

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

A. GENERAL INFORMATION

Exam Date: 4/17/2025

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

2. Current Owner:

Owner of Record Correct? ☒ X ☐ Y ☐ N

Address of Record Correct? ☒ X ☐ Y ☐ N

If No Explain:

3. Beneficial Use Fees have been paid: ☐ Y ☐ N Receipt No: W052464

4. Source: Ground Water Tributary: N/A

Method of Determination: Well Log

Change in Source: ☐ Y ☒ X ☐ N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: ☒ X No Overlap

Water Right No.	Source	Purpose of Use	Basis
63-16922	Ground water	Domestic and Stockwater	Decreed

Comments: Overlapping water right is placed based on the quarter-quarter rather than a specified parcel.

2. Other water rights with the same point of diversion: ☐ No Overlap

Water Right No.	Source	Purpose of Use	Basis
63-12241	Ground water	Domestic and Irrigation	License

Comments: Same owner as the permitted applicant.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			SW	NE	19	01N	01W		Ada

Method of Determination: GIS

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

Place of Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	01W	19			0.7					3.1									
																		Total Acres =	3.8

Place of Use: Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	01W	19			X					X									

Method of Determination: GIS, Tax Parcel Data, and Ada County Imagery 2022

Change in POU? ___Y ___X___N Amendment Required? ___Y ___X___N

3. Diversion System Information:

Description:

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

___X___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).

___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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurement Comments:

No measurement is required for an in-office examination per IDAPA 37.03.02.035.01.r.

E. FLOW CALCULATIONS

___Additional Computation Sheets Attached

Measured Method:

Irrigation: (acres irrigated) x (generic diversion rate) = (3.8 acres) X (0.03 cfs/acre) = 0.114 cfs which rounds to 0.11 cfs.

0.03 cfs/acre applied above is the maximum diversion rate per IDAPA 37.03.02.035.03.b, for irrigation of under 5 acres.

Per permit 63-34863, a diversion rate of 0.02 cfs/acre has been requested and is recommended herein.

Irrigation: (acres irrigated) x (generic diversion rate) = (3.8 acres) X (0.02 cfs/acre) = 0.076 cfs, which rounds to 0.08 cfs.

Stockwater: 0.02 cfs is standard for up to 50 stock per Application Processing Memo #3.

Total=0.08 cfs (irrigation) +0.02 cfs (stockwater) = 0.10 cfs.

Comments:

No measurement is required for an in-office examination per IDAPA 37.03.02.035.01.r.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.8 \text{ acres} \times 4.5 \text{ acre-feet per year per acre} = 17.1 \text{ acre-feet per year.}$

I.R.

$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.10 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 51.6 \text{ acre-feet.}$

D.R.

$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 17.1 \text{ acre-feet per year}$

2. Volume Calculations for Other Uses:

Stockwater: Application Processing Memo #3 gives a standard rate of 0.2 AF annually for 11-25 head of stock.

3. Total Volume Calculation

$V_{\text{I.R.}} + V_{\text{S.W.}} = 17.1 \text{ acre feet per year} + 0.2 \text{ acre-feet per year} = 17.3 \text{ acre-feet per year}$

G. PURPOSE OF USE

Irrigation X Y N # Stock 12 Domestic # of Homes

Other: < >

Change in Purpose of Use? Y X N

Method of Determination: GIS, Tax Parcel Data, 2022 Ada County Aerial Imagery, and the permit holders Statement of Completion for Proof of Beneficial Use.

If Yes: From Use To Use Amount CFS AFA

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office exam because it is for irrigation of 5 acres or less and stockwater use for less than 0.24 cfs. The exam was conducted April 22, 2025, by Collin Macheel. At the time of the exam, ownership of the permit is in the name of Theo and Gary Leavell. Current Ada County taxlot data indicates Gary Leavell, one of the permit holders, as current owner the land appurtenant to the place of use (POU) and point of Diversion (POD). Proof of Beneficial Use was submitted on April 7, 2025.

The original application for permit was submitted with the single POD listed as an existing well on the property. The place of use was described as 3.8 acres on both the application and the permit. This appears to be accurate relative to the available imagery and remote measuring tools available.

Flow calculations in Section E above use a typical generic diversion rate of 0.03 cfs for a POU less than 5 acres (IDAPA 37.03.02.035.03.b) which exceeds the rate requested by the permit. The permitted rate is applied in the recommendations below.

Condition 3 of the permit required the installation of a sounding tube, to permit water level measurement equipment. The intention of this condition was to expand data collection in this area that has documented declines in groundwater levels. The permit owner had a contractor install a 3/4-inch perforated, flush-thread, sounding tube in the well on 9/24/2025. A photograph of the well head with sounding tube is shown in Figure 3 of this exam.

