

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

A. GENERAL INFORMATIONExam Date: 3/4/2026

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 < >
2. Current Owner: Gina Osterloth and Carla Harmon
Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No Explain:
3. Beneficial Use Fees have been paid: X Y N Receipt No: C123337
4. Source: Groundwater Tributary: 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
Multiple	Multiple	Irrigation	Decree

Comments: There are multiple irrigation company water rights (WR) overlapping the permitted place of use (POU). However, according to the application for permit the permit holder could not have canal water delivered to the POU. Therefore, there is no reason to limit the use under this permit when combined with existing WR's.

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

Water Right No.	Source	Purpose of Use	Basis
N/A			

Comments: There are no other WR's overlapping the permitted point of diversion (POD).

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater			SW	SW	25	11N	06W	B.M.	Washington

Method of Determination: GIS, Idaho Tax Parcel Data, and information provided on well log.

Change in POD? Y X N Amendment Required? Y X N

2. Place of Use: Irrigation, 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	
11N	06W	25											2.8,X						2.8
		Lot #																	
Total Acres =																			2.8

Method of Determination: GIS, Idaho Tax Parcel Data, 2023 Google Earth Str, and 2023 NAIP Aerial Imagery.

Change in POU? Y X N Amendment Required? Y X N

3. Diversion System Information:

Description: The irrigation system consists of K-Pod sprinklers connected with 3-in PVC pipe.

☐ Delivery System Diagram Attached. (mark all major components and distances between components)

☒ Aerial Photo indicating the location of the recommended POD and POU.

☒ 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
		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
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

☒ Additional Computation Sheets Attached

Measured Method: According to Administrative Application Processing Memo #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs. According to Administrative Application Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. According to the permit holders Proof Statement a 5-horsepower pump was installed, and a lift of 25 ft was determined using the well log. Therefore, a theoretical diversion rate calculation is possible. According to the calculation the diversion rate from the system, averaged between 40, 50, and 60 psi discharge pressures is 0.22 cfs. Therefore, the system can handle the total permitted and recommended diversion rate. According to the permit the total diversion rate is limited to the irrigation rate. Therefore, the total recommended rate will follow the same precedent. I am recommending a 0.04 cfs diversion rate for domestic use, 0.08 cfs for irrigation or 0.08 cfs total.

$(2.8 \text{ acres of confirmed irrigation}) * (0.03 \text{ cfs/acre}) = 0.084 \text{ or } 0.08 \text{ cfs rounded}$

Administrative Application Processing Memo #17 Calculation = 0.08 cfs

Administrative Application Processing Memo #22 Standard = 0.04 cfs

Theoretical Diversion Rate Calculation = 0.22 cfs

Permit allowed = 0.12 cfs

Total Recommendation = 0.08 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (2.8 \text{ acres}) * (4.5 \text{ af/acre}) = 12.6 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.08 \text{ cfs}) * (232 \text{ days}) * (1.9835 \text{ af/day}) = 36.8 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12.6 \text{ af}$$

2. Volume Calculations for Other Uses: The permit authorizes in-house domestic use because the 1/2 acre normally included is authorized under a separate irrigation use. According to Administrative Application Processing Memo #22 the standard diversion volume for a single in-house domestic use is 0.6 af. I am recommending a diversion volume of 0.6 af for domestic use, 12.6 af for domestic use or 13.2 af total.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes 1Change in Purpose of Use? Y X NMethod of Determination: GIS, Idaho Tax Parcel Data, 2023 Google Earth Street View/Aerial Imagery, 2023 NAIP Aerial Imagery, and the permit holders Proof Statement.**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-office licensing examination. The permit authorized domestic use for one home and the irrigation of 4 acres. 2023 Google Earth Street View/Aerial Imagery and 2023 NAIP Aerial Imagery confirmed 2.8 acres of irrigation and domestic use for one home occurred within the development period. The Idaho Tax Parcel boundary and visual property boundary were inconsistent. The visual property boundary was used to determine the recommended place of use (POU). Since the permit holder provided a pump horsepower and a lift was determined using the well log a theoretical diversion rate calculation was possible. The calculation determined the system can handle the recommended diversion rate. The standards set in Administrative Application Processing Memos #17 and 22 were utilized to make a diversion rate and volume recommendation. The total diversion rate on the permit was limited to the rate for irrigation. The total recommended diversion rate will follow the same precedent. 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 diversion rate of 0.04 cfs for domestic use, 0.08 cfs for irrigation, or 0.08 cfs total. In addition, I am recommending a diversion volume of 0.6 af for domestic use, 12.6 af for irrigation or 13.2 af total.

Conditions R69 should remain on the license. Condition 121 should be changed to 103 as is the standard with licensing. Condition WB5 should be changed to 132 because the condition language better explains actual authorization. Condition 046 should be removed because the permit holder complied with the well drilling permit requirements of Idaho Code §42-235 and applicable well construction rules of the Department.

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>
Irrigation	03/01-11/01	0.08 CFS	12.6 AF
Domestic	01/01-12/31	0.04 CFS	0.6 AF
	<u>Totals:</u>	0.08 CFS	13.2 AF

2. Recommended Amendments:

 Change P.D. as reflected above Add P.D. as reflected above X None Change P.U. as reflected above Add P.U. as reflected above X None**J. AUTHENTICATION**Field Examiner: **Skyler Cheever – Water Resource Agent, Sr – State Office**

Field Examiner's



Date

3/4/2026

Reviewer



Date

3/30/2026

Field Exam Map

Map showing the authorized point of diversion (yellow point), irrigation place of use (orange outline), and domestic place of use (green outline).



2023 Google Earth Aerial Imagery



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 67-15362
 Examiner: Skyler C
 Date of Field Exam: 3/3/2026

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	5	5	5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	25	25	25	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.26	0.22	0.19	AVE
(gpm)	117.8	98.4	84.5	0.22

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 taken from well log. Hp was provided by the permit holder on their Proof Statment. A standard psi for domestic wells of 40 to 60 psi was used to estimate the pressure against the pump.