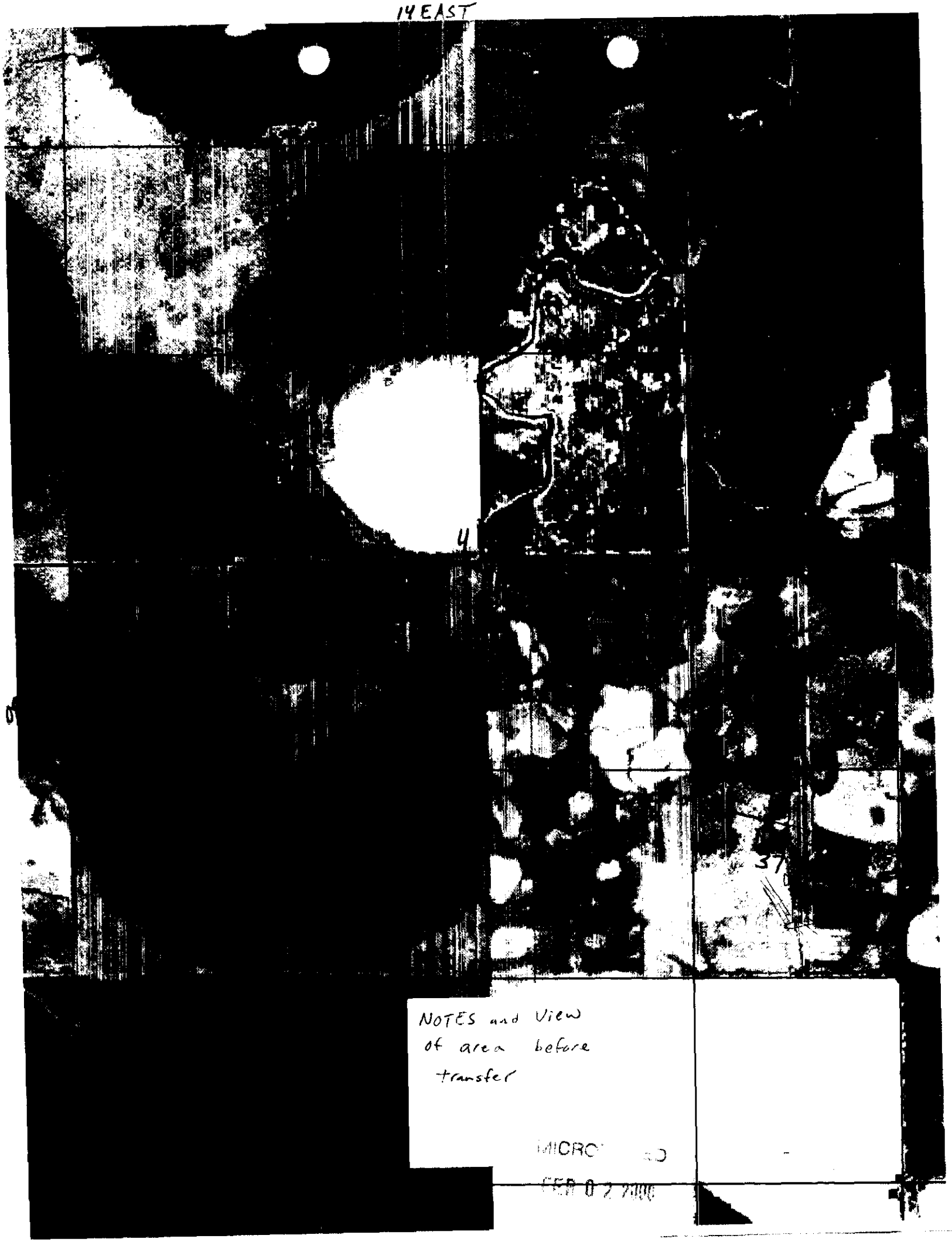
36-07377
36-07547 } PORTIONS

36-02297

BEFORE TRANSFERS

MICROFILMED
FEB 0 2 2008

14 EAST



NOTES and View of area before transfer

MICRO
FEB 0 7

Skinner, Corey

From: King, Scott
Sent: Wednesday, April 21, 1999 10:33 AM
To: Skinner, Corey
Subject: 36-02297, Lehmann

Corey,

Data in the mail. Please let me know if you need more. He didn't report acreage for 1996. 1995 well use was for stockwatering only, not for irrigation. It seems I remember Mr. Lehmann telling me in 1995 that he didn't really need the well unless Northside canal water was in short supply, and that historically the well was rarely used. But the well was used quite a bit in 1996, 97, and 98. Why?

I'm somewhat suspicious that the canal shares were sold or moved or leased or for some reason not used on this place of use for 1996-98. It looks like he diverted enough well water the last 3 years to irrigate the property without using canal shares. Based on what I remember him telling me in 1995, I don't think that '96-'98 is truly representative of historic use, and it would be good to get earlier energy records. I don't have them, but the USGS may. You may also want to check with Northside canal company to get records of prior water use.

