

**STARTING
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FILE**

RECEIVED

FORM 202
12/99

OCT 15 2004

Ident. No. 63-32003

STATE OF IDAHO
WATER RESOURCES DEPARTMENT OF WATER RESOURCES
WESTERN REGION

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name of Applicant SHERFIRE PROPERTIES/JIM SHERVIK Phone 466-2500
Mailing address 984 W. CORPORATE LANE, SUITE 201
2. Source of water supply GROUNDWATER which is a tributary of N/A
3. Location of point of diversion is Township 2N Range 3W Sec. 6, in the SE ¼, SW ¼, SE ¼, Govt. Lot _____, B.M., CANYON County;
additional points of diversion if any: NW, SE (WELL NO. 1 & WELL NO. 2 ARE INTERCONNECTED)
4. Water will be used for the following purposes:
 Amount .26 cfs for DOMESTIC purposes from JAN 1 to DEC. 31 (both dates inclusive)
 (cfs or acre-feet per annum)
 Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)
 Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)
 Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)
 Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)
 Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per annum)
5. Total quantity to be appropriated is (a) .26 cfs and/or (b) _____
 cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source _____
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet
 - c. Proposed well diameter is 8" inches; proposed depth of well is 500' JM 400' feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? _____; Drilling firm _____
 Well was drilled for (well owner) _____; Drilling Permit No. _____
7. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity in kW. _____
 - b. Stockwatering; list number and kind of livestock. _____
 - c. Municipal; show name of municipality. _____
 - d. Domestic; show number of households. 36
 - e. Other; describe fully. _____

SCANNED
FEB 17 2005

SCANNED
4/13/05

3. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	3W	6														36	36		72
		6														D	D		

Total number of acres to be irrigated 0

10. Describe any other water rights used for the same purposes as described above. IRRIGATION WATER IS PROVIDED BY WILDER IRRIGATION DISTRICT.

11. a. Who owns the property at the point of diversion? SHERFIRE PROPERTIES / JIM SHERVIK

b. Who owns the land to be irrigated or place of use? _____

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Remarks: WATER IS USED FOR INTERNAL DOMESTIC USE FOR THIRY-SIX (36) HOME ONLY. EXTERNAL DOMESTIC USE IS PROVIDED BY WILDER IRRIGATION DISTRICT WATER BEARING ZONE TO BE APPROPRIATED FROM 250 - 500 FEET.

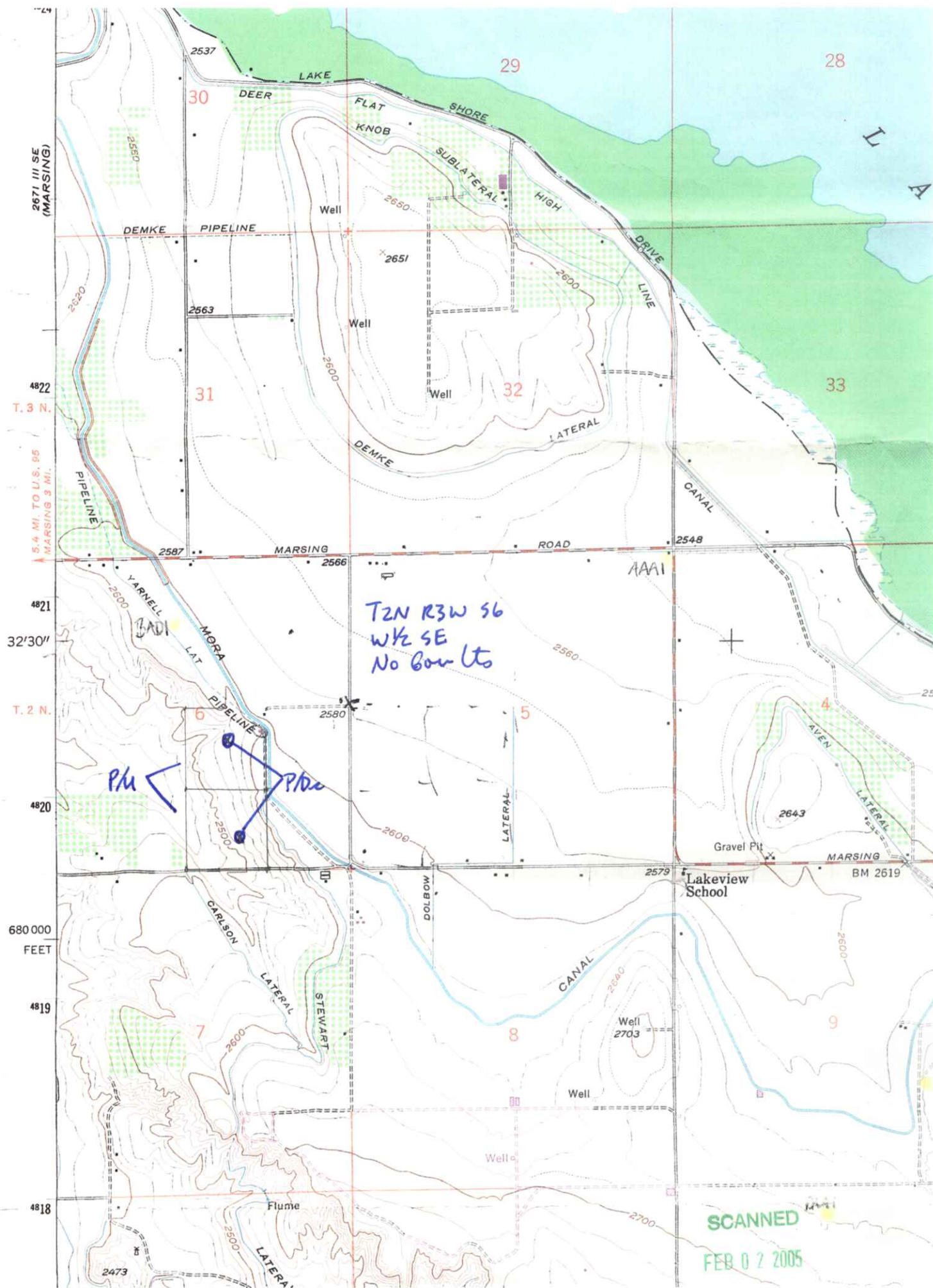
13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Signature of Applicant (and title, if applicable) Paulson.

Received by DB Date 10-15-04 Time 12:30PM Preliminary check by g
 Fee \$ 250.- Received by DB # W032311 Date 10-15-04
 Publication prepared by ek Date 1-26-05 Published in PRESS TRIBUNE
 Publication approved ok Date 2-17-05

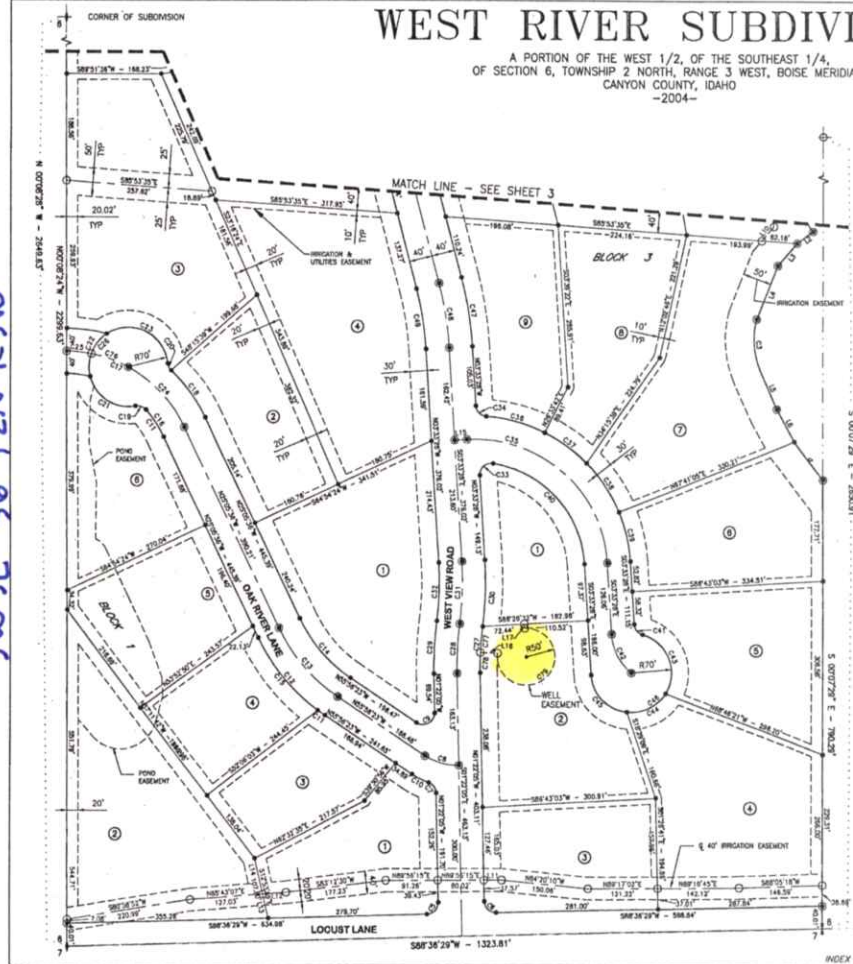
SCANNED



SWSE S6 T2N R3W

WEST RIVER SUBDIVISION

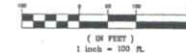
A PORTION OF THE WEST 1/2, OF THE SOUTHEAST 1/4,
OF SECTION 6, TOWNSHIP 2 NORTH, RANGE 3 WEST, BOISE MERIDIAN,
CANYON COUNTY, IDAHO
-2004-



LINE	LENGTH	BEARING
L1	15.60	N89°32'27"E
L2	25.39	S54°00'34"W
L3	52.09	S40°35'16"W
L4	101.48	S27°15'18"W
L5	74.29	S27°28'06"E
L6	84.45	S28°30'22"E
L7	84.56	S37°13'57"E
L8	14.08	S57°09'40"E
L9	50.63	S12°21'58"E
L10	32.42	N40°30'18"E
L11	30.31	S88°26'15"W
L12	40.80	S85°43'41"W
L13	43.70	N12°33'59"W
L14	64.11	N12°33'59"W
L15	31.14	S82°25'32"E
L16	30.00	N87°40'48"W
L17	7.58	N03°33'28"W

LEGEND

- FOUND SECTION COR. MONUMENT
- FOUND 1/4 COR. MONUMENT
- FOUND 1/16 COR. MONUMENT
- FOUND MONUMENT AS NOTED
- SET 5/8" IRON PIN W/ PLASTIC CAP PLS 8995
- SET 1/2" IRON PIN W/ PLASTIC CAP PLS 8995
- COMPUTED POINT
- WITNESS CORNER
- REFERENCE MONUMENT
- BOUNDARY LINE
- LOT LINE
- RIGHT-OF-WAY LINE
- EASEMENT LINE
- RELOCATED GRAVITY EASEMENT LINE
- SECTION LINE
- LOT NUMBER



LEAVITT & ASSOCIATES
ENGINEERS, INC.
STRUCTURAL • CIVIL
SURVEYING

BOOK _____ PAGE _____

INDEX NO. 234-8-2-0-0-00-00 JOB NO. 04105.001 SHEET 2 OF 4 SHEETS 2004

LEAVITT & ASSOCIATES
ENGINEERS, INC.
STRUCTURAL • CIVIL
SURVEYING



FINAL PLAT

WEST RIVER SUBDIVISION
CANYON COUNTY, IDAHO

PREPARED BY: JIM SHERVICK
CHECKED BY: JIM SHERVICK
DATE: 04/05/01
NAMPA, IDAHO 83855
PHONE 486-2500 FAX 486-8947

ISSUED FOR APPROVAL
DESCRIPTION

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	08/04/04	D.E.	

1" = 100' 3b/11

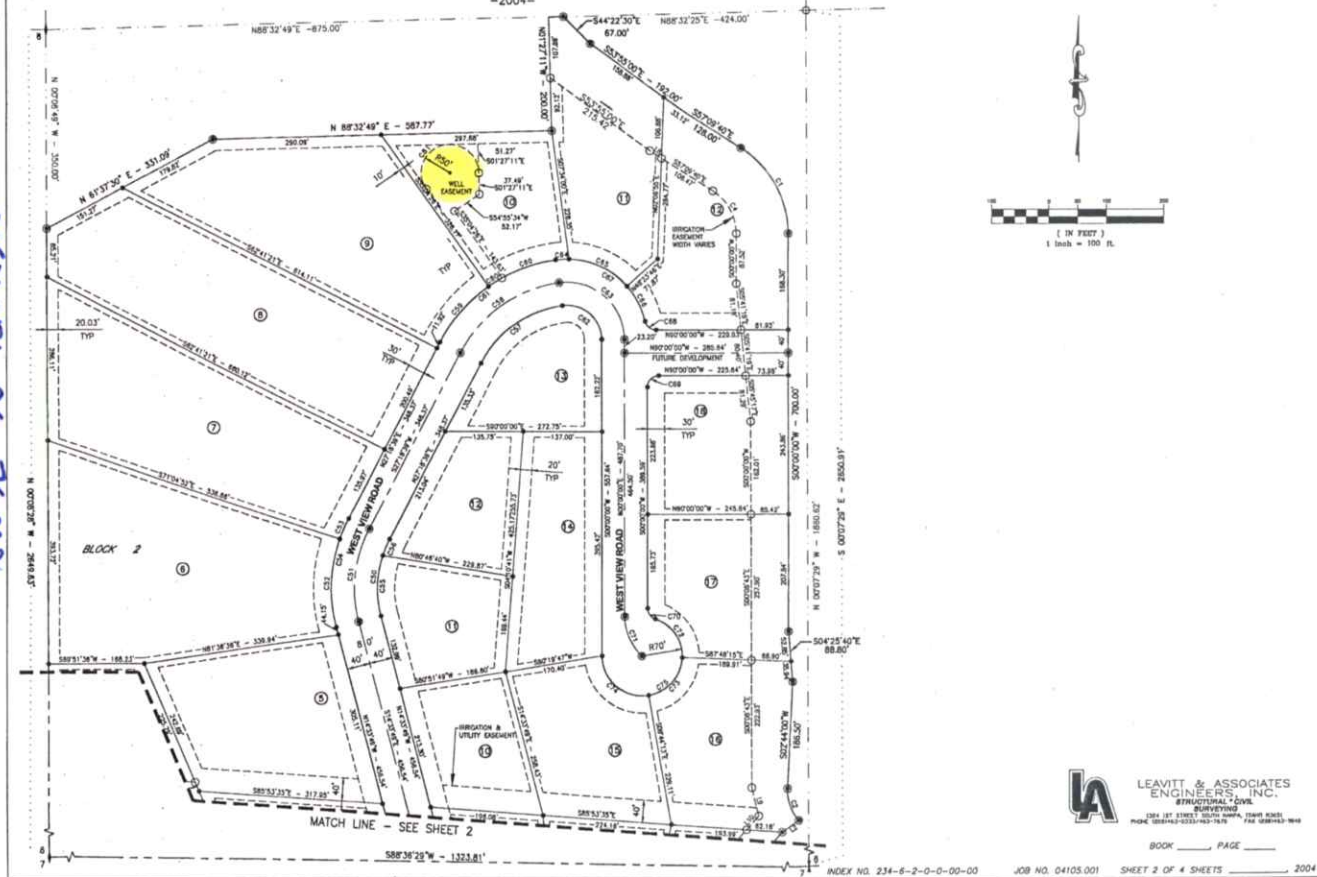
SCANNED

FEB 02 2005

NWSE 56 T2N R3W

WEST RIVER SUBDIVISION

A PORTION OF THE WEST 1/2, OF THE SOUTHEAST 1/4,
OF SECTION 6, TOWNSHIP 2 NORTH, RANGE 3 WEST, BOISE
MERIDIAN, CANYON COUNTY, IDAHO
-2004-



LEAVITT & ASSOCIATES
ENGINEERS, INC.
SURVEYING

1000 1ST STREET, SUITE 100, BOISE, IDAHO 83702
PHONE (208) 333-1000 FAX (208) 333-1001

BOOK PAGE

INDEX NO. 234-6-2-0-0-00-00 JOB NO. 04105.001 SHEET 2 OF 4 SHEETS 2004

WEST RIVER SUBDIVISION CANYON COUNTY, IDAHO		FINAL PLAT FINAL PLAT.dwg JIM SHERVICK 04105.001 NSC D.J. JUN 00/00/00		LEAVITT & ASSOCIATES ENGINEERS, INC. STRUCTURAL & CIVIL SURVEYING
SUBMITTER: SHERVICK & SHERVICK, INC. 1000 1ST STREET, SUITE 100 BOISE, IDAHO 83702 PHONE (208) 333-1000 FAX (208) 333-1001		ISSUED FOR APPROVAL DATE BY		
REVISIONS NO. DATE BY DESCRIPTION		1" = 100' 3c/11		

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FEB 02 2005

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OCT 19 2004

WATER RESOURCES
WESTERN REGION

REQUEST TO PROCESS

COMPLETE REQUEST IF YOU WANT YOUR APPLICATION TO BE PROCESSED
USING ONE OF THE THREE ALTERNATIVES BELOW

Name of Applicant

SHERFIRE PROPERTIES / JIM SHERVIK

Mailing Address

984 W. CORPORATE LANE, SUITE 201
NAMPA, IDAHO 83651

Application No.
(if known)

☐ IN LOCAL PUBLIC INTEREST

Yes, I want my application processed and before it is advertised, I will amend my application to demonstrate that the proposed appropriation is in the local public interest including the need to preserve flows in the Snake River during the migration periods of anadromous fish.

☐ PROPOSE MITIGATION NOW

Yes, I want my application processed and before it is advertised, I will amend my application to include proposed mitigation to offset anticipated depletions in the Snake River during periods of anadromous fish migration.

☒ WILL AGREE TO MITIGATION IN THE FUTURE IF NECESSARY

Yes, I want my application processed at this time, and I will accept a condition of approval that will require mitigation should the Director of the Idaho Department of Water Resources determine that mitigation is necessary to offset depletions from this appropriation to flows in the Snake River during periods of anadromous fish migration. I understand that mitigation is not required now but may be needed in the future. I also understand that the Director will not require mitigation until I have an opportunity to review the process by which the need for mitigation is established and the amount of water required is quantified.

Signature

Jim Sherik

Date

10-19-04

Please return this form to:

Idaho Department of Water Resources
Western Regional Office
2735 Airport Way
Boise, ID 83705-5082

10-19-04

**NOW
STARTING
RIGHT
SIDE OF
FILE**

John M. Marshall (ISB No. 5628)
GIVENS PURSLEY LLP
601 W. Bannock Street
Boise, Idaho 83702
Telephone: (208) 388-1200
Facsimile: (208) 388-1300
johnmarshall@givenspursley.com

Attorneys for Sherfire Properties & Jim Shervik

**BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO**

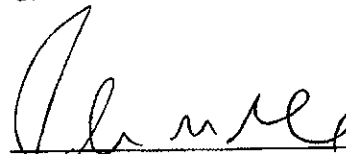
IN THE MATTER OF APPLICATION)
FOR PERMIT NO. 63-32003)
_____)

NOTICE OF APPEARANCE

John M. Marshall of the firm Givens Pursley LLP, hereby makes his appearance as counsel of record for Applicant Marlin Land Owners LLC, in the above-entitled matter and asks that copies of all future pleadings and correspondence be sent to him at the above-listed address, facsimile number and/or e-mail address.

DATE this 31 day of January, 2006.

GIVENS PURSLEY LLP



John M. Marshall

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FEB 01 2006

CERTIFICATE OF SERVICE

I hereby certify that on this 31st day of January, 2006, I caused a true and correct copy of the foregoing document to be served by U.S. Mail, postage prepaid, to the following:

SHERFIRE PROPERTIES
ATTN JIM SHERVIK
984 W CORPORATE LN STE 201
NAMPA ID 83615

J REESE LEAVITT
LEAVITT & ASSOCIATES
1324 1ST ST S
NAMPA ID 83651

JON MINKOFF
11648 EVA LANE
CALDWELL ID 83607

IDWR - WESTERN REGION
2735 AIRPORT WAY
BOISE ID 83705-5082


John M. Marshall

FAX COVER SHEET

DATE: Tuesday, January 31, 2006

PAGES (INCLUDING COVER): 3

ORIGINAL TO FOLLOW: No

JOHN M. MARSHALL
GIVENS PURSLEY LLP

601 W. Bannock Street

P.O. Box 2720

Boise, ID 83701-2720

Telephone No. (208) 388-1200

Fax No. (208) 388-1300

Email: johnmarshall@givenspursley.com

Web: www.givenspursley.com

RE: Application for Permit No. 63-32003 - Notice of Appearance
GP File No. 8234-1

To: Debbie Gibson

Fax: 287-6700

Phone: 287-4942

MESSAGE:

Debbie,

Thank you for your e-mail with the Certificate of Service attached. Please file the attached Notice of Service with the department. If you have any questions or comments, please call me.

— John

SCANNED

If this fax does not transmit fully or is difficult to read, please contact Amanda at (208) 388-1291.

CONFIDENTIALITY NOTICE

This facsimile may contain confidential information that is protected by the attorney-client or work product privilege. It is intended only for the use of the individual(s) named above. If you are not a named recipient or an employee responsible for delivering the facsimile, you are instructed not to deliver, distribute or copy this facsimile, nor should you disclose its contents or take any action in reliance on the information it contains. If you have received this facsimile in error, please notify us immediately by telephone to arrange for the return of the transmitted documents to us. Thank you.

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JAN 27 2006

DEPARTMENT OF
WATER RESOURCES

Marlin Land Owners, LLC
C/O Eagle River Development
439 E. Shore Drive, Suite 200 * PO Box 2237
Eagle, ID 83616
208-489-5270

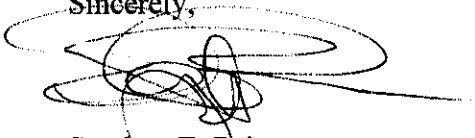
January 24, 2006

Idaho Department of
Water Resources
322 E. Front St
PO Box 83720
Boise, Idaho 83720-0098

Re: Assignment of Application of Permit # 63-32003

Please find and process the enclosed Assignment of Application for Permit # 63-32003
from James D. Shervik to Marlin Land Owners, LLC. If you have any further questions,
please contact the undersigned.

Sincerely,



Stephen E. Peisner
Managing Partner

SCANNED
FEB 1 2006

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF APPLICATION	)	
FOR PERMIT TO APPROPRIATE	)	
WATER NO. 63-32003, IN THE NAME	)	NOTICE OF
OF SHERFIRE PROPERTIES/JIM SHERVIK	)	HEARING
_____	)	

On October 15, 2004, Sherfire Properties and/or Jim Shervik, filed Application for Permit to Appropriate Water No. 63-32003 with the Idaho Department of Water Resources. Jon Minkoff protested the application on February 7, 2005.

PLEASE TAKE NOTICE that a formal hearing will be held on **February 16, 2006, beginning at 9:00 a.m.** at the Canyon County Courthouse, 1115 Albany St., Room 111, Caldwell, Idaho. The presiding officer at the hearing will be Gary Spackman.

If you plan to offer exhibits for the record at the hearing, note that Rule 606 of the department's Rules of Procedure requires that a copy be provided to each party and to the presiding officer.

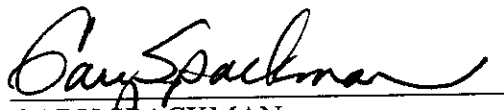
The hearing will be held in accordance with the provisions of Chapters 2 and 17, Title 42 and Chapter 52, Title 67, Idaho Code, and the adopted Rules of Procedure of the department. IDAPA 37.01.01. A copy of the rules may be obtained from the department upon request.

The hearing will be conducted in accordance with 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 ten (10) days prior to the hearing. Inquires about scheduling, hearing facilities, etc., should be directed to Deborah

Gibson, Administrative Assistant, Idaho Department of Water Resources, P.O. Box 83720, Boise, Idaho 83720-0098, telephone: (208) 287-4942, fax: (208) 287-6700.

All parties appearing in this matter will have the opportunity to present information, examine witnesses, and provide argument on issues related to the appropriation of water this application has bearing on, during the course of this hearing.

DATED this 13th day of January, 2006.


GARY SPACKMAN
Hearing Officer

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 18th day of January, 2006, a true and correct copy of the above and foregoing documents described below were served on the following by placing a copy of the same in the United States mail, postage prepaid and properly addressed to the following:

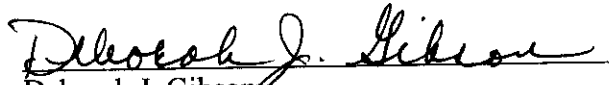
Document(s) Served: NOTICE OF HEARING

SHERFIRE PROPERTIES
ATTN JIM SHERVIK
984 W CORPORATE LN STE 201
NAMPA ID 83615

J REESE LEAVITT
LEAVITT & ASSOCIATES
1324 1ST ST S
NAMPA ID 83651

JON MINKOFF
11648 EVA LANE
CALDWELL ID 83607

IDWR - WESTERN REGION
2735 AIRPORT WAY
BOISE ID 83705-5082


Deborah J. Gibson
Administrative Assistant
Water Allocation Bureau

Telephone.
CONVERSATION MEMORANDUM

DATE 10/17/05

FILE 63-32003

NAME OF PARTY John Minkoff

EMPLOYEE J Westra, Wesden Ry.

RE: Protest.

Mr. Minkoff can not accept the proposal presented by the applicant. (10/12/05 Letter) Request the application be set for a hearing.

10/24/05

Reese Levitt - Eng. - Applicant

Mr. Levitt called to agree with Mr. Minkoff's request for a hearing. He asked, that a hearing be scheduled ASAP. I stated, I was in the process of having a hearing officer appointed. I also stated if the application has changed in ownership it needed to be assigned to the new owners. Mr. Levitt requested, I send him the form by mail.

JFW Assignmt form sent 10/24/05.FAX

SCANNED

FEB 11 / 2006



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

September 16, 2005

J. Reese Leavitt, PE
Leavitt & Associates Engineers, Inc
1324 1st Street South
Nampa ID 83651

RE: Application for permit #63-32003
Sherfire Properties

Dear Mr. Leavitt:

Since early July 2005 our office has not been updated on the progress made toward settlement of the protest against the above described application for permit. Please provide information in writing regarding the current status of the application. Does your client choose to withdraw the application, requests a hearing date set, or wishes to continue negotiating with the protestant?

We appreciate your cooperation

Sincerely,

John Westra, Manager
Western Region

cc: J. Minkoff

SCANNED

FEB 1 2006

CONVERSATION MEMORANDUM

Telephone

DATE 5/11/05FILE Shertine
Shervik ApplicationNAME OF PARTY John Mincott, protestantEMPLOYEE JFW.RE: Protestant / Study.

Phone Mr. Mincott called to say he had received the groundwater study from Terry Scanlan. He would like to have a week or so to review the report with the neighbors. They would then make some decisions. That is agreed. OK with Dept.

5/23/05 Returned call from 5/20 - Friday.

I read Scanlan report and responded to John's questions concerning report recommendations - John is concerned about report 215' casing and 400 well depth recommendation. "Blew well" is 365' depth and 335' casing, approx. 350' from proposed Shervik well. John asked about maintaining the subdivision wells - spec. I told him that this would be between Shervik and him. He was planning to respond to the report in a letter in the next couple days.

7/1/05 John Mincott - Called to discuss draft agreement faxed yesterday. Asked who would be responsible for enforcement of agreement. I stated he would. - between parties. Mr. Mincott also had questions concerning the well depths in the agreement and aquifer levels. Will submit protest withdrawal and copy of agreement.

7/13/05 Returned John M's call, no change in status of protest.

SCANNED
FEB 07 2006



LEAVITT & ASSOCIATES
ENGINEERS, INC.

