

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

A. GENERAL INFORMATION

Exam Date: 4/8/2025

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

2. Current Owner: Larry & Susie Troyer

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: C120028.

4. Source: Tributary:

GROUND WATER

N/A

Method of Determination: GIS ArcMap Tools, Aerial Imagery, and Taxlot Data.

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

Comments: None

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

Water Right No.	Source	Purpose of Use	Basis

Comments: None

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			NE	SW	35	46N	05W	B.M.	Benewah

Method of Determination: GIS and Taxlot data.

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

2. 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	
46N	05W	35									1.0								
		Lot #																	
Total Acres =																			1.0

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	
46N	05W	35									X								
		Lot #																	

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	
46N	05W	35									X								
		Lot #																	

Method of Determination: GIS, Tax Parcel Data, and 2023 Benewah County Aerial Imagery.

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) = (1 acre) x (0.03 cfs/acre)= 0.03 cfs.

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

Domestic: 0.04 cfs is standard for domestic use of 1 home per Application Processing Memo #22.

Total = 0.03 cfs (irrigation) + 0.02 cfs (stockwater) + 0.04 cfs (domestic) = 0.09 (permit lists a maximum diversion rate of 0.06 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:**

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \text{ acres} \times 3.0 \text{ acre feet} = 3.0 \text{ acre feet.}$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \text{ cfs} \times 214 \times 1.9835 = 25.5 \text{ acre feet.}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.0 \text{ acre feet.}$

2. Volume Calculations for Other Uses:

Stockwater: Application Processing Memo #3 gives a standard rate of 0.2 AF for 0-10 stock.

Domestic: 0.6 af is standard for one home when irrigation is separated per Application Processing Memo #22.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock 5 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: GIS, Tax Parcel Data, 2023 Benewah 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 it is also for domestic and stockwater use for less than 0.24 cfs. The exam was conducted April 8, 2025, by Jared Klay. At the time of the exam, ownership of the permit is in the name of Larry & Susie Troyer. Current Benewah County taxlot data represents the permit holders own the land appurtenant to the place of use (POU) and point of Diversion (POD). Proof of Beneficial Use was submitted on February 3, 2025.

The place of use was described as 1 acre on both the application and the permit. Further review using Google Earth imagery and GIS data confirmed this acreage. Thus, I am recommending 1 acre for the place of use for irrigation. I am recommending 0.03 CFS for the diversion rate and 3.0 AF for the annual volume of irrigation. Aerial imagery and photos provided by the permit holders also confirmed domestic and stockwater use on the property. I am recommending 0.02 cfs for the diversion rate and 0.2 af for the annual volume of stockwater. I am recommending 0.04 cfs for the diversion rate and 0.6 af for the annual volume of domestic use, bringing the total volume to 3.8 AF. The overall maximum diversion rate will remain as 0.06 cfs per the permit.

All the conditions of this permit have been met. Conditions 046 and 26A can be dropped because the well has been completed and the permit holder has submitted their Statement of Completion of Beneficial Use. Condition X02 will be dropped per the usage description. Condition 004 will be dropped because there are no property concerns. All other conditions on the permit will be carried over to the license.

Have conditions of permit approval been met? ☒ 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	04/01-10/31	0.03 CFS	3.0 AF
Stockwater	01/01-12/31	0.02 CFS	0.2 AF
Domestic	01/01-12/31	0.04 CFS	0.6 AF
<u>Totals:</u>		0.06 CFS	3.8 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

Other: < >

J. AUTHENTICATION – Jared Klay

Field Examiner's *Jared Klay* Date 6/23/25

Reviewer *[Signature]* Date 6/27/25

Map showing the authorized point of diversion (yellow point) and irrigated place of use (yellow outline).



Map showing the authorized point of diversion (yellow point) and place of use (yellow outline) for stockwater.



Map showing the authorized point of diversion (yellow point) and place of use (yellow outline) for domestic use.



Google Earth Imagery (dated 7/2022)



Photos submitted by the permit holders



