

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 51-13106

RECEIVED
SEP 27 2013
WATER RESOURCES
WESTERN REGION

1. Name of applicant(s) Half Moon, LLC Phone 208-322-5600
Name connector (check one): ☐ and ☐ or ☐ and/or

Mailing address: 911 East Winding Creek Drive, Ste 150 City Eagle
State ID Zip 83616 Email: _____

2. Source of water supply Ground Water which is a tributary of _____

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
6S	11E	24			SW	SE	Elmore	Ground Water	
6S	11E	25			NE	NW	Elmore	Ground Water	

4. Water will be used for the following purposes:

Amount 4.0 cfs for Irrigation purposes from 3/15 to 11/15 (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) 4.0 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. Up to two wells, pumps, pressurized irrigation system

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No

c. Proposed well diameter is 16 inches; proposed depth of well is 1200 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No

e. If well is already drilled, when? _____; drilling firm _____;
Well was drilled for (well owner) _____; Drilling Permit No. _____

7. Description of proposed uses (if irrigation only, go to item 8):

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 or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. _____

8. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. 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	
6S	11E	24									21			40	12	17	40	40	170
		25	40	40	40	40	40	40	40	40									320

Total number of acres to be irrigated: 200 acres within a 490-acre permissible place of use (ppu)

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? None

10. a. Who owns the property at the point of diversion? Applicant

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

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

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Anticipated water bearing zone to be appropriated is from 500 to 1200 feet.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" 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.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

Jerry L. Caven

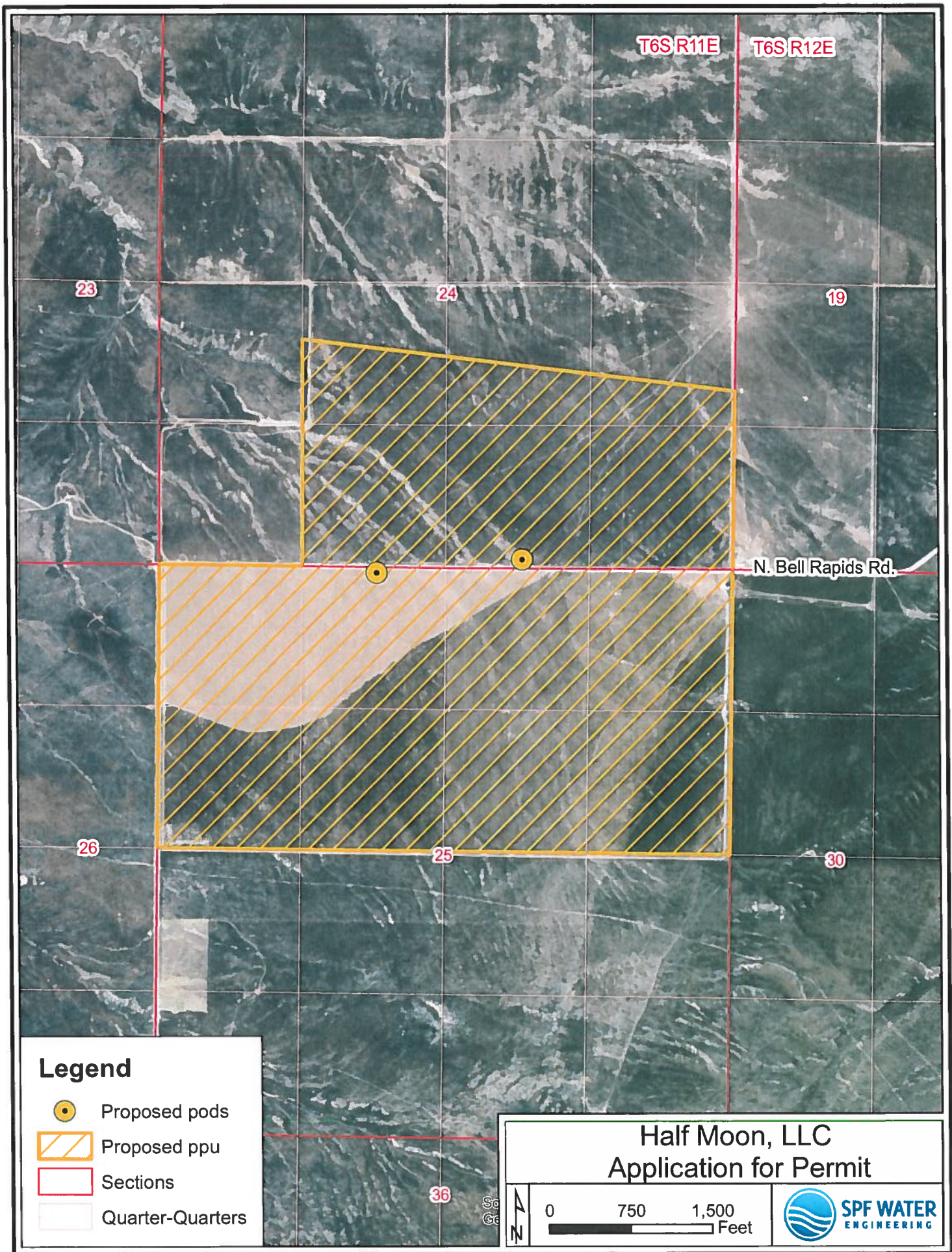
Print Name (and title, if applicable)

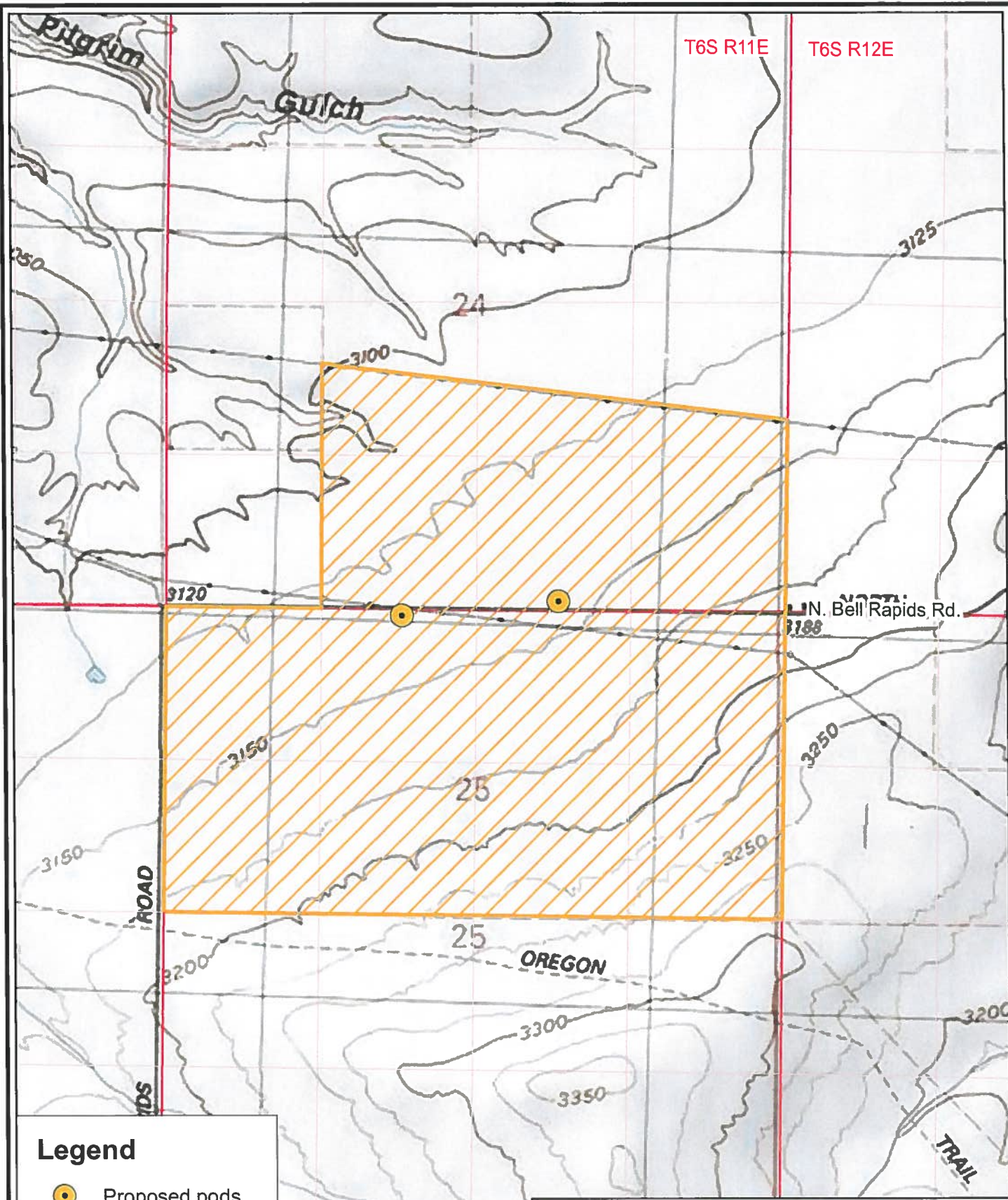
Signature of Applicant

Print Name (and title, if applicable)

For Department Use:

Received by JA Date 9/27/13 Time 1:20 Preliminary check by AR
 Fee \$ 370.00 Received by JA Receipt No. W041543 Date 9/27/13





Legend

-  Proposed pods
-  Proposed ppu
-  Sections
-  Quarter-Quarters

**Half Moon, LLC
Application for Permit**



0 750 1,500
Feet



Sommer, Rachel

From: Sommer, Rachel
Sent: Wednesday, June 11, 2014 5:24 PM
To: 'SSWENSON@MOUNTAINHOMENEWS.COM'
Subject: Elmore Legal Ad
Attachments: Elmore Cover Letter.docx; Elmore Legal Ad.docx

Good Afternoon Stacy Swenson,

Please see the attached ad for publication on 6/18/2014 & 6/25/2014.

Please confirm these are okay to publish as shown.

Thank you very much,

Rachel Sommer

Administrative Assistant
Dept. of Water Resources
Western Regional Office
2735 Airport Way, Boise ID 83705
Phone 208-334-2190 | Fax 208-334-2348
Email: rachel.sommer@idwr.idaho.gov

June 11, 2014

LEGAL NOTICE DEPARTMENT
MOUNTAIN HOME NEWS
PO BOX 1330
MOUNTAIN HOME, ID 83647-1330

RE: Application for Permit No. 51-13106

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice 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 7/7/2014. Your cooperation is appreciated.