Scott

MICROFILMED
FEB 0 2 2000

To: Casey Skinner
Southern IDWR

POD_NMBR	100409
WRNUMBER	36-02297
ADRES_ID	10310
NAME	LEHMANN, DENNIS
CONTACT	
DIV_NAME	
POD	08S 14E 10 SESENW
DISTRICT	NSG
REC_OP	Y
OP_NUM	2
AGREE_SENT	02/07/95
AGREE_RECD	Y
AGREE_REVW	05/31/95
AGREE_OK	Y
RPFM_SENT	/ /
DIV_RATE	1.820
UNITS	CFS
PRIOR_DATE	03/23/1956
STG	L
TOTL_ACRES	91.0
USES	01
OTHR_RIGHT	NORTH SIDE CANAL CO
TOT_WR_CFS	1.82
DUP_CFS	
TOT_WR_AF	364.0
TOT_WR_ACR	91.0
COMMENTS	
SITE_VISIT	08/14/96
INV_NAME	
PCC_DATE	08/14/96
EXAMINER	SKING
EXAM_CMPLT	Y
SITE_TAGNO	A0003790
GPS_FILNAM	M100618A
OFFSET	RCVR IS 2 FT WEST, 4 1/2 ABOVE WELL
TAG_LOCAT	TAG IS BANDED TO STEEL POLE 3 FT SE IF WELL, 6 FT HIGH
LONG	-114.8013489
LAT	42.7467850
ALTITUDE	973.5352914
IDTM_X	434486.47
IDTM_Y	183240.43
TRKNG_REQD	
SYSTM_TYPE	O
GPM_A	**845**
KW_A	15.1
PSI_A	0
PCNT_A	100
GPM_B	0
KW_B	0.0
PSI_B	0
PCNT_B	0
GPM_C	0
KW_C	0.0
PSI_C	0

RECEIVED
APR 23 1999
Department of Water Resources
Southern Region

MICROFILMED
FEB 02 2000

04/21/99

PCNT_C	0
MOTOR_HP	15
MAX_GPM	845
PCC_95	0.0
PCC_96	97.1
PCC_97	0.0
RPT_PSI_96	
RPT_PSI_97	
UTILITY	IP
POLE_NO	900
SERVICE_NO	
PWRMTR_MAN	G
PWRMTR_NO	92528364
ACCT_NO_95	
ACCT_NO_96	[redacted]
ACCT_NO_97	
PWRMTR_BEG	
PWRMTR_END	92528364
TOT_KWH_95	1717
TOT_KWH_96	25464
TOT_KWH_97	0
PCC_AF_95	~~0.0~~ 17.7 AF
PCC_AF_96	262.2 - AF
PCC_AF_97	0.0
PCCAF95QAL	
PCCAF96QAL	1
PCCAF97QAL	
CROP_ACR95	0
CROP_ACR96	0
CROP_1_96	
ACRE_1_96	0
CROP_2_96	
ACRE_2_96	0
CROP_3_96	
ACRE_3_96	0
CROP_4_96	
ACRE_4_96	0
CROP_ACR97	0
CROP_1_97	
ACRE_1_97	0
CROP_2_97	
ACRE_2_97	0
CROP_3_97	
ACRE_3_97	0
CROP_4_97	
ACRE_4_97	0
SYST_MOD96	
SYST_MOD97	
LINKED_95	1A
LINKED_96	1
LINKED_97	
W_SOR	W

97 kwh = 29,510

98 kwh = 21,619

97 Acre-feet = 211.2

98 Acre-feet = 222.65

MICROFILMED

FEB 0 2 2000

EXAM_NOTES Appears incorrect idaho power account number reported for 1996, changed from 04550121061, energy use from 45,711 kwh (SKING 2/18/98).

QMTR_TYPE	
QMTR_MANUF	
QMTR_MODEL	
QMTR_SN	
QMTR_LOC	
QMTR_INSTL	/ /
QMTR_CALIB	/ /
CALIB_MULT	0.00
QMTR_CFS95	0.00
QMTR_CFS96	0.00
ADJ_CFS_96	0.00
QMTR_CFS97	0.00
ADJ_CFS_97	0.00
RATE_MULT	0.0
RATE_UNITS	
QMTR_AF_95	0.0
ADJ_AF_95	0.0
ACEPT_AF95	
QMTR_AF_96	0.0
ADJ_AF_96	0.0
ACEPT_AF96	Y
QMTR_AF_97	0.0
ADJ_AF_97	0.0
ACEPT_AF97	
VIWAW	
TWO_METERS	
VOL_QUAL95	
VOL_QUAL96	
VOL_QUAL97	
VOLUM_MULT	0.0000
VOLUM_UNIT	
WL_ACCESS	Y
NET_WELL	
STAT_WL_95	0.0
SWL_DATE95	/ /
ACPT_SWL95	
STAT_WL_96	0.0
SWL_DATE96	/ /
ACPT_SWL96	
STAT_WL_97	0.0
SWL_DATE97	/ /
ACPT_SWL97	
PMPNG_WL95	0.0
PWL_DATE95	/ /
ACPT_PWL95	
PMPNG_WL96	0.0
PWL_DATE96	/ /
ACPT_PWL96	
PMPNG_WL97	0.0
PWL_DATE97	/ /
ACPT_PWL97	
MEAS_CMT95	
MEAS_CMT96	Open discharge well, '96 acres not reported
MEAS_CMT97	

MICROFILMED
FEB 0 2 2000

04/21/99

WMP2_RECD	/ /
REPT_RCD95	06/19/96
FEE_RECD95	01/01/01
REPT_RCD96	01/15/97
FEE_RECD96	01/15/97
REPT_RCD97	/ /
FEE_RECD97	/ /
REPT_RCD98	/ /
FEE_RECD98	/ /
CALL_UP	/ /
PND_EFFECT	
PND_REASON	
PND_ISSUED	/ /
PND_DEADLN	/ /
NOV_EFFECT	
NOV_REASON	
NOV_ISSUED	/ /
NOV_DEADLN	/ /
IW_SOR_96	W
I_NAME	LEHMANN*DENNIS
I_MTRNO	92559981
I_MTRMFG	G
HIGHCFS_96	1.88
ACREFT_96	262.2
MEAS_MTHD	PCC
VOLUMEQUAL	1

