

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONExam Date: 3/18/2026

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.q)? X Y N
- a. X Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >

Comment: N/A

2. Current Owner: John and Debra Infranger

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No Explain:

3. Beneficial Use Fees have been paid: X Y N Receipt No: C124477

4. Source: Tributary:
Groundwater N/A

Method of Determination: GIS, Idaho Tax Parcel Data, and the Permit Holders Statement of Completion for Proof of Beneficial Use (Proof Statement).

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Overlap ? X Yes No

Water Right No.	Source	Purpose of Use	Basis
37-20800	Groundwater	Domestic	License
37-10884	Groundwater	Domestic, Stockwater	Decree
37-21649	Little Wood River	Dome	

Comments: Water Right (WR) 37-21649 currently overlaps a portion of permitted place of use (POU). However, 2023 NAIP Aerial Imagery indicates there is no actual overlap. WR 37-10884 currently overlaps the permitted place of use. However, according to the Adjudication backfile the actual POU does not overlap. WR 37-20800 does overlap the permitted place of use but is accounted for in multiple conditions on the permit. These conditions should be carried to the license to alleviate overlap concerns.

2. Other water rights with the same point of diversion: Overlap ? X Yes No

Water Right No.	Source	Purpose of Use	Basis
37-20800	Groundwater	Domestic	License

Comments: Water Right 37-20800 directly overlaps the permitted point of diversion (POD). A condition on the permit limits diversion under 37-20800 and this permit to 13,000 gal/day/unit. After conducting a theoretical diversion rate calculation, the greatest likley diversion system capacity is 0.17 cfs. This is less than the additive diversion rate between 37-20800 (0.12 cfs) and recommended diversion rate for 37-23224 (0.15 cfs). Therefore, a combined limit should be added to the license limiting diversion rate when combined between 37-20800 and 37-23224 to 0.17 cfs.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			SE	SE	36	05S	14E	B.M.	Gooding

Method of Determination: GIS and Idaho Tax Parcel Data and well report.Change in POD? Y X N Amendment Required? Y X N

2. Place of Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05S	14E	36																	D
		Lot #																	

Method of Determination: GIS, Idaho Tax Parcel Data, 2023 Google Earth Aerial Imagery, and 2025 ESRI Aerial Imagery.Change in POU? Y X N Amendment Required? Y X N

3. Diversion System Information:

Description: Permit holder indicated on their Proof Statement a 7.5 HP 3 phase motor with 60 Hz Grundfos Pumpona VFD drive is installed in the well.

 Delivery System Diagram Attached. (mark all major components and distances between components) X Aerial Photo indicating the location of the recommended POD and POU. X Aerial Photo Attached (required) Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*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
N/A						

2. Measurement Comments: No measurement is required for permits qualifying for an in-office examination according to the IDAPA Beneficial Use Examination Rules.

E. FLOW CALCULATIONS

 X Additional Computation Sheets Attached

Measured Method: According to Administrative Application Processing Memo #22 the standard diversion rate for 5 homes is 0.11 cfs. However, since the permit also authorizes external domestic use for 9 additional homes this should be accounted for in the total diversion rate. According to Administrative Application Processing Memo #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs/acre. Since the applicant provided a pump hp and a lift could be determined using the well log a theoretical diversion rate calculation could be conducted to determine a system capacity. According to the calculation the greatest likley system capacity is 0.17 cfs averaged over 40, 50, and 60 psi of pressure against the pump. I am recommending a 0.15 cfs diversion rate for domestic use.

(0.9 acres of irrigation) * (0.03 cfs/acre) = 0.042 or 0.04 cfs rounded

Administrative Application Processing Memo #22 standard = 0.11 cfs

Administrative Application Processing Memo #17 calculation = 0.04

Theoretical Diversion Rate Calculation = 0.17 cfs

Permit allowed = 0.15 cfs

Total Recommendation = 0.15 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

V = (Acres Irrigated) x (Irrigation Requirement) = N/A
I.R.V = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = N/A
D.R.V = Smaller of V_{I.R.} and V_{D.R.} = N/A