Sincerely,

Rachel Sommer
Administrative Assistant

Enclosures

The following application has been filed to appropriate the public waters of the State of Idaho:

51-13106

HALF MOON LLC

911 E WINDING CREEK DR STE 150

EAGLE, ID 83616

Point of Diversion SWSE S24 T06S R11E ELMORE County Source GROUND WATER

Point of Diversion NENW S25 T06S R11E ELMORE County Source GROUND WATER

Use: IRRIGATION 03/15 to 11/15 4 CFS

Total Diversion: 4 CFS

Date Filed: 9/27/2013

Place of Use: IRRIGATION

T06S R11E S24 NESW SESW SE(ALL)

T06S R11E S25 NE(ALL) NW(ALL)

Total Acres: 490

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190; or for a full description of the right(s), please see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 7/7/2014. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 6/18/2014 and 6/25/2014

Grimm, Angie

From: Lori Graves [LGraves@spfwater.com]
Sent: Friday, June 06, 2014 11:36 AM
To: Grimm, Angie
Cc: Christian Petrich
Subject: RE: Half Moon Status

Angie,

As a follow-up to our telephone call with you this morning, please go ahead and advertise the application the third and fourth weeks of June. We will call John upon his return to discuss the details of his letter. I'm assuming the Department is making this test well request under the umbrella of Water Appropriation Rule 40.05.c through 40.05.g. Please let me know I'm mistaken. Thanks again Angie.

From: Grimm, Angie [mailto:Angie.Grimm@idwr.idaho.gov]
Sent: Friday, June 06, 2014 9:01 AM
To: Lori Graves
Subject: RE: Half Moon Status

Lori,

The letter was not sent to Half Moon, only to SPF Water Engineering as the consultant for the applicant. Attached is a copy of the letter.

Angie

Angela M. Grimm, P.G.
Water Resources Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208) 334-2190 phone
(208) 334-2348 fax

From: Lori Graves [mailto:LGraves@spfwater.com]
Sent: Friday, June 06, 2014 8:56 AM
To: Grimm, Angie
Subject: RE: Half Moon Status

The client called and left me a message so he probably received his copy of the letter and wants to discuss. Can you scan me a copy of the letter so I can call him back. Thanks Angie.

From: Grimm, Angie [mailto:Angie.Grimm@idwr.idaho.gov]
Sent: Friday, June 06, 2014 8:53 AM
To: Lori Graves
Subject: RE: Half Moon Status

Lori,

Good morning! I mailed a letter addressed to Christian day before yesterday (6/4) you should be getting hopefully today. We requested a proposal for drilling a test well and conducting a pump test before a final determination regarding the application will be made. The letter indicates we may advertise the application in the meantime if the applicant so desires. The next advertising deadline is Tuesday (6/10) for publication the third and fourth weeks of June. If you would like me to advertise while a test well and pump test proposal is being drafted please let me know.

Thanks,
Angie

Angela M. Grimm, P.G.
Water Resources Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208) 334-2190 phone
(208) 334-2348 fax

From: Lori Graves [<mailto:L.Graves@spfwater.com>]
Sent: Friday, June 06, 2014 8:40 AM
To: Grimm, Angie
Subject: Half Moon Status

Good Morning Angie,

Can you tell me when 51-13106 will be advertised?

Regards,
Lori

Lori Graves | Water Rights Specialist

SPF Water Engineering, LLC
300 E Mallard Drive, Suite 350 | Boise, ID 83706
p. 208.383.4140 | f. 208.383.4156 | c. 208.869.4569
e. lgraves@spfwater.com | w. www.spfwater.com

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State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 4, 2014

HALF MOON LLC
C/O CHRISTIAN R PETRICH PE
SPF WATER ENGINEERING
300 E MALLARD DR SUITE 350
BOISE ID 83706

Re: Application for Permit No. 51-13106: Test Well and Pump Test Request

Dear Christian:

The Idaho Department of Water Resources (IDWR) received and reviewed your response to our request for additional information required for large diversion projects exceeding 5.0 cfs and/or irrigation of 200 acres, as your client proposes. IDWR appreciates the efforts made in supplying the information received to date. However, IDWR questions whether there is a sufficient water supply for the proposed project, should the diversion be permitted. Due to the limited data available regarding aquifer properties in the project area, IDWR requests a test well be constructed and a pump test performed.

The pump test should be conducted on the proposed project property at a rate approximately equal to the proposed single well diversion rate for this project (~2 cfs) to provide estimates of aquifer properties in the area, specifically well capacity/yield. The capacity information available for nearby existing wells is limited to domestic wells generally requiring lower yields than larger irrigation wells. The test well construction and pump test information will aid in demonstrating ground water availability and/or sufficiency of ground water supply in the area. Additionally, during construction of the test well, ground water temperature information should be logged for every 100 ft of well depth. The data will be invaluable in assisting IDWR with making a more fully informed decision regarding the permit application.

Please submit a test well construction and pump test proposal for our review within ninety (90) days. You may seek additional time to provide the proposal if necessary. Meanwhile, IDWR may publish the public notice of your application proposal in the newspaper should you so desire. Please inform Angie Grimm of IDWR if you'd like us to do so. Otherwise, IDWR will wait to proceed with further application processing until a proposal is received. The application will be voided without a timely written reply. Please contact me at 208-334-2190 if you have any questions. Thank you for your attention to these matters. I look forward to your response.

Sincerely,

John Westra
Western Regional Manager

Grimm, Angie

From: Grimm, Angie
Sent: Wednesday, May 07, 2014 7:57 AM
To: 'cpetrich@spfwater.com'; Lori Graves
Subject: RE: File Notification from cpetrich@spfwater.com: MEMO IDWR Response (Final 2014-02-04).pdf

Christian & Lori,

Quick email confirming I received your report in response to my large diversion information request of 1/2/14. Thank you!

Angie

Angela M. Grimm, P.G.
Water Resources Agent, Sr.
IDWR - Western Region
2735 Airport Way
Boise, ID 83705-5082
(208) 334-2190 phone
(208) 334-2348 fax

-----Original Message-----

From: cpetrich@spfwater.com [<mailto:noreply@mailbigfile.com>]
Sent: Tuesday, May 06, 2014 4:15 PM
To: Grimm, Angie
Subject: File Notification from cpetrich@spfwater.com: MEMO IDWR Response (Final 2014-02-04).pdf

Your file is ready to download from SPF Water Engineering, LLC

Half Moon report

The files sent were as follows:
MEMO IDWR Response (Final 2014-02-04).pdf

The file will be available for 30 days

Please use this link to retrieve the file:
https://www.mailbigfile.com/51505d96f60c813ebe7a60944ca4f6ee/listFiles.php?repro_id=3103

Thank you from the team at SPF Water Engineering, LLC

Grimm, Angie

From: cpetrich@spfwater.com [noreply@mailbigfile.com]
Sent: Tuesday, May 06, 2014 4:15 PM
To: Grimm, Angie
Subject: File Notification from cpetrich@spfwater.com: MEMO IDWR Response (Final 2014-02-04).pdf

Your file is ready to download from SPF Water Engineering, LLC

Half Moon report

The files sent were as follows:
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Please use this link to retrieve the file:

https://www.mailbigfile.com/51505d96f60c813ebe7a60944ca4f6ee/listFiles.php?repro_id=3103

Thank you from the team at SPF Water Engineering, LLC

RECEIVED

MAY 07 2014

WATER RESOURCES
WESTERN REGION

RECEIVED

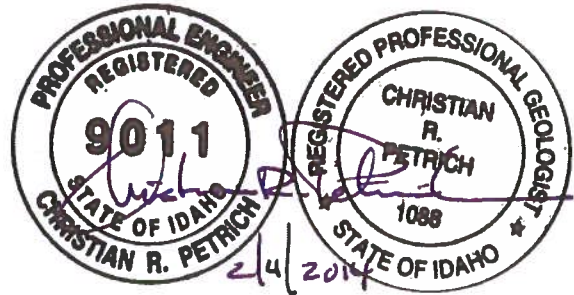
MAY 07 2014

WATER RESOURCES
WESTERN REGION

MEMORANDUM

DATE: February 4, 2014

TO: Ms. Angela Grimm, P.G.
Water Resource Agent, Sr.
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, Idaho 83705-5082



FROM: Christian R. Petrich, Ph.D., P.E., P.G.

CC: Jim Chambers, Half Moon, LLC

RE: *Application for Permit 51-13106 (Half Moon, LLC)*

Introduction

This memorandum responds to your letter of January 2, 2014 requesting additional information about the sufficiency of water supply for Application 51-13106. Specifically, this memorandum provides projected diversion rates and volumes, projected consumptive use, a description of anticipated aquifer conditions, and a review of regional water-level trends.

General Conclusion

The general conclusion of this review, given the paucity of data in the immediate vicinity of the proposed place of use, is that the best way to evaluate local aquifer capacity will be to initiate the proposed pumping while monitoring seasonal groundwater-level responses.

Requested Information

Your letter of January 2, 2014 requests information outlined in Water Appropriation Rule 40, Rule Subsection 040.05d, which reads as follows:

- i. Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of the year that water is required, and the volume of water that will be consumptively used per year.

ii. Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that the water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source.

The requested information, to the extent available, is provided and/or addressed in the following sections.

Application for Permit 51-13106

Application for Permit 51-13106, submitted by Half Moon, LLC, requests authorization to divert 4.0 cfs of groundwater for the irrigation of 200 acres within a 490-acre permissible place of use in Sections 24 and 25 of Township 6S, Range 11E (Figure 1 and Figure 2 – all figures begin on page 5). The anticipated season of use will be March 15 through November 15. The anticipated well depth ranges from 500 to 1,200 feet below ground surface.

IDWR's standard consumptive use and headgate delivery volume in the vicinity of the proposed place of use (for the purposes of processing applications) is 3.0 and 4.0 feet/acre, respectively. Based on these amounts, the maximum consumptive use for irrigating the proposed 200 acres would be 600 acre-feet (AF) per year. Similarly, the maximum withdrawal volume would be 800 AF per year.

Hydrogeology

The proposed place of use lies at the southwestern margin of the Eastern Snake River Plain. The property lies at approximately 3,200 feet of elevation, which is about 600 feet higher than the Snake River located about approximately 2.5 miles north of the proposed place of use.

Geology in the vicinity of the proposed use (Figure 4) consists of Tertiary- and Quaternary-aged sediments, including fine-grained (e.g., clay) Idaho Group lacustrine (lake-deposited) sediments, underlain by Pliocene- or Miocene-age basalts (Bond and Wood, 1978; Lewis et al., 2012).

A search of the IDWR online well-construction database revealed 19 wells in the general vicinity of the proposed place of use (defined in this case to be within 5 miles of the proposed place of use and south of the Snake River). However, two of these wells appear to have incorrect location information. Locations of the remaining 17 wells are shown in Figure 3. The wells ranged in depth from 180 to 1,060 feet below ground surface. Static water levels ranged from 60 to 624 feet below ground surface.

None of the 17 wells were constructed for irrigation purposes. Thirteen of the wells were constructed for domestic use; the remaining 4 wells were constructed for cathodic protection (Attachment A).

Production ranged from zero (i.e., dry well) to 85 gallons per minute (gpm). Production from these wells is likely limited by well construction (i.e., none of the wells appear to have been constructed for higher production rates).

In general, lithologic logs in these drillers' reports describe interbedded sand, silt, and clay and/or basalt. Wells in the immediate vicinity of the proposed place of use (Wells 6, 10, and 13 – see Figure 3 and Attachment A) describe silty sand or clay sediments to a depth of approximately 100 feet, underlain by interbedded layers of basalt (described as "lava" or "broken lava") and sand or clay sediments. Water-producing zones are listed as present in fractured-basalt or cinder zones. The depth to water in these wells ranged from 536 to 575 feet below ground surface at the time of construction.