MICROFILMED
FEB 0 2 2009

December 28, 1960

Re: License No. G-26272
Kenneth J. & Peal Lehman

David R. Mead, Assistant Manager
Twin Falls Branch Office
Utah Mortgage Loan Corporation
P. O. Box 571, Twin Falls, Idaho

Dear Mr. Mead:

Water License No. G-26272 was issued for 2.0 c.f.s. from the well you described in your letter of December 27th, priority of March 23, 1956, to irrigate 118 acres of land in NW¼, Section 10, Township 8 North, Range 14 East.

The engineer's report shows depth to water 45 feet and depth of well 67 feet. No data on draw down.

Very truly yours,

GEO. N. CARTER
State Reclamation Engineer

By:

RALPH W. THOMAS, Deputy
State Reclamation Engineer

RT:ew

G26272

ESTABLISHED 1892

UTAH MORTGAGE LOAN CORPORATION

LOGAN, UTAH

BRANCH OFFICE
TWIN FALLS, IDAHO
P. O. BOX 571
233 SHOSHONE ST. N.
PHONE
REDWOOD 3-7680

RECEIVED
DEC 28 1960
Department of Reclamation

December 27, 1960

State of Idaho
Department of Reclamation
Boise, Idaho

Gentlemen:

We are contemplating on making a loan to Mr. K. J. Lehman on his property located in the Northwest Quarter of Section 10, Township 8, South Range 14 East Boise Meridian, Gooding County, Idaho. Mr. Lehman has a deep irrigation well and we would like to receive information from you pertaining to that well.

The well is located in the Southeast corner of the above-described land.

We would like to know the application number, the permit number, the amount of water allotted, how many acres he can irrigate from the well, the actual discharge, and any other information that you may have on file that would help our Loan Committee in making a decision.

Thank you very much for your help and cooperation, and we hope to hear back from you at your earliest convenience.

Sincerely yours,

David R. Mead, Assistant Manager
Twin Falls Branch Office

DRM/jr

G-26272

G-26272

IN REPLYING REFER TO
NO. T-Application - K. J. Lehman

January 22, 1957

Re: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. Lehmann:

We enclose Certificate of Completion of Works and License and Certificate of Water Right issued under Permit No. G-26272 for the diversion of and confirming your right to the use of 2.0 second feet of water from underground source with point of diversion in the SE corner of the NW¼ of Section 10, Township 8 South, Range 14 East B.M., with priority of March 23, 1956, for irrigation of land in the NW¼ of Section 10.

Also enclosed is departmental receipt no. G-2390 for $13.00 issued for the payment of $5.00 fee for Certificate of Completion of Works and $8.00 fee for License.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

ER:nls
Enclosures (3)

G 26272

ROBERT E. SMYLIE
GOVERNOR

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
MARK R. KULP, STATE RECLAMATION ENGINEER
BOISE

September 6, 1956

RE: Permit No. G-26272

Mr. and Mrs. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. & Mrs. Lehmann:

We now have on file the report of our field engineer on examination for completion of works and beneficial use on your Permit No. G-26272 which shows that your well in the SE¼NW¼ Section 10, Township 8 South, Range 14 East, B.M. will deliver 100 inches or 2.0 second feet of water which has been used to irrigate 118 acres of land in the NW¼ Section 10.

A Certificate of Completion of Works and License can, therefore, be issued for 2.0 second feet of water upon receipt of the statutory fees amounting to $5.00 for completion of works and $8.00 license fee or a total of $13.00.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Edna P. Rutledge
Chief Clerk

R:hll

Enclosed find Money order.
To pay for Same.
K. J. Lehmann 26272

September 6,1956

RE: Permit No. G-26272

Mr. and Mrs. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. & Mrs. Lehmann:

We now have on file the report of our field engineer on examination for completion of works and beneficial use on your Permit No. G-26272 which shows that your well in the SE¼NW¼ Section 10, Township 8 South, Range 14 East, B.M. will deliver 100 inches or 2.0 second feet of water which has been used to irrigate 118 acres of land in the NW¼ Section 10.

A Certificate of Completion of Works and License can, therefore, be issued for 2.0 second feet of water upon receipt of the statutory fees amounting to $5.00 for completion of works and $8.00 license fee or a total of $13.00.

