

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

A. GENERAL INFORMATIONExam Date: 4/14/20261. 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: Tara and Zane McCallister

Owner of Record Correct? X Y NAddress of Record Correct? X Y NIf No Explain: N/A3. Beneficial Use Fees have been paid: X Y N Receipt No: W052937

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
Multiple	Surface Water (Multiple)	Irrigation	Decree

Comments: There are multiple Water Rights (WR) owned by the Nampa Meridan Irrigation District overlap the permitted place of use (POU). A condition on the permit requires the permit holder to utilize surface water delivery before groundwater. The permit holder confirmed on the application for permit they have shares with the Nampa Meridan Irrigation District. May 2024 Google Earth Google Earth Aerial Imagery confirmed the permit holder was utilizing surface water.

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 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			NW	SE	9	03N	01W	B.M.	Ada

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

2. Place of Use: Irrigation and 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	
03N	01W	9									1.6					2.0, D			3.6
		Lot #																	
Total Acres =																			3.6

Method of Determination: GIS, Idaho Tax Parcel Data, May 2024 Google Earth Aerial Imagery, and 2025 NAIP Google Earth Aerial Imagery.

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

3. Diversion System Information:

Description: N/A

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
		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

X Additional Computation Sheets Attached

Measured Method: Since the permit holder provided a pump Hp on their Proof Statement and a lift was determined using the well log a theoretical diversion rate calculation was possible to determine the diversion system capacity. According to the calculation the diversion system can handle 0.16 cfs on average between 40-60 psi discharge pressures. According to a condition on the permit agreed upon by a resolved protest the diversion rate/acre is limited to 0.02 cfs/acre. According to Administrative Application Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. I am recommending a diversion rate of 0.04 cfs for domestic use and 0.07 cfs for irrigation or 0.11 cfs total.

(3.6 confirmed acres of irrigation) * (0.02 cfs/acre) = 0.072 or 0.07 cfs rounded

Administrative Application Processing Memo #22 Standard = 0.04 cfs

Theoretical Diversion Rate Calculation = 0.16 cfs

Permit allowed = 0.14 cfs

Total Recommendation = 0.11 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (3.6 \text{ acres}) \times (4.5 \text{ af/acre}) = 16.2 \text{ af}$$

I.R.

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.07 \text{ cfs}) \times (260 \text{ days}) \times (1.9835 \text{ af/day}) = 36.1 \text{ af}$$

D.R.

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

2. Volume Calculations for Other Uses: According to the permit irrigation normally included with domestic use is part of a separate irrigation use. According to Administrative Application Processing Memo #22 the standard diversion volume for a single internal domestic use is 0.6 af. I am recommending a diversion volume of 0.6 af for domestic use and 16.2 af for irrigation or 16.8 af total.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes 1 (internal) Change in Purpose of Use? Y X NMethod of Determination: GIS, Idaho Tax Parcel Data, May 2024 Google Earth Aerial Imagery, 2025 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 internal domestic use for one home and the irrigation of 5.0 acres. May 2024 and 2025 NAIP Aerial Imagery confirmed internal domestic use for one home and the irrigation of 3.6 acres within the development period. A condition on the permit requires the permit holder to utilize available surface water prior to diverting groundwater for irrigation. May 2024 Google Earth Aerial Imagery confirmed use of surface water within the POU. Normally irrigation is less than 5 acres or less allows the permit holder to divert 0.03 cfs/acre according to Administrative Application Processing Memo #17. However, the diversion rate/acre should be limited to 0.02 cfs/acre due to a condition on the permit being agreed upon during a protest resolution process.

Since the permit holder provided a pump Hp and a lift was determined using the well log a theoretical diversion rate calculation was possible to determine the system capacity. The calculation determined the system can handle the total recommended diversion rate. The standards set in Administrative Application Processing Memo #22 were utilized to make a diversion rate and volume for internal domestic use. 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 0.11 cfs diversion rate and 16.8 af diversion volume.

Conditions 943, R65, and 01M should remain on the license. Condition X01 should be changed to 132 because that condition better explains domestic authorization on the license. Condition 121 should be changed to 103 as is standard with licensing. Condition 046 should be removed because the permit holder had a well drilled meeting the 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	03/01-11/15	0.07 CFS	16.2 AF
Domestic	01/01-12/31	0.04 CFS	0.6 AF
	Totals:	0.11 CFS	16.8 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 4/14/2026Reviewer Date 4/30/2026

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).



May 2024 Google Earth Aerial Imagery



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 63-34999
 Examiner: Skyler Cheever
 Date of Field Exam: 4/14/2026

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	5	5	5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	75	75	75	
DISCHARGE PRESSURE	40	50	60	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.18	0.16	0.14	AVE
(gpm)	82.6	72.6	64.7	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: %70 efficiency.

Examiners Notes:

Lift was taken from well log. Hp was provided on Proof Statment. A standard psi for a domestic well of 40 to 60 psi was used to estimate the pressure against the pump.

* Signature of Principal Driller and rig operator are required