Groundwater flow in aquifers underlying the proposed place of use is generally in a northwest direction toward the Snake River (Figure 5). The proposed place of use falls into the Trust Area boundary defined under IDAPA 37.03.08. However, under IDAPA 37.03.08.45.02(a), the proposed irrigation of 200 acres or less "is presumed to not reduce the flow at Murphy Gauge by more than two (2) acre-feet per day" and therefore not presumed to "cause a significant reduction."

Recharge occurs as (1) infiltration from precipitation in highlands south of the proposed project site, (2) infiltration from stream seepage, and/or (3) infiltration from limited up-gradient irrigation. Regional aquifer discharge occurs as seepage into the Snake River (and tributaries to the Snake River) and pumping from wells.

Groundwater Levels

There are no wells in the immediate vicinity of the proposed place of use for which publicly-available water-level data are available. On a more regional scale, locations of wells with in Townships 06S10E, 06S11W, 06S12W, 07S10E, 07S11W, and 07S12W with at least 6 publicly-available groundwater-level data¹ are shown in Figure 7. Of these, only 3 wells have data collected since 1987 (Figure 8). Each of these 3 wells show relatively stable water-level trends in recent years (Figure 8).

¹ IDWR data, courtesy of Dennis Owsley, IDWR.

Summary

1. Application for Permit 51-13106 requests authorization to divert 4.0 cfs of groundwater for the irrigation of 200 acres.
2. IDWR's standard consumptive use and headgate delivery volume in the vicinity of the proposed place of use is 3.0 and 4.0 feet/acre, respectively.
3. Geologic materials in the vicinity of the proposed points of diversion include Idaho Group lacustrine sediments underlain by Pliocene-or Miocene-age basalts.
4. Depth to groundwater in the proposed wells will likely be between 500 and 600 feet; wells authorized under this application could extend to a depth of 1,200 feet.
5. Water-producing zones will likely be found in fractured basalt and/or cinder zones.
6. Local groundwater-level data are unavailable. Water-level data from more distant wells indicate stable groundwater levels.
7. Local well and aquifer capacity is uncertain because of the few available data in this area.
8. The best way to confirm local aquifer capacity is to begin the proposed pumping while monitoring seasonal groundwater-level responses.

References

- Bond, J.G., Wood, C.H., 1978. Geologic map of Idaho. Idaho Department of Lands, Bureau of Mines and Geology, 1:500,000 scale.
- Lewis, R.S., Link, P.K., Stanford, L.R., Long, S.P., 2012. Geologic Map of Idaho. Idaho Geologic Survey, scale: 1:750,000.
- Lindholm, G.F., Garbedian, S.P., Newton, G.D., Whitehead, R.L., 1988. Configuration of the Water Table and Depth to Water, Spring 1980, Water-Level Fluctuations, and Water Movement in the Snake River Plain Regional Aquifer System, Idaho and Eastern Oregon., U.S. Geologic Survey Hydrologic Investigations.

Figures

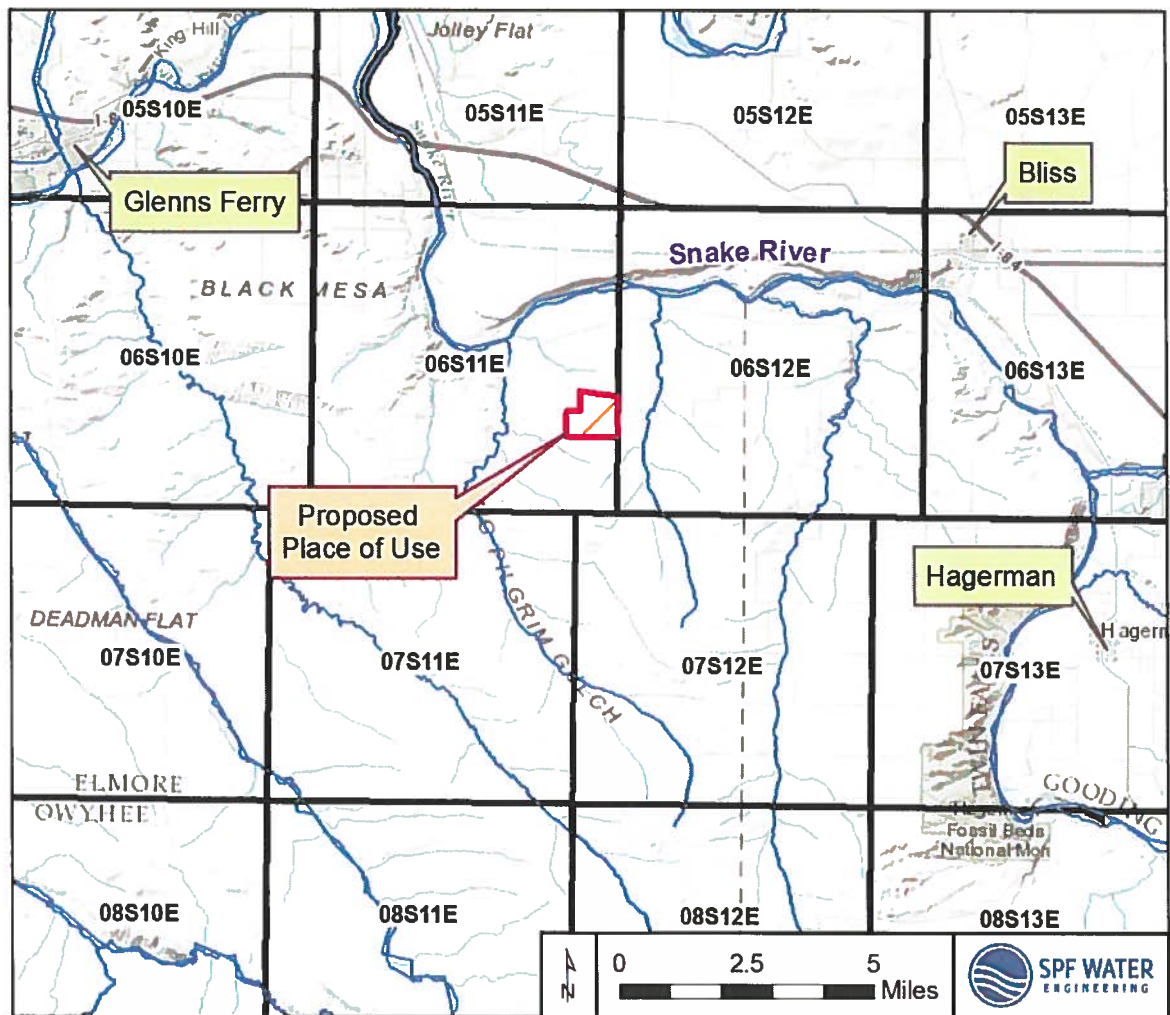


Figure 1. Location map.

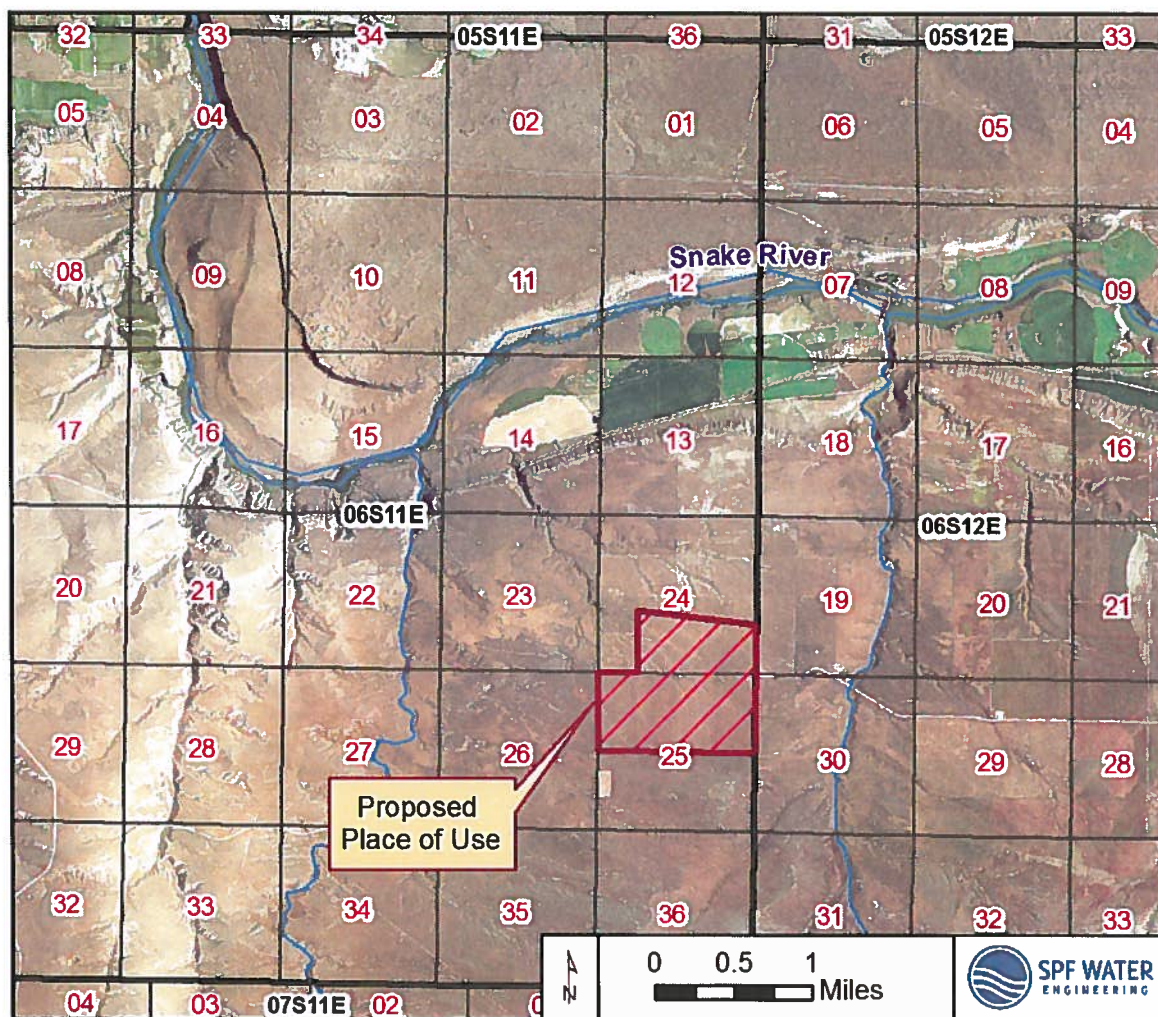


Figure 2. Vicinity map.