Very truly yours,

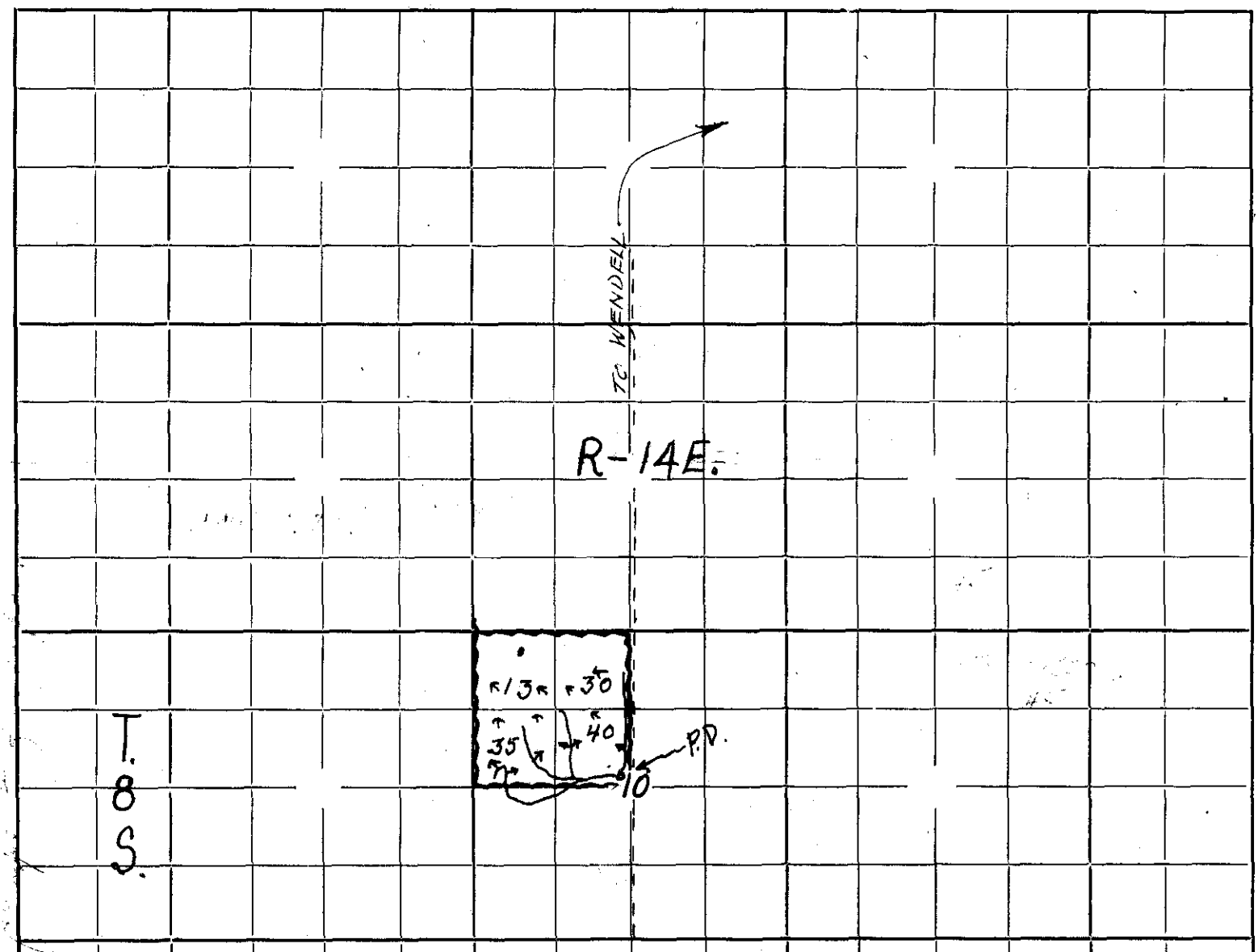
MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

R:hll

MICROFILMED

FEB 0 2 2006



Subdivisions = four
Area = 18 acres.
Q = 100 inches

Scale: 2 Inches Equals 1 Mile. Draw Map In Ink.

S26272

Form 23

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE

REPORT OF ENGINEER

PERMIT NO. G-26272

REPORT ON PROOF OF Completion of works and beneficial Use

app. 2.0 cfs

Sup. 4
acres - 118

2.0 cfs
each

INSTRUCTIONS TO EXAMINERS

1. Always carefully note the location of the point of diversion and accurately plat same.
2. When proof is for beneficial use, carefully check up the number of acres actually irrigated in each forty and accurately plat same.
3. Make a map showing the correct location of streams and ditches, and the irrigated lands, and any adjacent permanent landmarks, such as towns, lakes, large streams and public roads.
4. If any unusual conditions are discovered, make plain statement of them under remarks.
5. Always see the holder, if possible, and go over the whole ground with him and make your report only upon actual existing facts and conditions.
6. Give general characteristics of soils, topography, and crops raised.

RECEIVED
AUG 29 1956
Department of Reclamation

Kenneth J. and Pearl Lohmann
Wendell, Idaho

Permit No. G-26272

Examination for Completion of Works & Beneficial Use

County Gooding

10-8S-14E.

Q = 2.0 c.f.s.

S = Well

P.O. = SE. cor. of NW¼, Sec. 10, T. 8S.-R. 14E.

Use = Irrigation

Filed = March 23, 1956.
Exam = March 26, 1958

well = 67' x 16"

h. = 45' S.P. = ?

240V meter cable Pump #1995259S

G.E. Control panel.

G.E. 15 hp. moto) 240V 39.2a 1745 r.p.m. ZG3 6875-910

Layne R. Turb. 18453

Conc. curb 3'x3' no protect.)

Shaded by Poplar (Windbreak) 8" dia. 3 x 3' Open Ditch

Form 23

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE, IDAHO

REPORT OF ENGINEER

Permit No. G-26272

This proof is for Completion of Works & Beneficial Use In Water District No.

1. Name of applicant Kenneth J. and Pearl Lehmann

2. Source of water supply: Subterranean flow from a well

3. Location of point of diversion: Is in the SE corner of the NW¼ of Section 10

T. 8 S R. 14 E., B.M. County of Gooding

4. Describe works as they exist, giving dimensions and capacities of same:

15 h.p. G.E. Motor #2GJ6875910.

Layne Bowler Turbine #18453 Delivery thru 8" pipe to open ditch - to fields by gravity.