CIVIL - STRUCTURAL - SURVEYING - LAND DEVELOPMENT



May 10, 2005

Sherfire Properties
Attention: Jim Shervik
984 West Corporate Lane, Suite 201
Nampa, Idaho 83651

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MAY 12 2005

WATER RESOURCES
WESTERN REGION

Reference: **Deep Aquifer Study**
West River Subdivision

Dear Jim:

Enclosed is a copy of the Deep Aquifer Study for West River Subdivision conducted by Terry Scanlan, P.E., P.G., and Christian Petrich, Ph.D., P.E., who are both Principal Engineers/Hydrologists at SPF Water Engineering, LLC. I have reviewed the report in detail, and in my expert opinion it is very professional. Mr. Petrich has a Ph.D. in engineering, and Mr. Scanlan is both a registered professional engineer and registered professional geologist.

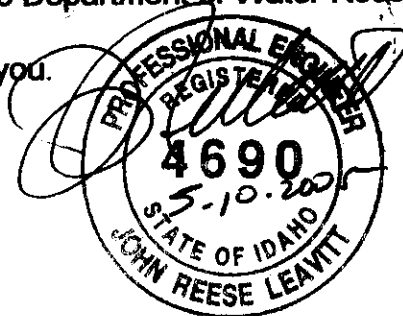
In summary, SPF is recommending well depths of at least 400 and 460 feet for well no. 1 and well no. 2 respectively.

I have forwarded copies of this report to Jon Minkoff and John F. Westra, Regional Manager Western Regional Office of the Idaho Department of Water Resources.

Please call if you have any questions. Thank you.

Sincerely,

J. Reese Leavitt, P.E./S.E.



Subdivisions



Auto Dealerships

Enclosures: (1) Deep Aquifer Study – West River Subdivision

Copies: Jon Minkoff w/ (1) enclosure
via Registered Mail

John F. Westra w/ (1) enclosure
File: 04105.001



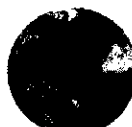
Hotels



Convention Centers



Industrial Plants





LEAVITT & ASSOCIATES
ENGINEERS, INC.

CIVIL - STRUCTURAL - SURVEYING - LAND DEVELOPMENT



Via Registered Mail

RECEIVED

May 17, 2005

MAY 19 2005

Jon Minkoff
11648 Eva Lane
Caldwell, Idaho 83607

WATER RESOURCES
WESTERN REGION

Reference: **Release of Protest of Well Application**
West River Subdivision

Dear Mr. Minkoff:

On May 10, 2005 a copy of the Deep Aquifer Study was mailed to you. You requested West River Subdivision to conduct this study to assure adequate protection of your well. West River has met the conditions you requested at the protest hearing. Will you now please release your protest of well application No. 63-32003, so that West River can proceed with their project?

Please call if you have any questions. Thank you.

Sincerely,

J. Reese Leavitt, P.E./S.E.

Copies:

Jim Shervik
John F. Westra
File: 04105.001

Idaho Dept. of Water Resources



Subdivisions



Auto Dealerships



Hotels



Convention Centers



Industrial Plants



ENGINEERING THE WORLD - LICENSED IN ALL 50 STATES
1324 1st Street South - Nampa, ID 83651 - (208) 463-0333 - Fax (208) 463-9040

SCANNED

FEB 8 / 2006



May 6, 2005

Mr. Reese Leavitt
Leavitt & Associates Engineers, Inc.
1324 1st Street South
Nampa ID 83651

Subject: West River Subdivision – Deep Aquifer Study

Dear Mr. Leavitt,

At your request SPF Water Engineering, LLC (SPF) has reviewed drillers' reports and other information from wells in the vicinity of the West River and Knighten Hills Subdivisions. The purpose of the review was to:

1. Describe primary water-bearing zones tapped by existing wells in these subdivisions.
2. Describe the deeper water-bearing zones from which the West River Subdivision wells could draw water with minimal (or no) impacts to Knighten Hills Subdivision wells.
3. Provide recommendations for minimum well depths for two proposed West River Subdivision wells to reach these deeper aquifers.

Summary of Results

Aquifers underlying the Knighten Hills and West River Subdivisions are present in a layered sequence of interbedded gravel, sand, silt, and clay sediments. A distinctive transition from tan or brown sediments to blue or gray sediments was noted in most deeper wells in this area. A blue clay layer (which is 42 feet thick in the West River Subdivision test well) is present at the brown-to-blue/gray transition in most wells in the vicinity of the Knighten Hills and West River Subdivisions. Individual clay layers in this area, while not necessarily areally extensive over very large areas, appear, in aggregate, to form an effective aquitard between shallow aquifers in the brown sediments and deeper aquifers in the blue-gray sediments.

Knighten Hills residents reported that declining water levels required deepening of seven wells and lowering of pumps in five additional wells. The wells were deepened between 1982 and 1993. IDWR data showing water level declines in at least one well coincides with this time period. Available water level data for this area show currently stable water levels.

The chances of interference between the West River wells and the shallow Knighten Hills wells are least if the West River wells are completed (ie., screened) below one or more substantial clay layers within the blue clay transition. A public water system well (Well #1) near the location of the current test well should be at least 400 feet deep, with a casing seal that extends to a depth of at least 215 feet. The well and casing seal should extend approximately 60 feet deeper in Well #2 (because of ground surface elevation differences) to reach and seal to the same aquifer zones. Potential impact on one 365-foot deep Knighten Hills well (the Blew well) should be minimal at the proposed pumping rates, especially if the West River #1 well is the primary water system well.

An aquifer test could be conducted in the new production wells, with monitoring of the existing test well and selected Knighten Hills wells as part of the test. Continued periodic (e.g., quarterly or semi-annual) ground water level monitoring should be conducted in selected Knighten Hills and West River wells following construction of the West River wells to document water level conditions.

The basis for these conclusions is outlined in the following sections.

Background

Jim Shervik (Sherfire Properties) is developing the West River Subdivision in a 72.73-acre portion of the SE ¼ of Section 6 in T2N R3W (Figure 1). An application for permit to appropriate 0.26 cfs (117 gpm) for a public water system was filed on October 15, 2004 (water right 63-32003). Water will be provided for domestic purposes in 36 homes through two proposed public water system wells (Figure 2). Each well will be designed for a peak hourly flow rate of approximately 52 gpm (R. Leavitt, personal communication), although the estimated average annual diversion rate will be less than 20 gpm, based on an estimated usage of 500 gallons per day per home. Surface water is available from the Wilder Irrigation District for a pressurized residential irrigation system. The application for permit was protested by neighbors residing in the Knighten Subdivision, which is located to the north of the proposed West River Subdivision (Figure 1). Knighten Hills residents have reported that seven wells required deepening between 1982 and 1992 because of declining water levels. Furthermore, residents have reported that five additional wells have required lowering of pumps because of declining water levels.

Approach

This review began with a search of the Idaho Department of Water Resources (IDWR) well construction database¹ for wells in and near the Knighten Hills and West

¹ Not all wells listed in the database have drillers' reports, and not all wells with drillers' reports are available in the online database.

River Subdivisions. Wells located in T3N R3W Section 6 and in surrounding sections are listed in Attachment A. Wells with depths greater than 300 feet were of most interest because of their extended lithologic profiles. Available drillers' reports for all wells in these sections with depths greater than 300 feet (Figure 3) are provided in Attachment B. Available drillers' reports for wells in the Knighten Hills subdivision (Figure 4) are provided in Attachment C. The reference numbers for each well in these figures correspond with individual drillers' reports listed in Attachments A and B.

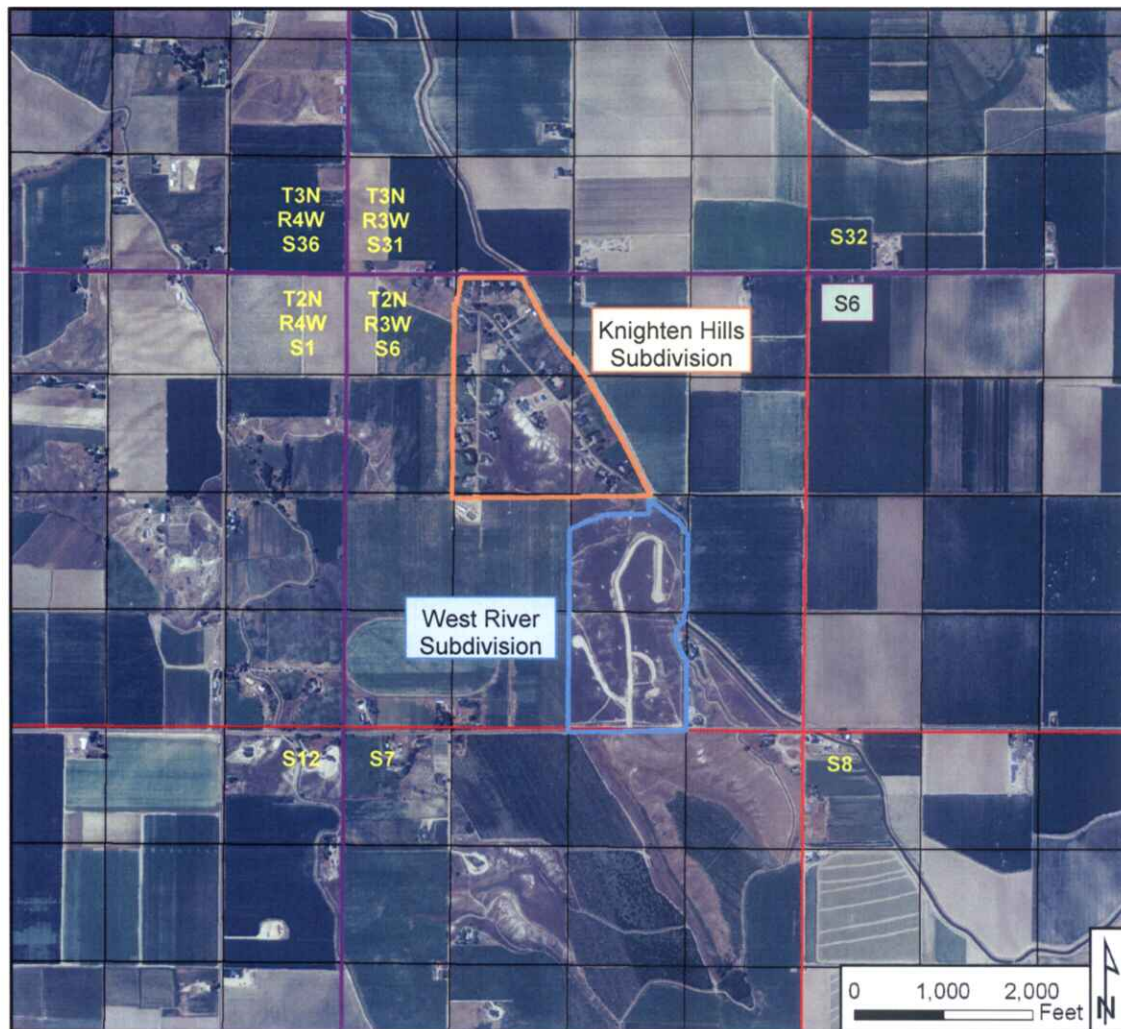


Figure 1: Location map showing Knighten Hills and West River Subdivisions.

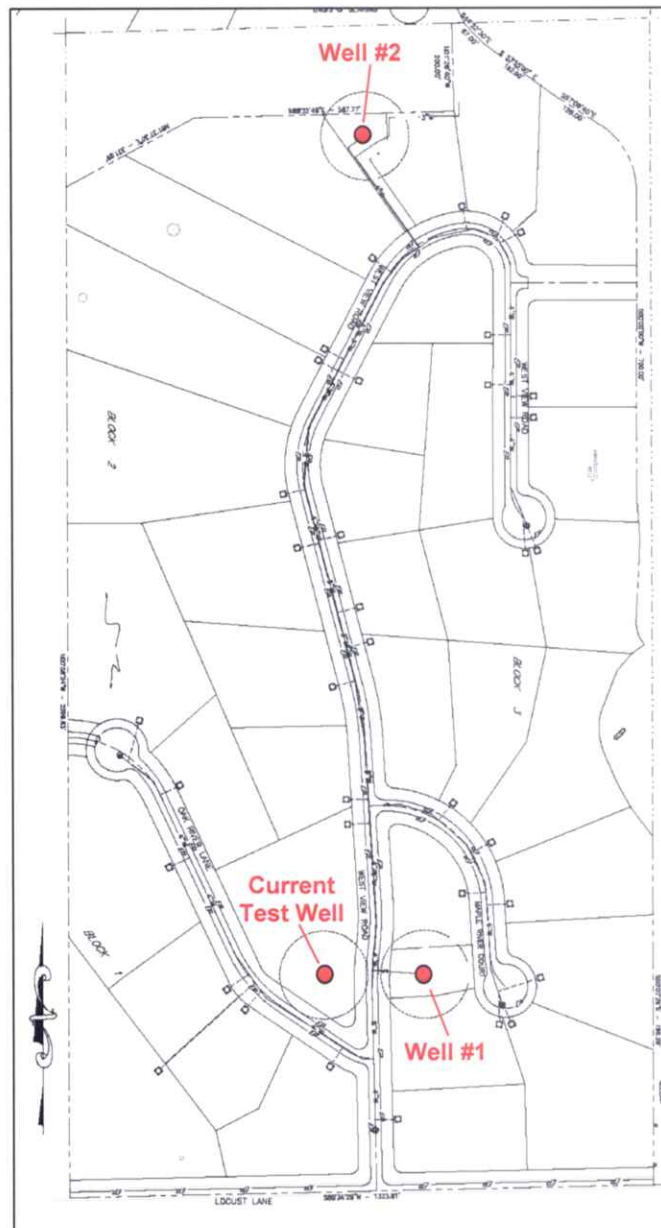


Figure 2: Location map showing the West River test well (well #11 on Figure 3) and the proposed West River Subdivision wells.

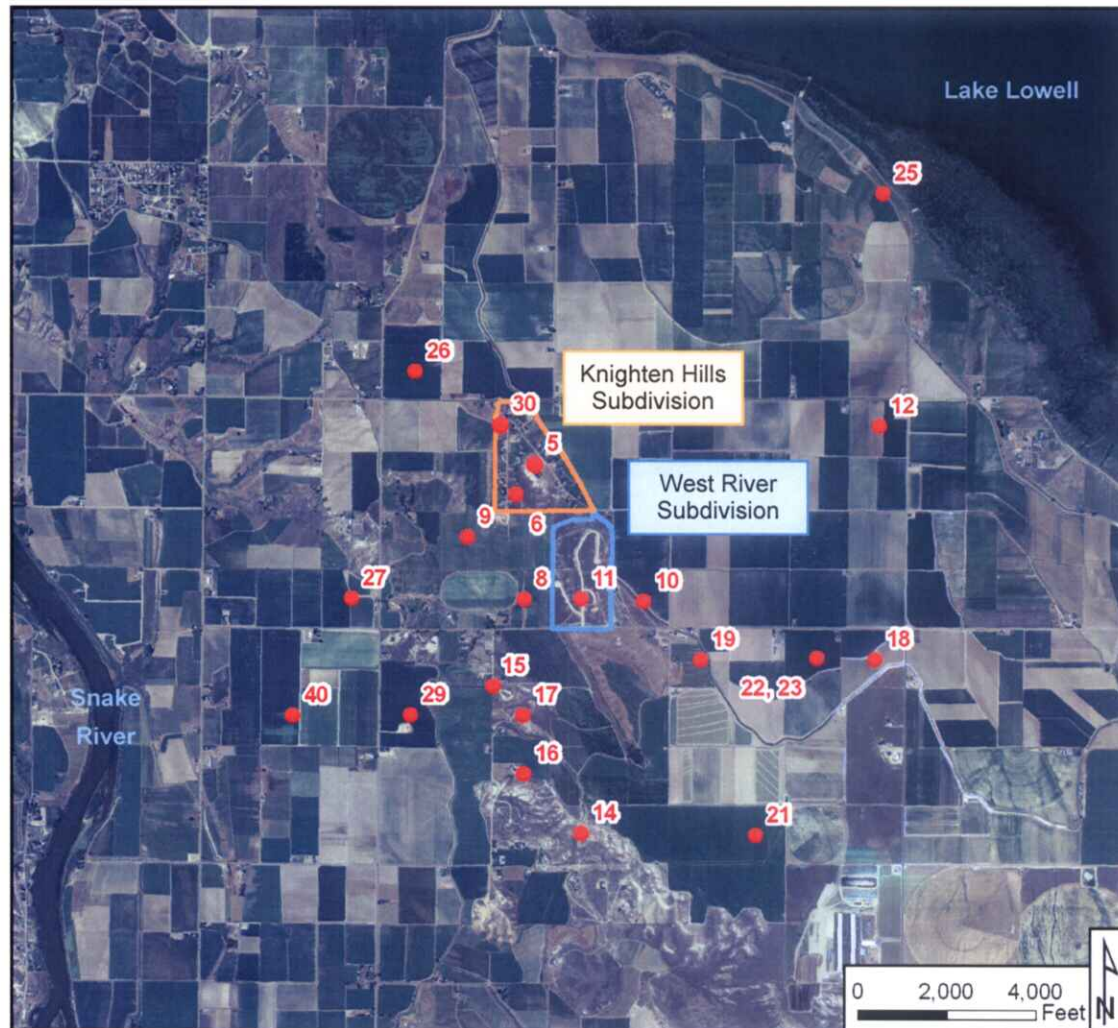


Figure 3: Approximate locations of wells greater than 300 feet in depth located in the vicinity of the Knighten Hills and West River Subdivisions.



Figure 4: Approximate locations of wells in the Knighten Hills Subdivision.

General Hydrogeology

Stratigraphy underlying the Knighten Hills and West River Subdivisions consists of a layered sequence of interbedded gravel, sand, silt, and clay sediments. Below the soil zone, a layer of Quaternary-aged alluvium belonging to the Snake River Group extends to a depth of approximately 50 feet. These sediments consist of sand and gravel layers, and were deposited in the floodplain of the ancestral Boise River. Beneath the alluvium are Tertiary-aged lacustrine (lake-bed) sediments of the Idaho Group. These sediments may extend to thousands of feet in this area and consist primarily of interbedded layers of sand and clay, grading finer with depth.

A transition from tan or brown to underlying blue or gray sediments was noted in most of the wells in this area. This transition is found in many (but not all) parts of the Treasure Valley (Petrich and Urban, 2004), and generally is referred to as the "blue-clay" transition. The bluish color likely reflects chemically-reducing conditions associated with a current or historical oxygen-poor environment. Although the bluish sediments are not consistent throughout the Treasure Valley, they have been used to help differentiate deep, confined aquifers from overlying aquifers (Neely, 2001; Neely and Crockett, 1998).

The depth of the blue-clay transition underlying the Knighten Hills and West River Subdivisions ranges from 200 to 300 feet. The lithologic profile above the transition is dominated by alternating brown or tan sand, clay, or sandy clay layers. The lithologic profile below the transition consists of interbedded bluish or gray clay, sandy clay, or sand zones. Based on drillers' reports, the blue-clay transition is areally extensive in the vicinity of the Knighten and West River Subdivisions.

Occurrence of Ground Water

Drillers' reports indicate the presence of unconfined, partially-confined, and confined aquifers underlying the Knighten Hills and West River Subdivisions. Most of the shallow wells completed above the blue-clay transition are reported as drawing water from one or more brown sand zones occurring from approximately 80 to 240 feet below ground surface. The reported thickness of these individual sand layers generally ranges from approximately 10 to 30 feet.

The occurrence of ground water below the blue-clay transition is generally noted in layers of bluish sand, sandy clay, or clay with sand stringers. The water-bearing zones range in thickness from about 5 to 30 feet.

The blue-clay transition appears to represent a transition from shallow to deep aquifers in this area. Based on drillers' reports, the upper blue clay sediments are areally extensive in the vicinity of the Knighten Hills and West River Subdivisions, and appear to be sufficiently dense and thick in aggregate to serve as an effective

aquitard. As such, the blue-clay sediments likely hinder vertical ground water flow in this area.

The median depth to water measured at the time of well completion in wells that are (1) located in or near the Knighten and West River Subdivisions and (2) completed above the blue clay was 125 feet. The median initial depth to static water in wells completed below the blue clay was approximately 160 feet. These water levels suggest a downward hydraulic gradient and partially-confining and/or confining aquifer conditions (because water levels rise above those zones in which water is encountered).

Primary sources of recharge to aquifers in this area include seepage from Lake Lowell, seepage from the Mora Canal, and infiltration from irrigation activities. Changes in these sources (e.g., changes in lake levels, changes in irrigation season, and changes in flow rates) would have the more impact on shallow aquifers than on deep aquifers.

Primary discharge from these aquifers is to the Snake River and to local irrigation wells. Drains constructed to the southwest of this area near the Snake River (e.g., Mound Wasteway and Mitchell Drain) likely control water levels in shallow aquifers in these areas.

Concerns Regarding Knighten Hills Subdivision Wells

Knighten Hills Subdivision residents have expressed concerns that new wells in the West River Subdivision may interfere with water levels in existing Knighten Hills wells. Most of the initial Knighten Hills wells were originally constructed between 1975 and 1977. Most of the initial wells extended no further than the first aquifer zone. It is our understanding that water level declines required deepening of seven wells between 1982 and 1992. In addition, the pumps reportedly have been lowered in five wells.

The IDWR well construction database listed 24 wells that are located in the Knighten Hills Subdivision² (see Attachment A and B). Of these, drillers' reports were available for 20 wells. Some of these drillers' reports are for well deepenings and/or redrills. The depths of the wells with drillers' reports ranged from 90 to 315 feet³. All but two of these wells are completed above the blue-clay transition. The Haines Well (#5 in Figure 4) extends into the blue-clay transition, but draws water from above the blue-clay transition. The Rickwa Well (#6 in Figure 4) likely draws water from both above

² Some of the wells listed here may have been deepened or redrilled; some of these drillers' reports may represent replacement wells. Several of the wells likely have different current owners.

³ The deepest well in the Knighten Hills Subdivision is listed as 365 feet, but a drillers' report for this well was not available through the IDWR online database.

and below the blue-clay transition. In addition, one well (the Blew well) is noted with a depth of 365 feet, but a drillers' report is not listed for this well.

IDWR has collected water level measurements in six wells⁴ in the vicinity of the Knighten Hills and West River Subdivisions (see Figure 5 for well locations). Collectively, the hydrographs (Figure 6) indicate relatively stable water levels over the last 20 years. By example, one of the better recent data records (02N033-03BBA1) shows very stable water levels over the last 21 years. However, water levels in this well appear to have declined (based on two data points) from 65 feet on 12/31/69 to 130 feet on 2/3/83. This time period coincides with the construction of the Knighten Hills wells and a portion of the period in which Knighten Hills wells were being deepened.

There are few water level data documenting the water level declines that lead to the deepening of several Knighten Hills wells. However, assuming that the declines occurred, there are several factors that may have contributed to the declines. First, decreases in local surface water infiltration could contribute to ground water level declines. Second, increases in ground water pumping (possibly associated wells constructed in the late 1970s in the Knighten Hills Subdivision) could have contributed to local declines. Third, construction of wells in the Knighten Hills area with extended open intervals could lead to downward inter-aquifer flow from shallow aquifer zones to deeper zones. Finally, losses of well or pump efficiency could give the appearance of water level declines. Because recent water levels appear stable, it seems likely that declines in the early 1970s and 1980s are associated with increased local pumping and downward ground water flow via wells.

One well in Section 6 (02N03W-06DBD1) declined 13.8 feet over a period of 24 years ending in 1977. Most of the decline in this well occurred prior to the mid 1950s and prior to the Knighten Hills Development. Water levels in the well were steady from about 1968 through 1974, but declined slightly between 1975 and 1977. The reasons for water level declines in this well are unclear, but may be related to similar factors as listed above; no recent data are available for this well.

⁴ Only wells with three or more measurements over a multi-year period were considered.

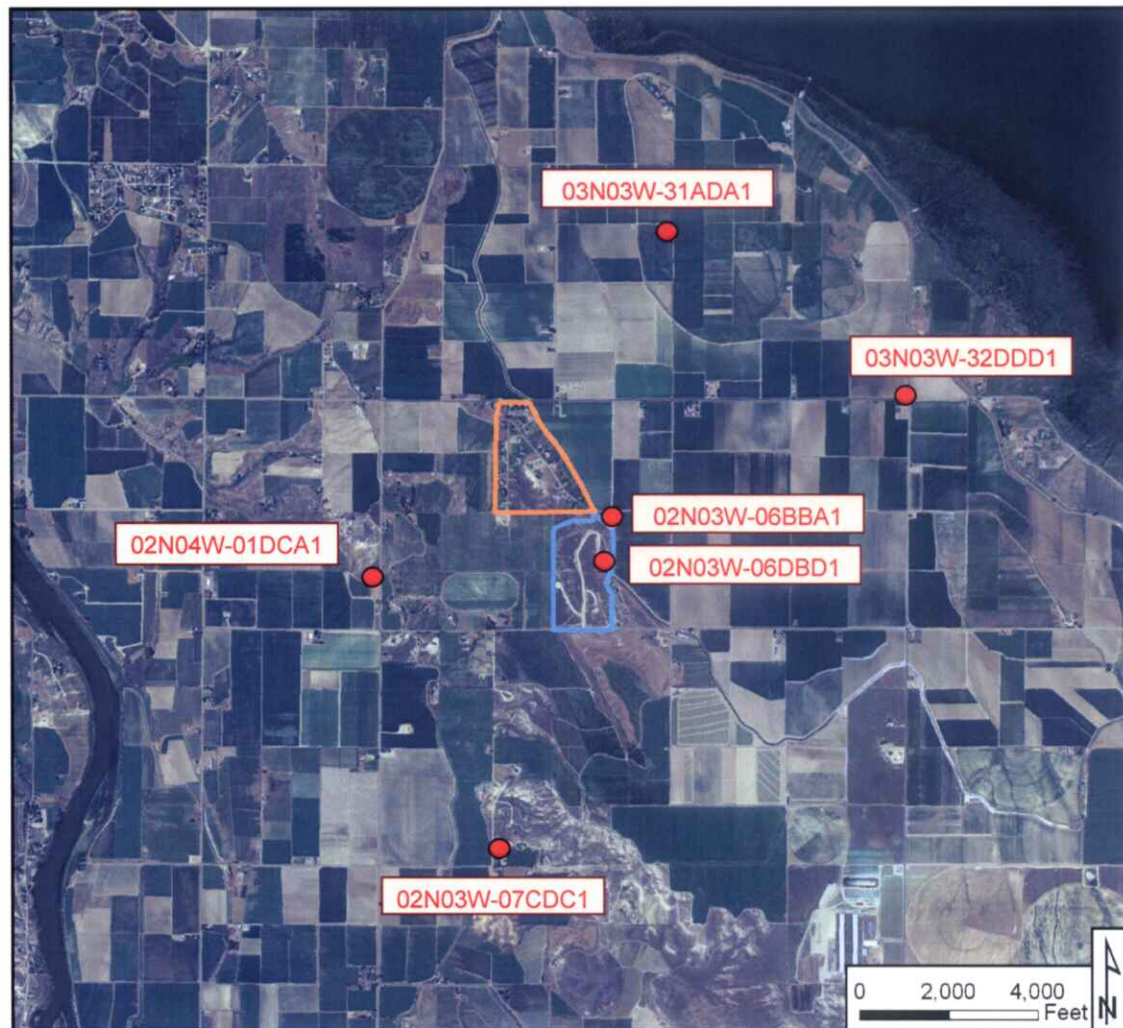


Figure 5: Approximate locations of IDWR ground water monitoring wells.