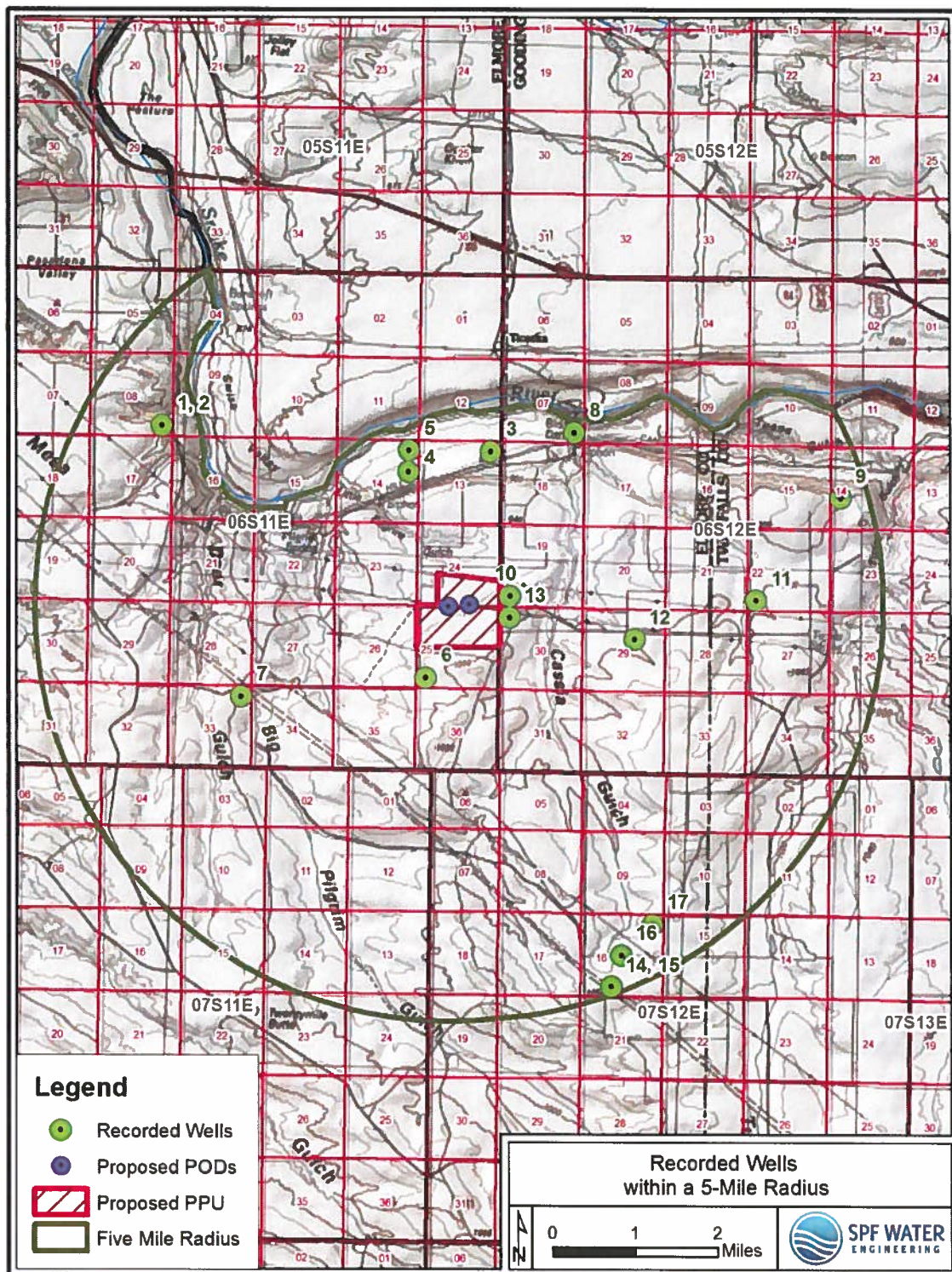
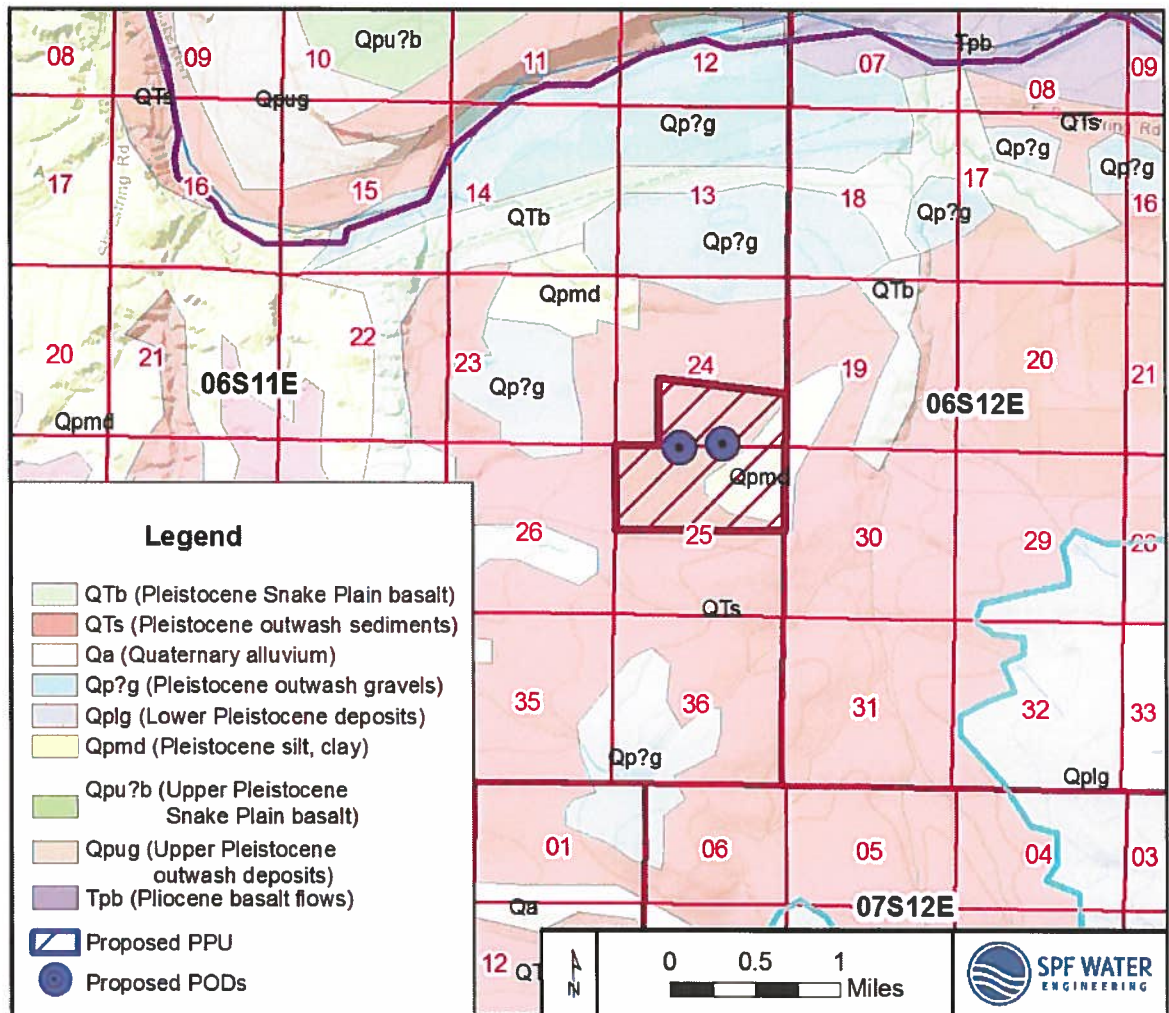


Figure 3. Recorded wells in the vicinity of the proposed place of use.



Source: Idaho Geographic Survey data, obtained from IDWR.

Figure 4. Surficial geology.

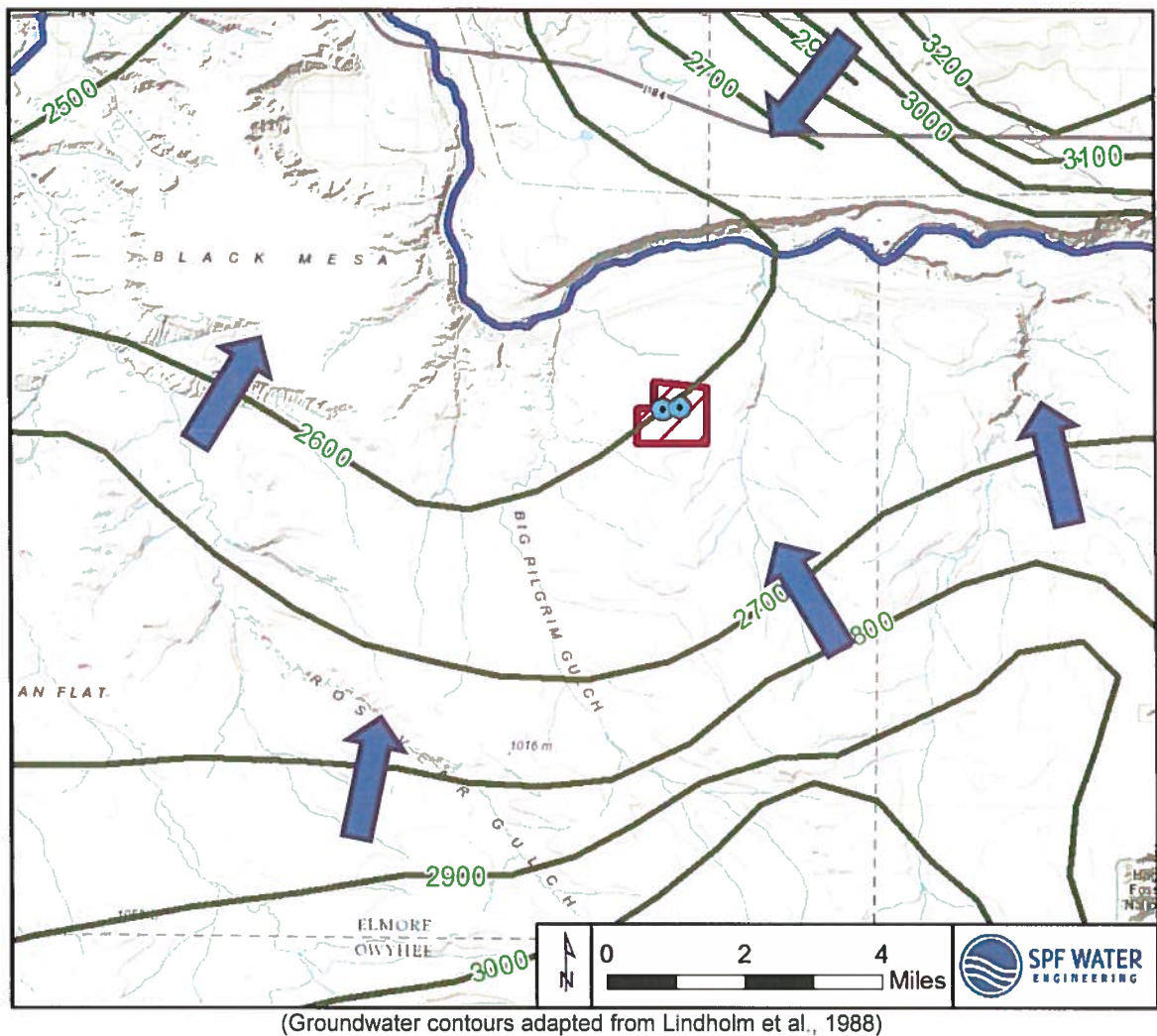


Figure 5. Groundwater flow direction.

