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FORM 202 03/10 Print form as a 2 page, single-sided document

AUG 13 2013

WATER RESOURCES
WESTERN REGION

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

Ident. No. 57-11840

1. Name of applicant(s) Rohl Hipwell Phone 208-834-2431
Name connector (check one): ☐ and ☐ or ☐ and/or

Mailing address: 18125 Oreana Loop Rd. City Oreana
State ID Zip 83650 Email: Fhgrammie.56@gmail.com

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 #
4S	1W	25				NE NE	Owyhee	ground water	
4S	1W	25				NW NE	Owyhee	ground water	

4. Water will be used for the following purposes:
Amount 0.50 for irrigation purposes from 3/1 to 11/15 (both dates inclusive)
(cfs or acre-feet per year)
Amount 0.05 for stockwater purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)
Amount 0.04 for domestic purposes from 1/1 to 12/31 (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) 0.59 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. Well, pump, sprinklers & stock tank for cattle

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 8 inches; proposed depth of well is 300 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. 200 hd range cattle

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households 1 home w/ lawn (in addition to 25 acres)

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	
4S	1W	25		15			10												25
4S	1W	25	S	S		S	S												
4S	1W	25		D															

Total number of acres to be irrigated: 25

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? 57-11595 - different well

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. _____
- _____
- _____
- _____
- _____

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.

X Kahl Hipwell

Signature of Applicant

Signature of Applicant

X Kahl Hipwell

Print Name (and title, if applicable)

Print Name (and title, if applicable)

For Department Use:

Received by KW Date 8-13-2013 Time 11:00 Preliminary check by LM

Fee \$ 250.00 Received by MG Receipt No. W04K29 Date 8/13/13

State of Idaho
Department of Water Resources

Water Right

MAP of Proposed area.

IRRIGATION

The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Quarter Quarters
- Taxlots

0 0.175 0.35 0.7 Miles

Map produced on May 01, 2013

57-11240

Sommer, Rachel

From: Sommer, Rachel
Sent: Wednesday, February 26, 2014 10:48 AM
To: 'JENNIFER@OWYHEEAVALANCHE.COM'
Subject: Owyhee Legal Ad
Attachments: Owyhee Cover Letter.docx; Owyhee Legal Ad.docx

Good Morning Jennifer Stutheit,

Please see the attached ad for publication on 3/5/2014 & 3/12/2014.

Please confirm these are okay to publish as shown.

Thank you very much,

Rachel Sommer

Administrative Assistant
IDWR, Western Region
Office: 208-334-2190
Fax: 208-334-2348
rachel.sommer@idwr.idaho.gov

February 26, 2014

LEGAL NOTICE DEPARTMENT
OWYHEE AVALANCHE
PO BOX 97
HOMEDALE, ID 83628

RE: Application for Permit No. 57-11840

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 3/24/2014. 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:

57-11840

ROHL HIPWELL

18125 OREANA LOOP RD

OREANA, ID 83650

Points of Diversion NENE NWNE S25 T04S R01W OWYHEE County Source GROUND WATER

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: IRRIGATION 03/01 to 11/15 0.5 CFS

Use: STOCKWATER 01/01 to 12/31 0.05 CFS

Total Diversion: 0.59 CFS

Date Filed: 8/13/2013

Place of Use: IRRIGATION

T04S R01W S25 NWNE NENW

Place of Use: STOCKWATER

T04S R01W S25 NENE NWNE SENE NENW

Place of Use: DOMESTIC

T04S R01W S25 NWNE

Total Acres: 25

Stockwater use is for 200 head range cattle.

Domestic use is for 1 home and irrigation of up to 0.5 acre.

Water bearing zone to be appropriated is from 100 to 300 feet.

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 3/24/2014. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 3/5/2014 and 3/12/2014



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FEB 13 2014

WATER RESOURCES
WESTERN REGION

February 11, 2014

Vicki Music
Senior Water Resources Agent
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082

Subject: Application for Permit No. 57-11840 – Hipwell

Dear Vicki:

In response to your letter to Rohl Hipwell dated January 16, 2014, this letter provides additional information related to sufficiency of groundwater in the vicinity of the points of diversion proposed by application for permit No. 57-11840.