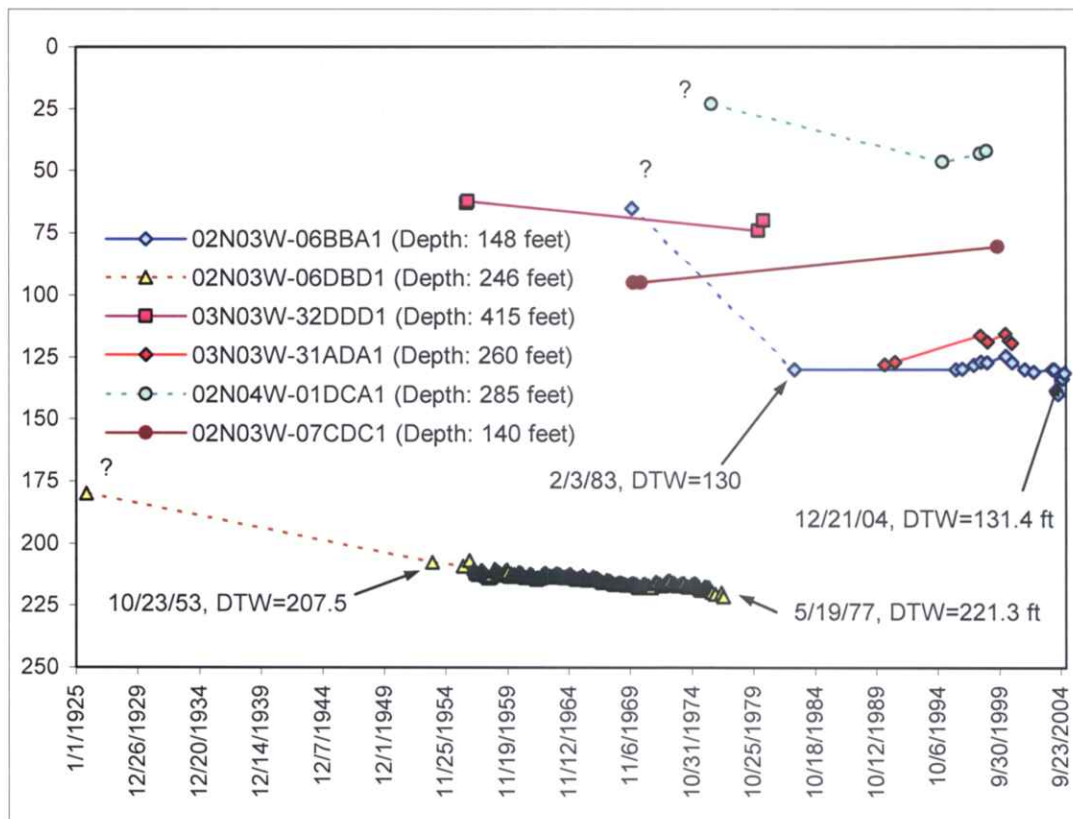


Figure 6: Water levels in Township 2N, Range 3W, Section 6 (IDWR data).

Target Zone for West River Subdivision Wells

Domestic wells in the Knighten Hills Subdivision extract water almost entirely from the shallow aquifer above the blue-clay transition. Pumping from new West River Subdivision wells, if completed in shallow zones (i.e., brown sediment aquifers), could result in some drawdown in existing Knighten Hills wells.

Fine-grained sediments (i.e., clay) associated with the blue-clay transition appear to separate shallow aquifers from deeper ones in this area. Clay layers associated with the blue-clay transition appear to be an effective aquitard based on differences in water levels between shallow and deep wells. The blue-clay transition appears to be areally extensive in this area. Screened intervals of the new West River Subdivision wells therefore should be below the blue-clay transition, and should be separated from overlying shallow aquifers (characterized by brown sediments) by a substantial thickness of clay.

The Shervik test well (Figure 2) encountered blue clay from 170 to 212 feet below ground surface. This 42-foot thick clay zone, if as consistent and thick as described

in the Shervik Well driller's report, should preclude hydraulic impact on overlying aquifers from West River pumping. Water-bearing zones in the Shervik well below the blue clay were noted from 212 to 347 feet and from 362 to 372 feet below ground surface. Additional water-bearing zones are likely present below 372 feet.

A public water system well (Well #1 on Figure 2) near the location of the current test well should be at least 400 feet deep, with a casing seal that extends to a depth of at least 215 feet. The casing seal will help ensure that a production well at this site does not provide a conduit for vertical ground water movement between shallow and deeper aquifers in this area.

One well in the Knighten Hills Subdivision is listed as extending to a depth of 365 feet (Well 2-3-4 in Figure 4; listed in Attachment B as the Blew Well). Although a driller's report was not available for this well, it is likely drawing water from aquifers below the blue-clay transition. It is located approximately 2,200 feet from the proposed West River Well #1 site.

A general estimate of potential impact of pumping from the West River #1 well on the Blew well can be approximated using the Theis solution (1935) for radial flow to a well. Assuming completion of a new well (e.g., West River #1) in an areally-extensive, 75-foot thick aquifer⁵ with homogeneous, anisotropic properties, an average hydraulic conductivity of 50 feet/day (simulated values ranged from approximately 10 to 100 feet/day in this area - Petrich, 2004), a storativity value of 5×10^{-4} , a pumping rate of 52 gpm, and neglecting aquifer recharge, the water level drawdown at a distance of 2,200 feet⁶ would be approximately 1.5 feet after one year of pumping (Attachment D). The average pumping rate will likely be substantially less than 52 gpm, which will lead to a substantially smaller impact. A thicker aquifer zone (or zones) and aquifer recharge will also likely reduce this potential impact.

The proposed West River #2 well is located approximately 350 feet⁷ from the assumed location of the Blew Well. The well and casing seal of Well #2 should extend approximately 60 feet deeper than the West River #1 well (because of ground surface elevation differences) to reach and seal to the same aquifer zones. If completed in similar aquifer zones as the West River test well, the potential drawdown at the Blew well because of continuous pumping at the West River #2 well could be approximately 2.5 feet after one year of pumping, based on the assumptions listed above. Again, the actual average pumping rate will be substantially less than 52 gpm, resulting in proportionately less drawdown. Also, aquifer recharge, a thicker aquifer zone (or zones), and aquifer recharge will likely reduce this effect.

⁵ The test well drew water from a combined water-bearing zone of approximately 145 feet.

⁶ The approximate distance between the Blew well and the West River #1 well (Figure 4).

⁷ The exact location of this the Blew well is unclear, but may be approximately 350 feet from the proposed West River #2 well (Figure 4).

Because of the proposed depth separation, it appears unlikely that either of the proposed West River wells will have an impact on shallow Knighten Hills wells. The deeper Knighten Hills well (the Blew well) may be completed in a similar zone as the proposed West River wells. Based on the highly approximate estimates listed above, it is unlikely that the new wells will have a substantial impact on the Blew well.

A multi-day aquifer test could be conducted following construction of the West River public water system wells. Observation wells for the aquifer test should include one or more Knighten Hills wells and the West River Test Well (Shervik Well). Lack of response in the Knighten Hills wells to pumping in the West River production wells would provide confidence that the West River wells are sufficiently isolated from the Knighten Hills wells.

Ground water level monitoring of selected Knighten Hills wells should be conducted on a periodic basis both before and after production from the West River Subdivision wells begins. Several monthly measurements should be collected prior to the start of West River production, with semi-annual monitoring for a period of two to three years thereafter.

Summary

Aquifers underlying the Knighten Hills and West River Subdivisions are present in a layered sequence of interbedded gravel, sand, silt, and clay sediments. A distinctive blue or gray clay transition was noted in most deeper wells in this area. Almost all Knighten Hills wells draw water from tan to brown sediments above this blue clay. Water levels in these upper sediments appear to be higher than in sediments below the blue clay transition.

Available water level data for wells near the Knighten Hills and West River Subdivisions indicate relatively stable water levels in recent years. Declines reported by Knighten Hills residents during the 1980s and early 1990s may be the result of increased pumping and/or downward leakage through Knighten Hills or other local wells.

The blue clay appears to be an effective aquitard between shallow and deeper aquifers, and appears to be areally extensive in the vicinity of the Knighten Hills and West River Subdivisions. The Shervik test well indicates that the uppermost blue clay zone in the West River area is 42 feet thick. The chances of interference between the West River wells and the Knighten Hills wells are least if the West River wells extend below blue clay. At a minimum, West River wells should be designed with screen openings below this clay layer. Aquifers below the blue-clay transition should be selected based on productivity and water quality.

A public water system well (Well #1 on Figure 2) near the location of the current test well should be at least 400 feet deep, with a casing seal that extends to a depth of at least 215 feet. The well and casing seal should extend approximately 60 feet deeper

in Well #2 (because of ground surface elevation differences) to reach and seal to the same aquifer zones. The West River #1 well should be used as the primary water system well.

Ground water level monitoring should be conducted in Knighten Hills and West River wells prior to and following construction of the West River wells.

Please contact us if you have any questions regarding this analysis, or if you would like additional information.

Respectfully,



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Principal Engineer/Hydrologist



Terry M. Scanlan, P.E., P.G.
Principal Engineer/Hydrologist



Attachments

Attachment A: List of Drillers' Reports

Attachment B: Drillers' Reports for Wells in the Vicinity of the Knighten Hills and West River Subdivisions

Attachment C: Knighten Hills Subdivision Lot Numbers

References

- Neely, K., 2001. Current status of ground water quality in the Treasure Valley - July, 2001, Idaho Department of Water Resources.
http://www.idwr.state.id.us/planpol/techserv/gwmon/status_of_gwq_tv.pdf.
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- Petrich, C. and Urban, S., 2004. Characterization of Ground Water Flow in the Lower Boise River Basin, Idaho Water Resources Research Institute and the Idaho Department of Water Resources, Research Report IWRRI-2004-01.
- Petrich, C.R., 2004. Simulation of Ground Water Flow in the Lower Boise River Basin, Idaho Water Resources Research Institute, Research Report IWRRI-2004-02.
- Theis, C.V., 1935. The relation between the lowering of the piezometric surface and the rate and duration of a well using ground-water storage. Transactions, American Geophysical Union, 16: 519-524.

Attachment A:
List of Drillers' Reports

Well Location & Construction Information

☐ = Well with driller's report and greater than 300' depth driller's report)

Contact	Map ID (see Figure 1)	Knighten Lot Number (see Figure 2)	Driller's Report	Use	TWP	RNG	SEC	Tract	Well Address	Subdivision	Constr. Date	Total Depth	Casing Depth	CSG. DIA.	Depth to "Blue Clay"	Gallons Per Minute	Static Water Level	Shallow/ Deep	Drilling Permit Number	Well Tag Number
Drillers' Reports for Knighten Hills and West River Subdivision Wells																				
VANEK BROS	36	1	Y	Domestic	02N	03W	6	SENW		Knighten Hills	8/2/76	90				0	65	S	798714	
SLOAN, LAWRENCE R	30	5	Y	Domestic-Single	02N	03W	6	SENW		Knighten Hills	4/25/84	215	181	6		12	126	S	722150	
SASAKI, MIKE & SUE	31	6	Y	Domestic	02N	03W	6	SENW		Knighten Hills	5/3/83	207				0	123	S	825638	
VANEK BROS	37	7	Y	Domestic	02N	03W	6	SENW		Knighten Hills	7/30/76	130				0	90	S	798715	
DOSER, LARRY	33	8	Y	Domestic-Single	02N	03W	6	NENW		Knighten Hills	8/29/88	227	223	6		15	155	S	722625	
VANEK BROS	38	10	Y	Domestic	02N	03W	6	SENW		Knighten Hills	7/6/77	220				0	140	S	798761	
VANEK BROS	35	11	Y	Domestic	02N	03W	6	SENW		Knighten Hills	7/11/77	210				0	140	S	789960	
CHADEZ, DUANE		22	Y	Domestic-Single	02N	03W	6	NENW	11724 EVA LN	Knighten Hills	11/7/90	240	220	6		15	142		724097	
HAINES, FLOYD L	5	24	Y	Domestic-Single	02N	03W	6	SENW	11699 LAWRENCE DR	Knighten Hills	6/14/96	315	299	6	310	20	219	S	730341	
HOWARD, ROBERT		27	Y	Domestic-Single	02N	03W	6	NESW	11630 LAWRENCE	Knighten Hills	7/1/99	230	218	6		80	180		732821	D0000714
MICHAELSON, SCOTT		34	N	Domestic-Single	02N	03W	6	SENW	11621 LAWRENCE DR	Knighten Hills	7/31/92	294	190	6		50	150		725942	
RICKWA, TED L	6	37	Y	Domestic-Single	02N	03W	6	SENW	11606 EVE LN	Knighten Hills	7/31/98	303	118	6	205	20	187	S/D	732349	D00007256
BLEW, DAVID L, BLEW, MARJORIE L	2	41	N	Domestic-Single Residence	02N	03W	6	SWNE	11433 LAWRENCE DR	Knighten Hills	8/10/92	365	335	6		13	212		725954	
BLEW, DAVID L, BLEW, MARJORIE L	3	41	N	Domestic-Single Residence	02N	03W	6	SWNE	11433 LAWRENCE DR	Knighten Hills	8/10/92	365	335	6		13	212		725955	
BLEW, DAVID L, BLEW, MARJORIE L	4	41	N	Domestic-Single Residence	02N	03W	6	SWNE	11433 LAWRENCE DR	Knighten Hills	8/10/92	365	335	6		13	212		725956	
VANEK BROS BLDG	39	?	Y	Domestic	02N	03W	6	SENW		Knighten Hills	7/18/77	165				0	125	S	798805	
CEREDA, JERRY	34		Y	Domestic-Single	02N	03W	6	NWSW	11481 EVA LANE	Knighten Hills	9/6/96	190	159	6	183	20	84	S	730624	
VANEK BROTHERS BUILDING			Y	Domestic	02N	03W	6	SENW		Knighten Hills	5/7/78	280				10	160		788631	
VANEK BROS		8	Y	Domestic	02N	03W	6	NESW		Knighten Hills	5/13/76	225				0	49		798709	
VANEK BROS BLDG			Y	Domestic	02N	03W	6	SENW		Knighten Hills	5/12/77	220				0	120		798803	
VANEK BROS BLDG			Y	Domestic	02N	03W	6	SENW		Knighten Hills	1/18/77	135				12	110		812283	
VANEK BROTHERS BUILDING			Y	Domestic	02N	03W	6	SENW		Knighten Hills	3/15/77	160				15	120		815997	
VANEK BROTHERS BUILDING			Y	Domestic	02N	03W	6	SENW		Knighten Hills	10/27/77	210				10	130		826653	
VANEK, STAN		8	Y	Domestic	02N	03W	6	NENW		Knighten Hills	6/9/74	155				18	130		798360	
SHERVIK BUILDERS	11		Y	Domestic	02N	03W	6	SWSE	OFF LOCUST RD NEAR RIVERSIDE	WESTRIVER SUB	8/19/04	372	349	6	170	100	162	D	822485	D0031651

Drillers' Reports for Wells in the vicinity of the Knighten Hills and West River Subdivisions

MILLAR, BRYCE	12		Y	Irrigation	02N	03W	5	NENE			2/28/74	804				0	0	D	805583	
KLINGSMITH FARMS	13		N	Irrigation	02N	03W	5	SESW			4/9/77	488				0	0		829157	
ZAMOLA, HOMER			Y	Domestic-Single	02N	03W	5	NWNE			9/3/90	119	107	6		80	25		723988	
FARNER, VIRGIL E			Y	Domestic	02N	03W	5	NENE			1/30/78	129				0	20		805743	
SHERFIRE PROPERTIES			Y	Monitoring	02N	03W	6	NWSE	LOCUST LN, S OF LAKE LOWELL	MW-1; WEST RIVER SUB	11/24/04	165	145	2			153		826162	D0038471
SHERFIRE PROPERTIES			Y	Monitoring	02N	03W	6	NWSE	LOCUST LN - S OF LAKE LOWELL	MW-2; WEST RIVER SUB	11/19/04	120	100	2			106		826163	D0038472
SHERFIRE PROPERTIES			Y	Monitoring	02N	03W	6	SWSE	LOCUST LN - S OF LAKE LOWELL	MW-3; WEST RIVER SUB	11/17/04	60	45.5	2			46		826164	D0038473
EDGERLY, DANIEL C	1		N	Domestic-Single	02N	03W	6	NENW			6/19/92	315	288	6		17	2		725753	
NAFSINGER, KIRK	7		Y	Domestic	02N	03W	6	SESE			7/10/84	347			300	0	214	S/D	773842	
BULGEN, TOM	8		Y	Domestic	02N	03W	6	SESW			1/23/80	490			225	0	150	D	773867	
JACOBS, LOCKE	9		Y	Domestic	02N	03W	6	NWSW			8/24/84	380			242	0	120	D	819838	
NAFSINGER, JIM	10		Y	Irrigation	02N	03W	6	SESE			5/12/77	388			218	0	70	D	821014	
CORNFORTH, LEON			Y	Domestic-Single	02N	03W	6	SENW				0				0	0		723338	
SHAW, RON			Y	Domestic-Single	02N	03W	6	SESE			10/31/91	250	123	6		12	147		724413	
ANDERS, WILLIAM C			Y	Domestic-Single	02N	03W	6	SWNE				0				0	0		724533	
KNIGHTON, L B			N	Domestic-Single	02N	03W	6	NWNW	17709 MARSING RD		10/10/92	40	39	6		18	17		726167	
ANDERS, WILLIAM C			N	Domestic-Single	02N	03W	6	SWNE	17483 MARSING RD		11/17/92	170	170	6		10	70		726303	
ANDERS, WILLIAM C			N	Domestic-Single	02N	03W	6	SWNE	17483 MARSING RD		12/1/92	250	232	6		65	70		726333	
COLOSKY, GEORGE			N	Domestic-Single	02N	03W	6	SENW	11601 EVA LN		2/25/93	241	198	6		16	168		726751	
PHALAN, ROBERT				Domestic	02N	03W	6				8/22/79	280				0	230		778181	

= Well with driller's report and greater than 300' depth driller's report)

Well Location & Construction Information

Contact	Map ID (see Figure 1)	Knighten Lot Number (see Figure 2)	Driller's Report	Use	TWP	RNG	SEC	Tract	Well Address	Subdivision	Constr. Date	Total Depth	Casing Depth	CSG. DIA.	Depth to "Blue Clay"	Gallons Per Minute	Static Water Level	Shallow/ Deep	Drilling Permit Number	Well Tag Number
EDGERLEY, DAN			Y	Domestic	02N	03W	6	SWNW			4/30/87	280				20	200		778959	
ECKER, BOB			Y	Domestic	02N	03W	6	NWNE			8/22/83	164				40	100		779254	
JACOBS, LOCKE			Y	Domestic	02N	03W	6	SESW			3/5/87	245				50	106		779255	
POESCHEL, RALPH			Y	Domestic	02N	03W	6	SENW			9/20/78	205				0	140		788599	
GAEDE, GREG			Y	Domestic	02N	03W	6	SENW			5/18/77	185				0	140		798700	
K H J CO			Y	Domestic	02N	03W	6				8/5/72	198				0	122		798701	
GIBBENS, BILLY L			Y	Domestic	02N	03W	6	NWNW			8/10/72	193				0	77		798702	
LINDSAY, JIM			Y	Domestic	02N	03W	6	SENW			5/19/76	112				0	82		798704	
HIBBARD, BILL			Y	Domestic	02N	03W	6	SENW			3/14/76	111				0	83		798705	
BIXLER, WILLIAM			Y	Domestic	02N	03W	6	NWSE			9/25/76	220				0	160		798716	
POESCHLE, PRETZ			Y	Domestic	02N	03W	6	SENW			7/23/77	175				0	120		798757	
K H J CO			Y	Domestic	02N	03W	6	NE			7/13/72	180				15	115		800254	
BOWERS, LELAND			Y	Domestic	02N	03W	6	NWNW			12/30/69	148				20	65		809296	
DEMICO, ROBERT A			Y	Domestic	02N	03W	6	NENE			6/12/81	208				20	150		819998	
POESCHEL, RALPH			Y	Domestic	02N	03W	6	SENW			6/26/78	170				0	110		828431	
POESCHEL, RALPH W (PRETZ)			Y	Domestic	02N	03W	6	SENW			12/17/77	210				0	45		828817	
SHENK, MYRON D	14		Y	Domestic-Single	02N	03W	7	SWSE	LEWIS LN		3/28/96	600	280	6	215	40	162	D	730234	
DUTTON, BOBBIE, DUTTON, GARY	15		Y	Domestic-Single Residence	02N	03W	7	NW	17762 LEWIS LN		3/8/95	460	298	6	226	25	167	D	729150	
MC CRAE, LON	16		Y	Domestic-Single Residence	02N	03W	7	NESW	10430 RANDALL LANE (LEWIS LANE)		5/16/03	440	368	6	360	40	208	D	801496	D0029184
ILES, MERLE, ILES, FAYE	17		Y	Domestic-Single	02N	03W	7	SENW	17776 LEWIS LANE		7/5/99	605	300	6	230	20	260	D	733374	D0009789
MILBURN, RANDY			Y	Domestic-Single	02N	03W	7	SESW	17758 LEWIS LN		5/14/97	140	140	6		25	82		731301	
MILBURN, CLANCEY			Y	Domestic-Single	02N	03W	7	SESW	LEWIS LN		5/20/97	260	260	6		15	108		731317	
MILBURN, JIM			Y	Domestic-Single	02N	03W	7	SESW	LEWIS LN		5/25/97	221	221	6		25	95		731331	
MILBURN, JIM			Y		02N	03W	7	SESW			9/21/70	140				7	95		798343	
CALLAWAY, JOHN M			Y	Domestic	02N	03W	7	NENW			11/11/68	112				100	45		798358	
SYMMS FRUIT RANCH INC			Y	Domestic-Single	02N	03W	7	NENE	M FALEN PLACE			0				0	0		724945	
J R SIMPLOT CO			N	Monitoring	02N	03W	7	NENE	COOL RD & W LOCUST LANE			0				0	0		726005	
DUTTON, BOBBY, DUTTON, GARY			Y	Injection	02N	03W	7	NESW	17762 LEWIS LN		3/14/95	160	98	6		0	Above Ground Level		729185	
LACHCIK, JERRY			Y	Domestic-Single	02N	03W	7	SENW	LOCUST RD		9/15/97	198	197	6		60	65		731591	D0001267
CALLOWAY, JOHN			Y	Domestic-Single	02N	03W	7	NWNW	17875 LOCUST LN		7/1/96	220	210	6		25	40		730498	
JACOBS, VANGIE			Y	Domestic-Single	02N	03W	7	NWNW	17769 LOCUST		3/28/01	247	-238	6		35	120		768275	D0018191
PRANDL, HERB			Y	Domestic-Single	02N	03W	7	NWNW	10878 RIVERSIDE		10/22/02	283	255	6		12	75		787820	D0025821
GRAY, ROBERT	18		Y	Domestic-Single	02N	03W	8	NENE	10700 COOL ROAD	SEVOYA ACRES	5/23/02	400	384	6	336	40	287	D	776860	D0019798
SMITH, LUCILLE A	19		Y	Domestic-Single	02N	03W	8	NWNW			1/24/92	330	274	6	261	17	207	D	725321	
RAWLINGS, FRANK N	21		Y	Irrigation	02N	03W	8	SESW			12/31/99	490	467	16	276	9999	220	D	811658	
LYONS FARMS	22		Y	Irrigation	02N	03W	8	NWNE			4/1/77	358			278	0	95	S	798794	
LYONS FARMS	23		Y	Irrigation	02N	03W	8	NWNE			5/18/77	420			268	0	95	S/D	798796	
BENDER, LARRY			Y	Domestic-Single	02N	03W	8	SENE	10625 PERCH RD		4/17/95	280	237	6		30	185		729278	
ANDERSON, MIKE			Y	Domestic	02N	03W	8	NESE			6/7/72	68				0	31		799305	
KNAPP, GLENN C			Y	Irrigation	02N	03W	8	NESE			12/31/99	284				9999	158		811649	
SMITH, LENESS			Y	Domestic	02N	03W	8	NWNW			1/16/74	362				0	284		798792	
VILLARREAL, CATARINO			Y	Domestic	02N	03W	8	NWNW			10/5/81	242				0	170		821718	
RAWLINGS, FRANK N			N	Irrigation	02N	03W	8	SESW	END OF COOL RD 1/2 MILE EAST		12/15/92	465	315	16		0	230		726354	
HAWKER, B EUGENE	27		Y	Irrigation	02N	04W	1	SWSE			4/22/1992	560	450	12	70	0	30	D	724487	
GIBBENS, LA DONNA J, GIBBENS, BILLY L			Y	Domestic-Single Residence	02N	04W	1	SENW	11678 PAUL LANE		1/11/1994	128	120	6		23	74		727939	
COMSTOCK ENTERPRISES INC			Y	Domestic-Single Residence	02N	04W	1	SENW	11568 PAUL LN (S OF MARSING RD)		9/22/1997	250	160	6		15	110		731614	D0001136
TOLMIE, WARREN			Y	Domestic	02N	04W	1	SWSE			6/17/1976	285				0	23		799294	
BOWERS, LELAND			Y	Domestic	02N	04W	1	NENE	RT 4		12/30/1969	148				20	65		802703	
JACOBS, LOCK			Y	Domestic-Single	02N	04W	1	SWSW	S CHICKEN DINNER RD			0				0	0		724859	
KUSHLAN, RICHARD E, PERKINS, KEN			Y	Domestic-Single Residence	02N	04W	1	SWSW	18884 LOCUST LN		10/9/1995	220	78	6		15	30		729737	

Well Location & Construction Information

☐ = Well with driller's report and greater than 300' depth driller's report)