5. Water is used for: Irrigation

6. State whether or not water has been turned into works of diversion: Yes.

7. List legal subdivisions of lands to be irrigated. If proof is for beneficial use, give exact number of acres under cultivation in each forty-acre tract. (Describe manner and place of use if other than irrigation):

NW¼ of Sec. 10., Twp. 8 S., Rge. 14 E., B.M.

See map.

(Submit map on attached plat, showing location and details of above description.)

8. What large stream would the water here appropriated finally reach?

Remarks:

Water was not measured. Delivery was thru an 8" pipe and there was 100" without doubt being pumped.

This place was sold by Austin Shoemaker for $2100 with 60 shares of Canal water. Lehmann sold 20 shares and used the money to put in the well.

This examination was made on the 20 day of Aug, 19 56

(Signed) E. N. Humphreys Examiner.

G 26272

August 13, 1956

RE: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. Lehmann:

State law requires an inspection in connection with any Permit being brought to license within the State of Idaho.

I intend to make inspection in connection with your Permit on Monday, August 20, sometime in the mid-forenoon.

Please be prepared to accompany me on this inspection. I will drive to the place where the well is located.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

E. N. Humphrey
Deputy State Reclamation Engineer

H:hll

G26272

May 25, 1956

Re: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell, Idaho

Dear Mr. Lehmann:

We acknowledge receipt of the depositions of yourself and two witnesses, also affidavit of publication in the Wendell Irrigationist, all submitted in proof of completion of works and beneficial use on Permit No. G-26272.

Before final action is taken in the matter, the law requires that a field examination be made by an engineer from this department.

We cannot tell just when this examination will be made, but our field engineer will try and contact you at the time he makes the examination so that arrangements may be made to show him over the grounds.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

EPR

G26272

RECEIVED
MAY 25 1956
Department of Reclamation

Wendell, Idaho
May 18, 1956

Mr. Mark R. Kulp
State Reclamation Engineer
Department of Reclamation
Boise, Idaho

Dear Sir:

We are enclosing the following papers in connection with proof of application of water from underground sources to beneficial use and completion of works:

Well Log and report to the State Reclamation Engineer of Idaho, signed by the well driller, C. B. Eaton & Sons.

Affidavit of Publication of Notice of Proof of Completion of Works and Application of Water to Beneficial Use, published for four issues in the Wendell Irrigationist, signed by Richard S. Eaton.

Deposition of Holder signed by Kenneth J. Lehmann and Pearl Lehmann.

Deposition of Witness Homer Goble.

Deposition of Witness Orville Beadz.

We shall await your further instructions.

Very truly yours,

Kenneth J. Lehmann

Kenneth J. Lehmann

Encs.

S-26272

Form 16.

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

Permit No. G26272

Proof of Application of Water to Beneficial Use and Completion of Works

Deposition of Holder

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. Kenneth J. Lehmann and Pearl Lehmann, Wendell, Idaho, farmers

Ques. 2. If acting in behalf of corporation, state its name, principal place of business (if a foreign corporation, give name of postoffice of statutory agent), your position with reference to same, and your authority for appearing in its behalf.

Ans. ----

Ques. 3. State number and date of permit, and date of priority you propose to establish under the permit.

Ans. Permit No. is G26272, dated March 26, 1956, date of priority March 23, 1956.

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. water supply underground water and well is located in southeast corner of the NW¼ of Section 10, Twp. 8 S. R. 14 E.B.M., Gooding County, Idaho

Ques. 5. Describe your works of diversion, and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place of use. If a well, state depth of well, depth and size of casing and depth to water. If pump is used, state discharge of pump and tell how it was measured or determined. If sprinkler irrigation, give number and size of nozzles and operating pressure.

Ans. Works consist of well, pump and ditches. Depth of well is 67 feet, with standing water at 47 feet, contains 6 ft. of 12" casing. Pumps 2 cu. ft. of water, measured by the Idaho Power Co., and also by ditch rider's water weir.

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have actually been irrigated with said water.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Water used for irrigation. Used on all of S½ of NW¼ and portions of the N½ of the NW¼. S½ of said NW¼ is cultivated land but some of N½ of said NW¼ is natural meadow land. Improvements have been ditches, fences, cement checks, improved land and better crops.

G26272

Ques. 7. If for other than irrigation purposes; state how applied, amount of horse power generated, etc.

Ans. ---

Ques. 8. What is the minimum amount of water required for the purpose specified above?

Ans. At least 2 cu. ft. of water

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans. ---

Ques. 10. State when, how, in what amount and to what extent the water diverted under above mentioned permit has been used.

Ans. Water has been diverted from the well on the land above described since April 1952, for irrigation purposes. 2 cu. ft. of water or capacity of well has been used.

Ques. 11. State when, how, in what amount and to what extent waters other than those diverted under the above mentioned permit have been diverted and applied to beneficial use upon the lands herein described. Give full particulars regarding such other appropriations and rights claimed thereunder.

Ans. 30 shares of North Side Canal Co., Ltd. water has been used on the N½ of said NW¼ for irrigation purposes. Have used this water for approximately 14 years.