Application for permit 57-11840 proposes diversion of up to 0.50 cfs for irrigation of up to 25 acres, 0.05 cfs for stockwater, and 0.04 cfs for domestic use, with a total diversion rate of 0.59 cfs (265 gpm). Two alternative points of diversion (PODs) are proposed for one well; both PODs are located within the north half of the northeast quarter of Section 25, Township 4 South, Range 1 West, Owyhee County, Idaho. The irrigation proposed will supplement irrigation currently provided to the same lands under water right 57-11595.

Your letter asked for the proposed water-bearing zone along with information to demonstrate there is sufficient ground water available for the proposed appropriation, and how, if approved, injury to senior ground water right owners will be prevented. To address these questions, SPF has researched wells and water-levels in the area, and compared this information to anticipated well construction and groundwater use under proposed application 57-11840. The findings of this investigation are provided below.

You also asked the applicant for clarification of the map attached to the application; specifically the total number of wells proposed and the extent of domestic use. A single well is proposed for irrigation, domestic, and stockwater purposes. The well will be located near the boundary between the NENE and NWNE of Section 25, T4S, R1W. The domestic use is for a future home.

Existing Wells

As a first step in this investigation, SPF conducted a search of the Idaho Department of Water Resources (IDWR) database to identify nearby well records. The search area was at

least 0.5 mile around the proposed points of diversion, consisting of portions of Sections 19 and 30, Township 4 South, Range 1 East; the South half of Section 24 and all of Section 25, Township 4 South, Range 1 West. The well records are summarized in Attachment A.

There are 15 well records within the search area; 5 for irrigation use and 10 for domestic use. Average well depth is 275 feet.

Not listed in the well report database is a recent test boring drilled at the proposed well site. According to Garrett Post of Treasure Valley Drilling (telephone conversation, January 2014), the test boring was drilled to a total depth of 280 feet and produced 300 gpm (0.67 cfs) by air-lift pumping. Static water level was reported to be 120 feet.

The five irrigation wells listed in Attachment A produced reported yields ranging from 60 to 1800 gpm. Two of these wells are located within ½ mile of the proposed well; a 370-foot deep well produced 60 gpm with 4 feet of drawdown (15 gpm/ft) and a 300-foot deep well produced 315 gpm with 18 feet of drawdown (17.5 gpm/ft). A 15 gpm/ft specific capacity suggests an aquifer transmissivity of approximately 30,000 gpd/ft. Assuming similar aquifer conditions at the proposed point of diversion, the application 57-11840 diversion rate of 264 gpm could be produced with approximately 17 feet of short-term drawdown at the proposed well. Interference drawdown at nearby wells will be substantially less, likely less than 5 feet under short-term pumping, and less than 10 feet under sustained pumping, at the closest domestic well (800 feet to the north). This magnitude of interference, while significant, should not be injurious.

Based on the existing irrigation wells and the test boring, (1) aquifer conditions are adequate to produce the proposed 0.59 cfs diversion rate, (2) the water-bearing zone to be appropriated will be between 100 and 300 feet depth, and (3) well interference impacts at the nearest local wells should be less than 10 feet.

Water-Level Hydrographs

Water-level monitoring data are available for the two irrigation wells located approximately ¼ mile east of the proposed well. Well locations are shown on Figure 1. Water-level data are plotted on Figure 2.

- Well 04S01E30BBB1 was monitored by the USGS from 1967 until 2005. During that period, non-pumping water levels declined approximately 25 feet (0.66 feet/year), from 32 feet to 57 feet.
- Well 04S01W24DDD1 has been monitored by the USGS and IDWR since late 2005. During that period, January water levels have ranged from 72 to 76 feet with no apparent declining trend. January 2013 water level was 0.7 feet lower than January 2006 water level.