Contact	Map ID (see Figure 1)	Knighten Lot Number (see Figure 2)	Driller's Report	Use	TWP	RNG	SEC	Tract	Well Address	Subdivision	Constr. Date	Total Depth	Casing Depth	CSG. DIA.	Depth to "Blue Clay"	Gallons Per Minute	Static Water Level	Shallow/ Deep	Drilling Permit Number	Well Tag Number
TOLMIE, WARREN			Y	Domestic	02N	04W	1	SWSW			1/14/1966	100				0	28		829177	
SNOW, JANE, SNOW, RALPH			N	Domestic-Single Residence	02N	04W	1	NENW			4/3/1987	140	130	6		15	53		722366	
SNOW, JANE, SNOW, RALPH			N	Domestic-Single Residence	02N	04W	1	NENW			5/4/1987	206	162	6		15	67		722367	
INECK, JOSEPH J			N	Domestic-Single Residence	02N	04W	1	NENW	SAME			0				0	0		726073	
HAWKER, B EUGENE			Y	Domestic-Single Residence	02N	04W	1	SESE	11211 RIVERSIDE RD		9/17/1997	252	252	6		50	50		731585	D0001222
MARSH, CHARLES,	28		Y	Domestic-Single Residence	02N	04W	12	SENE	LEWIS LN		7/20/1995	720	238	8	300	100	193		729530	
JENSEN, GORDON D																				
MARSH, CHARLES,	29		Y	Domestic-Single Residence	02N	04W	12	SENE	LEWIS LN		10/12/1995	720	480	6	300	100	193	D	729829	
JENSEN, GORDON D																				
DAVINPORT, BOB	40		Y	Domestic-Single Residence	02N	04W	12	SWNW	9724 CHICKEN DINNER RD		3/18/2004	243	98	6	55	30	22	D	811620	D0030972
BEAGLEY, CLIFF			Y	Domestic-Single Residence	02N	04W	12	SESW	18430 LEWIS LN		7/4/1995	138	80	6		27	43		729487	
HARRIS, JACK G			Y	Domestic	02N	04W	12	NE			9/20/1966	174				9999	135		798309	
DODSON, ANDY			Y	Domestic-Single	02N	04W	12	NENE	18061 LOCUST LANE		12/16/2003	195	180	6		35	84		809599	D0030847
COLLINS, BRENT			Y	Domestic-Single	02N	04W	12	NENE	10594 RIVERSIDE RD		2/20/2004	280	272	6		20	94		810812	D0030962
STEPHENSON, ARCHIE			Y	Domestic	03N	03W	31	SESW		WEAVER ACRS	5/7/75	60				0	10		775084	
PETERSON, LORENZO	24		Y	Domestic	03N	03W	31	SWSW			8/2/61	320				1250	40		792108	
WALKER, ELDON K			Y	Domestic-Single	03N	03W	31	SENE	WALKER LAKE RD			0				0	0		723909	
PETERSEN, BOYD			N	Domestic-Single	03N	03W	31	SWSW				0				0	0		723997	
PETERSEN, BOYD			N	Domestic-Single	03N	03W	31	SWSW				0				0	0		723998	
WALKER, DONALD E			N	Domestic-Single	03N	03W	31	NESW			11/6/90	92	92	6		18	60		724090	
WALKER, DONALD E			N	Domestic-Single	03N	03W	31	NESW			11/6/90	92	92	6		18	60		724091	
DENT, EMMETT			N	Domestic-Single Residence	03N	03W	31	NENW	12993 WALKER LAKE RD		12/10/92	78	76	6		0	50		726349	
STEPHENSON, ARCHIE			Y	Domestic	03N	03W	31	SESW			11/10/75	110				40	10		793013	
WALKER, JOHN E			Y	Irrigation	03N	03W	31	SENE			12/31/99	187				455	195		793672	
KOCTE, PEGGY			Y	Domestic-Single Residence	03N	03W	31	NENE	12910 WALKER LAKE RD			0				0	0		723890	
GOULD, JAMIY			Y	Domestic-Single	03N	03W	31	NENE	927 S MIDDLETON RD		4/6/94	151	145	6		150	25		728138	
WALKER, JOHN E			Y	Irrigation	03N	03W	31	SWNW			12/31/99	220				77/5	65		793678	
WALKER, JOHN E			Y	Domestic	03N	03W	31	SENW			3/30/56	297				0	92		775086	
SAXTON FRUIT FARMS INC	25		Y		03N	03W	32	NENE			6/30/79	577	572		150	0	110	D	776482	
US DEPT OF INTERIOR			Y	Monitoring	03N	03W	32	SENESE	50 FT SOUTH OF LAKE SHORE DRIVE IN REFUGE LOT # 6			0				0	0		732851	D0000757
US DEPT OF INTERIOR			Y	Monitoring	03N	03W	32	SENESE	50 FT SOUTH OF LAKE SHORE DRIVE IN REFUGE LOT # 6		10/19/99	110	110	2		0	21.74		732867	D0000765
BILL PUGH CONSTRUCTION			Y	Domestic-Single Residence	03N	03W	32	SWSW	16600 MARSING RD		2/12/99	285	248	6		30	116		732995	D0009118
WALKER, CLAUDE			Y	Domestic	03N	03W	32	SWSE			12/31/99	63				9999	18		792104	
WILLIAMS, RICHARD			Y	Domestic	03N	03W	32	SWNE			5/27/74	105				9999	30		793016	
BUCY, RAY	26		Y	Domestic	03N	04W	36	SESE			7/22/1969	400			168	0	200	D	775028	
ROBERTSON, STEVE			Y	Domestic-Single Residence	03N	04W	36	NWNW	CORNER OF CHICKEN DINNER & SYMMMS			0				0	0		722422	
IDAHO FARMWAY INC, WEITZ, KURTIS			Y	Domestic-Single Residence	03N	04W	36	SENE			11/12/88	155	140	6		30	120		722682	
GREEN ACRES FARMS			N	Commercial	03N	04W	36	NENW	SYMMMS ROAD			0				0	0		725064	
BOWERS, DANIEL R			Y	Domestic-Single	03N	04W	36	SENE	12558 RIVERSIDE RD		9/19/95	125	106	6		45	60		729691	
US DEPT OF INTERIOR			Y	Monitoring	03N	04W	36	NWSESE	+ - 1000 FT NORTH OF MARSING ROAD ON RIVERSIDE			0				0	0		732852	D0000758
BINE, RENE			Y	Domestic-Single Residence	03N	04W	36	NWSESE	12251 RIVERSIDE		10/5/2000	165	-154	6		42	66		766887	D0015760
ARRIOLA, LEWIS			Y	Domestic-Single	03N	04W	36	NESW				0				0	0		724361	
THOMAS, CLELL			Y	Domestic	03N	04W	36	SWNE			5/23/1978	122				0	47		829296	
ARCHER, KENNETH J			Y	Domestic-Single	03N	04W	36	SWSE	18934 MARSING RD		8/30/1992	150	135	8		50	40		726063	

Well Location & Construction Information																				
Contact	Map ID (see Figure 1)	Knighten Lot Number (see Figure 2)	Driller's Report	Use	TWP	RNG	SEC	Tract	Well Address	Subdivision	Constr. Date	Total Depth	Casing Depth	CSG. DIA.	Depth to "Blue Clay"	Gallons Per Minute	Static Water Level	Shallow/ Deep	Drilling Permit Number	Well Tag Number
FOLWELL, RON			Y	Domestic-Single Residence,	03N	04W	36	SWSE	18324 MARSING ROAD		2/2/2002	185	90	6		40	60		773098	D0019525
FOLWELL, GARY			Y	Domestic-Single	03N	04W	36	SESE	18312 MARSING RD		11/12/1993	124	75	6		35	67		727611	
FALWELL, GARY			Y	Domestic-Single	03N	04W	36	SESE	18312 MARSING RD		8/18/1998	140	97	6		50	20		732475	D0007469
LARRY QUINTANA CONSTRUCTION			Y	Domestic-Single Residence	03N	04W	36	NWSE	12431 RIVERSIDE RD		7/29/1997	145	140	6		20	59		731480	
ARCHER, ARLESS			Y	Domestic-Single Residence	03N	04W	36	NWSE	12451 RIVER SIDE ROAD		5/5/1998	145	122	6		40	60		731884	D0000495
SAXTON FRUIT FARMS			Y	Domestic	03N	04W	36	SENV			6/7/1978	160				0	100		831524	

☐ = Well with driller's report and greater than 300' depth driller's report)

Attachment B:

**Drillers' Reports for Wells in the Vicinity of the Knighten Hills
and West River Subdivisions**

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

065436

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

LOT
37

1. WELL TAG NO. D 0007556
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Fred L. Rickwa
Address 4420 Lake Ave
City Caldwell State ID Zip 83605

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 2 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 6 1/4 SE 1/4 NW 1/4
Gov't Lot _____ County Canyon
Lat: _____ Long: _____

Address of Well Site 11606 E. 4th St.
1/4 mile south of Margaret City Caldwell, ID
(Give at least name of road + distance to road or landmark)

Lt. 2 Blk. 2 Sub. Name Knighten Hills
Sub. Caldwell, ID 83605

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

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

6. DRILL METHOD

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>5" bentonite</u>	<u>0</u>	<u>20</u>	<u>700</u>		<u>dry pour</u>

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
<u>6" x 2</u>	<u>118</u>	<u>250</u>	<u>steel</u>		☒	☐	☒	☐

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:

187 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 228 ft. Describe access port or control devices: well cap

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
<u>20</u>	<u>3'</u>	<u>190</u>	<u>2 hours</u>

Water Temp. 74° Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter 228

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>8</u>	<u>0</u>	<u>20</u>	<u>fine brown blow sand</u>		☒
<u>6</u>	<u>20</u>	<u>33</u>	<u>fine brown blow sand</u>		☒
	<u>33</u>	<u>78</u>	<u>brown clay</u>		☒
	<u>78</u>	<u>94</u>	<u>brown clay - sandy</u>		☒
	<u>94</u>	<u>134</u>	<u>brown clay</u>		☒
	<u>134</u>	<u>182</u>	<u>brown clay - sandy</u>		☒
	<u>182</u>	<u>205</u>	<u>brown clay</u>		☒
	<u>205</u>	<u>228</u>	<u>blue clay</u>		☒
	<u>228</u>	<u>247</u>	<u>gray clay - water at 228'</u>		☒
	<u>247</u>	<u>260</u>	<u>gray clay - sandy</u>		☒
	<u>260</u>	<u>278</u>	<u>gray shale</u>		☒
	<u>278</u>	<u>301</u>	<u>sandy gray clay</u>		☒
	<u>301</u>	<u>303</u>	<u>gray sand</u>		☒

RECEIVED
RECEIVED

AUG 27 1998
AUG 26 1998

Department of Water Resources
WESTERN REGION

Completed _____ Depth 300 (Measurable)
Date: Started 7-1-98 Completed 7-31-98

13. DRILLER'S CERTIFICATION

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

Company Name Dr. Rickwa Drilling Firm No. 399

Firm Official [Signature] Date 8-16-98

and
Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

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.

1. WELL OWNER Name <u>Kirk Nafsinger</u> Address <u>R. RT. 4, Caldwell, Idaho 83605</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>214</u> 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 _____ <i>Describe artesian or temperature zones below.</i>																																																										
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailer ☒ Air ☐ Other _____ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td>30</td> <td></td> <td>2</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	30		2																																																				
Discharge G.P.M.	Pumping Level	Hours Pumped																																																									
30		2																																																									
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)	9. LITHOLOGIC LOG <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Bore Diam.</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th colspan="2">Water</th> </tr> <tr> <th>From</th> <th>To</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>0</td> <td>20</td> <td>sand, gravel & clay</td> <td></td> <td>*</td> </tr> <tr> <td>6</td> <td>20</td> <td>40</td> <td>sand & gravel</td> <td></td> <td>x</td> </tr> <tr> <td>6</td> <td>40</td> <td>280</td> <td>clay/sand seams</td> <td></td> <td>x</td> </tr> <tr> <td>6</td> <td>280</td> <td>300</td> <td>clay & sand layers</td> <td>x</td> <td></td> </tr> <tr> <td>6</td> <td>300</td> <td>310</td> <td>blue clay & sand layers</td> <td>x</td> <td></td> </tr> <tr> <td>6</td> <td>310</td> <td>325</td> <td>blue clay</td> <td></td> <td>x</td> </tr> <tr> <td>6</td> <td>325</td> <td>344</td> <td>sand</td> <td>x</td> <td></td> </tr> <tr> <td>6</td> <td>344</td> <td>347</td> <td>clay</td> <td></td> <td>x</td> </tr> </tbody> </table>	Bore Diam.	Depth		Material	Water		From	To	Yes	No	8	0	20	sand, gravel & clay		*	6	20	40	sand & gravel		x	6	40	280	clay/sand seams		x	6	280	300	clay & sand layers	x		6	300	310	blue clay & sand layers	x		6	310	325	blue clay		x	6	325	344	sand	x		6	344	347	clay		x
Bore Diam.	Depth		Material	Water																																																							
	From	To		Yes	No																																																						
8	0	20	sand, gravel & clay		*																																																						
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6	40	280	clay/sand seams		x																																																						
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6	344	347	clay		x																																																						
4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	10. WORK STARTED Work started <u>7-09-84</u> finished <u>7-10-84</u>																																																										
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Department of Water Resources
Western Regional Office

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Department of Water Resources
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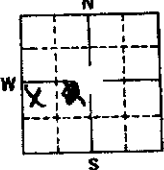
STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Tom Bulgen</u> Address <u>Marsing, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>150</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ OF. Quality _____																																																																																																																													
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11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Frank Skinner Well Drilling</u> Firm No. <u>212</u> <u>4145 N. Blackfoot</u> Address <u>Moscow, Idaho</u> Date <u>2/2/80</u> Signed by (Firm Official) <u>Frank Skinner</u> and (Operator) <u>Frank Skinner</u>																																																																																																																															

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

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 <u>Looke Jacobs</u> Address _____ Owner's Permit No. _____		7. WATER LEVEL Static water level <u>120</u> feet below land surface. Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ °F. Quality _____ Describe artesian or temperature zones below.																																																													
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Air ☐ Other _____ Discharge G.P.M. _____ Pumping Level _____ Hours Pumped _____																																																													
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USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

MAY 31 1977

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

Department of Water Resources

1. WELL OWNER

Name Jim NafsingerAddress Route #4 Caldwell, Idaho 83605Owner's Permit No. 57-7183

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Abandoned (describe method of abandoning)

7. WATER LEVEL

Static water level 70 feet below land surfaceFlowing? ☐ Yes ☐ No G.P.M. flowTemperature ° F. QualityArtesian 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

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 28 inches Total depth 388 feetCasing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>.250</u> inches	<u>16</u> inches	<u>9</u> feet	<u>90</u> feet
<u>1/4</u> inches	<u>16</u> inches	<u>170</u> feet	<u>330</u> feet
<u>1/4</u> inches	<u>16</u> inches	<u>370</u> feet	<u>388</u> feet
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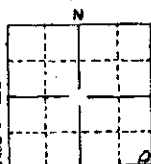
Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☒ Yes ☐ NoPerforated? ☐ Yes ☐ NoHow perforated? ☐ Factory ☐ Knife ☐ TorchSize of perforation inches by inches

Number	From	To
<u>perforations</u>	<u>feet</u>	<u>feet</u>
<u>perforations</u>	<u>feet</u>	<u>feet</u>
<u>perforations</u>	<u>feet</u>	<u>feet</u>

Well screen installed? ☒ Yes ☐ NoManufacturer's name Rosco MossType Model No.Diameter 16 Slot size 80 Set from 90 feet to 170 feetDiameter 16 Slot size 80 Set from 330 feet to 370 feetGravel packed? ☐ Yes ☐ No Size of gravel feetPlaced from feet to feetSurface seal depth 25' Material used in seal ☐ Cement grout☒ Puddling clay ☐ Well cuttingsSealing procedure used ☐ Sherry pit ☐ Temporary surface casing☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name 63Lot No. Block No.County CanyonSE 1/4 Sec. 6 T. 2 N. R. 3 E.W.

9. LITHOLOGIC LOG

106777

Hole Diam.	Depth		Material	Water Yes/No
	From	To		
<u>28</u>	<u>0</u>	<u>10</u>	<u>top soil</u>	
	<u>10</u>	<u>14</u>	<u>soil and calechie</u>	
	<u>14</u>	<u>24</u>	<u>sand gravel and calechie</u>	
	<u>24</u>	<u>34</u>	<u>calechie and sand stone</u>	
	<u>34</u>	<u>44</u>	<u>sandstone with small amt of calechie</u>	
	<u>44</u>	<u>48</u>	<u>sand from fine to coarse</u>	
	<u>48</u>	<u>58</u>	<u>sand from fine to coarse with cinders</u>	
	<u>58</u>	<u>68</u>	<u>brown sand to coarse cinders</u>	
	<u>68</u>	<u>77</u>	<u>" " " " " "</u>	
	<u>77</u>	<u>88</u>	<u>cinders to grey shale</u>	
	<u>88</u>	<u>98</u>	<u>gravel</u>	
	<u>98</u>	<u>118</u>	<u>gravel</u>	
	<u>118</u>	<u>128</u>	<u>fine sand</u>	
	<u>128</u>	<u>148</u>	<u>fine grey sand</u>	
	<u>148</u>	<u>178</u>	<u>grey green clay</u>	
	<u>178</u>	<u>208</u>	<u>clay brown</u>	
	<u>208</u>	<u>218</u>	<u>fine sand and sandstone</u>	
	<u>218</u>	<u>288</u>	<u>blue clay</u>	
	<u>288</u>	<u>298</u>	<u>blue clay mix fine sand</u>	
	<u>298</u>	<u>308</u>	<u>" " " " " "</u>	
	<u>308</u>	<u>318</u>	<u>blue clay</u>	
	<u>318</u>	<u>338</u>	<u>fine sand</u>	
	<u>338</u>	<u>358</u>	<u>coarse sand</u>	
	<u>358</u>	<u>368</u>	<u>mix blue clay & sand</u>	
	<u>368</u>	<u>388</u>		

10.

Work started 9 May, 1977 finished 12 May, 1977

11. DRILLERS CERTIFICATION

Firm Name Pete Cope Drilling Co. INC. Firm No. 913Address 105K-Bar-T Dr., Boise, Idaho Date 13/5/77Signed by (Firm Official) Pete Cope

and

(Operator) Pete Cope

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

IDAHO DEPARTMENT OF WATER ADMINISTRATION
IDAHO DISTRICT OFFICE
1117 LINCOLN RD.
IDAHO FALLS, IDAHO 83401

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 Bryce Millar
Address Nampa, Idaho
Owner's Permit No. _____

7. WATER LEVEL

Static water level 804 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

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped

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 26 inches Total depth 804 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>.317</u> inches	<u>30</u> inches	<u>1</u> feet	<u>20</u> feet
<u>.317</u> inches	<u>12</u> inches	<u>1</u> feet	<u>40</u> feet
<u>.317</u> inches	<u>16</u> inches	<u>1</u> feet	<u>418</u> 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

Well screen installed? ☒ Yes ☐ No
Manufacturer's name Johnson
Type Irrigation Model No. 100 Slot UOP
Diameter _____ Slot size _____ Set from 1 feet to 80 feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

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

Surface seal depth 30" Material used in seal ☒ Cement grout
☐ Puddling clay ☐ Well cuttings
Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing
☐ Overbore to seal depth

LOCATION OF WELL

Each map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Canyon

NE 1/4 NE 1/4 Sec. 15, T. 2 N. R. 3 W.

10.

Work started 3-26-73 finished 4-31-73

11. DRILLERS CERTIFICATION

Firm Name COPE DRILLING & PUMP CO. Firm No. _____

Address Idaho Falls, Idaho Date 2-28-74

Signed by (Firm Official) Valley Bank Executive

and
(Operator) Jefferson U.P.

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

092551

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

1. DRILLING PERMIT NO. 63-96-W 0139-000
Other IDWR No. _____

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
35-40			1/2 HR

Water Temp. 68

Bottom hole temp. _____

Water Quality test or comments: .5 IRON / 7.5 PH / 17 GRAMSDepth first Water Encountered 173

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	1	5	TOP SOIL SANDY		
5	10		GRAVEL + SAND		
10	13		SOIL w/ GRAVEL		
13	20		TAN CLAY		
20	40		TAN CLAY w/ ROCKS		
40	85		TAN CLAY		
85	87		TAN CLAY w/ small GRAVEL - PEASIZE		
87	100		TAN CLAY		
100	117		SANDY CLAY		
117	118		CLAY		
118	140		SANDY CLAY		
140	144		CLAY		
144	167		SANDY CLAY		
167	173		CLAY		
173	186		SANDY CLAY		
186	215		CLAY		
215	220		BLUE CLAY w/ some WATER		
220	268		BLUE CLAY - HARD		
268	280		CLAY w/ SOFT SPOTS OR VOIDS 6" x 1"		
280	285		CLAY - REG TYPE - BLUE		
285	288		SOFT BLUE CLAY		
288	385		REG BLUE CLAY		
385	433		VERY HARD BLUE CLAY		
433	437		VERY SOFT BLUE		
437	450		CLAY BLUE		
450	455		SOFT CLAY + SHORT HARD BLUE SEAMS		
455	460		SAME - approx 25-30		
460	600		CLAY w/ SHORT SOFT SEAM BLUE		

RECEIVED

AUG 21 1996

APR 23 1996

WATER RESOURCES
WESTERN REGIONCompleted Depth 600' (Measurable)Date: Started 3-25-96 Completed 3-28-96

13. DRILLER'S CERTIFICATION

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

Firm Name ADAMS ON Pump & Drilling Firm No. 0457Firm Official Dave Adamson Date 4-4-96and Supervisor or Operator DAVE ADAMSON Date 4-4-96

(Sign once if Firm Official & Operator)

C

2. OWNER:

Name MYRON SHENK
Address P.O. Box 9614
City Nampa State ID Zip 83652

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N	
Twp. <u>2</u> North ☒ or South ☐	
Rge. <u>3</u> East ☐ or West ☒	
Sec. <u>7</u> <u>SW</u> 1/4 <u>SE</u> 1/4 1/4	
Gov't Lot _____ County <u>CANYON</u> 10 acres 150 acres	
Lat: _____ Long: _____	

Address of Well Site LEWIS LANECity NAMPA

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name PARCEL 7

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	20	500#	OVERBORE

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	12	25	25	STEEL	☒	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 2 Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type NONE

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

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

162 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

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IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

801496

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat _____ Long _____

1. WELL TAG NO. ~~00020184~~ 29184
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name LON MCRAE
Address 10430 RANDALL LANE
City CALDWELL State ID Zip 83607

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 2 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 7 1/4 NE 1/4 SW 1/4
Gov't Lot _____ County CANYON
Lat _____ Long _____
Address of Well Site SAME City _____

(Give at least name of road + Distance to Road or (Landmark))
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

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

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack		AMOUNT		METHOD
Material	From To	Sacks or Pounds		
BENTONITE	0 18	650#		POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 368
Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	368	250 STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Screen Type _____

From To	Slot Size	Number	Diameter	Material	Casing	Liner
					☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

208 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
40	20	360	2 HR

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y	N
10	0	2	TOP SOIL		
	2	110	YELLOW CLAY		
	110	170	SAND/ CLAY LAYERS		
	170		SAND/ CLAY LAYERS LITTLE		
	200		WATER	X	
	200	290	BROWN SAND	X	
	290	340	BLUE SAND	X	
	340	360	BLUE SAND/ SHALE	X	
	360	380	BLUE CLAY		
	380	440	BLUE SHALE/ FINE SAND	X	

RECEIVED

MAY 21 2003

WATER RESOURCES
WESTERN REGION

Completed Depth 440 (Measurable)

Date: Started 5/13/2003 Completed 5/16/2003

13. DRILLER'S CERTIFICATION:

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

Company Name DAVIS WELL & PUMP Firm No. 101

Firm Official Chuck Kearn Date 5/19/2003

and Driller or Operator Chris Plavin Date 5/19/2003

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

WELL DRILLER'S REPORT

Use Typewriter or Ballpoint Pen

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

1. DRILLING PERMIT NO.

Other IDWR No. D0009789
63-99-10-0495-000

2. OWNER:

Name Merle + Faye Jiles
Address 310 N Midland Blvd #2
City Nampa State ID Zip 83651

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W
E
S
Twp. 2 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 7 1/4 SE 1/4 NW 1/4
Gov't Lot _____ County Canyon 10 acres 40 acres 160 acres
Lat: _____ Long: _____
Address of Well Site 17776 Lewis Lane
City Caldwell
(Give at least name of road + Distance to Road or Landmark)
Lt. 6 Bk. _____ Sub. Name Charles Gear Sub

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>Dry Gran Bed + Well Cuttings</u>	<u>0</u>	<u>18</u>	<u>300 lb</u>		<u>Overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 300'

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6</u>	<u>+2</u>	<u>300</u>	<u>1/4</u>	<u>Steel</u>	☒	☐	☒	☐

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:

260 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: Sanitary Well Cap

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
<u>45</u>	<u>NA</u>	<u>580</u>	<u>1 Hr</u>
<u>30</u>	<u>NA</u>	<u>300</u>	<u>1 Hr</u>
<u>20</u>	<u>NA</u>	<u>280</u>	<u>1 Hr</u>

Water Temp. 60° Bottom hole temp. _____

Water Quality test or comments: Some Clay Wash

Depth first Water Encountered 215

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>10</u>	<u>0</u>	<u>4</u>	<u>Sandy Soil</u>			☒
<u>10</u>	<u>4</u>	<u>18</u>	<u>Sandy Clay</u>			☒
<u>6</u>	<u>18</u>	<u>152</u>	<u>Sandy Clay</u>			☒
<u>6</u>	<u>152</u>	<u>192</u>	<u>Brn Clay</u>			☒
<u>6</u>	<u>192</u>	<u>195</u>	<u>Sandy Clay</u>			☒
<u>6</u>	<u>195</u>	<u>207</u>	<u>Brn Clay</u>			☒
<u>6</u>	<u>207</u>	<u>216</u>	<u>Sandy Clay Little Water</u>	☒		
<u>6</u>	<u>216</u>	<u>230</u>	<u>Brn Clay</u>			☒
<u>6</u>	<u>230</u>	<u>310</u>	<u>Hard Gray Clay</u>			☒
<u>6</u>	<u>310</u>	<u>301</u>	<u>fine Sand Soft Spot</u>			☒
<u>6</u>	<u>301</u>	<u>340</u>	<u>Hard Gray Clay</u>			☒
<u>6</u>	<u>340</u>	<u>360</u>	<u>Gray Shale Water weep</u>	☒		
<u>6</u>	<u>360</u>	<u>540</u>	<u>Hard Gray Clay + Shale Layers</u>	☒		
<u>6</u>	<u>540</u>	<u>560</u>	<u>Some Water weep</u>	☒		
<u>6</u>	<u>560</u>	<u>580</u>	<u>Gray Clay Thin Soft + Hard Layers</u>	☒		
<u>6</u>	<u>580</u>	<u>605</u>	<u>Hard Gray Shale</u>	☒		
<u>6</u>	<u>605</u>		<u>Gray Shale</u>	☒		

RECEIVED RECEIVED

AUG 11 1999

AUG 10 1999

Department of Water Resources

WATER RESOURCES
WESTERN REGION

Completed Depth 605
Date: Started 6/28/99 Completed 7/5/99 (Measurable)

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 Domestic Pump + Drilling Firm No. 483

Firm Official _____ Date _____

and _____

Supervisor or Operator [Signature] Date 7/25/99

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat _____ Long _____

1. WELL TAG NO. D0019798

DRILLING PERMIT NO. _____

Other IDWR No. _____

2. OWNER:

Name ROBERT GRAY

Address 10700 COOL RD

City CALDWELL State ID Zip 83607

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

North ☒ or South ☐
East ☐ or West ☒
Twp. 2 Rge. 3 Sec. 8
Gov't Lot _____ County CANYON
Lat _____ Long _____
Address of Well Site SAME
City _____
(Give at least name of road - Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To		
BENTONITE	0	18	700#	POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 384

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	384	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:

287 ft below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft Describe access port or control devices: _____

11. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
40	20	380	2 HR

Water Temp. _____

Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
10	0	6	TOP SOIL	
	6	18	SAND/ GRAVEL	
6	18	23	SAND/ GRAVEL	
	23	190	LAYERS SAND/ CLAY	
	190	230	SAND	
	230	240	CLAY	
	240	335	SAND	X
	335	336	SHALE	
	336	383	BLUE SAND/ SHALE	X
	383	388	BLUE SHALE	
	388	393	BLUE SAND/ SHALE	X
	393	395	BLUE CLAY/ SHALE	
	395	400	BLUE SHALE/ SAND	X

RECEIVED

JUN 04 2002

WATER RESOURCES
WESTERN REGION

Completed Depth 400 (Measurable)

Date Started 5/21/2002 Completed 5/23/2002

13. DRILLER'S CERTIFICATION:

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

Company Name DAVIS WELL & PUMP

Firm No. 101

Firm Official Shawn Kline

Date 5/28/2002

and

Driller or Operator

Date 5/28/2002

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO 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.

[illegible]

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

21a

WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO

NOV 29 1962

034922

Permit No. 9.30.527 Well No. _____ County Canyon

Department of Reclamation

Owner Frank Rawlings

Address Route 4, Nampa, Idaho

Driller Davis Well Drilling

Address 273 Davis Ave Nampa Idaho

Well location SE 1/4 SW 1/4 Sec 8, T. 2 N. R. 3 W

Size of drilled hole 16 in

NW 1/4	NE 1/4
SW 1/4	SE 1/4

Total depth of well 490 ft

Give depth to standing water from the ground 220 ft Water temp. _____ °Fahr.

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

Size of pump and motor used to make test _____

Length of time of test _____ hours _____ minutes.