(Sign) Kenneth G. Lehman ux
Pearl Lehmann

I hereby certify that the foregoing testimony was read to the above subscribed before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Wendell, County of Gooding, State of Idaho, on this 18th day of May, A. D. 19 56,

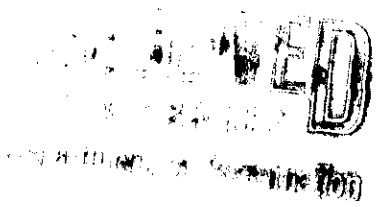
Loretta M. Stickling
Notary Public, Wendell, Idaho

My commission expires 3/1/59

S6272

Form 17-A

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO



Permit No. G26272

Proof of Application of Water to Beneficial Use and Completion of Works

Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Homer L. Goble, age 61, residence Wendell, Idaho, Manager of store

Ques. 2. Are you acquainted with Kenneth J. Lehmann and Pearl Lehmann, the holder of Permit No. G26272? How long have you known him and where does he reside?

Ans. 16 years and he resides near Wendell, Idaho

Ques. 3. Have you read or heard read said Permit No. G26272, and are you familiar with its provisions and conditions?

Ans. yes

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Underground water supply from well in southeast corner of the NW¼ of Section 10, Twp. 8 S. R. 14 E.B.M. Gooding County, and carried by ditches with headgates, etc.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. at least 2 cu. ft. of water.

Ques. 6. (Pumps) How much water in cubic feet per second, miner's inches, or gallons per minute have you seen the pump deliver, and how did you measure or estimate the amount?

Ans. 2 cu. ft. of water, and it was measured by Idaho Power Co., the well digger, and also by weir of the canal company.

G26272

Ques. 7. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Water is used for irrigation. Used on all of S½ of the NW¼ and portions of the N½ of said NW¼. S½ of said NW¼ is cultivated land but some of the N½ of said land is meadow land. Improvements have been ditches, fences, cement checks, improved land and better crops.

Ques. 8. If for power or other purposes than irrigation, state how water has been applied and to what etxent.

Ans. ---

Ques. 9. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Sandy. At least 2 cu. ft. is required.

Ques. 10. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. no.

Ques. 11. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. Water diverted on said land since April 1952, in the amount of 2 cu. ft. for irrigation purposes.

(Signed) Homer L. Noble

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Wendell, County of Gooding, State of Idaho, on this 18th day of May, A. D. 19 56.

Loretta M. Strickling
Notary Public.

My commission expires 3/1/59

S 26272

Form 17-A

STATE OF IDAHO
DEPARTMENT OF RECLAMATION
BOISE, IDAHO

RECEIVED
MAY 25
Department of Reclamation

Permit No. G26272

Proof of Application of Water to Beneficial Use and Completion of Works

Deposition of Witness

The deposition of two witnesses, on this form, taken separately, required in each case.

Ques. 1. State your name, age, residence, occupation and postoffice address.

Ans. Orville Beadz, age 37, residence, Wendell, Idaho, farmer

Ques. 2. Are you acquainted with Kenneth J. Lehmann and Pearl Lehmann, the holder of Permit No. G26272? How long have you known him and where does he reside?

Ans. Have known them 15 years, and they reside near Wendell, Idaho

Ques. 3. Have you read or heard read said Permit No. G26272, and are you familiar with its provisions and conditions?

Ans. yes

Ques. 4. State source of water supply, place of diversion, and describe works for conveying water from point of diversion to place of use.

Ans. Underground water supply from well in southeast corner of the NW¼ of Section 10, Twp. 8 S. R. 14 E.B.M., Gooding County, and carried by ditches with headgates, etc.

Ques. 5. How many second feet of water do you estimate said works will safely conduct to place of use, and how much water have you seen being so conveyed?

Ans. At least 2 cu. ft. of water.

Ques. 6. (Pumps) How much water in cubic feet per second, miner's inches, or gallons per minute have you seen the pump deliver, and how did you measure or estimate the amount?

Ans. 2 cu. ft. of water, and it was measured by Idaho Power Co., the well digger, and also by weir of the canal company.

G26272

Ques. 7. State for what purpose water is used and at what place. (If for irrigation, give each subdivision in which water has been used and number of acres irrigated in each subdivision.) State whether cultivated or natural meadow land and the nature of all improvements which have been made as a direct result of said use.

Ans. Water is used for irrigation. Used on all of S½ of the NW¼ and portions of the N½ of said NW¼. S½ of said NW¼ is cultivated land but some of the N½ of said land is meadow land. Improvements have been ditches, fences, cement checks, improved land and better crops.

Ques. 8. If for power or other purposes than irrigation, state how water has been applied and to what etxent.

Ans. ---

Ques. 9. (If for irrigation) state character of land that has been reclaimed, and give your estimate of the amount of water required for its profitable cultivation.

Ans. Sandy. At least 2 cu. ft. is required.

Ques. 10. Have you any interest in the works, water or lands above mentioned? If so, in what way and to what extent?

Ans. no

Ques. 11. State when, how, in what amount and to what extent you have witnessed the application to beneficial use of water diverted under said permit.

Ans. Water diverted on said land since April 1952, in the amount of 2 cu. ft., for irrigation purposes.

(Signed) Orville Beach

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me in Wendell, County of Gooding, State of Idaho, on this 18th day of May, A. D. 19 56.

Loretta M. Stricklin
Notary Public.

My commission expires 3/1/59

L26272

Affidavit of Publication

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 2 P. M., on the 18th day of May, 1956, at Wendell, County of Gooding, State of Idaho, before Loretta Strickling, Notary Public, proof will be submitted of the completion of works for the diversion of two cubic feet per second of the waters of underground and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-26272 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the persons holding said permit are Kenneth J. Lehmann and Pearl Lehmann, Wendell, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use, in accordance with the plans accompanying the application for such permit, is 2 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 2 cubic feet per second.

4. The place where said water is used is the Northwest Quarter of Section 10, Township 8 S. R. 14 E. B. M., Gooding County, Idaho.

