

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

DEC 19 2025

Department of Water Resources

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-345041. Owner Jeff Ransom Phone No. 208-941-5429Current address 16480 Goodson Rd. Caldwell, ID 836072. Examiner's name Patrick Kelly and Angela Hansen, LSCE EXAM DATE 12/10/20253. Accompanied by Owner Email precisionpumpandwell@yahoo.com

Address _____

Relationship to permit holder _____ Phone No. _____

4. Source Ground Water tributary to _____**B. OVERLAP REVIEW**1. Other water rights with the same place of use None2. Other water rights with the same source and point of diversion None**C. DIVERSION AND DELIVERY SYSTEM**

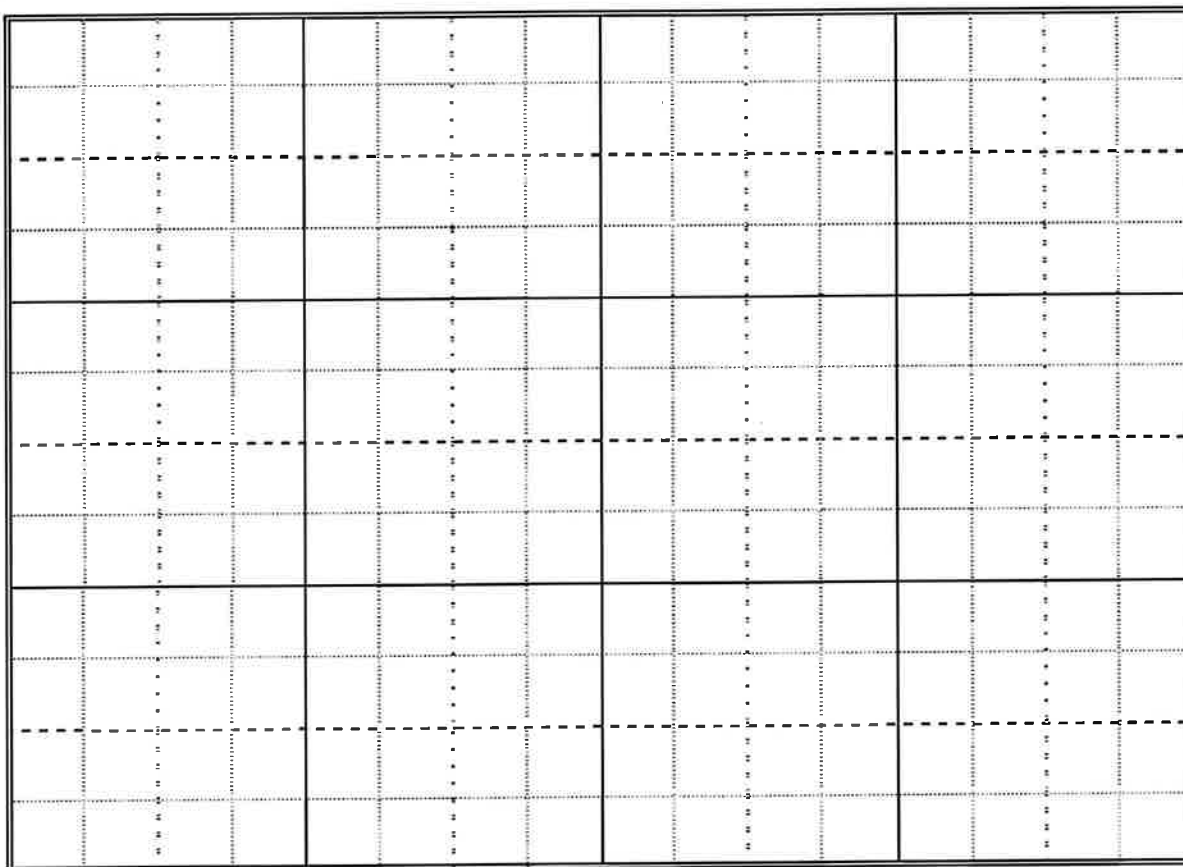
1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SE	SW	17	05N	03W	Canyon	Well Tag No. D0031351
									GPS: 43 46.0768, -116 43.3803

2. Place(s) of Use: Method of determination Digital PLSS map, Aerial imagery

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	03W	17												3.5			0.1		3.6
05N	03W	17												D					

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0031351	Franklin	5			

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** _____

No flow measurement taken.