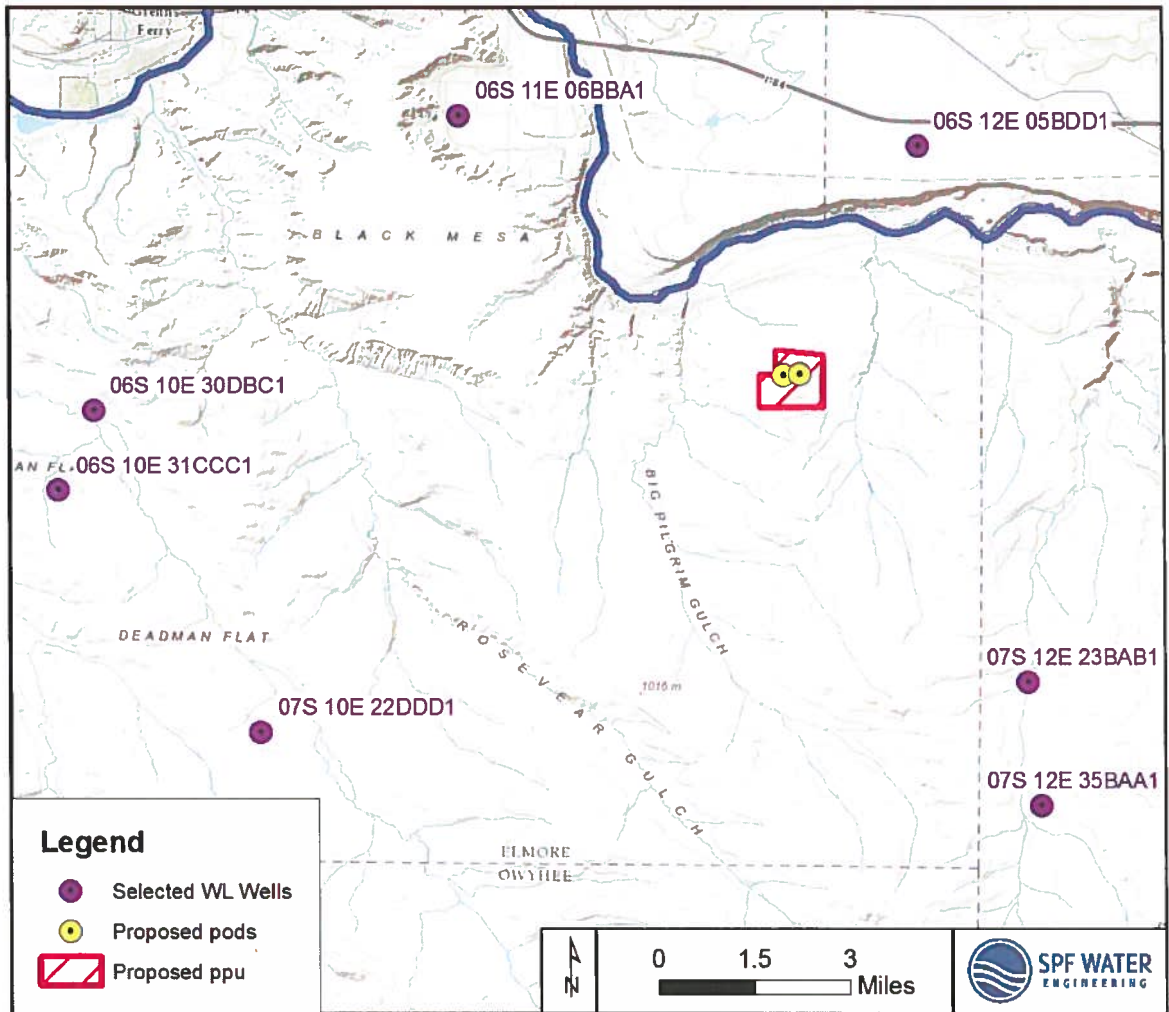


Figure 6. Map showing the locations of wells with groundwater-level data.

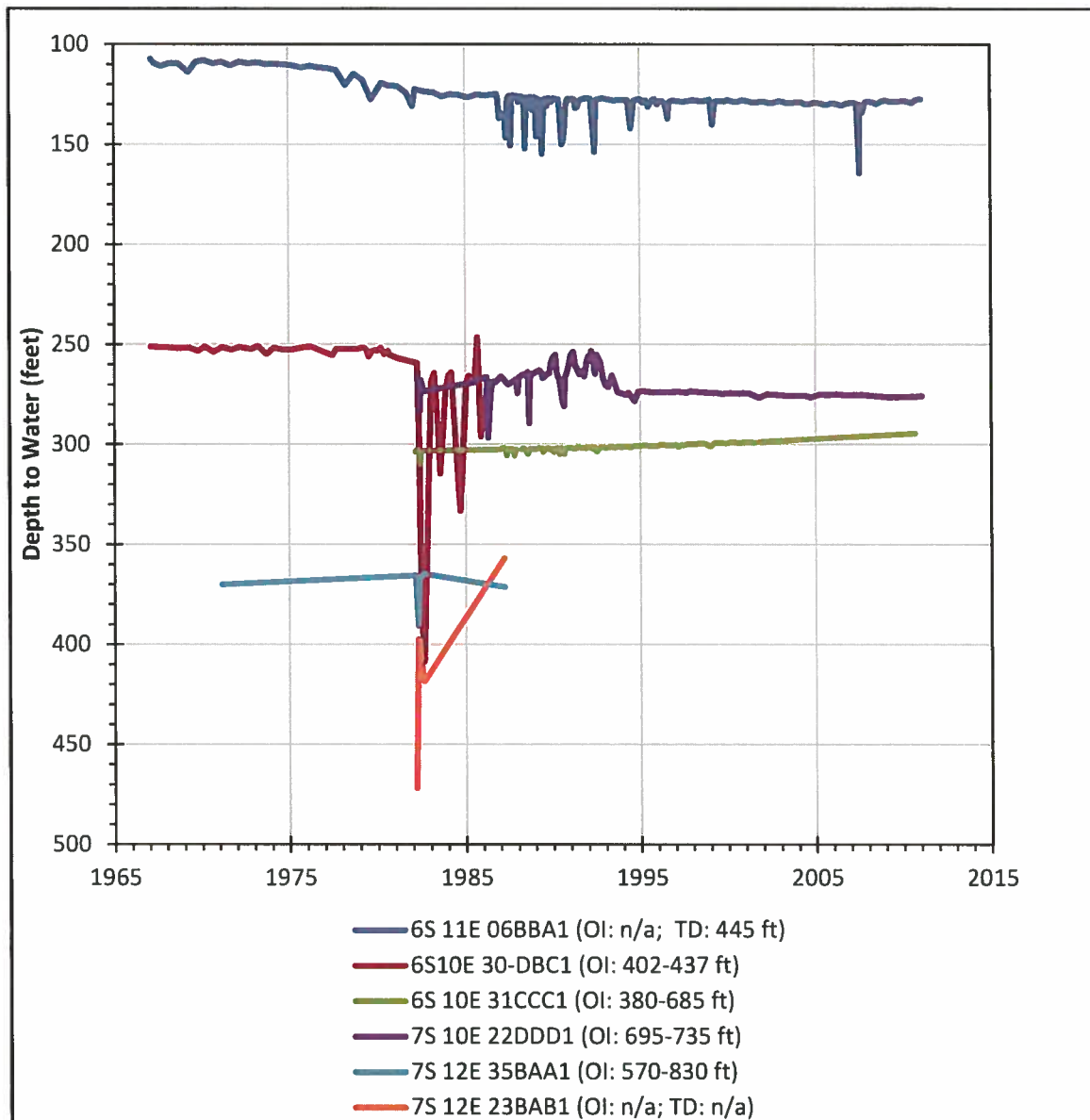


Figure 7. Groundwater-level trends.

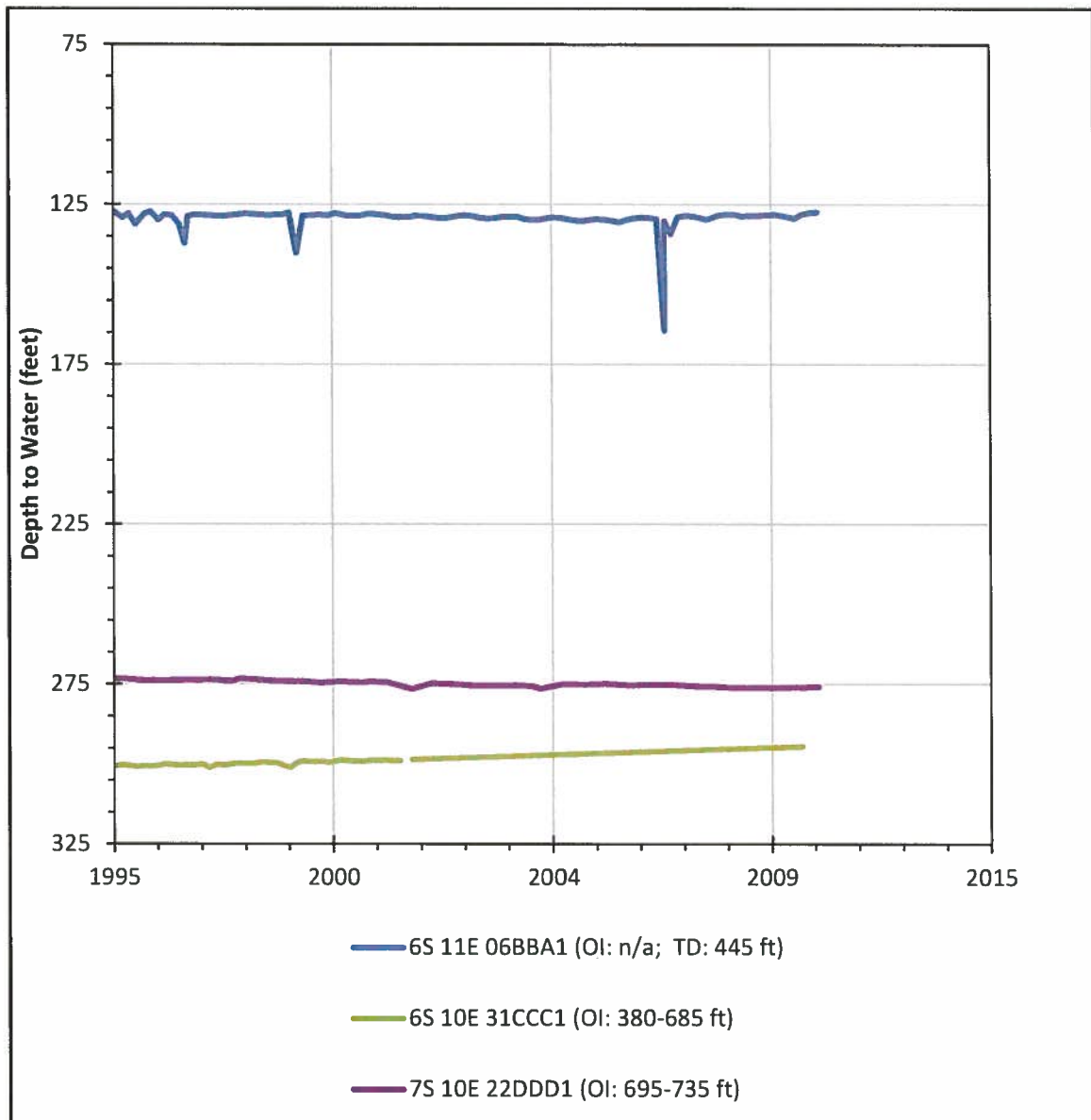


Figure 8. Recent groundwater-level trends.