5. The date of priority which said user is prepared to establish is March 23, 1956.

MARK R. KULP
State Reclamation Engineer
Pub. April 26 May 3-10-17 1956

STATE OF IDAHO }
County of Gooding } ss

Richard S. Eaton

being duly sworn, says that he is of lawful age and is the editor of THE WENDELL IRRIGATIONIST, a weekly newspaper of general circulation published at Wendell, in the County of Gooding, State of Idaho; that the attached printed copy hereto annexed was published in THE WENDELL IRRIGATIONIST, in the regular edition thereof and not in a supplement, for consecutive weeks, commencing on the 26 day of April, 1956 and ending on the 17 day of May, 1956

Richard S. Eaton, Editor

Subscribed and sworn before me this 18th day of May, 1956

Loretta Strickling
Notary Public in and for the County of Gooding
State of Idaho

My commission expires 3/1/59, 19___

G26272

April 27, 1956

RE: PERMIT No. G-26272

Wendell Irrigationist
Wendell
Idaho

Gentlemen:

We have checked the Notice for proof of Completion of Works and application of water to Beneficial Use on Permit No. G-26272 in the names of Kenneth J. Lehmann and Pearl Lehmann, appearing in your issue of April 26, 1956, and find the following errors:

(1) If you will note the heading, as you have it reads "Notice of Proof of Completion of Works and Application of Water For Beneficial Use". This should read - Notice of Proof of Completion of Works and Application of Water To Beneficial Use -.

(2) In the 9th line from the top in the first paragraph you left out the word of before underground. This should read "waters of underground --".

(3) The last word in the 10th line of the first paragraph you have the word such. This should read "application to Beneficial Use of said water,"

(4) In the second paragraph numbered 1. in the third and fourth lines you spelled the name Lehmann with just one n. This should be spelled "Lehmann".

(5) In the third paragraph numbered 2. in the fifth line you left out the words "capable of" which should be in front of the word conveying. It should read "are capable of conveying to the Place of Use,"

(6) In the paragraph numbered 5. in the second line you will note that you have added the word water. This should be omitted and read "said user is prepared to --".

Please make the above stated corrections in your subsequent issues.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

R:cu

Chief Clerk

G26272

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER FOR BENEFICIAL USE

Notice is hereby given that at 2 P. M., on the 18th day of May, 1956, at Wendell, County of Gooding, State of Idaho, before Loretta Strickling, Notary Public, proof will be submitted of the completion of works for the diversion of two cubic feet per second of the waters underground and of the application to beneficial use of such water, in accordance with the terms and conditions of Permit No. G-26272 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the persons holding said permit are Kenneth J. Lehman and Pearl Lehman, Wendell, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are conveying to the place of use, in accordance with the plans accompanying the application for such permit, is 2 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 2 cubic feet per second.

4. The place where said water is used is the Northwest Quarter of Section 10, Township 8 S. R. 14 E. B. M., Gooding County, Idaho.

5. The date of priority which said water user is prepared to establish is March 23, 1956.

MARK R. KULP
State Reclamation Engineer

Pub. April 26 [illegible]

April 23, 1956

RE: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. Lehmann:

In accordance with a note from Loretta Strickling, Notary Public, we have sent to the Wendell Irrigationist, notice for publication in proof of completion of works and beneficial use on your permit No. G-2 6272, to be made May 18, 1956, before her as Notary.

We have instructed the newspaper to publish the notice once a week for four weeks prior to the date set for proof and to send you the affidavit of publication together with statement of costs.

At the time set, you should appear before Loretta Strickling, Notary Public, together with two disinterested witnesses who are familiar with the terms of the permit and the work done thereunder, for the purpose of executing the enclosed depositions.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

R:hll
Enc.
cc - Loretta Strickling

G26272

STATE OF IDAHO

DEPARTMENT OF RECLAMATION

BOISE, IDAHO

Date: April 23, 1956

RE: Permit No. G-26272

Wendell Irrigationist
Wendell
Idaho

Gentlemen:

Enclosed you will find notice for publication once a week for four consecutive weeks prior to May 18, 1956 the date set for proof, the expense of the publication to be paid by the applicant, Kenneth J. Lehmann of Wendell, Idaho , to whom you should furnish proof of publication on or prior to the date set for proof.

Please acknowledge receipt of this notice, and furnish this office with a copy of the first publication, in order that we may check same.

Very truly yours,

MARK R. KULP

State Reclamation Engineer
By

Chief Clerk

G26272

4/19/56

If these papers are in order and you are able to return the notice to the Irrigationist for the next publication, will you please send the deposition papers to Mr. Lehmann at your convenience.

Thank you.

Loretta Strickling
Wendell, Idaho

S26272

RECEIVED
APR 20 1956
Department of Reclamation

Form No. 11

RECEIVED
APR 20 1956
Department of Reclamation

NOTICE TO ACCOMPANY THIS LETTER MUST BE MADE IN DUPLICATE

(Date) April 19, 1956

(P. O.) Wendell, Idaho

TO THE STATE RECLAMATION ENGINEER:

Boise, Idaho

Dear Sir:

You are hereby authorized to have the attached notice published at my expense in the Wendell Irrigationist **of** Wendell, Idaho **published in the county in which the works are situated.**

Kenneth J. Lehmann and Pearl Lehmann

By. Pearl Lehmann

(In case of canals or other works designed to divert and carry more than 50 cubic feet of water per second, the following certificate must be signed by a well-known and competent engineer.)