All the conditions of this permit have been met or attempted within reason. Conditions 046 can be dropped because the well has been completed and the permit holder has submitted their statement of completion of beneficial use. Condition 121 will be updated to Condition 103 per the usage description. Condition X02 will also be dropped. Condition R65 was updated to R69. All other conditions on the permit will be carried over to the license, including the requirement for a sounding tube should a new well be as constructed as a replacement for the point of diversion in the future.

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	0.08 cfs	17.1 AF
Stockwater	01/01 – 12/31	0.02 cfs	0.2 AF
		0.10 cfs	17.3 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

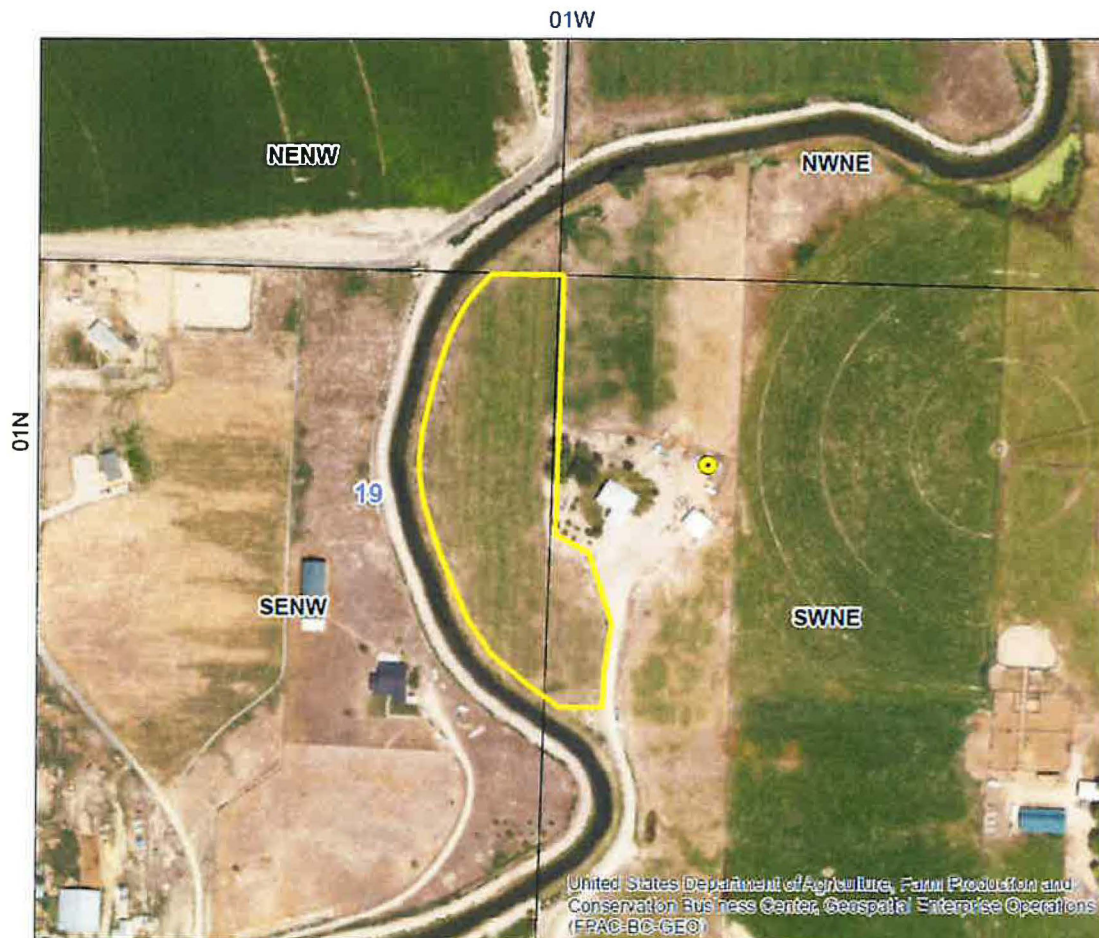
Other: < >

J. AUTHENTICATION – Collin Macheel

Field Examiner's  Date 02-17-25

Reviewer  Date 1/26/25

Figure 1 Place of Use and Point of Diversion for irrigation and stockwater use. Source ESRI ArcMap and 2023 NAIP imagery.



0 0.035 0.07 0.14 Miles

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



Figure 2 Parcel S2219244150 Ada County with 2020 Ortho Imagery. Source Ada County Assessor.