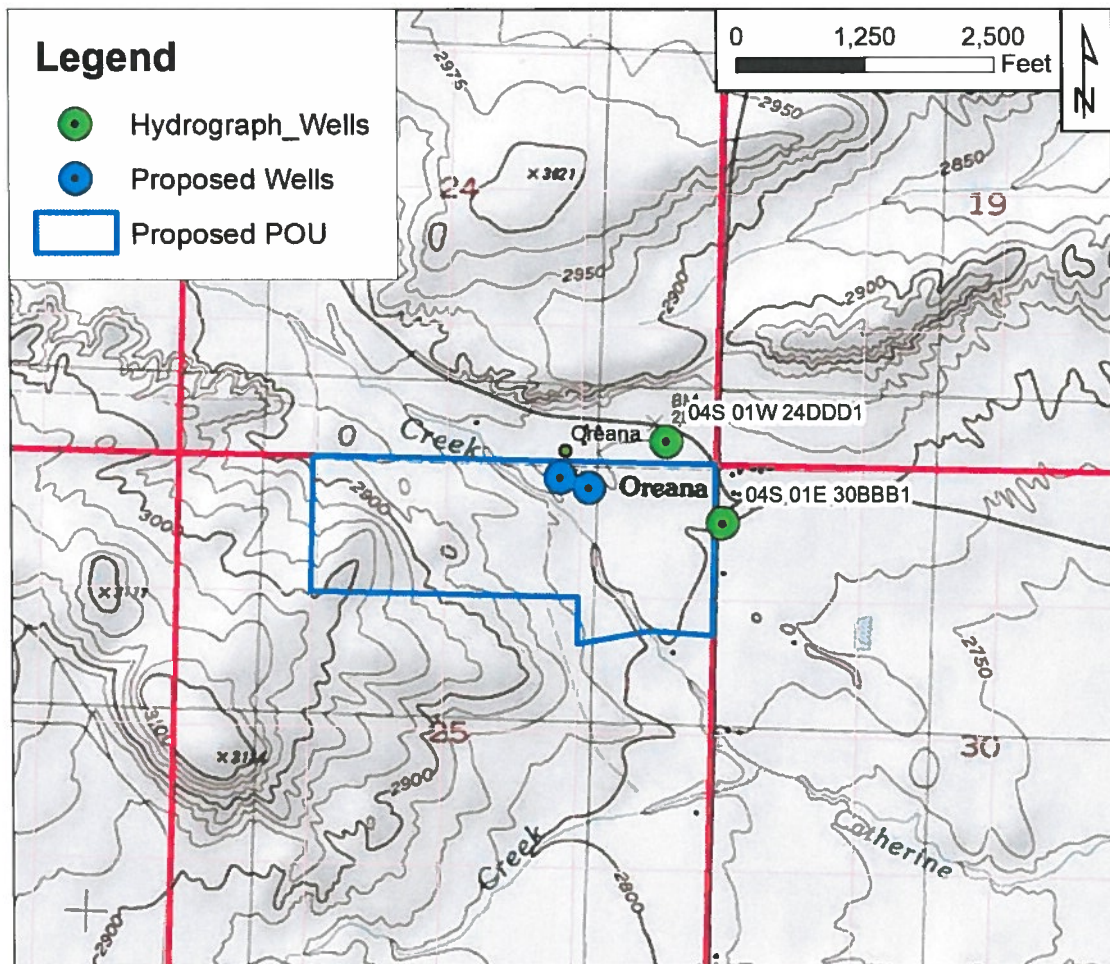


Figure 1. Nearby Water Level Wells

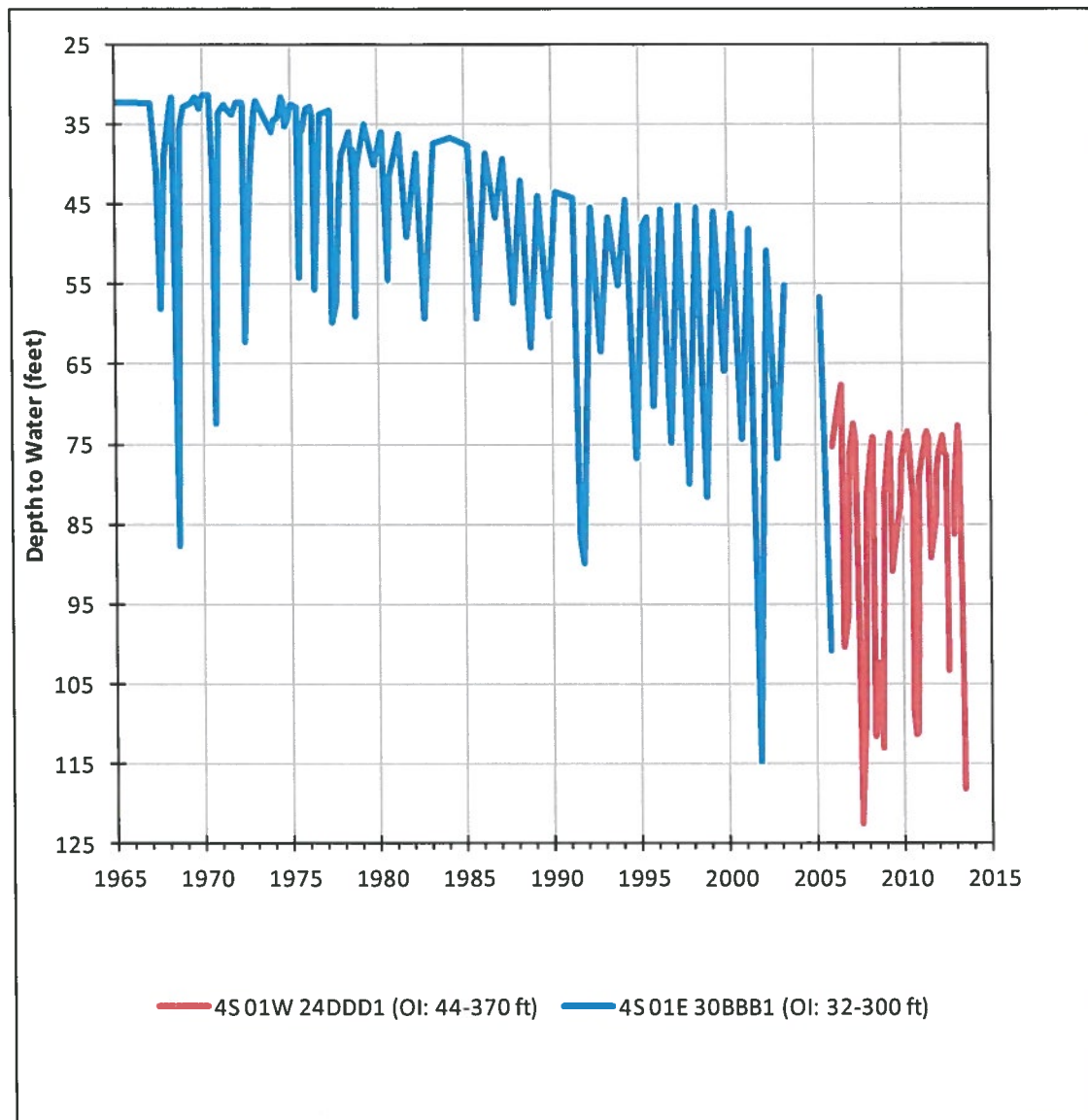


Figure 2: Water Level Data

Based on these data, it appears that there was approximately 25 feet of decline in the vicinity of the proposed POD between 1967 and 2005, but that water levels have been relatively steady over the past 8 years. The lack of chronic water-level decline in recent years suggests that additional groundwater can be appropriated in the area. The proposed appropriation may result in additional water-level decline, but the expected water use (supplemental irrigation for 25 acres) is relatively modest, and it is likely that the magnitude of water-level decline will be minimal. Continued monitoring of well 04S01W24DDD1 should be adequate to document water-level impacts associated with use under proposed permit 57-11840.

Summary

1. One well is proposed. The location will be in the NENE or the NWNE of Section 25, T4S, R1W.
2. The proposed domestic use is for a future home.