I hereby certify that the facts set forth in the attached notice are true.

Engineer.

26272

Form 36

NOTICE OF PROOF OF COMPLETION OF WORKS
and
APPLICATION OF WATER TO BENEFICIAL USE

Notice is hereby given that at 2 M., on the 18th day of May, 1956, at Wendell, County of Gooding, State of Idaho, before Loretta Strickling, Notary Public proof will be submitted of the completion of works for the diversion of two cubic feet per second of the waters of underground and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. 26272 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the ~~person or corporation~~ holding said permit are Kenneth J. Lehmann and Pearl Lehmann, Wendell, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use, in accordance with the plans accompanying the application for such permit, is 2 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 2 cubic feet per second.

4. The place where said water is used is the Northwest Quarter of Section 19, Township 8 S. R. 14 E. B. M., Gooding County, Idaho.

5. The date of priority which said user is prepared to establish is March 23, 1956.

MARK R. KULP
State Reclamation Engineer

26272

April 16, 1956

RE: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. Lehmann:

We have your letter of April 13, 1956, stating that you are prepared to make proofs of completion of works and beneficial use on your Permit No. G-26272.

Before these proofs are made, the statutes require publication of a notice once a week for four weeks in a county newspaper. This notice should be made in duplicate on Form 36 enclosed, setting the time and place and naming the notary public before whom the proofs are to be made.

The proofs may be made at any place convenient for you and your two witnesses but the date must be set far enough ahead to allow for four weeks publication.

Both copies of Form 36 to be returned to this department together with Form 11 which is your authorization for us to have the notice published at your expense in the designated county newspaper.

We shall then send a copy of the notice to the newspaper with instructions in regard to publishing and shall send you the forms of deposition to be executed by yourself and two disinterested witnesses in making these proofs.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

B26272

Chief Clerk

R:hll
Enc.

RECEIVED
APR 16 1956
Department of Reclamation

Wendell, Idaho
April 13, 1956

State of Idaho
Department of Reclamation
Boise, Idaho

Attention of Chief Clerk, Edna P. Rutledge

Gentlemen:

We have received our Permit No. G-26272 and we wish to at this time make publication in the Wendell Irrigationist so we can make proof of beneficial use.

Will you please send us the necessary forms to filled in and returned to you.

Thanks.

Very truly yours,
Kenneth J. Lehmann
Kenneth J. Lehmann

G26272

March 30, 1956

RE: Permit No. G-26272

Mr. Kenneth J. Lehmann
Wendell
Idaho

Dear Mr. Lehmann:

We enclose Permit No. G-26272 in the name of yourself and Pearl Lehmann and direct your attention to the limitations and conditions as given on the fourth page under approval of the State Reclamation Engineer.

You will note that we have allowed two years within which to make your proof of completion of works and beneficial use. However, these proofs may be made at any time that you are prepared to make them and we shall be glad to send you the necessary forms and instruction upon request.

We also enclose departmental receipt No. G-1774 for the $5.25 filing fee.

Very truly yours,

MARK R. KULP
State Reclamation Engineer
By

Chief Clerk

R:hll
Enc.

G26272

RECEIVED
MAR 27 1956
Department of Reclamation

Wendell, Idaho
March 20, 1956

Mr. Mark R. Kulp
Department of Reclamation
Boise, Idaho

Dear Mr. Kulp:

You will find enclosed completed application for Permit to use underground water in Gooding County, also our check in the amount of $5.25 to cover filing fee.

If the application is in order and approved, will you please send, when it is returned to us, the necessary papers for completion to advertise proof of use in the Wendell Irrigationist.

Would also like the forms for Affidavits to be filled in by the two witnesses and us.

Very truly yours,

Kenneth J. Lehmann

Mr. & Mrs. Kenneth J. Lehmann

Enc.

26272

NAME OF APPLICANT Kenneth Lehmann and Pearl Lehmann, husband and wife

Form No. 0

Section 10, T. 8 S. R. 14 E.B.M.

N

W

pump

E

S

160 acres -- NW¼

Permit Map No. 1-26272
As Approved
MAR 27 1956
MARK R. KULP
State Reclamation Engineer

SCALE: 2 Inches Equal 1 Mile. Draw Plan in Ink.

S26272

NOTICE OF PROOF OF COMPLETION OF WORKS AND APPLICATION OF WATER TO BENEFICIA SE

Notice is hereby given that at 2 P. M., on the 18th day of May, 1956, at Wendell, County of Gooding, State of Idaho, before Loretta Strickling, Notary Public, proof will be submitted of the completion of works for the diversion of two cubic feet per second of the waters of underground and of the application to beneficial use of said water, in accordance with the terms and conditions of Permit No. G-26272 heretofore issued by the Department of Reclamation of the State of Idaho.

1. The name and postoffice address of the persons holding said permit are Kenneth J. Lehmann and Pearl Lehmann, Wendell, Idaho.

2. Said works of diversion will be fully completed on the date set for such completion, and the amount of water which said works are capable of conveying to the place of use, in accordance with the plans accompanying the application for such permit, is 2 cubic feet per second.

3. The use to which said water has been applied is irrigation purposes, and the amount applied to beneficial use is 2 cubic feet per second.

4. The place where said water is used is the Northwest Quarter of Section 10, Township 8 S. R. 14 E. B. M., Gooding County, Idaho.

5. The date of priority which said user is prepared to establish is March 23, 1956.

MARK R. KULP
State Reclamation Engineer
Pub. April 26 May 3-10-17 1956