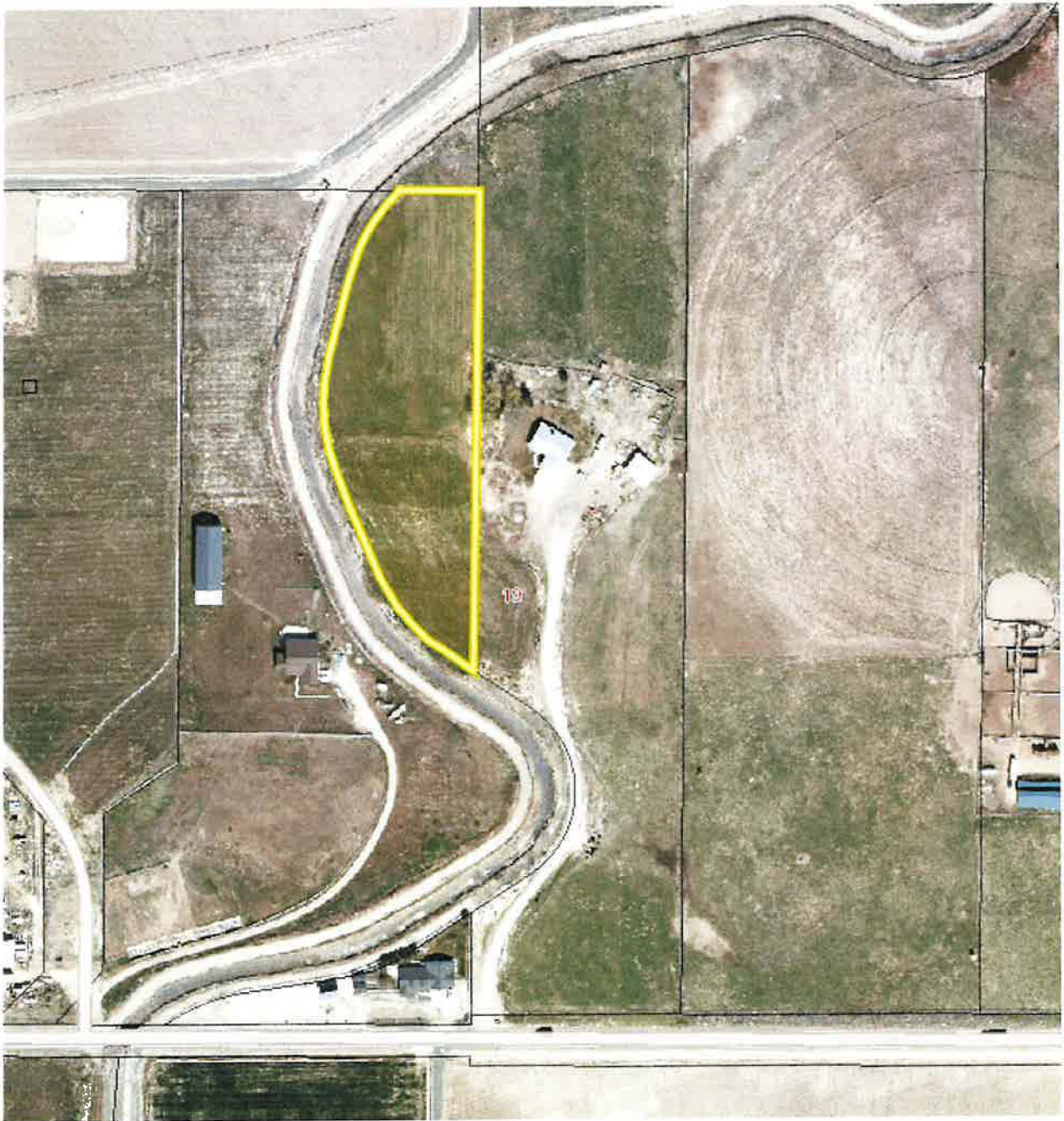




Figure 3. Sounding tube installed at well head per Condition 3 of the permit. Photo taken by permit owner and submitted 9/14/2025.

Macheel, Collin

From: Energy Enterprises <eellcid@gmail.com>
Sent: Wednesday, September 17, 2025 9:02 AM
To: Macheel, Collin
Subject: 7140 West Dickman Rd.

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

This is Dan Stout with OASIS Well Pump

The Well at 7140 West Dickman Rd. is 6 inch casing with 4 1/2 inch Serta liner with 2 inch drop pipe and six gauge drop wire

The well is not drilled straight. It goes every direction creating pressure from the casing to the drop pipe or drop wire disallowing a sounding tube to be attached to the drop pipe.

We have attempted multiple times to attach a sounding tube to the drop pipe by removing all 260 feet of drop pipe attaching sounding tube to it with clamps and tape and then resetting the pump motor and drop pipe with sounding tube attached. When we do this, the sounding tube is just ripped off of the drop pipe due to pressure on the side wall of the casing.

We have also attempted to set the pump motor, drop pipe and wire hang it from the pit list and then attempt to set the sound sounding tube freely. It binds up against pipe drop wire and casing at about 60 feet and we are unable to get any deeper.

Feel free to call me with any questions Dan Stout 208-573-0859.