If flowing well, give flow _____ c.f.s. or _____ g.p.m. and of shut off pressure _____

If flowing well, described control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for irrigation Weight of casing per lineal foot _____

Thickness of casing 10 gauge Casing material steel (STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 328 ft 16 in 192 ft 14"
(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"	Surface	328 ft	328'	
14"	275	467	192'	

Number and size of perforations 1" x 1/4" located 195 feet to 220 feet from ground

16 in 1" x 1/4" 260 275

14 in 2" x 1/16" 279 463

Date of commencement of well July 62 Date of completion of well Nov 62

SESW 5.82N 3W

WELL LOG

From Feet	To Feet	Type of Material	Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
Surface	1	Top soil		
1	3	Hard pan		
3	45	clay + gravel		
45	90	Sand + gravel		
90	93	Sandy Clay		
93	100	Dirty fine sand		
100	128	Sand + gravel		
128	135	Sandy clay		
135	154	Hard yellow clay		
154	160	Sandy clay		
160	195	Hard yellow clay		
195	224	Dirty fine sand	yes	
224	226	Hard clay		
226	276	Fine + coarse sand		
276	295	Hard blue clay		
295	302	Sand, clay shale		
302	348	Hard blue clay		
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed Dana Well Drilling

By Walter Davis

License No. 100

Dated Nov. 17, 1962

APR 27 1977

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 Lyons Farms
Route #4
Address Caldwell, Idaho 83605
Owner's Permit No. 63-8444 W R

7. WATER LEVEL

Static water level 95 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

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M. Draw Down Hours Pumped

3. PROPOSED USE

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

9. LITHOLOGIC LOG

038197

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
	0	6	top soil		
	6	10	caliche		
	10	20	soil		
	20	88	sand & pea gravel/cinders		
	88	98	cemented gravel		
	98	108	cemented gravel & larger rock		
	108	179	clay		
	179	238	fine brown sand		
	238	268	fine brn sand/pea gravel		
	268	278	fine brn sand/gray clay		
	278	358	blue clay		

4. METHOD DRILLED

Reverse

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 28 inches Total depth 358 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
16 inches	250 inches	2 feet	188 feet
16 inches	250 inches	268 feet	288 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☐ Yes ☐ NoPerforated? ☐ Yes ☐ NoHow 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 ☐ NoManufacturer's name Roscoe Moss

Type _____ Model No. _____

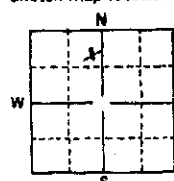
Diameter 16 Slot size _____ Set from 188 feet to 268 feet

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

Gravel packed? ☒ Yes ☐ No Size of gravel 3/8Placed from 20 feet to 358 feetSurface seal depth 20 Material used in seal ☐ Cement grout☒ Pudding clay ☐ Well cuttingsSealing procedure used ☐ Shurry pit ☒ Temporary surface coving☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County _____

NW NE
NE 1/4 NW 1/4 Sec. 8 T. 2N N/S, R. 3W E/W

10.

Work started 3/29/77 finished 4/1/77

11. DRILLERS CERTIFICATION

Firm Name PETE COPE DRILLING CO., INC. Firm No. 21310566 K-Bar-T DriveAddress Boise, Idaho 83705 Date 4/6/77

Signed by (Firm Official) _____

and

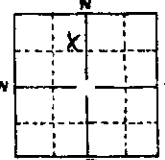
(Operator) _____

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 26 1977

23

1. WELL OWNER Name <u>Lyons Farms (Earl Lyons)</u> Address <u>Route #4 Caldwell, Idaho 83605</u> Owner's Permit No. <u>63-8444 WR</u>		7. WATER LEVEL Department of Water Resources Static water level <u>95</u> 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																																																																																															
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Other Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____																																																																																															
3. PROPOSED USE ☐ Domestic ☒ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG 038196 <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>28"</td><td>1</td><td>10</td><td>top soil</td><td></td><td></td></tr><tr><td></td><td>10</td><td>14</td><td>caliche</td><td></td><td></td></tr><tr><td></td><td>14</td><td>76</td><td>sand and gravel</td><td></td><td></td></tr><tr><td></td><td>76</td><td>148</td><td>clay</td><td></td><td></td></tr><tr><td></td><td>148</td><td>168</td><td>fine sand</td><td></td><td></td></tr><tr><td></td><td>168</td><td>178</td><td>clay</td><td></td><td></td></tr><tr><td></td><td>178</td><td>198</td><td>grey sand</td><td></td><td></td></tr><tr><td></td><td>198</td><td>258</td><td>clay</td><td></td><td></td></tr><tr><td></td><td>258</td><td>268</td><td>brown clay</td><td></td><td></td></tr><tr><td></td><td>268</td><td>308</td><td>blue clay</td><td></td><td></td></tr><tr><td></td><td>308</td><td>350</td><td>blue sand</td><td></td><td></td></tr><tr><td></td><td>350</td><td>355</td><td>blue clay</td><td></td><td></td></tr><tr><td></td><td>355</td><td>368</td><td>clay and sand</td><td></td><td></td></tr><tr><td></td><td>368</td><td>420</td><td>clay</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	28"	1	10	top soil				10	14	caliche				14	76	sand and gravel				76	148	clay				148	168	fine sand				168	178	clay				178	198	grey sand				198	258	clay				258	268	brown clay				268	308	blue clay				308	350	blue sand				350	355	blue clay				355	368	clay and sand				368	420	clay		
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		11. DRILLERS CERTIFICATION Firm Name <u>Pete Cope Drilling Co. INC</u> Firm No. <u>213</u> Address <u>10566 K-Bar-Tbx. Dr.</u> <u>Boise, Idaho</u> Date <u>18/5/77</u> Signed by (Firm Official) <u>Pete Cope</u> and (Operator) <u>Pete Cope</u>																																																																																															

RECEIVED
AUG 28 1961

026241

WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO

Department of Reclamation

Permit No. 2-477-1 Well No. _____ County Canyon
Owner Lorenzo Peterson
Address Route 4, Caldwell, Idaho
Driller Davis Well Drilling
Address 213 Davis Ave, Pampa, Idaho
Well location SW 1/4 SW 1/4 Sec. 31, T. 3 N. R. 3 W.
Size of drilled hole 12 in

Locate well in section

NW 1/4	NE 1/4
SW 1/4	SE 1/4

Total depth of well 320 ft
Give depth to standing water from the ground 40 ft Water temp. _____ °Fahr.
On "Pumping Test" delivery was 1250 g.p.m. or _____ c.f.s. Drawdown was 20 feet.
Size of pump and motor used to make test 150 HP motor
Length of time of test 4 hours 30 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 20.1

Thickness of casing 10 gauge casing material

(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 12 in - 160 ft 11 in 168 ft

(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.
12 in	Surface	100	100	168 ft 11 in liner in factory
11 in	102	320	168 ft	perforated 2" x 1/16"

Number and size of perforations 1" x 1/4" located 45 feet to 75 feet from ground
1/2" x 1/4" 70 80
1" x 1/4" 95 105

Date of commencement of well July 10, 61 Date of completion of well Aug 2

SWSW 5.31 3N3W

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESRECEIVED
USE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

JUL 22 1980

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 <u>Sutton Fruit Farms</u> Address <u>Caldwell, Idaho</u> Owner's Permit No. <u>Page 1</u>		7. WATER LEVEL Static water level <u>110</u> 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 _____																																																																																																																																																																																																																													
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5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ Thickness _____ inches Diameter _____ inches From _____ feet To _____ 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 _____ feet To _____ feet perforations _____ feet perforations _____ feet perforations _____ 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 <u>30'</u> 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 _____		11. DRILLERS CERTIFICATION I/we certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>S.O.S. Well Drilling</u> Firm No. <u>212</u> Address <u>4145 N. Black at</u> Date <u>7/20/79</u> Signed by (Firm Official) <u>Frank Shinn</u> and (Operator) <u>Frank Shinn</u>																																																																																																																																																																																																																													
6. LOCATION OF WELL Sketch map location must agree with written location. Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Canyon</u> <u>NE 1/4 NE 1/4 Sec. 32, T. 3 N., R. 3 E. W. 1/4</u>																																																																																																																																																																																																																															

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 Sexton Fruit Farms
Address Page 2
Owner's Permit No. _____

7. WATER LEVEL

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

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

3. PROPOSED USE

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

9. LITHOLOGIC LOG *continued from previous*

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
6"	403	410	Black sand		
6"	410	415	Blue clay (claystone)		
6"	415	530	Black sand		
6"	530	540	Blue clay		
6"	540	562	Black sand		
6"	562	575	Blue claystone		
6"	575	577	Black sand		

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 _____ feet

Placed from _____ feet to _____ feet

Surface seal depth _____ Material used in seal: ☐ Cement grout

☐ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☐ Overbore to seal depth

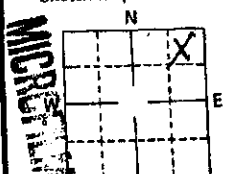
Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent

☐ 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 Canyon

NE 1/4 NE 1/4 Sec. 32, T. 3, N. 1/2 R. 3, W. 1/2

10.

Work started 6/19/79 finished 6/30/79

11. DRILLERS CERTIFICATION

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

Firm Name S.O.S. Well Drilling Firm No. 212

Address 4145 N. Blackfoot Date 7/20/79

Signed by (Firm Official) [Signature]

and
(Operator) [Signature]

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.

JUL 6 1970

1. WELL OWNER

Name Ray Buey
Address Wilder Idaho Rt 2 #
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

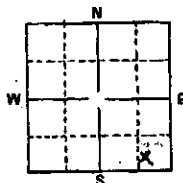
☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 in Total depth 358 ft
Casing schedule: ☒ Steel ☐ Concrete
Thickness Diameter From To
1.250 inches 8 inches 0 feet 358 feet
2.50 inches 8 inches 164 feet 391 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas 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 _____ feetWell 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 _____ feetGravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface 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.



001619

County

CanyonSE. 1/4 SE 1/4 Sec. 36 T. 3 N. R. 4 W

7. WATER LEVEL

Department of Water Administration

Static water level 200 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality 13 grains per gallon
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
<u>15</u>	<u>20 ft</u>	<u>2 hrs</u>

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>8</u>	<u>0</u>	<u>1</u>	<u>sandy soil</u>		☒
	<u>1</u>	<u>11</u>	<u>gravel</u>		☒
	<u>11</u>	<u>22</u>	<u>sand</u>		☒
	<u>22</u>	<u>39</u>	<u>white clay</u>		☒
	<u>39</u>	<u>48</u>	<u>brown clay</u>		☒
	<u>48</u>	<u>70</u>	<u>light yellow clay</u>		☒
	<u>70</u>	<u>93</u>	<u>sand</u>		☒
	<u>93</u>	<u>98</u>	<u>"</u>		☒
	<u>98</u>	<u>106</u>	<u>brown clay sandy</u>		☒
	<u>106</u>	<u>120</u>	<u>sand</u>		☒
	<u>120</u>	<u>127</u>	<u>yellow clay</u>		☒
	<u>127</u>	<u>139</u>	<u>fine brown sand</u>		☒
	<u>139</u>	<u>147</u>	<u>yellow clay</u>		☒
	<u>147</u>	<u>153</u>	<u>sand gray silt</u>	☒	
	<u>153</u>	<u>157</u>	<u>yellow clay</u>		☒
	<u>157</u>	<u>160</u>	<u>fine sand</u>	☒	
	<u>160</u>	<u>168</u>	<u>yellow clay</u>	☒	
	<u>168</u>	<u>174</u>	<u>blue clay</u>	☒	
	<u>174</u>	<u>180</u>	<u>brown silt</u>	☒	
	<u>180</u>	<u>185</u>	<u>blue clay</u>	☒	
	<u>185</u>	<u>190</u>	<u>silt</u>	☒	
	<u>190</u>	<u>193</u>	<u>clay layers</u>	☒	
	<u>193</u>	<u>204</u>	<u>silt & sand (22 grains)</u>	☒	
	<u>204</u>	<u>208</u>	<u>blue clay</u>	☒	
	<u>208</u>	<u>213</u>	<u>silt & sand (32 grains)</u>	☒	
	<u>213</u>	<u>216</u>	<u>blue clay</u>	☒	
	<u>216</u>	<u>240</u>	<u>black sand</u>	☒	
	<u>240</u>	<u>257</u>	<u>sandy blue clay</u>	☒	
	<u>257</u>	<u>268</u>	<u>hard sand & clay layers</u>	☒	
	<u>268</u>	<u>274</u>	<u>blue clay</u>	☒	
	<u>274</u>	<u>285</u>	<u>sand & clay layers</u>	☒	
	<u>285</u>	<u>295</u>	<u>gray clay silt</u>	☒	
	<u>295</u>	<u>325</u>	<u>sandy blue clay</u>	☒	
	<u>325</u>	<u>370</u>	<u>fine blue sand</u>	☒	
	<u>370</u>	<u>385</u>	<u>sand blue clay</u>	☒	
	<u>385</u>	<u>393</u>	<u>blue clay</u>	☒	
	<u>393</u>	<u>400</u>	<u>sand & pea gravel</u>	☒	

10.

Work started June 18-69 finished July 22-69

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 Jesse Doty well drilling 40#
Address Rt 3 Caldwell
Signed By Jesse J. Doty Date Aug 20-69

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

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUse Typewriter
or
Ball Point Pen

63661

1. DRILLING PERMIT NO. 63-95-W-0539-000
Other IDWR No. well modified see 63-95-W-0870-400

2. OWNER:

Name CHARLES MARSH (TENSEN)
Address 15250 CHICKEN DINNER RD
City CALDWELL State ID Zip 83605

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N W S		Typ. <u>2</u>	North ☒ or South ☐
		Range <u>4</u>	East ☐ or West ☒
		Sec. <u>12</u>	SE 1/4 NE 1/4
		Gov't Lot _____	County <u>CALTON</u>

Address of Well Site LEWIS LANE
City CALDWELL

(Give at least name of road - Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>BENTONITE</u>	<u>0</u>	<u>20</u>	<u>500#</u>	<u>PLUGS</u>	

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
<u>6"</u>	<u>+2</u>	<u>238</u>	<u>.25</u>	<u>STEEL</u>	☒	☐	☐	☐
<u>8"</u>	<u>0</u>	<u>40</u>	<u>.25</u>	<u>"</u>	☒	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe 2 Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☐ Screens Screen Type NONE

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

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

193 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>75-100</u>			<u>1/2 hr</u>

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: IRON-1 / PH 8 / 62 20

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>1</u>	<u>5</u>	<u>SAUDY SOIL</u>		
<u>10</u>	<u>5</u>	<u>20</u>	<u>SAUDY CLAY</u>		
<u>8</u>	<u>20</u>	<u>40</u>	<u>SAUDY CLAY</u>		
<u>8</u>	<u>40</u>	<u>45</u>	<u>"</u>		
<u>1</u>	<u>45</u>	<u>60</u>	<u>CLAY</u>		
<u>1</u>	<u>60</u>	<u>114</u>	<u>HARD TAN CLAY</u>		
<u>114</u>	<u>119</u>	<u>CLAY ROCK + CLAY PCS</u>			
<u>119</u>	<u>150</u>	<u>CLAY</u>			
<u>150</u>	<u>162</u>	<u>VERY HARD CLAY (SANDSTONE)</u>			
<u>162</u>	<u>175</u>	<u>REGULAR CLAY</u>			
<u>175</u>	<u>185</u>	<u>HARD CLAY + SANDSTONE</u>			
<u>185</u>	<u>195</u>	<u>REG. CLAY</u>			
<u>195</u>	<u>203</u>	<u>VERY HARD CLAY STONE + SANDSTONE</u>			
<u>203</u>	<u>300</u>	<u>REG. CLAY</u>			
<u>300</u>	<u>400</u>	<u>BLUE CLAY 1/2 BLUE + BROWN CLAY</u>			
<u>400</u>	<u>500</u>	<u>"</u>			
<u>500</u>	<u>580</u>	<u>CLAY PCS (TAN + BLUE)</u>			
<u>580</u>	<u>590</u>	<u>SOFTER SPOT</u>			
<u>590</u>	<u>590</u>	<u>CLAY PCS REG.</u>			
<u>590</u>	<u>600</u>	<u>SOFTER SPOTS</u>			
<u>600</u>	<u>630</u>	<u>CLAY</u>			
<u>630</u>	<u>640</u>	<u>SOFTER</u>			
<u>640</u>	<u>720</u>	<u>REG. CLAY</u>			

RECEIVED

RECEIVED

AUG 01 1995

NOV 24 1995

WATER RESOURCES
WESTERN REGIONCompleted Depth 720 (Measurable)
Date: Started 7-17-95 Completed 7-20-95

13. DRILLER'S CERTIFICATION

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

Firm Name ADAMSON Pump & Drilling Firm No. 0457Firm Official DAVE ADAMSON Date 7-27-95and Supervisor or Operator DAVE ADAMSON Date 7-27-95

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

WELL DRILLER'S REPORT

AUG 6 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.

Department of Water Resources

~~Western Regional Office~~

[illegible]

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

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.

[illegible]

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

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 <u>Larry Doser</u> <u>Rt 4 Bx 121</u> Address <u>Caldwell, ID 83605</u> Owner's Permit No. <u>63-88-2-174100</u>	7. WATER LEVEL Static water level <u>155</u> feet below land surface. Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ of. Quality <u>7 grns</u> Describe artesian or temperature zones below.																																																				
2. NATURE OF WORK ☐ New well ☒ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>15</u></td> <td style="text-align: center;"><u>165</u></td> <td style="text-align: center;"><u>2</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>15</u>	<u>165</u>	<u>2</u>																																														
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	<u>227</u>		<u>white sand</u>	/	/																																																
4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____	RECEIVED JUN 20 1989 Department of Water Resources																																																				
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><u>250</u> inches</td> <td style="text-align: center;"><u>6</u> inches</td> <td style="text-align: center;"><u>140</u> feet</td> <td style="text-align: center;"><u>223</u> feet</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> 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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> 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 <u>18</u> 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 _____	Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>140</u> feet	<u>223</u> feet													Number	From	To										RECEIVED JUN 19 1990																				
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6. LOCATION OF WELL Sketch map location must agree with written location. N <table border="1" style="width: 100px; height: 100px; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> W E S Subdivision Name <u>Knights Hills</u> Lot No. <u>8</u> Block No. <u>4</u> County <u>Canyon</u> NE 1/4 NW 1/4 Sec. <u>6</u> T. <u>2</u> N. R. <u>3</u> W.										10. Work started <u>8-24-88</u> finished <u>8-29-88</u> 11. DRILLERS CERTIFICATION <u>OK</u> I/we certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Kenne Metzger</u> Firm No. <u>93</u> <u>Rt 2 Bx 2</u> Address <u>Homedale, ID</u> Date <u>8-29-88</u> Signed by (Firm Official) <u>Kenneth M. Metzger</u> and (Operator) _____																																											

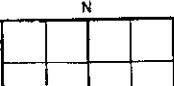
USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

1. DRILLING PERMIT NO. 63-96-W-0602-000
Other IDWR No. _____

2. OWNER:
Name Jerry Cereda
Address 11481 Eva Lane
City Caldwell State IN Zip 83604

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.



Twp. 2 North ☒ or South ☐
 Rge. 3 East ☐ or West ☒
 Sec. 6 $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$
10 acres 40 acres 160 acres
 Gov't Lot _____ County Canyon
 Address of Well Site 11401 Sun Lane
 City Odessa

 (Give at least name of road + Distance to Road or Landmark)

Lt. _____ Bk. _____ Sub. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Secks or Pounds	
benlate	0	20	500	dry 3" gauge

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 159
Was drive shoe seal tested? ☒ Y ☐ N How? boiler test

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Linear	Welded	Threaded
6 + 1		159	20	steel	A	☐	A	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

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:

84 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 174 ft. Describe access port or
control devices: well cap

11. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20	121	160	3 1/2

Water Temp. 67 Bottom hole temp. _____
Water Quality test or comments: 16 g rate Hardness

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
8	0	20	brown blow sand		X
6	20	29	brown blow sand		X
	29	72	brown clay		X
	72	89	brown sand		X
	89	95	brown clay		X
	95	98	brown sand		X
	98	131	sandy brown clay		X
	131	174	brown clay		X
	174	183	sandy brown clay sand		X
	183	190	blue sandy clay		X
RECEIVED SEP 10 1996 Department of Water Resources					
RECEIVED SEP 09 1996 WATER RESOURCES WESTERN REGION					
MICROFILMED NOV 27 1995					
Completed Depth <u>190</u> (Measurable) Date: Started <u>8-22-96</u> Completed <u>9-6-96</u>					

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 Dusse We / R. N. Inc. Firm No. 379

Firm Official [Signature] Date 9-9-76

and

Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO 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.

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35

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

157 42 256

Department of Water Resources

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

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 ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

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 HANCK BROS.
Address CARMEL IDAHO
Owner's Permit No. _____

7. WATER LEVEL

Static water level 140 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality GOOD - 11 G.P.M.S.
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>10</u>	<u>10</u>	<u>2</u>

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 220 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>1250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>210</u> feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

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

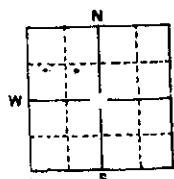
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 18 Material used in seal ☐ Cement grout☐ Pudding clay ☒ Well cuttingsSealing procedure used ☐ Slurry pit ☐ Temporary surface casing☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 63Subdivision Name KUCHTENLot No. 10 Block No. 4County CANYONS.E. 1/4 NW 1/4 Sec. 6, T. 2 N., R. 3 W.

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>6</u>	<u>0</u>	<u>12</u>	<u>BROWN CLAY</u>		
	<u>12</u>	<u>25</u>	<u>HARD PAN</u>		
	<u>25</u>	<u>45</u>	<u>GRAVEL</u>		
	<u>45</u>	<u>150</u>	<u>BROWN CLAY</u>		
	<u>150</u>	<u>160</u>	<u>BROWN SAND</u>		
	<u>160</u>	<u>165</u>	<u>BROWN CLAY</u>		
	<u>165</u>	<u>200</u>	<u>BROWN SAND</u>		
	<u>200</u>	<u>220</u>	<u>BROWN CLAY</u>		
	<u>220</u>		<u>BROWN SAND</u>		

10.

Work started JUNE-30-77 finished JULY-6-77

11. DRILLER'S CERTIFICATION

Firm Name Hanne HETZER WELL DRILLERS Firm No. 93Address RT-1 Date 7-23-77Signed by (Firm Official) [Signature]
and
(Operator) _____

RECEIVED
SEP 2 1977

SEP 2 1977

39

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.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

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 VANCK BROS. BUILDING
Address CALDWELL IDAHO
Owner's Permit No. _____

7. WATER LEVEL

Static water level 160 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality GOOD - 86 PPM
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>10</u>	<u>20</u>	<u>2</u>

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 230 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>214</u> feet

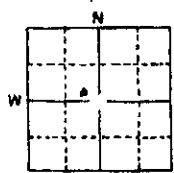
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To

Well screen installed? ☐ Yes ☒ NoManufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feetGravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface seal depth 18 Material used in seal ☐ Cement grout
☒ Pudding clay ☐ Well cuttings
Sealing procedure used ☐ Shurry pit ☐ Temporary surface casing
☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



N. side of St.

Subdivision Name Knightsen

Lot No. _____ Block No. _____

County CANYONSE 1/4 NW 1/4 Sec. 6, T. 2 N. R. 3 E. W.

10.

Work started APR-24-78 finished MAY-1-78

11. DRILLERS CERTIFICATION

Firm Name KETLER WELL DRILLING Firm No. 93Address 1015 S. 10th St. IDAHO Date 5-2-78Signed by (Firm Official) Kenneth M. Jones
and
(Operator) _____

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

811620

90

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

1. DRILLING PERMIT NO. _____ -D-0030-972

Other IDWR No. _____

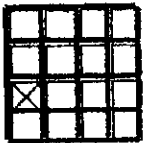
2. OWNER:

Name Bob & Deb DavenportAddress 9724 Chicken Dinner Rd.City Caldwell State ID _____ Zip 83607

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location

N

W		E	Twp. <u>2</u> North ☒ or South ☐
			Rge. <u>4</u> East ☐ or West ☒
			Sec. <u>12</u> 1/4 NW 1/4 SW 1/4
			10 acres 40 acres 160 acres

S

Gov't lot _____ County Canyon

Lat: _____ Long: _____

Address of Well Site SameCity Caldwell

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
Bentonite	3'	19'	550#s	Overbore
Cuttings	0	3'		Overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 98'Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing Liner	Welded	Threaded
6"	+2'	98'	250	Steel	☒	☐	☒
					☐	☐	☐
					☐	☐	☐

Length of Headpipe 60' Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method set in☒ Screens Screen Type pvc

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
141'	161'	.016		4.5"	PVC	☐	☐
201'	241'	.016		4.5"	PVC	☐	☐
161'	201'	None		4.5"	PVC	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN

PRESSURE:

22 ft. below ground Artesian Pressure _____ lb

Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
30	40'	100'	2 Hrs.

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encountered 29'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water				Remarks: Lithology, Water Quality & Temp.		Y	N
Bore Dia	From	To					
10"	0	1'		Brown Topsoil			
10"	1'	14'		Grey Sand & Gravel			
10"	14'	17'		Grey Sand			
10"	17'	19'		Grey Sand & Gravel			
6"	19'	29'		Grey Sand & Gravel			
6"	29'	36'		Grey Sand & Gravel			
6"	36'	40'		Blue Clay			
6"	40'	55'		Brown Clay			
6"	55'	60'		Grey Clay			
6"	60'	62'		Cracks			
6"	62'	130'		Grey Clay			
6"	130'	180'		Grey Clay W/Cracks			
6"	180'	199'		Grey Clay			
6"	199'	201'		Cracks			
6"	201'	218'		Grey Clay			
6"	218'	221'		Cracks			
6"	221'	235'		Grey Clay			
6"	235'	240'		Cracks			
6"	240'	244'		Grey Clay			

RECEIVED

MAR 31 2004

WATER RESOURCES
WESTERN REGIONCompleted Depth: 243 (Measurable)Date: Started 03/17/04 Completed 03/18/04

13. DRILLER'S CERTIFICATION

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

Firm Name Down Right Drilling & PumFirm No. 637Firm Official [Signature]Date 3-22-04

Supervisor or Operator _____

Date _____

(Sign once if Firm Official & Operator)

Date: 3/19/2004 Time: 9:18 AM

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.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Resources

WELL DRILLER'S REPORT

Across rd from
Mitchell - SW

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 LANEK BROS. BUILDING
Address SALWELL 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 210 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>196</u> 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

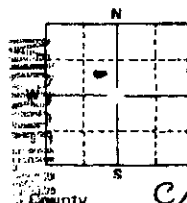
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

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 ☐ Sherry 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 CANYON
SE 1/4 NW 1/4 Sec. 6 T. 2 N. R. 3 E. W.

7. WATER LEVEL

Static water level 130 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality GOOD - 126 RNS
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other
Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____
10 25 2

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes/No
	From	To		
<u>6</u>	<u>0</u>	<u>2</u>	<u>TOPSOIL</u>	<u>1</u>
	<u>2</u>	<u>24</u>	<u>GRAVEL</u>	<u>1</u>
	<u>24</u>	<u>100</u>	<u>SANDY BRN CLAY</u>	<u>1</u>
	<u>100</u>	<u>193</u>	<u>BROWN SAND</u>	<u>1</u>
	<u>193</u>	<u>210</u>	<u>BROWN CLAY</u>	<u>1</u>
	<u>210</u>		<u>BROWN SAND</u>	<u>1</u>

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FEB 7 1978

Department of Water Resources
Western Regional Office

10.