Attachment A: Drillers' Reports

Wells in Vicinity of Proposed Place of Use													
Map No.	Contact	Const. Date	Total Depth	Address	Drilling Co.	Twp	Rng	Sec	Tract	Use	Csg. Dia.	GPM	Static
1	SNAKE RIVER VIEW RANCHES INC	5/18/1992	499	SHOESTRING RD SE/PASADENA VAL	ARTESIAN CO	06S	11E	8	SESE	Domestic	8	14	113
2	SYDNEY LANSING	3/24/1969	305		WRIGHT WELL DRILLING	06S	11E	8	SESE	Domestic	8	u/k	93
3	GREG HAFER	9/1/1976	340		HIDDLESTON DRILLING & PUMP	06S	11E	13	NENE	Domestic	6	20	165
4	BLAIR HALL	2/12/1992	301	110 W. 240 S.	EATON DRILLING & PUMP SERVICE	06S	11E	14	SENE	Abandoned	6	u/k	198
5	BLAIR HALL	10/23/2001	325	110 W. 2040 S. SHOE STRING RD	EATON DRILLING & PUMP SERVICE	06S	11E	14	NENE	Domestic	8	40	198
6	ALLEN R THOMPSON	1/29/2003	1060	DEER GULCH	HIDDLESTON DRILLING & PUMP	06S	11E	25	SWSW	Domestic	6	15	575
Wrong Range	BURL COLE	2/4/1985	155		EATON DRILLING & PUMP SERVICE	06S	11E	30	SWSE	Domestic	6	u/k	72
7	WILLIAMS NORTHWEST PIPELINE	6/19/2006	530	1.2 M DOWN DEER GULCH RD ON RIGHT	HIDDLESTON DRILLING & PUMP	06S	11E	33	NENE	Cathodic Prot.	10	u/k	
8	NEIL WEIR	6/14/1975	260		ELSING DRILLING & PUMP CO INC	06S	12E	7	SESE	Domestic	6	19	60
Wrong Range	FRANK ALLEY	4/6/1999	125	212 EAST 2000 SOUTH	EATON DRILLING & PUMP SERVICE	06S	12E	8	SWSE	Domestic	6	85	52
9	HANEY SEED CO	6/25/1982	180		EATON DRILLING & PUMP SERVICE	06S	12E	14	NWSW	Domestic	6	u/k	72

Wells in Vicinity of Proposed Place of Use													
Map No.	Contact	Const. Date	Total Depth	Address	Drilling Co.	Twp	Rng	Sec	Tract	Use	Csg. Dia.	GPM	Static
10	JUAN GUTIRREZ/HALF MOON RANCH	3/21/2011	615		HIDDLESTON DRILLING & PUMP	06S	12E	19	SWSW	Domestic	6	u/k	536
11	DAVE POHL	6/17/1981	260	Bliss	EATON DRILLING & PUMP SERVICE	06S	12E	22	SWSW	Domestic	6		No Water
12	DONALD K BRANDT	8/6/1974	704		SMITH DRILLING & PUMP CO INC	06S	12E	29	SWNE	Domestic	6	u/k	624
13	CLYDE R KEITHLY	6/28/1974	600		SMITH DRILLING & PUMP CO INC	06S	12E	30	NWNW	Domestic	6	u/k	545
14	CHEVRON PIPE LINE CO	11/14/1986	310		ANDREW WELL DRILLING SERVICES INC	07S	12E	16	SESW	Anode Bed	8		dry
15	NORTHWEST PIPELINE CORP	8/5/1993	510		HIDDLESTON DRILLING & PUMP	07S	12E	16	SESW	Cathodic Prot.	8		
16	EL PASO NATURAL GAS CO	8/1/1966	500		WALKER WATER SYSTEMS INC	07S	12E	16	u/k	Not a water well	10		dry
17	G T NECOMB	4/5/1974	637		ELSING DRILLING & PUMP CO INC	07S	12E	16	NENE	Domestic	6	u/k	507

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PEN

Well 1

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 Snake River View Ranches, Inc.P.O. Box 6888
Address Boise, ID 83707Drilling Permit No. 51-92-W-001-100

Water Right Permit No. _____

2. NATURE OF WORK

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

3. PROPOSED USE

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

4. METHOD DRILLED

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

5. WELL CONSTRUCTION --*Casing schedule: ☒ Steel ☐ Concrete ☒ Other PVC Liner

Thickness	Diameter	From	To
0.250 inches	6.625 inches	3.7 feet	294.1 feet
0.250 inches	8.625 inches	2.7 feet	63.6* feet
0.258 inches	5.563 inches	274.0 feet	442.4 feet
0.214 inches	4.50 PVC inches	430.7 feet	490.2 feet

Was casing drive shoe used? ☒ Yes ☒ No See orig log
Was a packer or seal used? ☐ Yes ☒ No NOT ON THE LINERS.
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inches

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

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

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

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

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

Placed from _____ feet to _____ feet

Surface seal depth * _____ Material used in seal: ☐ Cement grout☐ Bentonite ☒ Puddling claySealing procedure used: ☐ Slurry pit ☐ Test to seal depth☐ Cement to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent☐ Cemented between strataDescribe access port Full 6" access by Department of Water Resources
half of well cap.**7. WATER LEVEL**Static water level 113.2 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

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

Controlled by: ☐ Valve ☐ Cap ☐ PlugTemperature 63 °F. Quality Good.

Describe artesian or temperature zones below.

8. WELL TEST DATA☒ Pump ☐ Bailor ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
14.0	113.2	0
12.6	177.75	7 Hours

9. LITHOLOGIC LOG

87322

Bore Diam.	Depth From	To	Material	Water Yes No
6"	247	448		
5"	448	490		
4"	490	498.6		
	247	294	Clean out Heave, Silty Fine Sand	
			Brown	x
			I cut off a total of 4.35 ft of the 8 5/8" surface casing and welded shut the annulus between the eight inch casing and the six inch casing.	
			ADDED 16.73 ft to the SIX INCH casing.	
	294	323	Clay, Grey, Sticky	x
	323	324	Sand, Grey, Fine, Silty	x
	324	328	Clay, Grey, Sticky	x
	328	328	Sand Streak	x
	328	347	Clay, Grey	x
	347	352	Sand, Grey, Salt & Pepper Color	x
	352	379	Clay, Grey	x
	379	381	Sand, Fine, Silty	x
	381	385	Clay, Grey	x
	385	391	Sand, Fine, Silty	x
	391	395	Clay, Sandy, Grey	x
	395	405	Sand, Clayey, Grey	x
	405	422	Sand, Silty, Grey	x
	422	432	Clay, Grey	x
	432	436	Sand, Silty, Grey	x
	436	437	Sand, Cleaner	x
	437	441	Clay, Sandy, Grey	x
	441	442	Sand, Silty, Grey	x
	442	444	Clay, Grey	x
	444	447	Sand, Silty, Black, Poorly sorted	x
	490	490	Clay, Grey	x
	490	498.6	Basalt, Grey, Very Hard & Inbedded throughout with very fine-grained white silica crystals	x

Work started Mar 15, 1992 finished May 18, 1992

DEPTH		MATERIAL	39353	WATER	
FROM	TO			YES	OR NO
FEET	FEET				

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 GREG HAFFER
Address Bliss Idaho
Owner's Permit No. _____

7. WATER LEVEL

Static water level 165 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
<u>80</u>		<u>2</u>

3. PROPOSED USE

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

9. LITHOLOGIC LOG

045344

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	Soil		
8	1	15	Soil Boulders		
8	15	44	GRAY LAVA GRAVEL + GRAY CLAY + RED CINDER		
8	44	51	BLACK LAVA + GRAY SHALE		
8 1/2	51	64	GRAY LAVA BOLLER PERFORATOR GRAY CLAY		
6	64	67	GRAY CLAY		
6	67	79	GRAY LAVA BOLLER + RED CINDER		
	79	97	GRAY LAVA + CINDER + CLAY		
	97	110	BLACK LAVA + GREEN SHALE		
	110	112	BROWN CINDER		
	112	125	BROWN LAVA		
	125	134	GRAY LAVA		
	134	138	BLACK LAVA + BROWN LAVA		
	138	155	BLACK LAVA + GREEN SHALE		
	155	157	BROWN LAVA + CINDER		
	157	162	GRAY + BROWN LAVA + GREEN SHALE		
	162	171	GRAY LAVA		
	171	179	BLACK LAVA BROWN CINDER + GREEN SHALE		
	179	191	RED CINDER + WATER TANK + CLAY		
	191	218	BLACK LAVA + RED CINDER		
	218	241	BLACK + BROWN LAVA RED CINDER GREEN SHALE		
	241	243	RED CINDER		
	243	274	BLACK + BROWN LAVA RED CINDER + GREEN SHALE		
	274	290	BLACK LAVA + RED CINDER		
	290	317	BLACK + BROWN LAVA + SOME CLAY + CINDER		
	317	340	BLACK LAVA GREEN SHALE RED CINDER + CLAY		

5. WELL CONSTRUCTION

Diameter of hole 8 1/2 inches Total depth 340 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>8 1/2</u> inches	<u>1</u> feet	<u>43</u> feet
<u>250</u> inches	<u>6 1/2</u> inches	<u>1</u> feet	<u>79</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoes 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 _____ 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 _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feetSurface seal depth 99 Material used in seal ☐ Cement grout
☒ Puddling clay ☐ Well cuttingsSealing procedure used ☐ Slurry pit ☐ Temporary surface casing

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PEN

Well 4

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.