3. Aquifer conditions at the site are adequate to produce the proposed 0.59 cfs diversion rate.
4. The water-bearing zone to be appropriated will be between 100 and 300 feet depth.
5. The water-level hydrograph for nearby well 4S01W24DDD1 demonstrates relatively stable water levels in recent years, suggesting water is available for appropriation.
6. Water-level monitoring at 04S01W24DDD1 will document any future water-level declines in the area. If excessive water-level declines occur, junior-priority water rights (including 57-11840) can be curtailed to prevent injury to senior water rights.
7. Direct well interference impacts are likely at nearby wells. The magnitude of impact is not anticipated to be excessive or injurious.

Please contact me with any questions or comments concerning this analysis. We look forward to continued processing and approval of application for permit 57-11840.

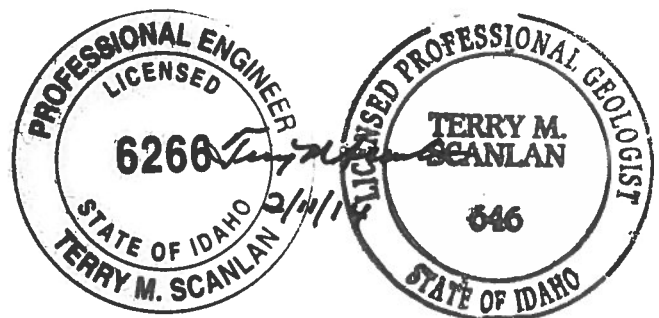
Sincerely,



Terry M. Scanlan, P.E., P.G.