Work started 10-18-77 finished 10-27-77

11. DRILLERS CERTIFICATION

Firm Name KENN C
RT-1
Address HOMERIDGE IDA. Date 11-1-77
Signed by (Firm Official) Kenneth M. [Signature]
and
(Operator) _____

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

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.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

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. September 2006

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

SEP 2 1977

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
Western Regional Office

1. WELL OWNER KENNE MITCHELL
Name VANER BROS BUILDING
Address CALDWELL IDAHO
Owner's Permit No. _____

7. WATER LEVEL

Static water level 120 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality GOOD - 5 G.P.M.
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>12</u>	<u>10</u>	<u>2</u>

3. PROPOSED USE

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

9. LITHOLOGIC LOG

038195

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>6</u>	<u>0</u>	<u>2</u>	<u>TOPSOIL</u>		
	<u>2</u>	<u>6</u>	<u>HARDPAN</u>		
	<u>6</u>	<u>18</u>	<u>GRAVEL</u>		
	<u>18</u>	<u>110</u>	<u>BROWN CLAY</u>		
	<u>110</u>	<u>120</u>	<u>BROWN SAND</u>		
	<u>120</u>	<u>135</u>	<u>BROWN CLAY</u>		
	<u>135</u>	<u>150</u>	<u>BROWN SAND</u>		
	<u>150</u>	<u>170</u>	<u>BROWN CLAY</u>		
	<u>170</u>	<u>200</u>	<u>BROWN QUICK SAND</u>		
	<u>200</u>	<u>220</u>	<u>BROWN CLAY</u>		
	<u>220</u>		<u>BROWN SAND</u>		

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 220 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>205</u> 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

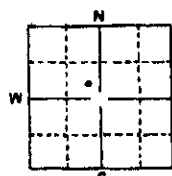
☐ Pudding clay ☒ Well cuttings

Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing

☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location. 63



Subdivision Name _____

Lot No. _____ Block No. _____

County CANYON

SE 1/4 Sec. 6, T. 2 N. R. 3 W.

10.

Work started MAY-5-77 finished MAY-12-77

11. DRILLER'S CERTIFICATION

Firm Name Kenne Mitchell Well Drilling Firm No. 93

Address HOHEDALE IDA Date 5-15-77

Signed by (Firm Official) Kenne Mitchell

and

(Operator) _____

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.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

JUN 4 1976

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 Vaneh Bras
Address R.F.D. # 4 Caldwell Ida
Owner's Permit No. _____

7. WATER LEVEL

Static water level 49'-6" feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality FAIR
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other
Discharge G.P.M. 12 Draw Down 34 Hours Pumped 4

3. PROPOSED USE

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

9. LITHOLOGIC LOG

038212

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	3	Blow Sand		
8	3	5	Sticky yellow Clay		
8	5	15	" "		
8	15	25	" "		
8	25	34	Sticky Yellow Clay		
6	34	46	Dark Brown Sand		
6	46	45	Fine Sand		
6	45	50	Fine Sand		
6	50	60	Layers of clay & Sand		
6	60	70	Brown Sandy Clay		
6	70	80	Sandy Gr. Clay		
6	80	90	Layers of brown clay & sand		
6	90	100	Standard brown clay		
6	100	110	" "		
6	110	120	" "		
6	120	130	Layers of clay & sand		
6	130	142	Silty brown sand (sandy)		
6	142	150	Brown Clay		
6	150	160	Dark sandy clay		
6	160	170	Silty, fine, 5' hole		
6	170	180	Brown clay & silty sand		
6	180	190	Sandy brown clay		
6	190	200	" "		
6	200	209	Brown Silty Clay		
6	209	210	Gray Silty Clay		
6	210	212	Heavy clay		
6	212	220	Heavy Sand (sandstone)		
			Hard bit. down hole		
			Slow drilling		
6	220	225	Sandstone		
			Hard slow drilling		

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 225 feet
Casing schedule: ☒ Steel ☐ Concrete
Thickness 2.50 inches Diameter 6 inches From 1 feet To 213 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

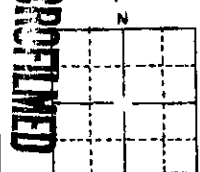
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____ Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

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

Surface seal depth 25 Material used in seal ☐ Cement grout
☐ Pudding clay ☒ Well cuttings
Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing
☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name Eighteen Hole
Lot No. 8 Block No. 1

County Canyon
NE 1/4 SW 1/4 Sec. 6 T. 2 N. 3 R. 3 E/W

10.

Work started 4/23/76 finished 5/13/76

11. DRILLERS CERTIFICATION

Firm Name Jesse Hill Firm No. 216
Address 419 High St Nampa Ida Date 5/16/76
Signed by (Firm Official) Jesse Hill
and _____
(Operator)

JUN 30 1975

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. Department of Water Resources

1. WELL OWNER

Name Stan Vaneck
Address _____
Owner's Permit No. _____

7. WATER LEVEL

Static water level 130 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow 18
Temperature _____ ° F. Quality good
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other
Discharge G.P.M. 18 Draw Down 15 Hours Pumped 6

3. PROPOSED USE

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

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
6"	0	9'	Top Soil		X
6"	9	9 1/2'	Gravel		X
6"	9 1/2	11'	Heavy sand		X
6"	11	14'	Reddish clay		X
6"	14	15'	Heavy sand		X
6"	15	15 1/2'	Blue clay		X
6"	15 1/2	155'	Coarse sand		X
	155		Well completed		

4. METHOD DRILLED

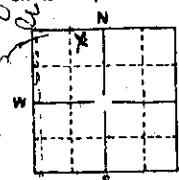
☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 155 feet
Casing schedule: ☐ Steel ☐ Concrete
Thickness 250 inches Diameter 6 1/2 inches From 1 feet To 151 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas 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 _____ feetWell 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 _____ feetGravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface seal depth 20 Material used in seal ☐ Cement grout
☐ Pudding clay ☒ Well cuttings
Sealing procedure used ☐ Sherry pit ☐ Temporary surface casing
☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name Knightshill
Lot No. 8 Block No. 103 acrs.County NENE 1/4 NW 1/4 Sec. 6 T. 2N N/S, R. 3W E/W

10.

Work started June 3/74 finished June 9/74

11. DRILLERS CERTIFICATION

Drill Firm Name David Knier Well Drilling & Pump Service Firm No. 206
Address Medisonville, Idaho Date June 27/74Signed by (Firm Official) David W. Knier
and
(Operator) _____

Attachment C:

Lot numbers for the Knighten Hills Subdivision



Lot numbers for the
Knighten Hills Subdivision

0 250 500
Feet

April 18, 2005



Water Engineering, LLC
water resource consultants
800 E. River Park Lane, Ste. 110, Boise, Idaho 83706
tel: 208.363.4140 fax: 208.363.4156



ID	Parcel Number	Property Owner	Address
1	3R049950040100	Saari, Gail D	17621 Marsing Rd
2	3R049950040110	Mc Daniel, Milon C	17651 Marsing Rd
3	3R049950040120	Caffero, Ronald L	17689 Marsing Rd
4	3R049950040130	Martin, Andrew H	17709 Marsing Rd
5	3R049950010010	De Coux, Larry D	11907 Lawrence Dr
6	3R049950040090	Pike, Blaine L	11826 Lawrence Dr
7	3R049950040080	Hochstetter, Beverly A	11820 Lawrence Dr
8	3R04995002008A	Schumacher, Harry Grant	11843 Lawrence Dr
9	3R049950040070	Dodge, Charles E	2615 S Tagish Way
10	3R049950010020	De Coux, Larry D	11907 Lawrence Dr
11	3R04995002007A	Ward, Marcus K	11789 Lawrence Dr
12	3R04995004006B	Bank Of New York-Trustee	1270 Northland Dr Ste 200
13	3R04995001003A	Gaskins, Thomas F	11771 Eva Ln
14	3R04995004006A	Bishop, Richard E Sr	11728 Lawrence Dr
15	3R04995003001A	Cornforth, Leon M	11767 Doubleview Ln
16	3R04995002006A	Cornforth, Leon M	11767 Doubleview Ln
17	3R049950040050	Tolmie, D Warren	11660 Lawrence Dr
18	3R04995001003B	Kent, Corey	11769 Eva Ln
19	3R04995003001B	Crawford, Gary	11729 Lawrence Dr
20	3R049950030020	Haines, Floyd L	11699 Lawrence Dr
21	3R049950010040	Bowers, Harold D	19528 Lloyd Ln
22	3R049950020050	Chadez, Duane	11724 Eva Ln
23	3R049950040040	Knigge, Robert R	11646 Lawrence Dr
24	3R049950030030	Haines, Floyd L	11699 Lawrence Dr
25	3R049950010050	Smartt, Mike D	11673 Eva Ln
26	3R049950030040	Pilcher, Arkell	11645 Lawrence Dr
27	3R049950040030	Howard, Robert J Iv	11630 Lawrence Dr
28	3R049950020040	Robinett, Richard E	11690 Eva Ln
29	3R0499500300A0	Cereda, Jerry	11481 Eva Ln
30	3R049950030050	Pilcher, Arkell	11645 Lawrence Dr
31	3R049950040020	Adamson, Melvin E	11522 Lawrence Dr
32	3R049950010060	Soule, Terry W	11617 Eva Ln
33	3R049950020030	Minkoff, Jon R	11648 Eva Ln
34	3R049950030060	Michaelson, Scott D	11621 Lawrence Dr
35	3R049950040010	Mitchell, Patricia E	11446 Lawrence Dr
36	3R049950010070	Colosky, George V	11601 Eva Ln
37	3R049950020020	Rickwa, Ted L	11606 Eva Ln
38	3R049950030070	Harrison, Parry	11587 Lawrence Dr
39	3R049950030080	Kronenberg, Jeffrey P	11559 Lawrence Dr
40	3R049950010080	Kirtley, Ronald Dean	11551 Eva Ln
41	3R049950030090	Morrison, Roland V	11433 Lawrence Dr
42	3R049950020010	Schumacher, Michele S	11554 Eva Ln

Attachment D:
Theis Drawdown Calculation

Project: West River Subdivision **Date:** 4/19/2005

Purpose: Estimate drawdown at 1,000 from proposed well

Theis Solution for radial flow to a well in a confined system

$$s = \frac{Q}{4\pi T} W(u) \quad W(u) = \int_u^\infty \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4 T t}$$

Use lookup table for W(u) (e.g., p 93 Aquifer Testing - Istock)

Equation	
K =	50 (ft/day)
b =	75 ft
Q =	10010 cu ft/day
r =	300 feet
S =	0.0005
t =	365 days
T =	3750
u =	8.22E-06
W(u) =	11.6
s =	2.5 feet

Explanation:

- | | |
|--------------------------|------------------|
| ☐ | Input value |
| ☐ | Calculated value |

Project: West River Subdivision **Date:** 4/19/2005

Purpose: Estimate drawdown at 1,000 from proposed well

This Solution for radial flow to a well in a confined system

$$s = \frac{Q}{4\pi T} W(u) \quad W(u) = \int_u^\infty \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4 T t}$$

Use lookup table for W(u) (e.g., p 93 Aquifer Testing - Istock)

Equation	
K =	50 (ft/day)
b =	75 ft
Q =	10010 cu ft/day
r =	2200 feet
S =	0.0005
t =	365 days
T =	3750
u =	0.000442
W(u) =	7.1
s =	1.5 feet

Explanation:

	Input value
	Calculated value

Pre-Hearing Conference Notes

Application for Permit #63-32003

Sherfire Properties—West River Subdivision

From: J. Westra, Western Reg.

Date: 4/5/05

Attendance: See attached roster sheet

The conference opened with the applicant-represented by Reese Leavitt, Engineer discussing the project. The application is for a community well system (2 wells) in a subdivision of 38 lots. The water will be for internal domestic use, yard irrigation is furnished by surface water. The developer proposed the project over 10 years ago, and has County, DEQ and Health District approvals for the system. The final plat will be submitted to SW District Health for finalization. The grounds are currently under construction.

John Minkoff, the protestant has lived in the Knight Hills Subdivision for 13 years next to the proposed development. Mr. Minkoff is concerned about the decline in ground water levels in the local area. He had to deepen his well several years back, log attached, 315 ft depth. He would ask the developer drill into the deep aquifer 500+ (cased out) to avoid interference with other neighboring wells in his subdivision.

The group discussed several options. Mr. Leavitt stated that Mr. Shervik would consider the 500 ft depth condition, but could they get water at that depth? In what aquifer are they and are the Subdivision wells in the deep or Intermediate aquifer? Mr Leavitt and Mr. Minkoff agreed to hire a consultant to determine water depths and non interference levels. Several names were listed Mr. Minkoff will contact Mr. Leavitt today after he consults with several acquaintances. A consultant will provide the information needed.

Follow-up: Check with the parties in 30 days to find out progress of the negotiations
Will schedule a hearing if not resolved.

Attached: Knights Subdivision well depths and owners (9)

- Aquifer Study Received 5/6/05
SPF Eng.

ROSTER OF ATTENDANCE

IDAHO DEPARTMENT OF WATER RESOURCES
2735 AIRPORT WAY, BOISE, IDAHO 83705

Re: Application for Permit No. 63-32003 in the Name of Sherfire Properties

Place: ID Department of Water Resources, Western Region

Date: April 5, 2005

Conducted by: John Westra

NAME

ADDRESS

Jan Minkley 11648 EVA LN. CHADWELL, ID 83607
J. REESE LEAVITT LEAVITT & ASSOC. NAMPA, ID 83651

PROBLEMS WITH WELLS

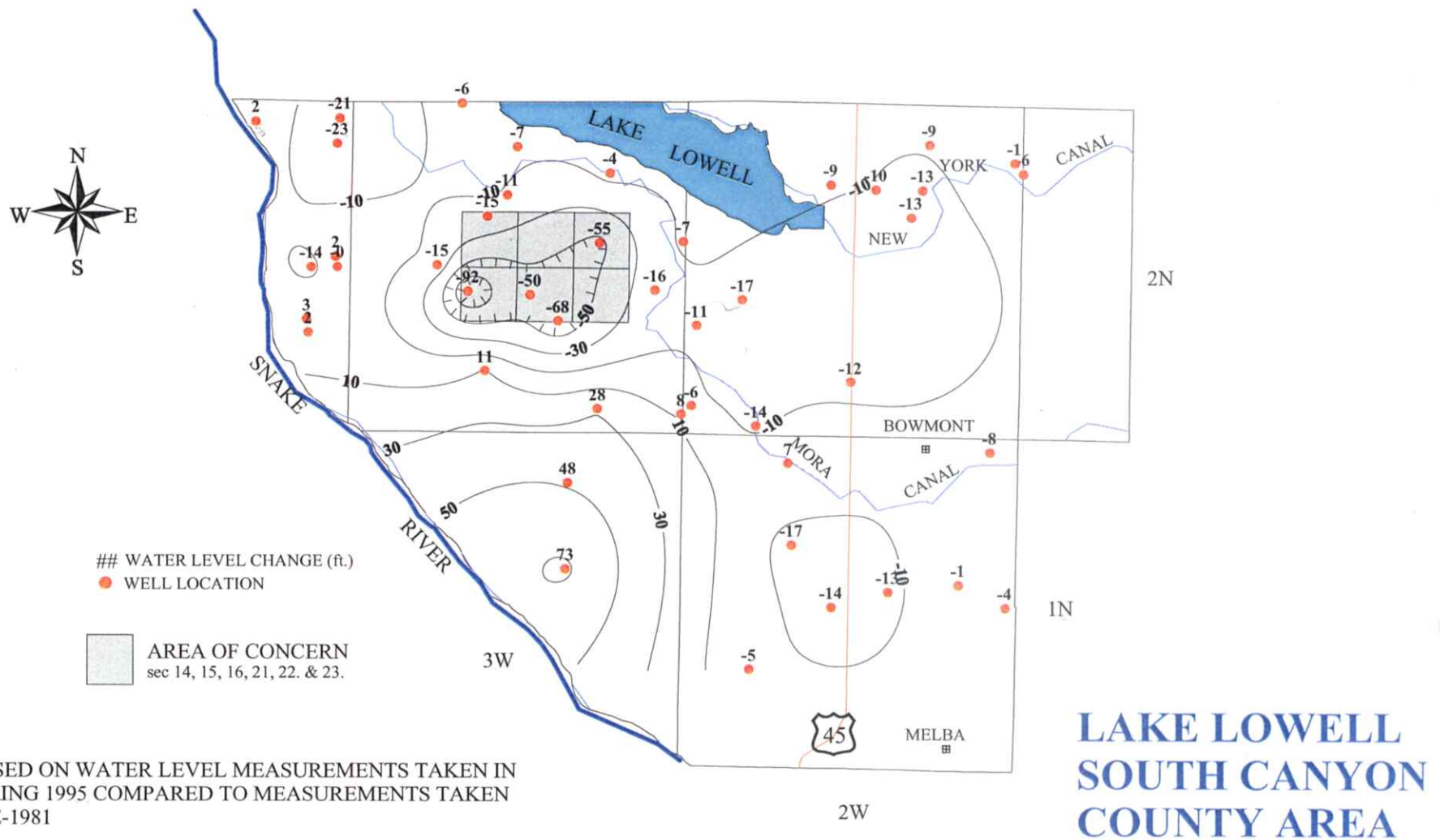
Knigh en Hills Subdivision and Vicinity

NAME	LOCATION	ORIGINAL WELL		REDRILLED WELL	
		DATE	DEPTH	DATE	DEPTH
HARRISON	11587 LAWRENCE DR.				325'
SLOAN	Block 1 Lot 5	1976	111'	1984	126'
SASAKI	Block 1 Lot 6	1976	112'	1983	123'
SCHUMACHER	Block 2 Lot 1	1976	90'	1982	105'
MORRISON	Block 3 Lot 9 11433 LAWRENCE DR.	1977	165'	1992	365'
HOCHSTSTTER	Block 4 Lot 8	1975	161'	1988	227'
MINKOFF	11648 EVA Ln.	1977	230'	1982	315'
COLOSKY	11601 EVA Ln	Abt 1978	235'	1993	285'
CEREDA	11481 Eva Ln	1996	190'		This Well has an Arsenic Problem
BRYANT	Block 3 Lot 8	1977	210'		This Well has an Arsenic Problem

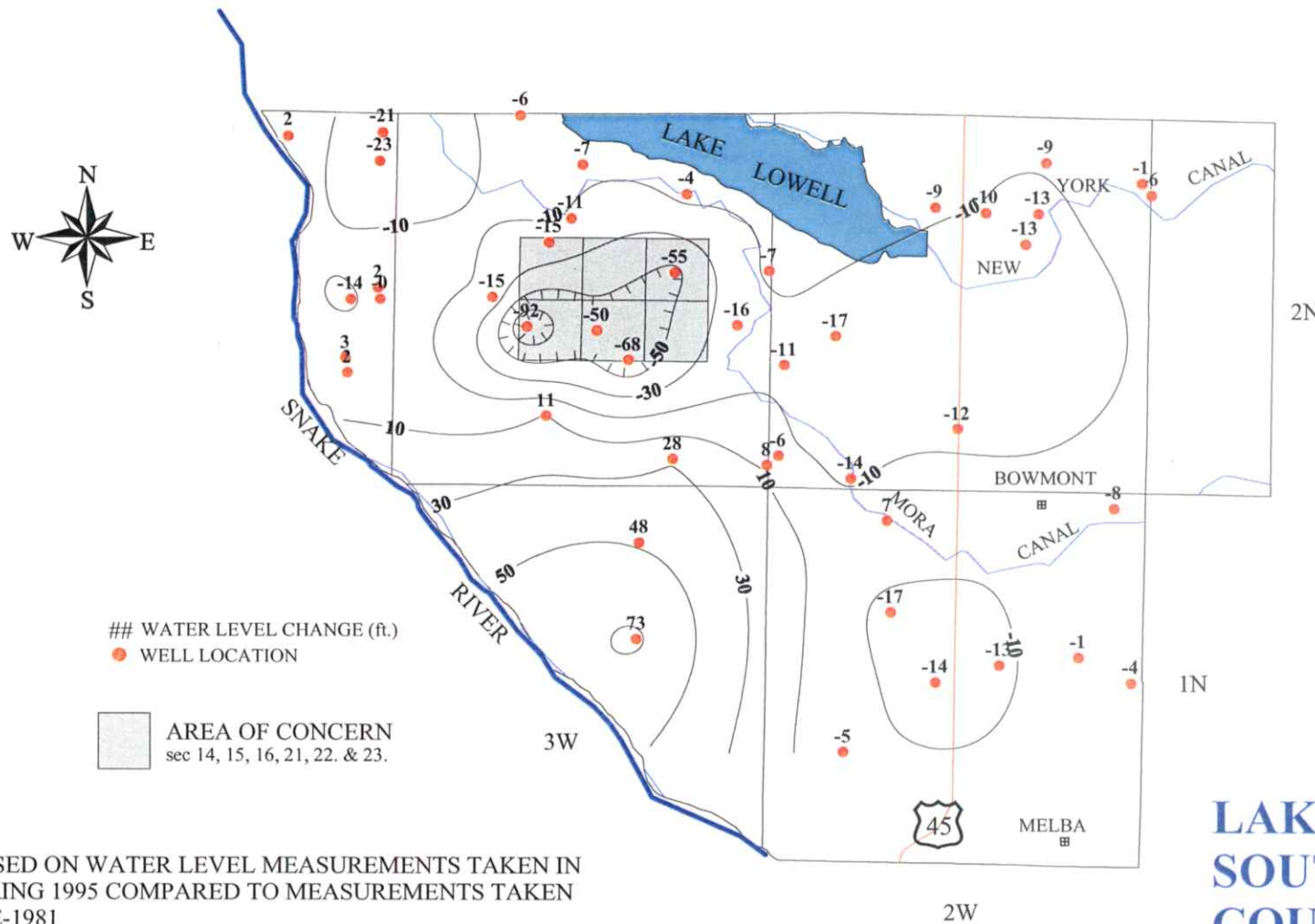
In addition there are 5 other well owners that we know of who have had to lower their pumps because of declining water levels.