2. Volume Calculations for Other Uses: The permit authorizes diversion from groundwater and a condition on the permit limits domestic use to 13,000 gal/day/home. According to the IDAPA Beneficial Use Examination Rules 37.03.02.035.01h.iii.viii if a permit authorizes diversion from groundwater for domestic use and contains a condition limiting diversion to the definition of domestic use a recorded diversion volume is not required. However, because overlapping WR 37-20800 has a recorded volume and the permitted POD is within a moratorium area I recommend a diversion volume be added to the license. According to Administrative Application Processing Memo the standard diversion volume for domestic use is 0.6 af for internal and 0.6 for external use. However, according to conditions on the permit I recommend remain on the license external domestic use is limited to the irrigation of 1.4 acres (confirmed by 2025 ESRI Aerial Imagery) and 4.6 af of WR 37-21649 is mitigated to allow for external domestic use to occur. Therefore, the diversion volume for external use should be limited to 4.6 af to prevent confusion with conditions on the license. I recommend a diversion volume of 3.0 af for internal use and 4.6 af for external domestic use or 7.6 af total.

G. PURPOSE OF USE

Irrigation Y X N # Stock Domestic # of Homes 5 homes (internal and external) and 9 homes (external only)

Change in Purpose of Use? Y X N

Method of Determination: GIS, Idaho Tax Parcel Data, 2023 Google Earth Aerial Imagery, 2025 ESRI Aerial Imagery, and the permit holders Proof Statement.

If Yes: From Use To Use Amount CFS AFA

H. NARRATIVE/REMARKS/COMMENTS

This permit meets the qualifications for an in-office licensing examination. The permit authorized domestic use including internal and external use for 5 homes and external use for an additional 9 mobile homes. Internal use for the remaining 9 mobile homes is already authorized under WR 37-20800. According to 2023 Google Earth and 2025 ESRI Aerial Imagery in-house and external use for 5 homes and external domestic use for 9 homes was developed within the permit development period. Water right 37-20800 overlaps the proposed POD and utilizes the same diversion system. Since the permit holder provided a pump horsepower and a lift was calculated using the well log a theoretical diversion rate calculation was possible to determine the system capacity. According to the calculation the greatest likely diversion system capacity is 0.17 cfs. This is far less than the additive diversion rate between 37-20800 (0.12 cfs) and the recommended diversion rate for 37-23224 (0.15 cfs). Therefore, I recommend a condition be added to the license limiting 37-20800 and 37-23224 when combined to 0.17 cfs.

A condition on the permit requires the permit holder to install a measurement device and lockable controlling works prior to diversion. However, they did not indicate they installed either on their Proof Statement. After a phone conversation with the permit holder on March 17th, 2026, they confirmed both a measurement device and lockable controlling works were installed on the diversion system. The standards set in Administrative Application Processing Memo #22 and #17 utilized to make a diversion rate recommendation. According to conditions on the permit, I recommend remain on the license external domestic use is limited to the irrigation of 1.4 acres (confirmed by 2025 ESRI Aerial Imagery) and 4.6 af of WR 37-21649 is mitigated to allow for external domestic use to occur. Therefore, the diversion volume for external use should be limited to 4.6 af to prevent confusion with conditions on the license. All conditions of permit approval have been met, and development of beneficial use was confirmed within authorization on the permit. Therefore, I am recommending a 0.15 cfs diversion rate and 7.6 af diversion volume.

Conditions R05, condition #3 on the permit, 071, condition #5 and #6 on the permit, 933, 935, and 140 should remain on the license. Condition 01J should be changed to R43 as is the standard with licensing.

Have conditions of permit approval been met? X Yes No

I. RECOMMENDATIONS

1. Recommended Amounts:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01 – 12/31	0.15 CFS	7.6 AF
	<u>Totals:</u>	0.15 CFS	7.6 AF

2. Recommended Amendments:

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

J. AUTHENTICATION

Field Examiner: Skyler Cheever – Water Resource Agent, Sr – State Office

Field Examiner's  Date 3/18/2026

Reviewer  Date 4/2/2026

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 37-23224
 Examiner: Skyler Cheever
 Date of Field Exam: 3/18/2026

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	7.5	7.5	7.5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	150	150	150	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.19	0.17	0.16	AVE
(gpm)	85.5	78.1	71.9	0.17