Cc: Rohl Hipwell

File: 1076.0010



Attachment A – Summary of Local Well Records

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FEB 13 2014

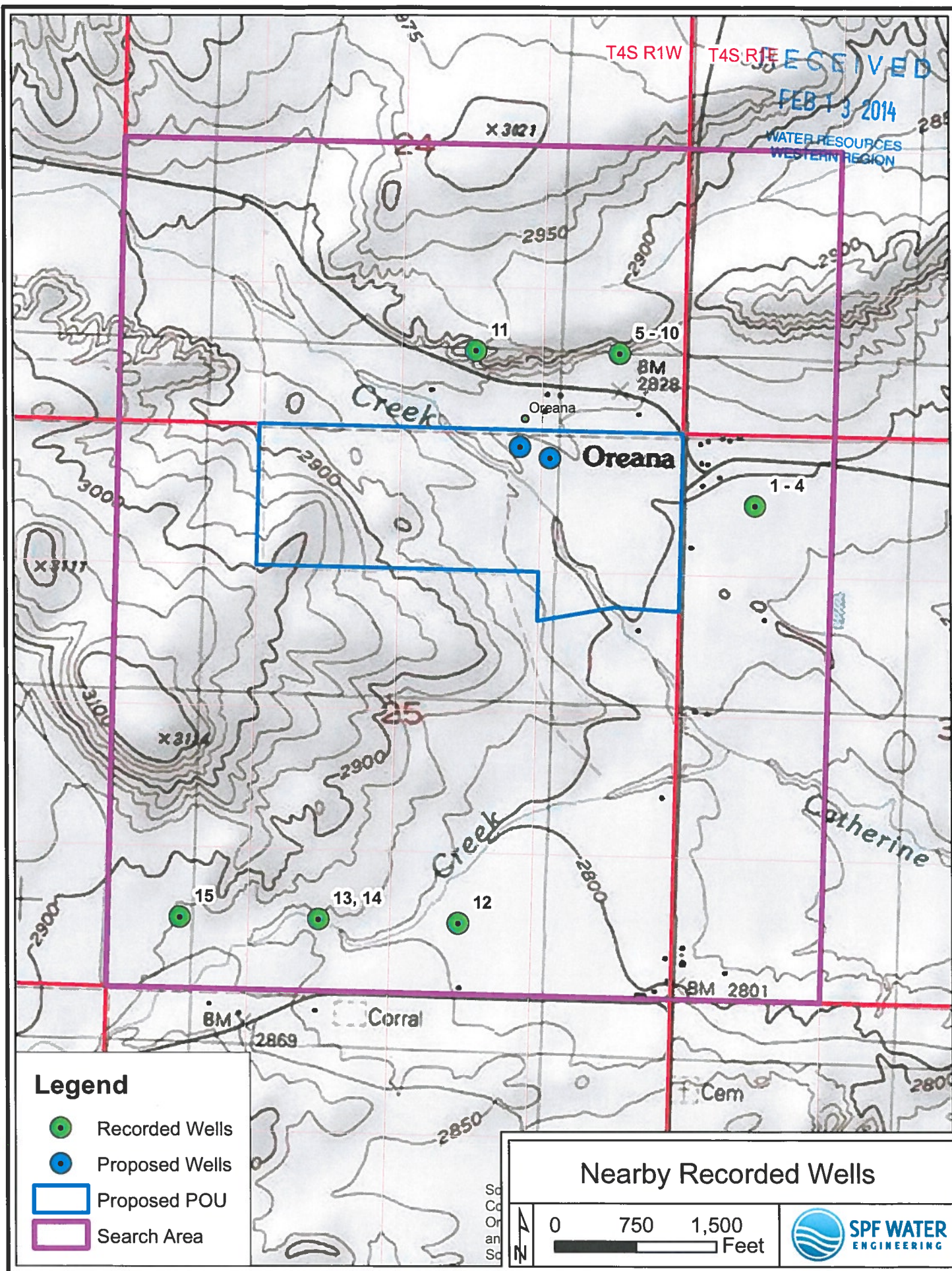
WATER RESOURCES
WESTERN REGION

ATTACHMENT A
SUMMARY OF LOCAL WELL RECORDS

FEB 13 2014

Wells in Vicinity of Proposed Wells

Map No.	WATER RESOURCES WESTERN REGION Contact	Const. Date	Total Depth	Address	Drilling Co.	Trwp	Rng	Sec	Tract	Lot	Use	Csg. Dia.	GPM	Static Water Level
1	J SHERAL JOHNSTON	D0001569	12/10/1997	300' N OF OREANA BAR & GRILL	JOHNSTON DRILLING	04S	01E	30	NWNW		Domestic	6	30	70
2	MERVILLE A ROBINSON		12/31/9999		JOHNSTON DRILLING	04S	01E	30	NWNW		Irrigation	12	315	32
3	JOHN BRAUBACH		10/15/1975		JOHNSTON DRILLING	04S	01E	30		1	Domestic	6	18	50
4	ELMER O JOHNSTON		10/26/1967		JOHNSTON DRILLING	04S	01E	30		1	Domestic	6	u/k	30
5	EARL BACHMAN		7/2/1968		SMITH DRILLING	04S	01W	24	SESE		Domestic	6	u/k	14
6	KEITH ELLIOT		3/25/1994	500 FT NW OF OREANA STORE	WAYNE SMITH DRILLING	04S	01W	24	SESE		Domestic	6	15	70
7	J SHERAL JOHNSTON		3/1/1994	BATES CREEK RD	JOHNSTON DRILLING	04S	01W	24	SESE		Irrigation	8	60	66
8	LISA LAWRENCE	D0042613	2/28/2006	16635 BATES CREEK RD	DENNIS PHIPPS WELL DRILLING INC	04S	01W	24	SESE		Domestic	6	35	130
9	SHANE A LEONARD	D0020370	10/24/2002	Oreana Road	WAYNE SMITH DRILLING	04S	01W	24	SESE		Domestic	6	12	98
10	DARLENE MAIDEN		6/15/1993	1/8 MILE W OF OREANA STORE	JOHNSTON DRILLING	04S	01W	24	SESE		Domestic	8	20	70
11	MERVILLE A ROBINSON		10/4/1988		JOHNSTON DRILLING	04S	01W	24	SWSE		Domestic	10	u/k	107
12	FRANK JAYE		4/20/1948		ANONYMOUS DRILLER	04S	01W	25	SWSE		Irrigation	8	630	Flowing
13	JOHN SALOVE		4/18/1972		WITT DRILLING	04S	01W	25	SESW		Irrigation	16	1800	20
14	ELMER G STAHL				JOHNSTON DRILLING	04S	01W	25	SESW		Domestic	6	40	90
15	JOHN C STEINER	D0063625	5/1/2012	OREANA	STEVENS & SONS WELL DRILLING INC	04S	01W	25	SWSW		Irrigation	16	u/k	108





State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

January 16, 2014

ROHL HIPWELL
18125 OREANA LOOP RD
OREANA, ID 83650