opp #2

GROUND WATER LEVEL CHANGE MAP



GROUND WATER LEVEL CHANGE MAP



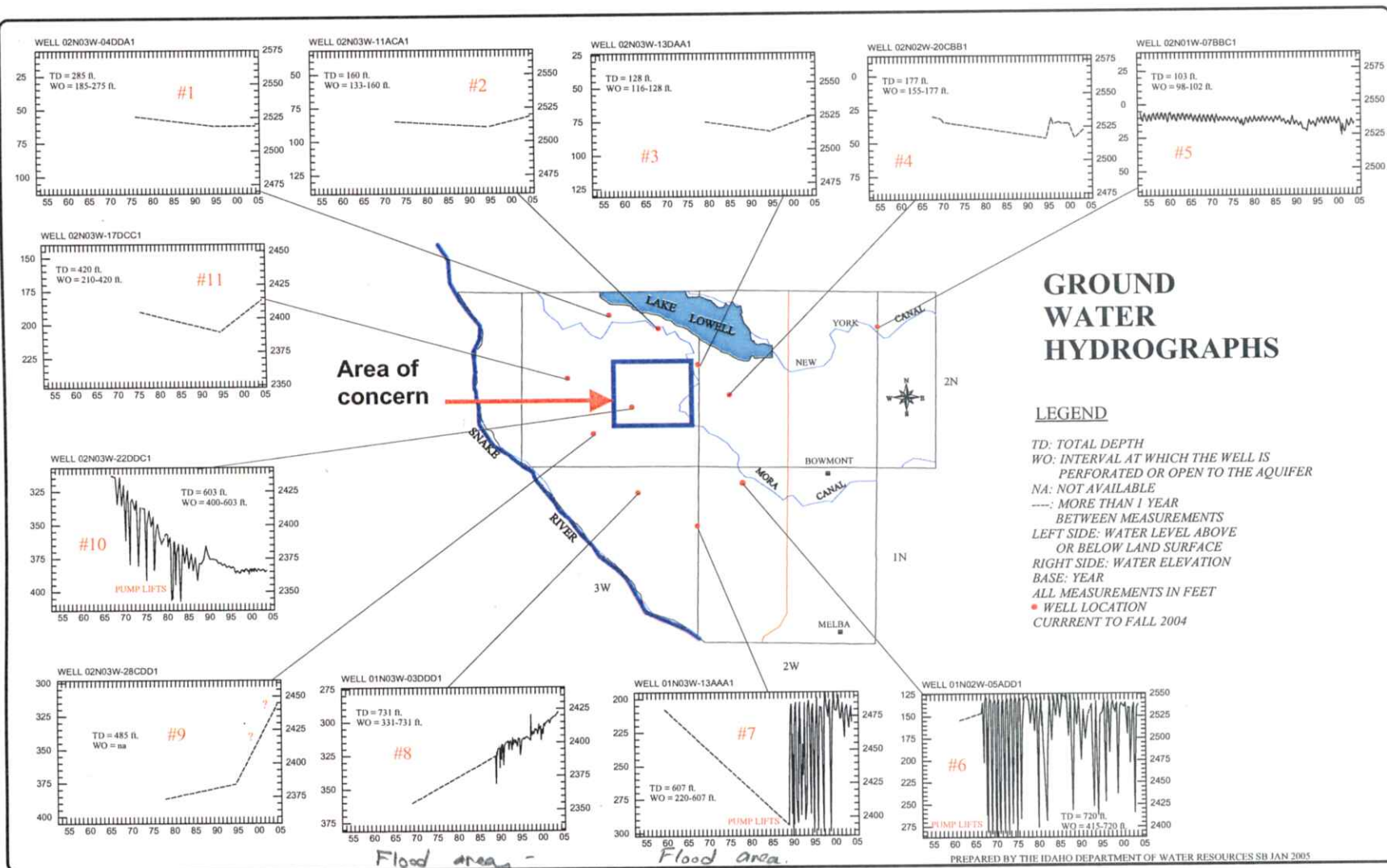


Figure 4.
9

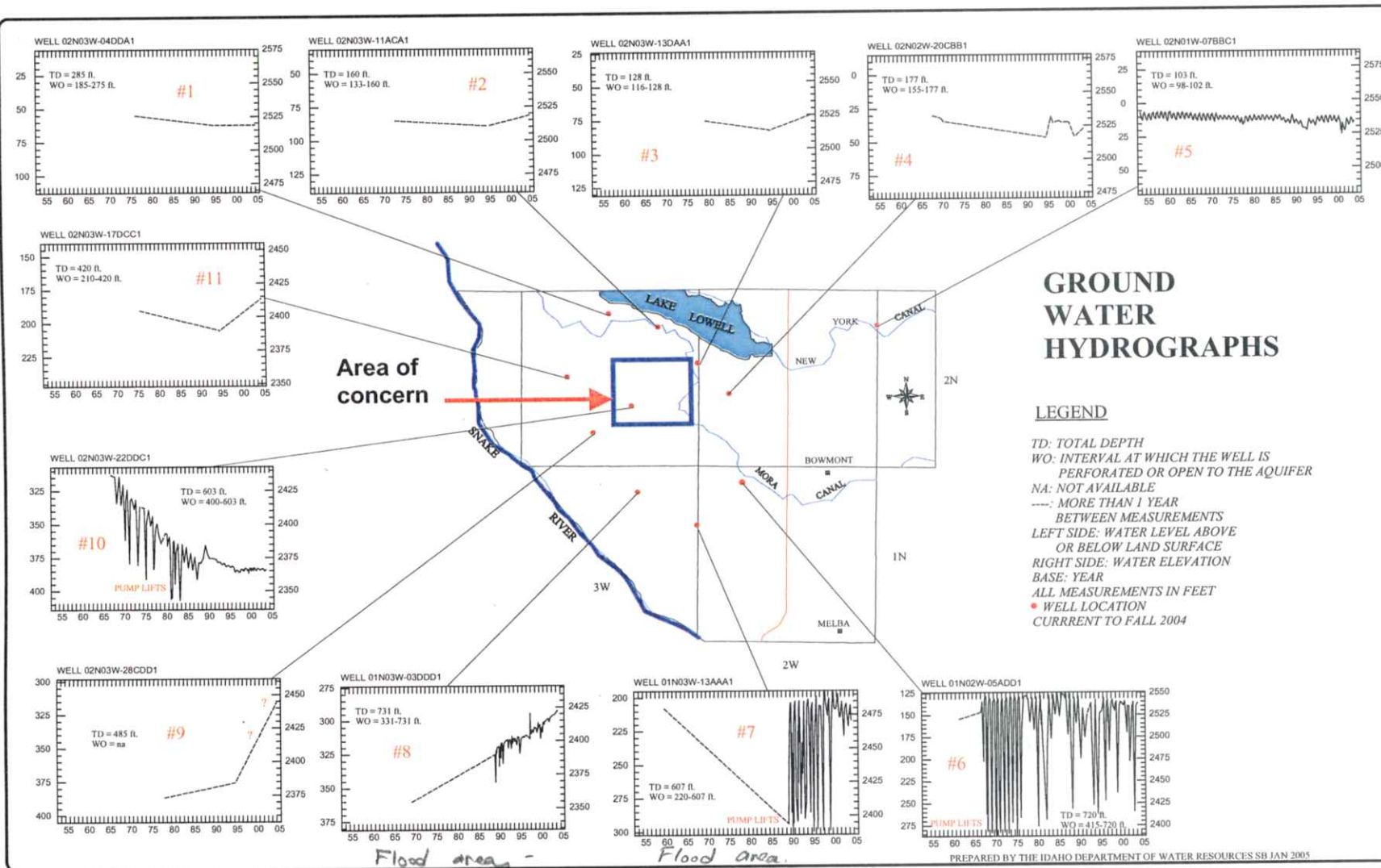
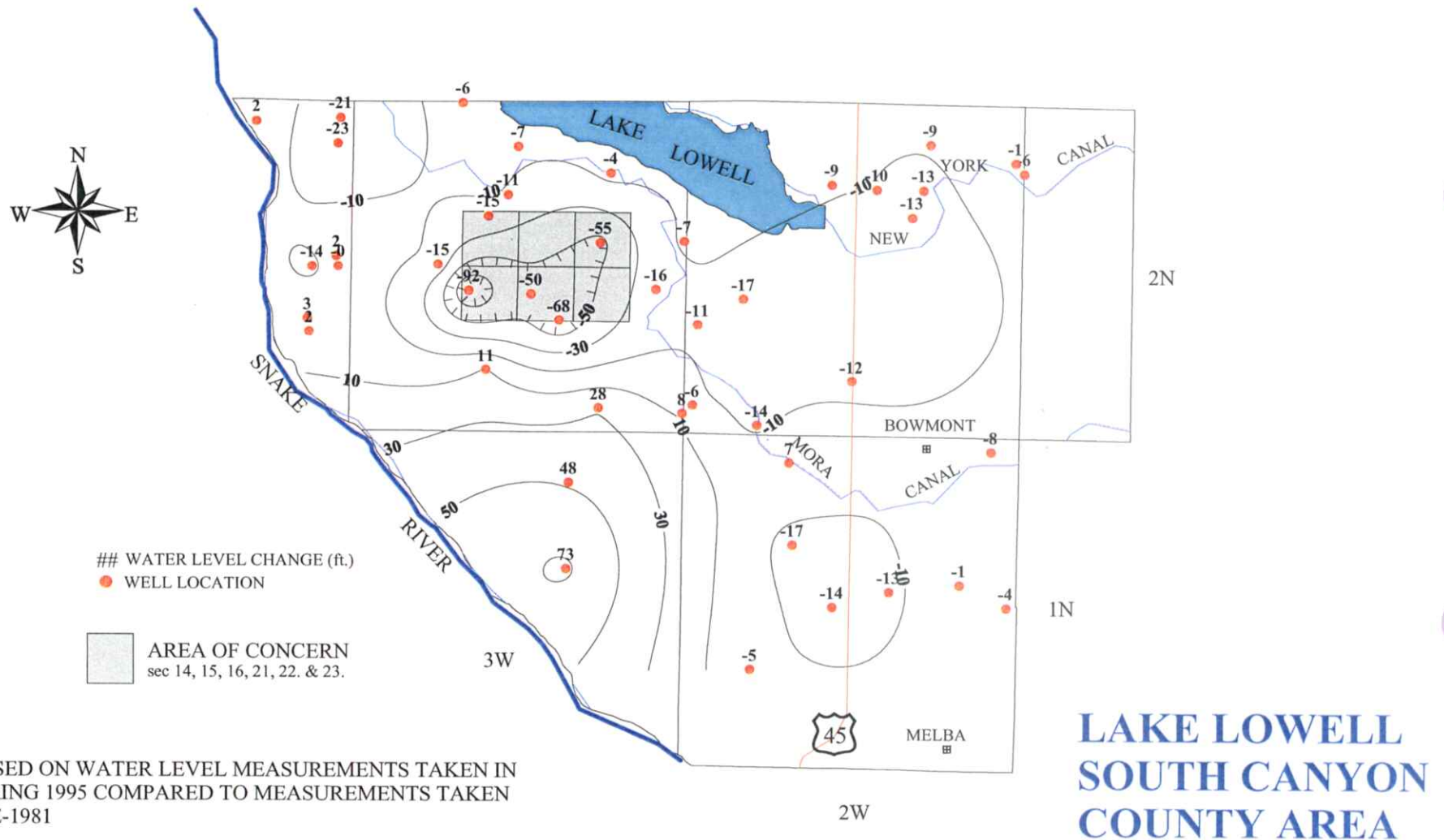
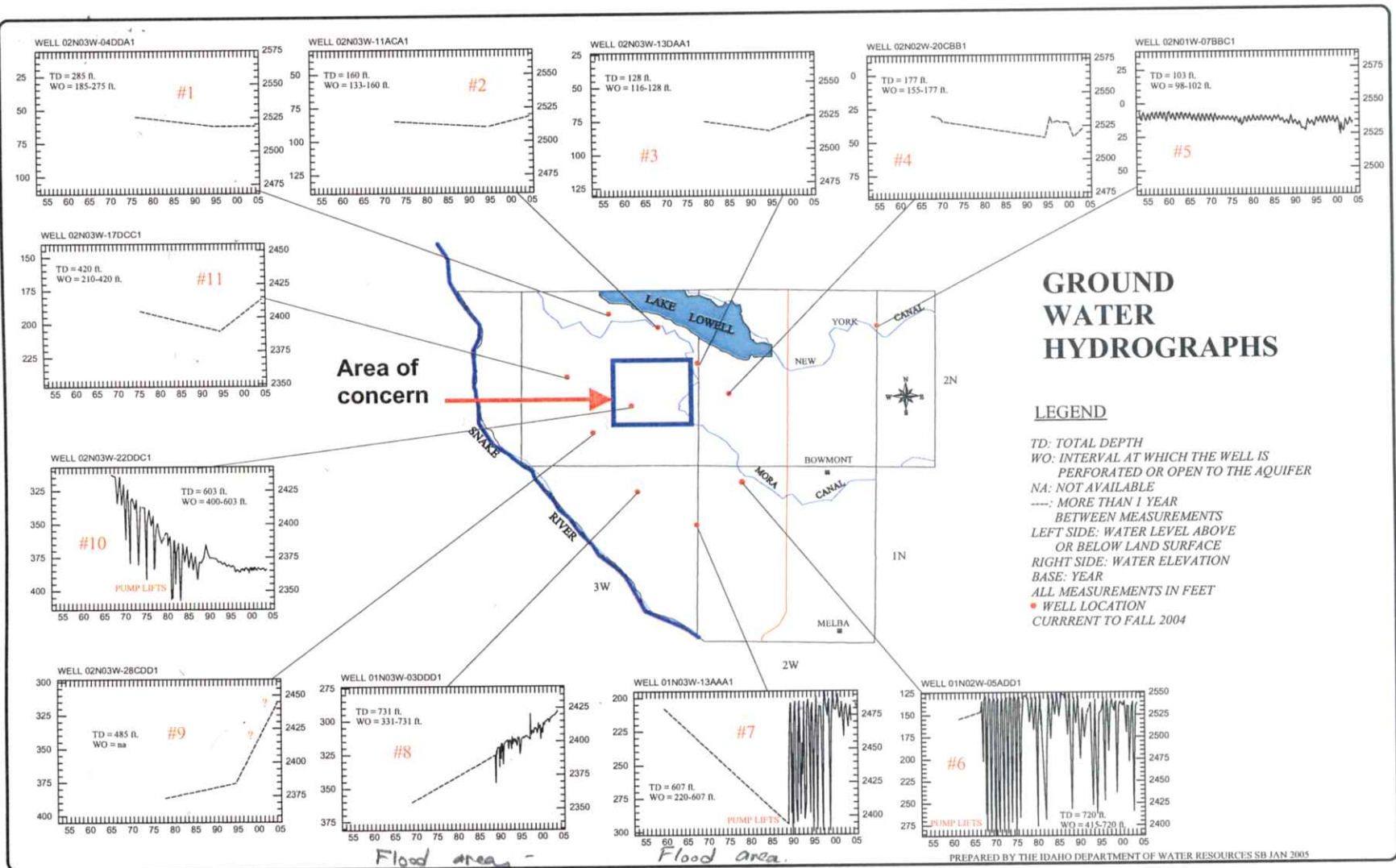


Figure 4.
9

GROUND WATER LEVEL CHANGE MAP





GROUND WATER HYDROGRAPHS

LEGEND

TD: TOTAL DEPTH
 WO: INTERVAL AT WHICH THE WELL IS PERFORATED OR OPEN TO THE AQUIFER
 NA: NOT AVAILABLE
 ---: MORE THAN 1 YEAR BETWEEN MEASUREMENTS
 LEFT SIDE: WATER LEVEL ABOVE OR BELOW LAND SURFACE
 RIGHT SIDE: WATER ELEVATION
 BASE: YEAR
 ALL MEASUREMENTS IN FEET
 • WELL LOCATION
 CURRENT TO FALL 2004

Figure 4.
9

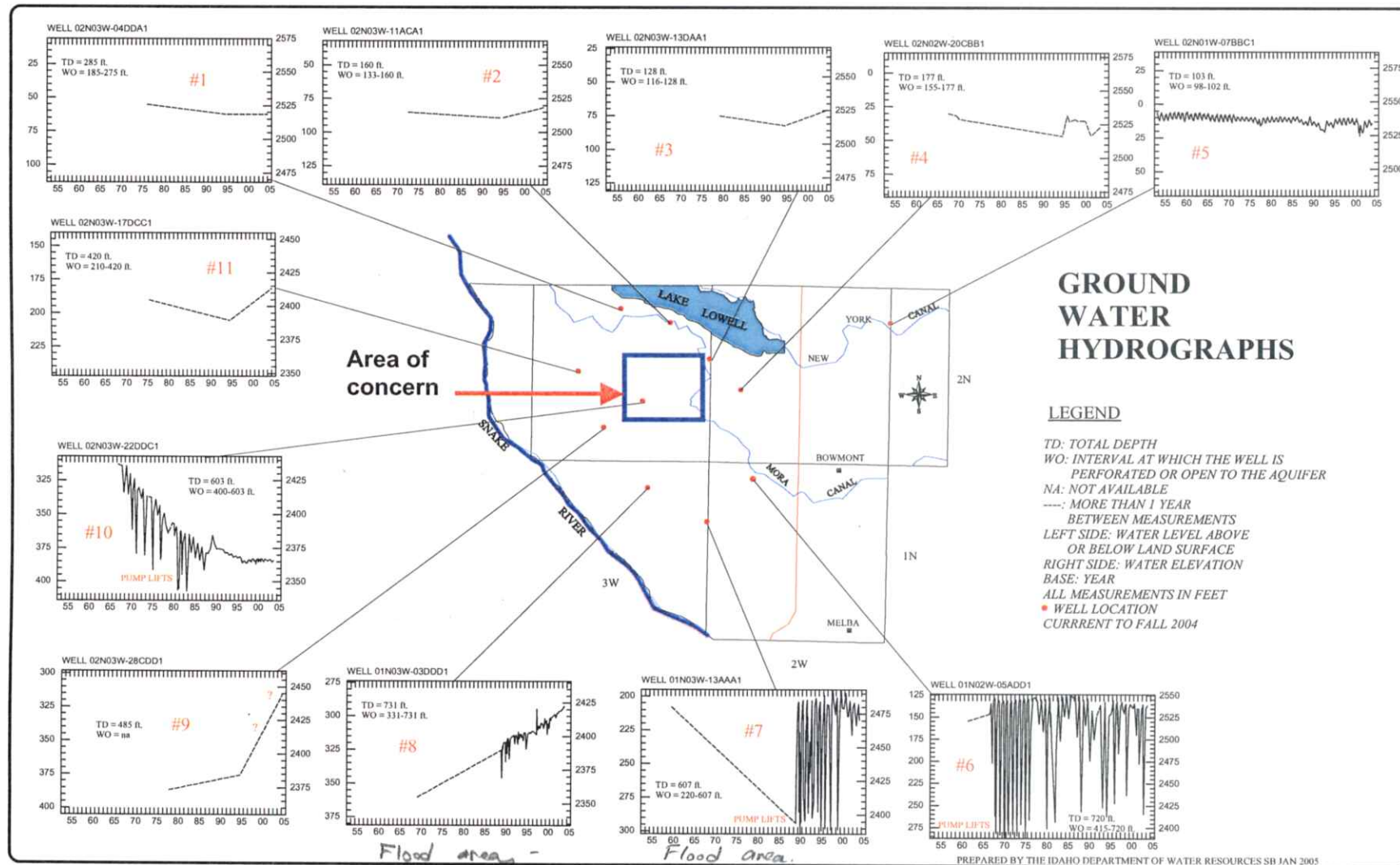


Figure 4.
9

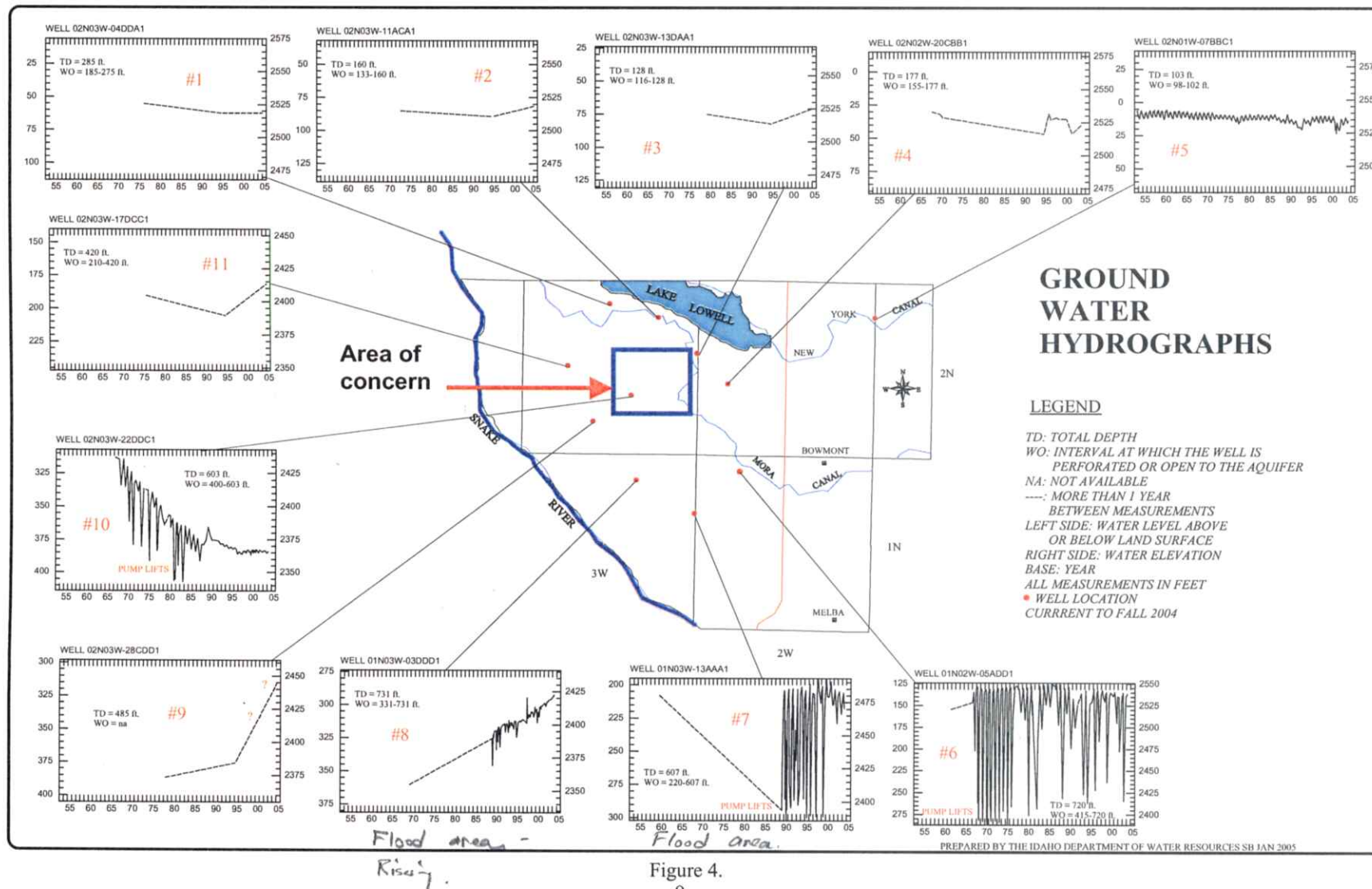
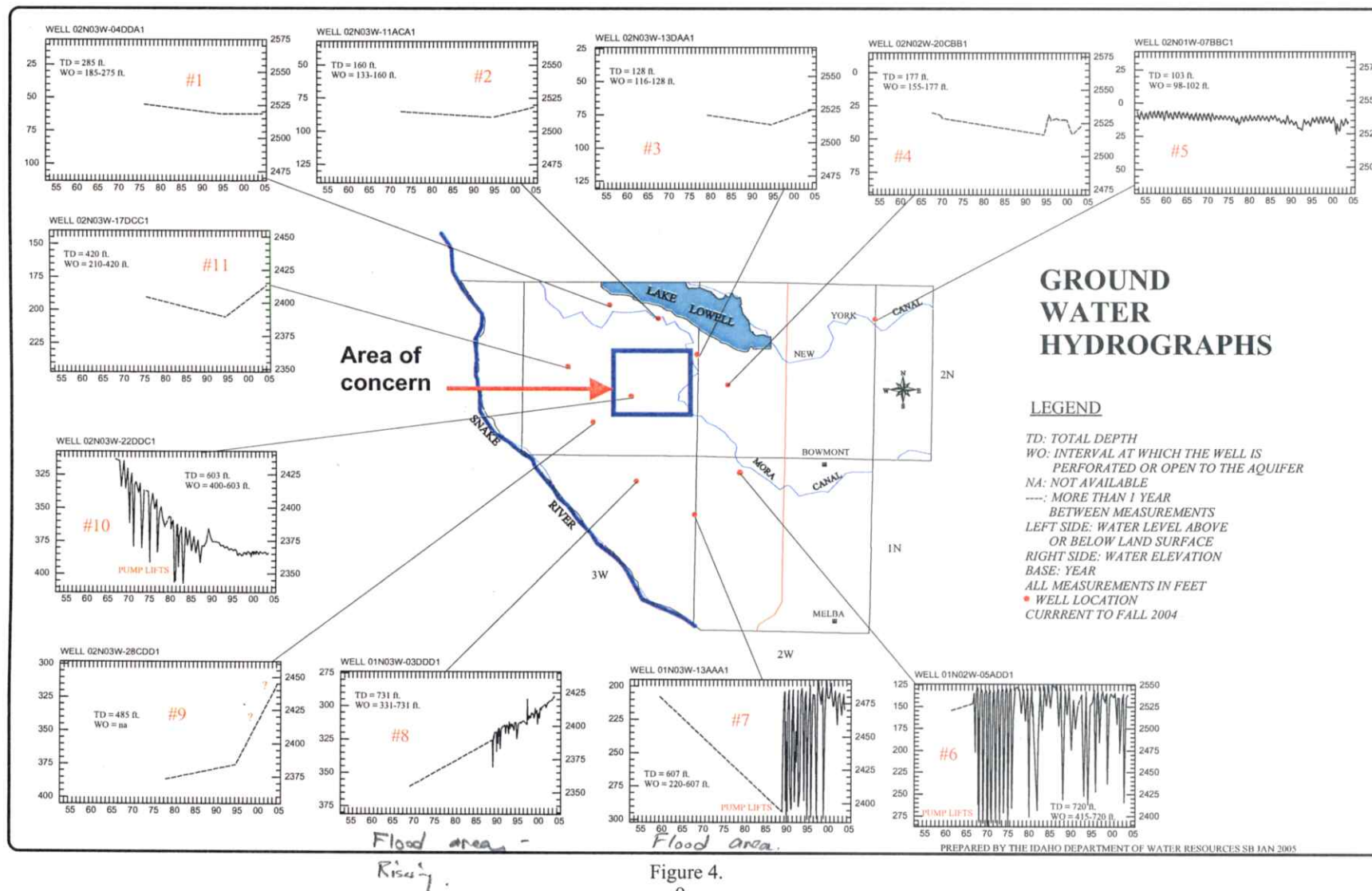


Figure 4.



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

Minkoff Well.

1. WELL OWNER

Name JAMES THOMPSON
Address CALDWELL IDAHO
Owner's Permit No. _____

7. WATER LEVEL

Static water level 152 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ OF. Quality 9.6 GR. S.

2. NATURE OF WORK

☒ New well ☒ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☒ Pump ☐ Bailor ☐ Air ☐ Other _____
Discharge G.P.M. 11 Pumping Level 152 Hours Pumped 1

3. PROPOSED USE

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

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes/No
	From	To		
6	135	165	BROWN CLAY HARD	/
	165	180	SANDY BROWN CLAY	/
	180	225	BROWN CLAY HARD	/
	225	235	BROWN CLAY STICKY	/
	235	315	BLUE CLAY	/
	315		BROWN SAND	/

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness 250 inches Diameter 6 inches From 118 feet To 230 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 _____ Model No. _____
Type _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____ feet
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
☒ Overturn to seal depth
Method of joining casing: ☐ Threaded ☒ Weld ☐ Solvent
Weld _____
☐ Cemented between sections
Describe access port _____

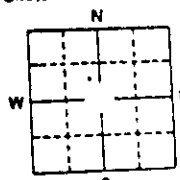
NOV 30 1982

Department of Water Resources

Original Log 1-18-77

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name Red Rock Hills

Lot No. _____ Block No. _____

County CALYAN

Sec. 6 T. 2 N. S. 3 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 NETS & R. R. L. Firm No. 93

Address 1640 E. I.P.P. Date SEPT-29-82

Signed by (Firm Official) R. Minkoff

and
(Operator) _____

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

065436

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat. _____ Long. _____

1. WELL TAG NO. D 0007556
DRILLING PERMIT NO. _____
Other IDWR No. _____

2. OWNER:
Name Ted L. Rockwa
Address 4430 Lake Ave
City Caldwell State ID Zip 83605

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 2 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 6 1/4 SE 1/4 NW 1/4
Gov't Lot _____ County Canyon
Lat. _____ Long. _____

Address of Well Site 11606 E. 1st Ln.
City Caldwell, ID
1 mile south of merged
(Give at least name of road + distance to road + landmark)

Lt. 2 Blk. 2 Sub. Name Knighten Hills
Sub. Caldwell, ID 83605

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

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

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

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>5" bentonite</u>	<u>0</u>	<u>30</u>	<u>700</u>	<u>dry pour</u>	

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
<u>6 7/8</u>	<u>118</u>	<u>250</u>	<u>steel</u>	<u>steel</u>	☒	☐	☒	☐

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:

187 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 228 ft. Describe access port or control devices: well cap

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian	Yield gal./min.	Drawdown	Pumping Level	Time
	<u>20</u>	<u>3'</u>	<u>190</u>	<u>2 hours</u>

Water Temp. 74° Bottom hole temp. _____
Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Wa

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y
<u>8</u>	<u>0</u>	<u>30</u>	<u>fine brown blow sand</u>	
<u>6</u>	<u>20</u>	<u>33</u>	<u>fine brown blow sand</u>	
	<u>33</u>	<u>78</u>	<u>brown clay</u>	
	<u>78</u>	<u>94</u>	<u>brown clay - sandy</u>	
	<u>94</u>	<u>134</u>	<u>brown clay</u>	
	<u>134</u>	<u>182</u>	<u>brown clay - sandy</u>	
	<u>182</u>	<u>205</u>	<u>brown clay</u>	
	<u>205</u>	<u>228</u>	<u>blue clay</u>	
	<u>228</u>	<u>247</u>	<u>gray clay - water at 228'</u>	☒
	<u>247</u>	<u>260</u>	<u>gray clay - sandy</u>	
	<u>260</u>	<u>278</u>	<u>gray shale</u>	
	<u>278</u>	<u>301</u>	<u>sandy gray clay</u>	
<u>6</u>	<u>301</u>	<u>303</u>	<u>gray sand</u>	☒

RECEIVED
AUG 27 1998
Department of Water Resources
MICROFILMED
AUG 26 1998
WATER RESOURCES
WESTERN REGION

Completed _____ Depth 300 (Measurable)
Date: Started 7-1-98 Completed 7-31-98

13. DRILLER'S CERTIFICATION

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

Company Name Indie Well Drilling Firm No. 399
Firm Official [Signature] Date 8-16-98
and
Driller or Operator _____ Date _____
(Sign once if Firm Official & Operator)

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

822485

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

1. WELL TAG NO. **D0031651**

DRILLING PERMIT NO. _____

Other IDWR No. _____

2. OWNER:

Name **JIM SHERVIK**

Address **984 W CORPORATE**

City **NAMPA** State **ID** Zip **83651**

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E
S
Twp. **2** North ☒ or South ☐
Rge. **3** East ☐ or West ☒
Sec. **6** 1/4 SW 1/4 SE 1/4
Gov't Lot _____ County **CANYON**
Lat: _____ Long: _____
Address of Well Site **WESTRIVER SUBDIVISION**

OFF OF LOCUST RD NEAR RIVERSIDE City

Lt. _____ Blk. _____ Sub. Name **WESTRIVER**

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK: check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES:

Seal/Filter Pack			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	18	500	POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) **349**

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	349	250	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS:

☐ Perforations ☐ Screens Method _____ Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

162 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
100	10	340	3 HR

Water Temp. _____

Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water Y N
10	0	18	TOP SOIL/ CLAY	
6	18	20	CLAY	
	20	98	YELLOW SANDY CLAY	
	98	120	YELLOW SAND	
	120	170	BROWN SAND	
	170	212	BLUE CLAY	
	212	221	BLUE SAND	X
	221		BLUE SAND W/SMALL CLAY	
	347	362	STRIPS	X
	347	362	BLUE CLAY	
	362	372	BLUE SHALE/ SDAND	X

SCANNED

SEP 15 2004

RECEIVED

AUG 30 2004

WATER RESOURCES
WESTERN REGION

Completed Depth **372** (Measurable)
Date: Started **8/14/2004** Completed **8/19/2004**

13. DRILLER'S CERTIFICATION:

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

Company Name **DAVIS WELL & PUMP,**

Firm No. **101**

Firm Official _____

Date **8/20/2004**

and _____

Driller or Operator **Chris Wans**

Date **8/20/2004**

(Sign once if Firm Official & Operator)

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUse Typewriter
or
Ball Point Pen1. DRILLING PERMIT NO. 63-96-W-0602-000
Other IDWR No. _____

2. OWNER:

Name Jerry Cereda
Address 11481 Deer Lane
City Caldwell State ID Zip 83604

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N		
S		

Twp. 2 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 6 1/4 NW 1/4 SW 1/4
Gov't Lot _____ County Canyon
Address of Well Site 11481 Deer Lane
City Caldwell
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
<u>bentonite</u>	<u>0</u>	<u>20</u>	<u>500</u>	<u>dry 3/8 granules</u>	