The above calculates the formula =

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

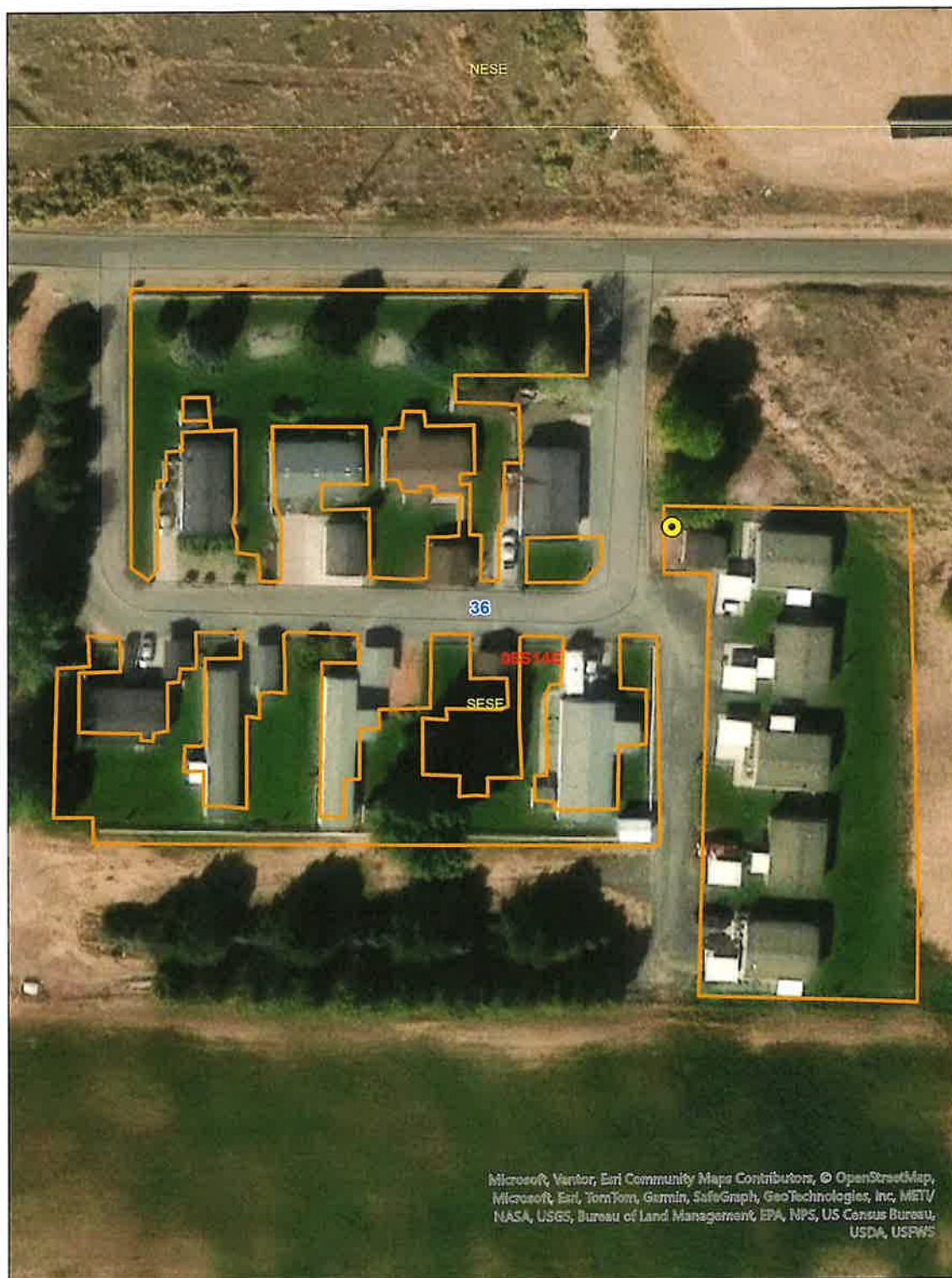
Assumptions: %70 efficiency.

Examiners Notes:

Lift was determined using 10 ft bellow static water level of 140 ft found on well log. Hp was provided on Proof Statement. A standard psi for domestic uses of 40 to 60 psi was used to estimate the pressure against the

Field Exam Map

Map showing the authorized point of diversion (yellow point) and place of use (orange outline) as will be shown on the license map.



Map depicting the outline of external domestic use for 5 homes to East (will not be depicted on license map).



2023 Google Earth Aerial Imagery