Narrative section attached to this report.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

All conditions of approval have been met.

[illegible]

F. FLOW CALCULATIONS☒ Additional computation sheets attached

Measured Method:

No measurement required per IDAPA 37.03.02.035.01.q.

 $0.03 \text{ cfs/acre} \times 3.6 \text{ acres} = 0.11 \text{ cfs}$

IDWR Theoretical Equation attached to this field exam report. Further details found in attached narrative.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.6 \text{ ac} \times 4.5 \text{ af/ac} = 16.2 \text{ af}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.11 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 56.7 \text{ af}$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = 16.2 \text{ af}$$

2. Volume Calculations for Other Uses:

IDWR Admin. Memo No. 22 recommends 0.6 af for single in-home domestic use when irrigation is separated.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	3/1	11/15	0.11	16.2
Domestic	1/1	12/31	0.04	0.6
Totals:			0.15	16.8

2. Recommended Amendments

- ☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☒ None
☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATION

Field Examiner's Signature

Angela M. Hansen

Date

12/17/2025

Reviewer

Date



Field Exam Narrative

Ownership

Water right permit 63-34504 was applied for and issued in the name of Jeff Ransom. Mr. Ransom owns the land by which water is diverted from and applied to. Changes to ownership are not recommended.

Water Right Overlap

No POD/POU water right overlap exists.

Point of Diversion

Permit 63-34504 accurately describes the well location within the SE¼SW¼, Sec. 17, Twp. 5 North, Rge. 3W, Canyon County. Amendments to the point of diversion are not recommended.

Place of Use

The place of use is within the legal description of the permit. Acres within the legal description were changed to reflect the irrigation use at the time of the field exam. Amendments to the POU are not recommended.

Diversion System

Water is supplied from the well by a 4-inch, 5-hp Franklin submersible pump. The well delivers water to a pneumatic pressure tank that serves the in-home domestic system. Irrigation demands are met through multiple pressure-irrigation zones consisting of both sprinkler and drip-line configurations.

Water Measurement

Per IDAPA 37.03.02, Beneficial Use Examination Rules, a measurement is not required on systems that irrigate less than 5 acres or total 0.24 cfs or less. Recommendations for diversion rate are based on IDWR Administrative Memorandum standards.

A theoretical pumping analysis was performed to estimate system capacity. According to the well log for Well D0031351, the well produced 300 gpm by air-lifting at a pumping water level of 210 feet for two hours. This corresponds to a conservative specific capacity of approximately 2.3 gpm/ft.

Using this specific capacity, diverting the recommended flow rate of 0.15 cfs (≈ 67 gpm) would result in an estimated drawdown of 29.8 feet. With a static water level of 77 feet below ground surface, the projected pumping water level during diversion is therefore approximately 106.8 feet. This pumping water level represents the dynamic lift component of the system and was used as the primary head term in the theoretical capacity calculation.

Based on the pump specifications, the selected pump operates at approximately 67% efficiency under the expected conditions. Anticipated pressure of a sprinkler irrigation system ranges from 30 to 40 psi. Incorporating this efficiency, pressure, and the estimated operating head, the calculated theoretical system capacity is approximately 0.16 cfs (see attached theoretical spreadsheet).

Recommendations

Based on IDWR's standard duty factors, this diversion rate accommodates all proposed beneficial uses, including 0.11 cfs (16.2 af) for irrigation and 0.04 cfs (0.6 af) for domestic use. These volumes align with IDWR's consumptive use guidelines and demonstrate that the system capacity is sufficient to support the combined water demands.

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 63-34504
 Reviewer: Patrick Kelly
 Date of Review: 12/10/2025

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	5	5	5
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	107	107	107
DISCHARGE PRESSURE	30	35	40
RATE OF FLOW (cfs)	0.17	0.16	0.15 0.16

The above calculates the formula =
$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %67 efficiency.
 No Friction

Examiners Notes:

Field exam reports a 5 hp pump. Pumping level calculated using specific capacity of 2.3 gpm per foot based on well log. A range of discharge pressures were used base on common sprinkler system pressures (30-40 psi). Theoretical average flow rate is 0.16 cfs.



IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Well ID No.	814239		
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	:	Long	:

1. WELL TAG NO. D 0031351
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:
Name Jeff Ransom
Address 16480 Goodson Rd.
City Caldwell State Id Zip 83607

3. LOCATION OF WELL by legal description:
You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 5 North ☒ or South ☐
Rge. 3 East ☐ or West ☒
Sec. 17 SE 1/4 1/4 1/4
Gov't Lot _____
County Carver
Lat: _____ Long: _____
Address of Well Site 16480 Goodson Rd.
City 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 Material	From	To	Weight/Volume	Seal Placement Method
<u>Per Gold Best</u>	<u>0</u>	<u>19</u>	<u>500 lbs</u>	<u>12" overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 207-6"
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>8"</u>	<u>13'</u>	<u>207-6"</u>	<u>20</u>	<u>Steel</u>	☐	☐	☒	☐

Length of Headpipe 5' Length of Tailpipe _____
Packer ☒ Y ☐ N Type 2-3 r.b 5X8" Q
2-5X8" packers with 2' head pipe between each other

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____
Screen Type & Method of Installation Johnson Wash Dr Valve

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>204</u>	<u>214</u>	<u>15</u>	<u>6"</u>	<u>Tele</u>	<u>S.S</u>	☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

77 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices:
8" San Seal Well Cap

12. WELL TESTS:

☐ Pump	☐ Bailor	☒ Air	☐ Flowing Artesian
Yield gal./min.	Drawdown	Pumping Level	Time
<u>300</u>		<u>210"</u>	<u>2 hrs.</u>

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: Good clear color
no smell Depth first Water Encounter 109'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
				Y N
<u>128</u>	<u>0</u>	<u>24</u>	<u>Sand & clay</u>	☒
<u>8</u>	<u>24</u>	<u>77</u>	<u>clay</u>	☒
	<u>77</u>	<u>94</u>	<u>Sand & clay</u>	☒
	<u>94</u>	<u>104</u>	<u>clay</u>	☒
	<u>104</u>	<u>106</u>	<u>Fine Sand 15 gpm</u>	☒
	<u>106</u>	<u>109</u>	<u>Sandy clay</u>	☒
	<u>129</u>	<u>143</u>	<u>Hard Brn</u>	☒
	<u>143</u>	<u>175</u>	<u>Fractured clay & Sand Strips</u>	☒
	<u>175</u>	<u>194</u>	<u>Hard Brn clay</u>	☒
	<u>194</u>	<u>206</u>	<u>Sandy clay</u>	☒
	<u>206</u>	<u>207</u>	<u>Hard Brn clay</u>	☒
	<u>207</u>	<u>214</u>	<u>Fine med Sand</u>	☒

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MAY 12 2004

WATER RESOURCES
WESTERN REGION

Completed Depth 214' (Measurable)
Date: Started 4/29/04 Completed 5/11/04

14. DRILLER'S CERTIFICATION

I/we certify that all minimum well construction standards were complied with at the time the rig was removed.
Company Name Precision Well Drilling Firm No. 532
Principal Driller Jeff Ransom Date 5/12/04
and
Driller or Operator II _____ Date _____
Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

1/31/03

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WATER RESOURCES
WESTERN REGION

Drilling Permit No. 882328-814239
 Drilling Permit I.D. Tag No. D0031351
 Water Right Permit No. _____
 Injection Permit No. _____

State of Idaho
 Department of Water Resources

APPLICATION FOR DRILLING PERMIT
 (FOR THE CONSTRUCTION OF A WELL)

1. Owner (please print): Jeff Ranson
 2. Mailing Address: 16480 Goodson Rd.
 City: Caldwell State: Id Zip Code: 83607 Telephone: () 941-5429
 3. Proposed Well Location: Twp. 5N, Rge. 3W, Sec. 17 SE 1/4 SE 1/4 _____ 1/4;
 Gov't Lot No. _____ County Canyon Lat. _____: _____: _____ Long. _____: _____: _____
 Street Address of Well Site 16480 Goodson Rd. City Caldwell
Give at least name of road + Distance to Road or Landmark
 Lot, block and subdivision _____

4. Proposed Use of Well:

- ☒ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC: ☐ Irrigation ☐ Municipal ☐ Industrial
☐ Livestock ☐ Test ☐ Other _____
Type _____ Number Hd. _____ (Describe)

☐ INJECTION

☐ MONITORING: A well bore schematic and map is required for each blanket permit. No. of proposed wells: _____