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 159
Was drive shoe seal tested? ☒ Y ☐ N How? bailer test

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6 + 1</u>	<u>159.25</u>	<u>steel</u>	<u>A</u>	☒	☐	<u>A</u>	☐	☐

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:

84 ft. below ground Artesian pressure _____ lb.
Depth flow encountered 174' ft. Describe access port or control devices: well cap

11. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>20</u>	<u>121</u>	<u>160</u>	<u>2 1/2</u>

Water Temp. 67 Bottom hole temp. _____
Water Quality test or comments: 16 grain Hardness

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>8</u>	<u>0</u>	<u>20</u>	<u>brown blow sand</u>		☒
<u>6</u>	<u>20</u>	<u>29</u>	<u>brown blow sand</u>		☒
	<u>29</u>	<u>72</u>	<u>brown clay</u>		☒
	<u>72</u>	<u>89</u>	<u>brown sand</u>		☒
	<u>89</u>	<u>95</u>	<u>brown clay</u>		☒
	<u>95</u>	<u>98</u>	<u>brown sand</u>		☒
	<u>98</u>	<u>136</u>	<u>sandy brown clay</u>		☒
	<u>136</u>	<u>174</u>	<u>brown clay</u>		☒
	<u>174</u>	<u>183</u>	<u>sandy brown clay</u>		☒
	<u>183</u>	<u>190</u>	<u>blue sandy clay</u>		☒

Completed Depth 190 (Measurable)
Date: Started 8-22-96 Completed 9-6-96

13. DRILLER'S CERTIFICATION

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

Firm Name Duke Well Drilling Firm No. 399Firm Official [Signature] Date 9-9-96

and Supervisor or Operator _____ Date _____

(Sign once if Firm Official & Operator)

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 <u>George Colosky</u> Address <u>11601 E. 1st Ave, Caldwell, Idaho</u> Drilling Permit No. <u>63-93-W-0082-000</u> Water Right Permit No. _____		7. WATER LEVEL Static water level <u>168</u> feet below land surface. Flowing? ☐ Yes ☒ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature <u>70</u> °F. Quality <u>32 grains - Hard</u> Describe artesian or temperature zone below.																																																																							
2. NATURE OF WORK ☐ New well ☐ Deepened ☒ Replacement ☐ Well diameter increase ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td><u>16</u></td><td><u>178</u></td><td><u>2</u></td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped	<u>16</u>	<u>178</u>	<u>2</u>																																																																
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3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td><u>8</u></td><td><u>0</u></td><td><u>3</u></td><td><u>Sandy top soil</u></td><td></td><td></td></tr><tr><td><u>8</u></td><td><u>3</u></td><td><u>40</u></td><td><u>brown clay</u></td><td></td><td></td></tr><tr><td><u>6</u></td><td><u>40</u></td><td><u>62</u></td><td><u>brown clay</u></td><td></td><td></td></tr><tr><td><u>6</u></td><td><u>62</u></td><td><u>84</u></td><td><u>sandy brown clay</u></td><td></td><td></td></tr><tr><td><u>8</u></td><td><u>84</u></td><td><u>105</u></td><td><u>white clay</u></td><td></td><td></td></tr><tr><td><u>10</u></td><td><u>105</u></td><td><u>186</u></td><td><u>sandy brown clay</u></td><td></td><td></td></tr><tr><td><u>18</u></td><td><u>186</u></td><td><u>205</u></td><td><u>brown clay</u></td><td></td><td></td></tr><tr><td><u>20</u></td><td><u>205</u></td><td><u>221</u></td><td><u>sandy brown clay</u></td><td></td><td></td></tr><tr><td><u>22</u></td><td><u>221</u></td><td><u>235</u></td><td><u>blue clay</u></td><td></td><td></td></tr><tr><td><u>6</u></td><td><u>235</u></td><td><u>241</u></td><td><u>sand & blue clay layers</u></td><td></td><td></td></tr></tbody></table>		Bore Diam.	Depth		Material	Water		From	To	Yes	No	<u>8</u>	<u>0</u>	<u>3</u>	<u>Sandy top soil</u>			<u>8</u>	<u>3</u>	<u>40</u>	<u>brown clay</u>			<u>6</u>	<u>40</u>	<u>62</u>	<u>brown clay</u>			<u>6</u>	<u>62</u>	<u>84</u>	<u>sandy brown clay</u>			<u>8</u>	<u>84</u>	<u>105</u>	<u>white clay</u>			<u>10</u>	<u>105</u>	<u>186</u>	<u>sandy brown clay</u>			<u>18</u>	<u>186</u>	<u>205</u>	<u>brown clay</u>			<u>20</u>	<u>205</u>	<u>221</u>	<u>sandy brown clay</u>			<u>22</u>	<u>221</u>	<u>235</u>	<u>blue clay</u>			<u>6</u>	<u>235</u>	<u>241</u>	<u>sand & blue clay layers</u>		
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☒ Cable ☐ Dug ☐ Other _____		10. RECEIVED MAR 5 1993 Department of Water Resources Western Regional Office																																																																							
5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>6</u> inches</td><td><u>2</u> feet</td><td><u>198</u> feet</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table> 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 <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table> 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 <u>40</u> 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 <u>Top of casing</u>		Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>2</u> feet	<u>198</u> feet													Number	From	To										11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Dave Well Drilling</u> Firm No. <u>399</u> Address <u>Nampa Idaho</u> Date <u>Feb-28-93</u> Signed by (Firm Official) <u>[Signature]</u> and (Operator) <u>Sam C</u>																																							
Thickness	Diameter	From	To																																																																						
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Number	From	To																																																																							
6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td></td><td></td></tr><tr><td>W</td><td>X</td><td>E</td></tr><tr><td></td><td></td><td></td></tr><tr><td>S</td><td></td><td></td></tr></table> Subdivision Name <u>Knighten Hills Sub.</u> Lot No. <u>7</u> Block No. _____ County <u>Oregon</u> SE 1/4 NW 1/4 Sec. <u>6</u> T. <u>2</u> N. <u>3</u> E. <u>3</u>		N			W	X	E				S																																																														
N																																																																									
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S																																																																									

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.

[illegible]



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

RECEIVED

MAR 08 2005

WATER RESOURCES
WESTERN REGION

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
Toni Hardesty, Director

TSCPE-242005

March 7, 2005

Jim Shervik
Sherfire Properties
984 West Corporate Lane, Suite 201
Nampa, Idaho 83651

RE: *West River Subdivision Water Distribution System*

Dear Mr. Shervik:

The plans and specifications for the subject project appear to meet state of Idaho standards, and are conditionally approved as noted below. We recommend that the District Health Department lift sanitary restrictions.

I. Standard Conditions:

- A. The standard conditions on the Department of Environmental Quality (DEQ) review stamp are part of this approval. Supporting reports or documents are considered to be part of the approved documents.
- B. No work may begin until a copy of this approval letter and the approved plans and specifications are delivered to and kept on the job site. Approval conditions must be met and you, as the project owner, must ensure that the contractor, inspecting, and certifying engineer are aware of these conditions.
- C. This approval will be voided if: 1) construction is not completed by March 7, 2006; 2) the project is improperly constructed, operated or maintained; or 3) the project fails to function as intended.
- D. Per the project documents, a professional engineer or construction inspector under the supervision of a professional engineer with Leavitt & Associates Engineers, Inc. shall provide construction inspection sufficient to ensure the project is built in substantial accordance with the approved plans. DEQ approval, prior to construction, is required for any substantial deviations from the approved plans and specifications. Verbal approvals, if any, shall be documented by the professional engineer in a cover letter submitted with the project record drawings.
- E. Within thirty (30) days after construction, the professional engineer shall provide DEQ with either: 1) record drawings with a cover letter as described in item I.D, or 2) a letter of certification stating that the project was installed in substantial accordance with the approved plans.

II. Project Specific Conditions and Comments:

- A. For this project, stormwater will discharge to infiltration trenches and a storm drainage pond (bioretention basin). Per requirements of the Idaho *Ground Water Quality Rule*, IDAPA 16.01.11.301: "... any activity with the potential to degrade the quality of an aquifer must be managed at least to maintain the existing groundwater quality through the use of Best Management Practices, or Best Practical Methods to the maximum extent practical." The stormwater disposal system proposed for this project could degrade

63-32003

groundwater quality and therefore shall conform, at a minimum, to the *Catalog of Storm Water Best Management Practices for Idaho Cities and Counties*, or equivalent.

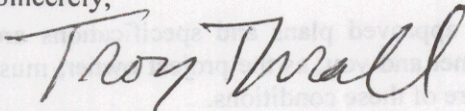
Construction and maintenance guidelines can be found at:

http://www.deq.state.id.us/water/permits_forms/permitting/catalog_bmps.cfm

- B. It is apparent from Article III, Section V of the draft Declaration of Covenants, Conditions, and Restrictions, which was submitted separately, that the homeowner's association will be responsible for subsurface maintenance of the storm water treatment system. The Declaration of Covenants, Conditions, and Restrictions should consider the possibly large financial burden that could be unexpectedly placed on this type owner should groundwater pollution be attributed to these facilities. For your own protection, the Boise Regional office strongly recommends disclosure of these concerns to the home owners and potential buyers. Consequences for not properly maintaining the storm water facilities should also be addressed. We recommend that you review your final wording with your consultant and attorney.
- C. Your consultant, Mr. J. Reese Leavitt, indicated to me in a telephone conversation on March 3, 2005, that water meters will be installed as part of this project, and the meters will be certified to ANSI/NSF standard 61 per the requirements of IDAPA 550.01.08.550.02. The make and model number of the meters installed shall be shown in the as-built drawings.

Please contact me with any questions at 373-0175 or via e-mail at tthrall@deq.idaho.gov.

Sincerely,



Troy Thrall, P.E.
Staff Engineer

TT:sjt

Enclosure: One Set of Approved Plans and Specifications

- C: J. Reese Leavitt, P.E., Leavitt & Associates Engineers, Inc. (w/ encl)
Chas Ariss, P.E., DEQ-BRO (w/ encl)
Mark Clough, P.E., DEQ-TS
Steve Lester, IDWR-Western Regional Office
TSCPE Reading File
David Loper, Southwest District Health Department
Bob Rawlings, Idaho Division of Building Safety, Plumbing Bureau, 1090 E. Water
Tower Street, Meridian, Idaho 83642 (w/checklist, vicinity map)



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

RECEIVED

MAR 08 2005

WATER RESOURCES
WESTERN REGION

Dirk Kempthorne, Governor
Toni Hardesty, Director

TSCPE-23/2005

March 4, 2005

Jim Shervik
Sherfire Properties
984 W. Corporate Lane, Suite 201
Nampa, Idaho 83651

RE: *West River Subdivision- Approval of Engineer's Report, Comments on TFM Report and O&M Manual*

These are my comments on the above documents, submitted on November 15, 2004.

Engineer's Report

1. The Engineering report meets the requirements of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08.551.01) and is hereby approved.

Technical, Financial, and Managerial Capacity Report

1. These comments are in regard to Element 1:
 - a. The deeds, plat, and easements are missing from Appendix A. These shall be provided as soon as they are available.
 - b. A certified operator is required after 15 homes are sold, or 25 residents are being served water (IDAPA 58.01.08.554.01). Section 3 must be changed to reflect this.
 - c. The by-laws are missing from Appendix C. These shall be provided as soon as they are available.
 - d. A draft version of the Covenants and Restrictions is provided. A final version shall be provided as soon as it is available. The sections dealing with the public drinking water system must comply with the Idaho Rules for Public Drinking Water Systems. Attached is a copy of Appendix D from the PNS-AWWA Cross Connection Control Manual, which consists of sample cross connection control ordinances. These will be helpful in finalizing the covenants and restrictions.
2. The preliminary map in Element 2 shall be replaced with a final map and provided with the as-built plans.
3. A copy of all water rights shall be provided for Appendix G as soon as they are available.
4. A copy of all initial monitoring for the two wells shall be provided as soon as the testing is done. Contact the DEQ Boise regional office for initial monitoring requirements.
5. Add the following paragraph to the end of Element 8: "The cross connection control program shall be in accordance with the requirements of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08.550.07). Elements of the program will include annual evaluation of the water system to determine the need for new or upgraded backflow prevention assemblies, annual testing of all backflow prevention assemblies, and discontinuance of service to any property where adequate backflow prevention has not been implemented."

Operation & Maintenance Manual

1. These comments address Section 7.c. I make the following recommendations:
 - a. The title of this section should be changed from "Backflow prevention devices" to "Backflow prevention assemblies".

63-32003

Jim Shervik
March 4, 2005
Page 2 of 2

- b. Insert the following sentence after the second sentence of the second paragraph: "Only testers certified by the Idaho State Board of Drinking Water and Wastewater Professionals are allowed to test backflow prevention assemblies protecting public water systems in the State of Idaho."
 - c. Another good reference for cross connection control is the EPA Cross Connection Control Manual. It can be downloaded and printed for free from <http://www.epa.gov/safewater/crossconnection.html>.
- 2. The following sections of the manual must be completed and submitted with the as-built plans:
 - a. 8 – Special operational recommendations
 - b. 11 – Manufacturer's O & M and Warranty Info
 - c. 13 – Maintenance Schedules
 - d. 15 - Troubleshooting

Please call me with any questions at 373-0175 or via e-mail at tthrall@deq.state.id.us.

Sincerely,



Troy Thrall, P.E.
Drinking Water Engineer
DEQ Technical Services

TT:sjt

Enclosure: Appendix D of PNS-AWWA Cross Connection Control Manual

- C: J. Reese Leavitt, P.E., Leavitt & Associates Engineers, Inc. (w/ encl)
Chas Ariss, PE, DEQ-BRO
Mark Clough, PE, DEQ-TS
Steve Lester, IDWR-Western Regional Office
David Loper, Southwest District Health Department
TSCPE Reading File

* * * M ry TX Result Report (Feb. 24. 2005 3:46PM) * * *

1) Idaho Dept. of Water Resources
2)

Date/Time: Feb. 24. 2005 3:43PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
0277	Memory TX	94639040	P. 7	OK	

Reason for error

E. 1) Hang up or line fail

E. 3) No answer

E. 5) Exceeded max. E-mail size

E. 2) Busy

E. 4) No facsimile connection

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

IN THE MATTER OF APPLICATION)
 FOR PERMIT NO. 63-32003 IN THE)
 NAME OF SHERFIRE PROPERTIES)

NOTICE OF PREHEARING
CONFERENCE

On October 15, 2004 Sherfire Properties filed with the Department of Water Resources (IDWR) an application for permit to appropriate the public waters of the State of Idaho. The application was protested by John Minkoff.

IDWR has scheduled a prehearing conference for the protest to be held on Tuesday, April 5, 2005 at 10:00 a.m. at the Idaho Department of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705. The conference will be held in accordance with provisions of Chapters 2 and 17, Title 42, and Chapter 52, Title 67, of the Idaho Code, the adopted Rules of Procedure of the Department of Water Resources, and Rules 40 and 45 of the adopted Rules of Water Appropriation of the Department of Water Resources.

The conference will be conducted in a facility that satisfies 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 IDWR at least ten (10) days prior to the conference.

Dated this 23 day of February 2005.


 JOHN WESTRA
 Western Regional Manager

BEFORE THE DEPARTMENT OF WATER RESOURCES

OF THE

STATE OF IDAHO

**IN THE MATTER OF APPLICATION)
FOR PERMIT NO. 63-32003 IN THE)
NAME OF SHERFIRE PROPERTIES)**
_____)

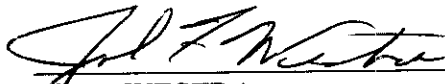
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The conference will be conducted in a facility that satisfies the accessibility requirements of the Americans with Disabilities Act. If you require special accommodations in order to attend, participate in or understand the conference, please advise IDWR at least ten (10) days prior to the conference.

Dated this 23rd day of February 2005.



JOHN WESTRA

Western Regional Manager

CERTIFICATE OF MAILING

I hereby certify that on the ____ day of February 2005, I mailed a true and correct copy, postage prepaid, of the Notice of Prehearing Conference to those listed:

Sue Kreger
Administrative Assistant

SHERFIRE PROPERTIES
C/O JIM SHERVIK
984 W CORPORATE LN STE 201
NAMPA ID 83651

JOHN MINKOFF
11648 EVA LN
CALDWELL ID 83607

CONFERENCE AND HEARING PROCEDURE

APPLICATION FOR PERMIT

Section 42-203A, Idaho Code, requires the department to consider the following issues in connection with an application for permit:

- 1) Will the proposed appropriation injure other water rights?
- 2) Is the proposed water supply sufficient for the purpose for which it is sought to be appropriated?
- 3) Was the application made in good faith or for delay or speculative purposes?
- 4) Does the applicant have sufficient financial resources with which to complete the proposed project?
- 5) Is the proposed appropriation in the local public interest, which is defined as the affairs of the people in the area directly affected by the proposed use?
- 6) 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 on issues 1, 2, 3, 4, & 6 above and must provide evidence for the department to evaluate these criteria.

The initial burden of proof on issue 5 above lies with both the applicant and protestant as to factors 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 prehearing 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 offers, schedule hearings, establish procedure at hearings and address other matters that may expedite orderly conduct and disposition of the proceeding or its settlement.

HEARING

The department will tape record the hearing. Copies of a hearing tape are available upon written 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 the Director himself. If so, the hearing officer will prepare a preliminary order for the Director's consideration. Parties can file exceptions to a preliminary 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 their right to a preliminary 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 prior to any scheduled hearing.

AMERICANS WITH DISABILITIES ACT

Any hearing scheduled will be conducted in a facility that 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 ten (10) days prior to the hearing.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

February 23, 2005

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

JOHN MINKOFF
11648 EVA LN
CALDWELL ID 83607

Re: Application for Permit No. 63-32003 in the Name of Sherfire Properties

Dear Protestant:

This office acknowledges receipt of your protest to the issuance of a permit pursuant to the above referenced application.

The following are the criteria the department must consider in either approving or denying an application for permit (Section 42-203A, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

Enclosed is a Notice of Prehearing Conference scheduled for Tuesday, April 5, 2005 at the Western Region of the Idaho Department of Water Resources, 2735 Airport Way, Boise, Idaho 83705. At the conference, the department will review possibilities for resolution of the protest. If the matter cannot be resolved at that time, a formal hearing will be arranged for a future date.

The department suggests you contact the applicant(s) directly in an effort to determine what is proposed by the application and to attempt to resolve the protest prior to the prehearing conference. Direct, sincere conversation between the parties prior to initiation of formal proceedings can often resolve a protest.

If this office can be of further assistance, please contact us.

Sincerely,

JOHN WESTRA
Western Regional Manager

JW:sk

Encl: Copy of Application
Notice of Prehearing Conference



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

February 23, 2005

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

SHERFIRE PROPERTIES
C/O JIM SHERVIK
984 W CORPORATE LN STE 201
NAMPA ID 83651

Re: Application for Permit No. 63-32003

Dear Applicant:

Enclosed is a copy of a protest filed against the issuance of a permit pursuant to the above-referenced application.

The following are the criteria the department must consider in either approving or denying an application for permit (per Section 42-203A, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purposes intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?
6. Will the proposed use be contrary to conservation of water resources within the state of Idaho?

Enclosed is a Notice of Prehearing Conference scheduled for Tuesday, April 5, 2005 at the Western Region of the Idaho Department of Water Resources, 2735 Airport Way, Boise, Idaho 83705. At the conference, the department will review possibilities for resolution of the protest. If the matter cannot be resolved at that time, a formal hearing will be arranged for a future date.

The department suggests you contact the protestant(s) directly in an effort to determine what is in dispute in the application and to attempt to resolve the protest. Direct, sincere conversation between the parties prior to initiation of formal proceedings can often resolve a protest.

Please contact this office if you have questions regarding this procedure.

Sincerely,

JOHN WESTRA
Western Regional Manager

JW:sk

Enclosure: Copy of protest(s)
Notice of Prehearing Conference

RECEIVED

FEB 07 2005

WATER RESOURCES
WESTERN REGION

February 7, 2005

Karl J. Dreher, Director
Idaho Department of Water Resources, Western Region
2735 Airport Way
Boise, ID 83705

Re: Protest of Well Application No. 63-32003

Dear Mr. Dreher:

On behalf of myself and my neighbors, I hereby protest the approval of the application (# 63-32003) filed by Sherfire Properties for two large capacity community wells in the West River Subdivision, Canyon County.

The legal notice states: "Water bearing zone to be appropriated is from 250 to 500 feet." Since my own domestic well--and those of other nearby homeowners--are deeper than 300 feet, these new wells need to extend below 500 feet in order to protect our essential, long held water resource.

The \$25 filing fee for this protest is enclosed. As required, a copy has been sent to the applicant. If there are any questions, I can be reached at (208) 459-4740 or 453-2840.

Sincerely,



Jon Minkoff
11648 Eva Lane
Caldwell, ID 83607

Enclosure

cc: Jim Shervik, Sherfire Properties (w/o enc.)

\$25 - ✓ DB W032576 2-7-05

Idaho Department of Water Resources Receipt

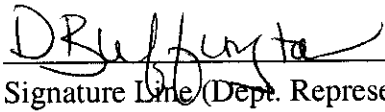
Receipt ID W032576

Payment Amount Date Received Region Status
Payment Type Check Number

Payer
Comment

Fee Detail

Amount	Description	Fund	FD	PCA	SO
\$25.00	PROTESTS	0229	21	62103	1155


Signature Line (Dept. Representative)

63-32003

LEGAL NOTICE

The following application(s) have been filed to appropriate the public waters of the State of Idaho:
63-32003

SHERFIRE PROPERTIES
1404 MIDLAND BLVD
NAMPA ID 83651
JIM SHERVIK
C/O SHERFIRE PROPERTIES
984 W CORPORATE LN
STE 201
NAMPA ID 83651

Point(s) of Diversion SESWSE S6 T02N R03W CANYON County Source GROUND WATER
Point(s) of Diversion NWSE S6 T02N R03W CANYON County Source GROUND WATER

Use: DOMESTIC 01/01 To 12/31 0.26 CFS
Total Diversion: 0.26 CFS
Date Filed: 10/15/2004
Place Of Use: DOMESTIC
T02N R03W S6 NWSE SWSE

Remark: Applicant agrees to mitigate consumptive use in the future as needed.
Domestic use is for 36 homes in West River Subdivision.
Water bearing zone to be appropriated is from 250 to 500 feet.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 02/07/2005. The protestant must also send a copy of the protest to the applicant.

KARL J DREHER, Director

January 20, 27, 2005

04520753

AFFIDAVIT OF PUBLICATION

STATE OF IDAHO)
) **SS.**
County of Canyon)

Corina L. Buck
of Nampa, Canyon County, Idaho, being
first duly sworn, deposes and says:

e0100285 04520753
1 Idaho Dept. of Water Resourc
2735 Airport Way
BOISE ID 83705

1. That I am a citizen of the United States, and at all times hereinafter mentioned was over the age of eighteen years, and not a party to the above entitled action.
2. That I am the Principal Clerk of the Idaho Press-Tribune, a daily newspaper published in the City of Nampa, in the County of Canyon, State of Idaho; that the said newspaper is in general circulation in the said County of Canyon, and in the vicinity of Nampa and Caldwell, and has been uninterruptedly published in said County during a period of seventy-eight consecutive weeks prior to the first publication of this notice, a copy of which is hereto attached.
3. That the notice, of which the annexed is a printed copy, was published in said newspaper 2 time(s) in the regular and entire issue of said paper, and was printed in the newspaper proper, and not in a supplement.
4. That said notice was published the following:
01/20/2005, 01/27/2005

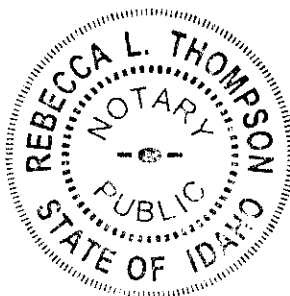
Corina L. Buck

STATE OF IDAHO)
County of Canyon)

On the 27th day of January in the year of 2005
before me, a Notary Public, personally appeared.
Corina L. Buck,
known or identified to me to be the person
whose name is subscribed to the within
instrument, and being by me first duly sworn,
declared that the statements therein are true, and
acknowledge to me that he/she executed the same.

Rebecca L. Thompson
Notary Public for Idaho
Residing at Nampa
My commission expires April 19, 2008

RECEIVED
JAN 28 2005
WATER RESOURCES
WESTERN REGION



Kreger (Taylor), Sue

To: srae@deq.state.id.us
Subject: comment letters

**IDAHO DEPARTMENT OF WATER RESOURCES
WESTERN REGION
2735 AIRPORT WAY
BOISE ID 83705**

January 19, 2005

ID DEPT ENV QUALITY
STEVE RAE
1445 N ORCHARD
BOISE ID 83706-2239

Re: Applications for Permit

Dear Mr. Rae:

Attached is a copy(s) of one or more applications that may be of interest to you and/or to a local District Health office should you choose to delegate review of the application(s) to that organization. Please contact the applicant if your agency and/or District Health have concerns about the application(s). It is not necessary to provide agency comments to the Idaho Department of Water Resources (IDWR), although your comments are welcome if you think IDWR would benefit from them.

If your agency and/or a local District Health office desires to file a formal protest against approval of any of these applications, a written protest along with the \$25.00 protest fee for each application protested must be received in this office by February 7, 2005. A copy of the protest must also be sent to the applicant.

If you have any questions regarding these applications, please contact this office at 334-2190.

Sincerely,

Sue Kreger
(208) 334-2190
Id Dept Water Resources
Sue.Kreger@idwr.idaho.gov



63-32003.pdf



57-11673.pdf

**IDAHO DEPARTMENT OF WATER RESOURCES
WESTERN REGION
2735 AIRPORT WAY
BOISE ID 83705**

January 14, 2005

Legal Notice Department
PRESS-TRIBUNE
PO BOX 9399
NAMPA ID 83652

RE: Application for Permit No. 63-32003 and Transfer No. 71550

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find legal notices which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notices on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 02/07/2005. Your cooperation is appreciated.

Sincerely

Sue Kreger
Administrative Assistant

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-32003

SHERFIRE PROPERTIES
1404 MIDLAND BLVD
NAMPA ID 83651
JIM SHERVIK
C/O SHERFIRE PROPERTIES
984 W CORPORATE LN
STE 201
NAMPA ID 83651

Point(s) of Diversion SESWSE S6 T02N R03W CANYON County Source GROUND WATER

Point(s) of Diversion NWSE S6 T02N R03W CANYON County Source GROUND WATER

Use: DOMESTIC 01/01 To 12/31 0.26 CFS

Total Diversion: 0.26 CFS

Date Filed: 10/15/2004

Place Of Use: DOMESTIC

T02N R03W S6 NWSE SWSE

Remark: Applicant agrees to mitigate consumptive use in the future as needed.
Domestic use is for 36 homes in West River Subdivision.
Water bearing zone to be appropriated is from 250 to 500 feet.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region,
2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 02/07/2005. The protestant must also send a copy of the protest to the applicant.

KARL J DREHER, Director

Published in the Press Tribune on January 20 and 27, 2005.

Idaho Department of Water Resources Receipt

Receipt ID W032311

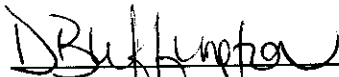
Payment Amount	\$250.00	Date Received	10/15/2004 12:35:46 PM	Region	Western	Status	☐
Payment Type	Check	Check Number	3771				

Payer SHER-FIRE PROPERTIES

Comment APPLICATION FOR PERMIT: SHERFIRE PROPERTIES / SHERVIK

Fee Detail

Amount	Description	Fund	FD	PCA	SO
\$250.00	PERMITS	0229	21	62103	1155



Signature Line (Dept. Representative)