MAR '92

1. WELL OWNER

Name Blair Hall
Address HC 60 Box 1020 Bliss 83114
Drilling Permit No. 51-92-W-002
Water Right Permit No. _____

7. WATER LEVEL

Department of Water Resources
Western Regional OfficeStatic water level 198' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature -25 °F. Quality _____
Describe artesian or temperature zones 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 _____

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

023811

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	1	17	Hard br Soil		X
↑	17	39	br. Sand		
↑	39	50	black Gravel		
↓	50	51	Granite		
6	51	76	Gray Clay		
↑	76	77	Hard black		
↑	77	138	Gray Clay		
↑	138	164	bl. Lava		
↑	164	166	Crevasse		
↑	164	188	bl Lava		
↑	188	194	br. Clay		
↑	194	186	Crevasse + br. Sand	X	X
↑	196	225	bl Lava small breaks	X	
↓	225	278	bl Lava + Quarts + breaks	X	
↓	278	301	bl Lava + Quarts	X	

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>.25</u> inches	<u>6</u> inches	<u>2</u> feet	<u>50</u> 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 ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation _____ inches by _____ inches

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

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

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

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

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

Placed from _____ feet to _____ feet

Surface seal depth 19' Material used in seal: ☐ Cement grout☒ Bentonite ☐ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☐ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strataDescribe access port Sanitary Well Cap

10.

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FEB 28 1992

Department of Water Resources
Southern Regional OfficeRECEIVED
MAR 3 1 1992

Department of Water Resources

WELL DRILLER'S REPORT

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Well 8

7. WATER LEVEL

Static water level 60 feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow

Temperature _____° F. Quality _____

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

Controlled by ☐ Valve ☐ Cap ☐ Plug

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection☐ Cable ☒ Rotary ☐ Dug ☐ Other

Diameter of hole 6 inches Total depth 260 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness		Diameter		From		To	
<u>2.50</u>	inches	<u>6</u>	inches	<u>+</u>	<u>1</u> feet	<u>19</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 19 Material used in seal ☐ Cement grout

☐ Pudding clay ☐ Well cuttingsSealing procedure used ☐ Sherry pit ☐ Temporary surface casing

8. WELL TEST DATA

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.

Draw Down

Hours Pumped

~~045345~~

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
6	0	14	Top Soil		X
	14	32	Med. Grey Lava		X
	32	33	salt ppt.	X	
	33	92	Med Grey Lava		X
	92	103	1/2 Hard Grey Lava		X
	103	199	Clay		
	199	205	Gravel	X	
	205	209	Sand		
	209	240	Med Grey Lava		
	240	249	Hard Grey Lava		
	249	250	Med Grey Lava		

Department of Water Resources

51

Form 238-7
6/07IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

860759

Well 10

1. WELL TAG NO. D 0057962

Drilling Permit No. _____
Water right or injection well # _____

2. OWNER:

Name Juan Gutierrez
Address P.O. Box 154
City Glenns Ferry State ID. Zip 83623

3. WELL LOCATION:

Twp. 6 North ☐ or South ☒ Rge. 12 East ☒ or West ☐
Sec. 30 19 SW 1/4 NW 1/4 SW 1/4Gov't Lot _____ County Elmore
Lat. 42 52.7833 (Deg and Decimal minutes)
Long. -115 5.1667 N side of (Deg and Decimal minutes)Address of Well Site P.O. Box 154, North Bell Rapids Road,
5.6m NE of Old Oregon Trail Hwy City Glenns Ferry
(Give at least name of road - Distance to Road or Landmark)

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

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

5. TYPE OF WORK:

☐ New well ☒ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite #5	0	405'	5900 lbs	Overbore Pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
6 5/8"	+2'	405'	.250	Steel	☒	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 405 feet

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☐ Y ☒ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
-----------	---------	-----------	-----------	--------------------	----------	-------------------

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
-----------------	-----------	---------	------------------------------------	------------------

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 540' Static water level (ft) 536'Water temp. (°F) NA Bottom hole temp. (°F) _____Describe access port Through top of well seal

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
<u>na</u>	<u>na</u>	<u>90</u>	☐	☐	☒	☐
<u>LOST CIRCULATION</u>			☐	☐	☐	☐

Test method:

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10"	0	8'	Topsoil		X
10"	8'	12'	Silty sand		X
10"	12'	26'	Tan clay		X
10"	26'	30'	Gravel		X
10"	30'	91'	Tan clay		X
10"	91'	94'	Blue clay		X
8"	94'	101'	Blue clay		X
8"	101'	127'	Gray lava		X
8"	127'	138'	Gray and brown lava		X
8"	138'	139'	Void		X
8"	139'	153'	Gray and brown lava soft broken up		
			with wateralc		X
8"	153'	156'	Lost circulation		X
8"	156'	207'	Medium broken up		X
8"	207'	254'	Hard broken up		X
8"	254'	265'	Soft		X
8"	265'	276'	Medium		X
8"	276'	402'	Medium soft		X
8"	402'	403'	Hard		X
6"	403'	420'	Gray lava		X
6"	420'	437'	Brown lava		X
6"	437'	442'	Broken up lost circulation		X
6"	442'	509'	Soft		X
6"	509'	515'	Broken up soft		X
6"	515'	607'	Medium	X	
6"	607'	631'	Very soft	X	

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APR 04 2011

WATER RESOURCES

WESTERN REGION

Completed Depth (Measurable) 615 feetDate Started Mar 7, 2011 Date Completed Mar 21, 2011

14. DRILLER'S CERTIFICATION:

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

Company Name Hiddleston Drilling Co. No. 35*Principal Driller [Signature] Date 3/31/2011

*Driller _____ Date _____

*Operator [Signature] Date 4-1-11

Operator i _____ Date _____

* Signature of Principal Driller and rig operator are required.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

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

Well 11

1. WELL OWNER Name <u>Dave Paki</u> Address <u>Bliss</u> Owner's Permit No. <u>37-81-C</u>	7. WATER LEVEL Static water level <u>No water</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 _____																																																				
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____	8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ 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> </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																																																	
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 74108 <table border="1" style="width:100%; border-collapse: collapse;"> <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>8</td> <td>0</td> <td>19</td> <td>Decomposed lava</td> <td> </td> <td>✓</td> </tr> <tr> <td>4</td> <td>19</td> <td>30</td> <td>" "</td> <td> </td> <td>✓</td> </tr> <tr> <td> </td> <td>30</td> <td>90</td> <td>Brwn clay</td> <td> </td> <td>✓</td> </tr> <tr> <td> </td> <td>90</td> <td>140</td> <td>lava sand</td> <td> </td> <td>✓</td> </tr> <tr> <td> </td> <td>140</td> <td>190</td> <td>Blac clay</td> <td> </td> <td>✓</td> </tr> <tr> <td> </td> <td>190</td> <td>200</td> <td>sand</td> <td> </td> <td>✓</td> </tr> <tr> <td> </td> <td>200</td> <td>260</td> <td>clay</td> <td> </td> <td>✓</td> </tr> </tbody> </table>	Hole Diam.	Depth		Material	Water		From	To	Yes	No	8	0	19	Decomposed lava		✓	4	19	30	" "		✓		30	90	Brwn clay		✓		90	140	lava sand		✓		140	190	Blac clay		✓		190	200	sand		✓		200	260	clay		✓
Hole Diam.	Depth		Material	Water																																																	
	From	To		Yes	No																																																
8	0	19	Decomposed lava		✓																																																
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	190	200	sand		✓																																																
	200	260	clay		✓																																																
4. METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____	<i>was well abandoned? (C. 3/8/82)</i> RECEIVED MAY 20 1982 Department of Water Resources Southern District RECEIVED DEC 30 1981 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><u>250</u> inches</td> <td><u>6</u> inches</td> <td><u>1</u> feet</td> <td><u>19</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</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>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</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>19</u> Material used in seal: ☐ Cement grout ☒ Well cuttings ☐ 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 <u>?</u>	Thickness	Diameter	From	To	<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>19</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	10. Work started <u>JUNE 14</u> finished <u>JULY 17 81</u>																				
Thickness	Diameter	From	To																																																		
<u>250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>19</u> feet																																																		
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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 Don BRANDT

Address _____

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 704 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
.258 inches	8 5/8 OD	-4 feet	-104 feet
.250 inches	6 6/8 OD	+1 feet	-511 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

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

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

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

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

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

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 104 Material used in seal ☐ Cement grout6 & 8" Casing Welded Together ☒ Puddling clay ☒ Well cuttingsSealing procedure used ☐ Sherry pit ☐ Temporary surface casing

7. WATER LEVEL

Static water level 624 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

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

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

NONE

☐ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
_____	_____	_____
_____	_____	_____
_____	_____	_____

9. LITHOLOGIC LOG

045347

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	31	Yellow Top Soil		X
	31	71	Yellow Clay		
	71	91	Fine Sand w/gravel & Rock		
	91	111	Broken Rock some hard strips		
	111	137	Hard Gray Lava		
	137	151	Broken Lava w/Red Clay		
	151	165	Gray Hard Lava w/Broken spots		
	165	167	Porous		
	167	171	Clay w/Broken rock		
	171	173	Gray Lava w/broken spots		
	173	211	Green Rock & clay w/broken spots		
	211	219	Gray Med Hard		
	219	240	Gray Broken Rock, clay w/hard spots		
	240	251	Hard Gray Lava		
	251	271	Black Clay		
	271	291	Clay & Broken Rock		
	291	299	Blackish-gray Lava w/hard spots		
	299	331	Gray Med Hard		
	331	366	Med Hard Brown w/soft spots		
	366	371	Hard		
	371	381	Brown Med Hard w/Broken spots		
	381	431	Hard Gray Lava		
	431	491	Brown Clay-Med Hard spots		
8	491	511	Med Hard		
6	511	520	Broken w/brown clay strips		
	520	540	Broken Rock w/green clay streaks		
	540	560	Lost Return		
	560	580	Broken Spots		
	580	595	Brown Lava w/broken spots		
	595	600	Pink Porous		X
	600	642	Brown w/broken spots Some	X	
	642	652	Green & Gray w/soft spots	X	
	652	662	Gray w/soft spots	X	
	662	682	Broken Spots w/med Hard spots	X	
	682	690	Gray-Blue Hard w/seams	X	
	690	704	Broken spots	X	

WELL DRILLER'S REPORT

JUL 15 1974 Well 13

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 Administration

Southern District Office

1. WELL OWNER

Name Clyde KEITHLEYAddress kRoute 2, Nampa, 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 600 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>.250</u> inches	<u>6 5/8 OD</u> inches	<u>+ 1</u> feet	<u>-360</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was 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 ☒ No

Manufacturer's name _____

Type _____ Model No. _____

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

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

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal ☐ Cement grout☒ Puddling clay ☐ Well cuttingsSealing procedure used ☐ Slurry pit ☐ Temporary surface casing

7. WATER LEVEL

Static water level 545 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

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

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailor ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
_____	_____	_____
_____	_____	_____
_____	_____	_____