5. Well Construction Information:

A. ☒ New well ☐ Modify ☐ Replace
 B. Proposed Casing Diameter 8" Proposed Maximum Depth 280'
 C. Anticipated bottom hole temperature:
☒ 85 F or less (Cold Water Well) ☐ 85 F to 212 F (Low Temp. Geo. Well) ☐ 212 F. or more (Geothermal Well)

6. Construction Start Date: 5/3/04

7. Anticipated Well Driller: Precision Well Drilling Inc Driller's Lic. No. 522
 NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature: Jeff Ranson Date: 4/29/04Address (if different than owner): 16480 Goodson Rd.City: Caldwell State: Id Zip Code: _____ Telephone: 941-5429Title: well driller

(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES
APPROVED

This Permit is _____

Date 4/29/04

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. **READ CAREFULLY!**

GENERAL CONDITIONS:

1. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one(1) year from the approval date for completion of the well unless an extension has been granted.
2. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare, which may be required before construction of the well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum of 50 feet and 100 feet respectively from a septic tank.
3. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
4. Approval of this drilling permit does not authorize trespass on the land of another party.
5. This permit does not constitute other local, county, state or federal approvals, which may be required for construction of a well.
6. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
7. If a bottom hole temperature of 85 or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
8. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (DigLine is a one-call center for utility notification) not less than 2 working days prior to the start of any excavation for this project. The "DigLine" Number for your area is 1-800-342-1585.
9. Please be advised that this drilling permit should be considered and treated as a preliminary permit. If you are in disagreement with this preliminary permit you have fourteen (14) days of the service date of this permit to petition the Department for reconsideration pursuant to Section 67-5243, Idaho Code.
10. The well tag for the drilling permit/start card shall be securely and permanently attached to the well casing through welding or by the use of four closed end domed stainless steel pop rivets. The tag attachment will be done at the time of completion of the well, and prior to removing the drill rig from the drill site.

SPECIFIC CONDITIONS:



Signature of Authorized Department Representative

MANAGER
WESTERN REGIONAL OFFICE

Title

Receipt No. _____ Received by _____ Fee _____ Date _____

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____



93659013 – 90FH5S4-PE

The standard FPS 4400 4-inch submersible pump features the new TRI-SEAL floating stage system. This new stage system improves efficiency and protects against wear when pumping abrasives (sand).

Item: 93659013

Model: 90FH5S4-PE

Ratings

HP 60Hz	5 hp
Frequency	60 Hz
Basic Model	90S4
PEI #	0.92

Operation

Maximum Flow Rate - 60 Hz	110 gpm
Minimum Flow Rate - 60 Hz	60 gpm
Flow	90 gpm
Shut Off 60 Hz	365 ft
Stages	13
Pump Efficiency	67.0 %
Temperature Rating	120 °F

Liquid

Maximum Fluid Temperature	120 °F
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Materials of Construction

Pump Body Material	AISI 304 Stainless Steel
Discharge Head Material	Stainless Steel
Impeller Material	Acetal
Motor Bracket Material	Stainless Steel
Check Valve	No
Intake Screen Material	Stainless Steel
Cable Guard Material	Stainless Steel

Dimensions

Discharge	Threaded - FNPT
Discharge Diameter	2 "
Diameter With Cable Guard	3.9 "
Pump Length	46.3 "
Product Weight	17 lb
Pump Diameter	3.9 "

Other

Drinking Water Agency Approvals	ANSI/NSF Standard 61
Warranty Standard Time	12 Month Install / 24 Month Manufacturing