Re: Application for Permit No. 57-11840

Dear Mr. Hipwell:

The application referenced above that you submitted on August 13, 2013, has been assigned to me for review and processing. The application proposes 0.59 cfs from ground water for irrigation in Oreana, Owyhee County. There are a few issues with the application that must be addressed before processing can continue.

[1] Are one or two wells proposed as points of diversion? On the application map, there is a "domestic" label, but it is unclear from the map whether that is a proposed well or proposed place of use. If two wells are intended to be used, please clarify which well will provide water for which uses. In a 2011 aerial, I cannot see a house there. What is the domestic use?

[2] Please provide credible evidence that there is sufficient ground water available for the proposed rate of diversion, and the depth in feet of the proposed water-bearing zone from which you plan to obtain the ground water.

[3] Regarding potential injury to senior groundwater rights, it appears that there are several wells within 0.5 miles of your proposed well or wells. Please provide credible information regarding the effect of pumping your well on the groundwater levels in the wells and within 0.5 miles of your proposed well, and how you intend to present injury to senior water users. I have enclosed a list of consultants for your convenience in you wish to retain one to assist you.

Please submit the requested information so that IDWR can continue to process the applications. Alternately, you may seek additional time up to six months to provide the information. The requested information or a request for more time to obtain the information must be received in writing by February 21, 2014. Failure to submit the information may result in the application being voided. Fees are not refunded for voided applications.

I can be reached at 208.334.2190 if you wish to discuss the application and this letter. Thank you.

Sincerely,

Vicky Music
Sr. Water Resource Agent