9. LITHOLOGIC LOG

045346

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
10	0	11	Top Soil		X
	11	31	Light Sandy Soil		
10/8	31	51	Hard Yellow Clay		
8	51	71	Yellow Clay		
	71	91	Soft Brown Clay		
	91	101	Blue Clay		
	101	131	Hard Gray Basalt small breaks		
	131	151	Gray Basalt		
	151	171	Gray Basalt Broken Lost return		
	171	181	Broken Rock		
	181	206	Hard Rock w/broken spots th		
	206	236	Hard Gray Lava		
	236	256	Med Soft Gray Lava		
	256	266	Blue Clay		
	266	281	Soft Brown Clay		
	281	286	Hard Brown Clay		
	286	316	Brown clay w/rock spots		
	316	326	Brown Clay Harder		
	326	351	Hard Gray Lava		
	351	354	Crevices		
	354	366	Hard Gray Lava		
	366	438	Hard Brown Lava		
	438	441	Crevices Lost Return		
	441	474	Broken Rock		
	474	475	Crevices		
	475	491	Broken Rock		
	491	501	Hard Rock		X
	501	521	Broken Rock	X	
	521	541	Hard Rock		X
	541	581	Broken Rock	X	
	581	600	Broken Rock Hard Straps	X	

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESUSE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

Well 14

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 MP 245 Hagerman, Idaho

Name Chevron Pipeline Company
P.O. Box 25117
Address Salt Lake City, Utah 84125-0117
Owner's Permit No. _____

7. WATER LEVEL

Static water level Dry 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

86760

3. PROPOSED USE

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

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	5	Soil		X
8	5	65	Clay & shale brown		X
8	65	73	Gummy clay green		X
8	73	118	Shale & clay green		X
8	118	130	Soft sandstone		X
8	130	136	Gummy clay		X
8	136	150	Sandstone		X
8	150	173	Gummy clay		X
8	173	180	Sand loose		X
8	180	188	Sand		X
8	188	277	Gummy clay		X
8	277	302	Black basalt rim		X
8	302	310	Brown basalt rim		X

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness Diameter From To
.250 inches 8 inches + 1 feet 39'8" feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas 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 40 Material used in seal: ☒ Cement grout☐ Bentonite ☐ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☐ Welded ☐ Solvent5X5'X1' Concrete pad at surface. Weld☐ Cemented between strata

Describe access port _____

10.

Work started 11/5/86 finished 11/14/86RECEIVED
MAR 2 1987Department of Water Resources
Eastern District OfficeRECEIVED
MAR 05 1987

Department of Water Resources

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

Well 15

1. DRILLING PERMIT NO. 51 - 93 - W - 003 - 000
Other IDWR No _____

2. OWNER:

Name NORTHWEST PIPELINE CORP
Address P.O. BOX 5800 295 CHIPETA WAY
City SALT LAKE CITY State UT Zip 84158

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location

T 7 North ☐ or South ☒
 R 12 East ☒ or West ☐
 Sec 16 $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$
 Gov't Lot _____ County ELMORE

Address of Well Site

(Give at least Direction + Distance to Road or Landmark)

LoI No		Block No		Subd Name	
--------	--	----------	--	-----------	--

4. PROPOSED USE:

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

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	40	3 SACKS	OVERBORE

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

8. CASING/LINER:

Diameter	From	To	Gauge	Casting	Uner	Steel	Plastic	Welded	Threaded
8"	+1	179	SCH	40		☐	☒	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐
						☐	☐	☐	☐

Final location of shoes NA

Top Packer or Headpipe	NA	Bottom Tailpipe	NA
------------------------	----	-----------------	----

9. PERFORATIONS/SCREENS

☐ Perforations Method NA

☐ Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tel./Pipe Size	Casting	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐

10. WELL TESTS: NA

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Depth	Time

Temperature of water _____ Was a water analysis done? Yes ☐ No ☐

By whom? _____

Water Quality (odor etc.) _____

Bottom Hole Temperature

11. STATIC WATER LEVEL:

0 ft. below surface Depth artesian flow found

Artesian pressure lb. Describe access port

Describe Controlling Devices:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

[illegible]

13. DRILLER'S CERTIFICATION

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

Firm Name HIDDLESTON DRILLING Firm No. 35

Firm Official Kew A. Oak Date _____

and
Supervisor or Operator Edie Miller Date 8-6-93

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

This is Not a Water Well 048712
**WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO**

Well 16

RECEIVED

MAR 13 1967

SUBMIT WITHIN 30 DAYS AFTER COMPLETION OF WELL: SEE IDAHO STATUTES 42-238
Department of Reclamation

Permit No. _____ Well No. _____ County Elmore
Owner El Paso National Gas Co.
Address Box 1526 Salt Lake City Utah
Driller _____

Locate well in section

NW 1/4	NE 1/4
Sec. _____	
SW 1/4	SE 1/4

Address _____
Well location _____ 1/4 _____ 1/4 Sec. 16, T. 7 N. 12 E. W

Size of drilled hole 10 in to 3.5 ft 8 in
on to 500 Total depth of well 500

Give depth to standing water from the ground 0 Water temp. _____ °Fahr.

Test delivery was _____ g.p.m. or _____ c.f.s. Drawdown was _____ feet. Pump? _____ Bail? _____

Size of pump and meter 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 _____ Weight of casing per lineal foot _____

Thickness of casing 1/4 Casing material Steel
(STEEL, CONCRETE, WOOD, ETC.)

Diameter, length and location of casing 2.75 ft 10 in 200 ft 8
(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	0	2.75	2.75	
8	300	500	200	8" Casing was Parted under ground Shearing 200 ft between 300 + 500 ft

Number and size of perforations None located _____ feet to _____ feet from ground

Date of commencement of well 15 Jan 66 Date of completion of well 1 Aug 66

S. 16 T. 5 N. E. 12 E USGS

WELL LOG

From Foot	To Foot	Type of Material	Water-bearing Formation Ann. Year or No	Casing Perforated Ann. Year or No
0	75	Surface + Clay		
75	95	Sand + small gravel, casing required		
95	133	Clay		
133	138	Sand		
138	215	Tan Clay		
215	233	Blue Clay		
233	255	Sand		
255	272	Clay + Sand		
272	315	BLACK LAVA - Hard		
315	325	Tan Clay		
325	370	Clay		
370	380	Clay		
380	470	Brown Clay		
470	496	Green Clay		
496	500	Black Sand - Could be Solid Lava at 500		
		Dry Hole		
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

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

Signed Eugene J. Walker
By _____

Dated _____, 19____

License No. 15
Well Driller's Helper William Chas

[illegible]



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

January 2, 2014

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

HALF MOON LLC
C/O ATTN LORI GRAVES
SPF WATER ENGINEERING
300 E MALLARD DR SUITE 350
BOISE ID 83706

Re: Application for Permit No. 51-13106 – Half Moon, LLC

Dear Lori:

Your client's recent application for permit regarding ground water is being processed. IDWR has very limited data regarding hydrology and aquifer characteristics of proposed project area. Section 42-203A, *Idaho Code*, requires IDWR to consider certain criteria in processing new water right applications. On a case-specific basis, the applicant must provide IDWR with sufficient evidence to address some or all of the following criteria:

1. effect on existing water rights
2. sufficiency of water supply
3. good faith, delay or speculative purposes
4. financial resources
5. local public interest.

For this proposal, IDWR is requesting you submit only additional information regarding sufficiency of water supply as described in Water Appropriation Rule 40, Rule Subsection 040.05d (see enclosure).

Please submit the requested information for application processing to continue. You may seek additional time to provide the information if necessary. Your written response is needed within the next ninety (90) days. The application will be voided without a timely written reply. Refunds are not available for voided applications.

Please contact me at 208-334-2190 if you need more information. Thank you for your attention to these matters.

Sincerely,

Angela M. Grimm, P.G.
Water Resource Agent, Sr.

Enclosure

Water Appropriation Rules 40.05.c through 40.05.g

c. Information relative to the effect on existing water rights, Section 42-203A(5)(a), Idaho Code, shall be submitted as follows:

i. For applications appropriating springs or surface streams with five (5) or fewer existing users, either the identification number, or the name and address of the user, and the location of the point of diversion and nature of use for each existing water right shall be submitted.

ii. For applications appropriating groundwater, a plat shall be submitted locating the proposed well relative to all existing wells and springs and permitted wells within a one-half mile radius of the proposed well.

iii. Information shall be submitted concerning any design, construction, or operation techniques which will be employed to eliminate or reduce the impact on other water rights.

d. Information relative to sufficiency of water supply, Section 42-203A(5)(b), Idaho Code, shall be submitted as follows:

i. Information shall be submitted on the water requirements of the proposed project, including, but not limited to, the required diversion rate during the peak use period and the average use period, the volume to be diverted per year, the period of year that water is required, and the volume of water that will be consumptively used per year.

ii. Information shall be submitted on the quantity of water available from the source applied for, including, but not limited to, information concerning flow rates for surface water sources available during periods of peak and average project water demand, information concerning the properties of the aquifers that water is to be taken from for groundwater sources, and information on other sources of supply that may be used to supplement the applied for water source.

e. Information relative to good faith, delay, or speculative purposes of the applicant, Section 42-203A(5)(c), Idaho Code, shall be submitted as follows:

i. The applicant shall submit copies of deeds, leases, easements or applications for rights-of-way from federal or state agencies documenting a possessory interest in the lands necessary for all project facilities and the place of use or if such interest can be obtained by eminent domain proceedings the applicant must show that appropriate actions are being taken to obtain the interest. Applicants for hydropower uses shall also submit information required to demonstrate compliance with Sections 42-205 and 42-206, Idaho Code.

ii. The applicant shall submit copies of applications for other needed permits, licenses and approvals, and must keep the department apprised of the status of the applications and any subsequent approvals or denials.

f. Information Relative to Financial Resources, Section 42-203A(5)(d), Idaho Code, shall be submitted as follows:

i. The applicant shall submit a current financial statement certified to show the accuracy of the information contained therein, or a financial commitment letter along with the financial statement of the lender or other evidence to show that it is reasonably probable that financing will be available to appropriate the water and apply it to the beneficial use proposed.

ii. The applicant shall submit plans and specifications along with estimated construction costs for the project works. The plans shall be definite enough to allow for determination of project impacts and implications.

g. Information Relative to Conflict with the Local Public Interest, Section 42-203A(5)(e), Idaho Code, shall be submitted as follows:

The applicant shall seek comment and shall submit all letters of comment on the effects of the construction and operation of the proposed project from the governing body of the city and/or county and tribal reservation within which the point of diversion and place of use are located, the Idaho Department of Fish and Game, the Idaho Department of Environmental Quality, and any irrigation district or canal company within which the proposed project is located and from other entities as determined by the director.



SPF WATER
ENGINEERING

September 26, 2013

RECEIVED

SEP 27 2013

WATER RESOURCES
WESTERN REGION

Steve Lester
IDWR Western Region Office
2735 Airport Way
Boise, ID 83705

Subject: Application for Permit

Dear Steve,

Enclosed on behalf of Half Moon, LLC, is an *Application for Permit* proposing diversion of ground water for irrigation of 200 acres in Elmore County. The proposed irrigation is located within the Trust Water Area, however irrigation has been limited to an amount presumed not to reduce Snake River flows at Murphy Gauge by more than two (2) acre-feet per day.

Check No. 8019 for \$370 is enclosed for the filing fee. Thank you very much for your consideration and assistance in this matter. Please call me if you have any questions.

Sincerely,

Lori Graves
Water Rights Specialist

Cc: Jim Chambers

Enclosures

SPF file number: 989.0010