Point of Diversion

43 46.0768
-116 43.3803

SE¼SW¼
Sec. 17
Twp. 5 North
Rge. 3 West

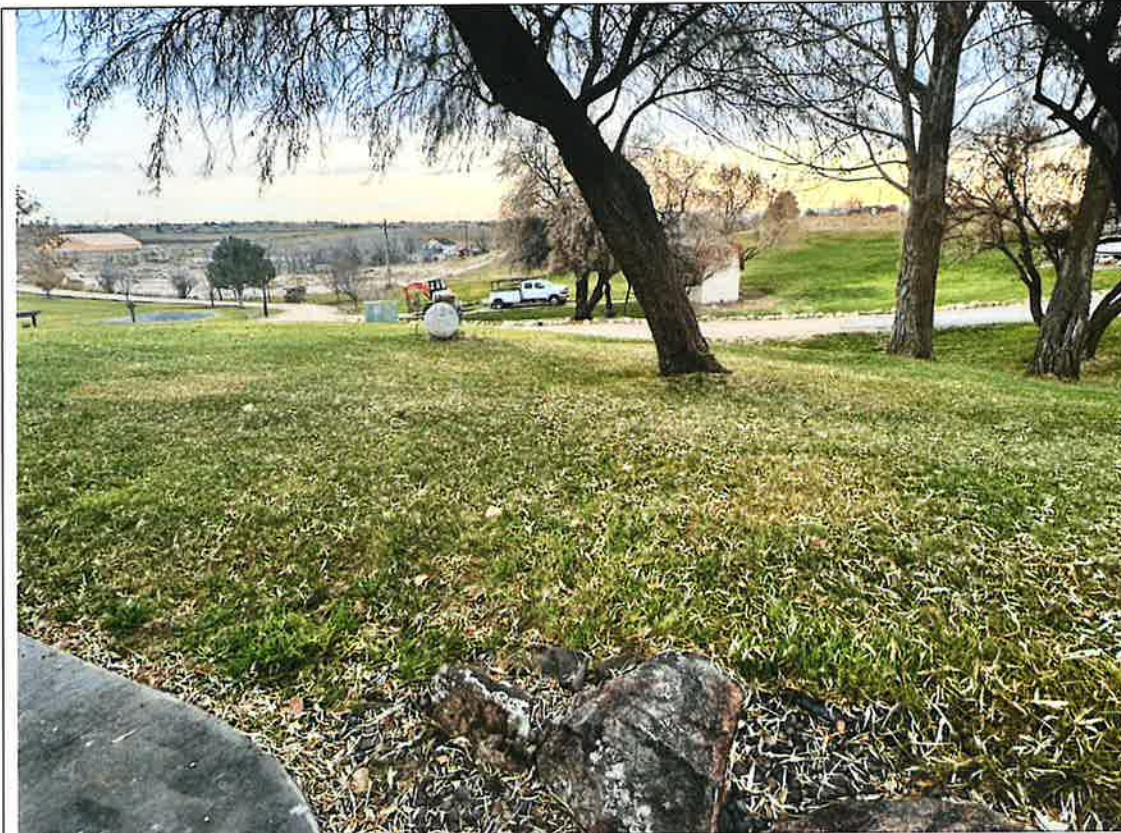
Well located near
north property line.

Domestic POU in
background. Irrigation
POU in foreground.



IDWR Well Tag No:
D0031351

Sub-Pump
Manufacturer:
Franklin
hp: 5
Hz: 60



Irrigation POU south side of domestic home.



Irrigation POU along south property line.



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WATER RESOURCES
WESTERN REGION

December 17, 2025

IDWR Western Regional Office
2735 Airport Way
Boise, ID 83705

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DEC 19 2025

DEPT. OF WATER RESOURCES

Subject: Request Expedition to Reinstate Lapsed Permit 63-34504

Dear Scott,

On behalf of Jeff Ransom, I am pleased to submit the Beneficial Use Field Examination Report for water right permit 63-34504. Proof of Beneficial Use for this permit was due September 1, 2023, and the permit has since lapsed. Under Idaho Code §42-218a, the Department may upon a showing of reasonable cause reinstate a lapsed permit within sixty days after notice of lapsing, with the priority date advanced the appropriate number of days.

As documented in this field exam report, Mr. Ransom completed the beneficial uses authorized by the permit within the authorized development period. Unfortunately, during the timeframe when proof was due, Mr. Ransom was undergoing significant medical challenges, including active cancer treatment, which limited his ability to manage personal and administrative matters. These medical circumstances directly contributed to the delay in submitting proof.

Mr. Ransom is now able to address this issue and is committed to bringing the permit active. Given that the authorized development was completed on time and that the missed deadline resulted from substantial and documented medical hardship, we believe this constitutes reasonable cause for reinstatement under §42-218a. We respectfully request that the Department reinstate the permit accordingly.

In addition, due to Mr. Ransom's ongoing health circumstances and the pending sale of his home, we respectfully request **expedited review and processing** of this reinstatement request so the permitting issues may be resolved in a timely manner.

Thank you very much for your service in this matter. Please contact Angie or I with any questions.

Sincerely,

A handwritten signature in blue ink that reads "Patrick Kelly".

Patrick Kelly
Project Hydrogeologist