

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

A. GENERAL INFORMATION

Exam Date: 3/27/2025

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: Ralph & Susie Lowe
- 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: W052105
4. Source: Ground Water Tributary: N/A

Method of Determination: GIS 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
63-3429	Ground Water	Irrigation	License

Comments: Status of this water right is "superseded by decree".

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

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			NW	NE	25	05N	01E	B.M.	ADA

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	
05N	01E	25		0.4															
		Lot #																	
																		Total Acres =	0.4

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	
05N	01E	25		X															
		Lot #																	

Method of Determination: GIS and Taxlot data.

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	2	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: (acres irrigated) x (generic diversion rate) = (0.4 acres) x (0.03 cfs/acre) = 0.012 cfs, which rounds to 0.01 cfs.

0.04 cfs is standard for domestic use per Application Processing Memo #22.

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:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.4 \text{ acres} \times 4.5 \text{ acre-feet/acre} = 1.8 \text{ acre-feet.}$$

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.01 \times 260 \times 1.9835 = 5.2 \text{ acre-feet.}$

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.8 \text{ acre-feet.}$

2. Volume Calculations for Other Uses:

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 _____ Domestic # of Homes ☐ 1 _____

Other: < >

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: GIS, taxlot data, and permit holder's Statement of Completion 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 domestic use with a diversion rate of less than 0.24 cfs. The exam was conducted on March 27, 2025, by Jared Klay. At the time of exam, ownership of the permit is in the name of the Ralph Lowe and Susie Lowe. Current Ada 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 December 16, 2024.

In section 5 of the proof of beneficial use, the permit holder described the system as a "2 HP well pump @ 300' w/ Rainbird type sprinkler system (lawn & landscaping)". The place of use for irrigation was described as 0.5 acres on both the application and the permit. ArcMap tools and aerial imagery were able to confirm that domestic structure is in place and associated irrigation was 0.4 acres. Thus, I am recommending a diversion rate of 0.04 cfs and an annual volume of 0.6 af for domestic use. I am recommending a rate of 0.01 cfs and a volume of 1.8 af for irrigation.

Condition 930 was added to the permit, requiring a water bearing zone of 235-335 feet. In an attempt to verify this, I reached out to Coonse Well Drilling, and they did not have a well report, but they indicated they did install a new pump in the well in 2013. I called Ralph Lowe on 3/26/2025 and he confirmed this, providing anecdotal evidence from Coonse Well Drilling in 2013 that the pump was installed at 300', a bottom well depth of 336', and a static water level of 235'. This information should be considered sufficient for demonstrating that condition 930 has been complied with.

All the conditions of this permit have been met. Condition X31 will be updated to reflect the recommended rate and associated volume with the confirmed acreage. Condition 049 will be dropped, as the well construction has been completed and the statement of completion of beneficial use has been submitted. Condition 121 will be replaced with Condition 103 per the usage description. Condition X01 will be replaced with Condition 132. 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	03/01-11/15	0.01 cfs	1.8 AF
Domestic	01/01-12/31	0.04 cfs	0.6 AF
<u>Totals:</u>		0.04 cfs	2.4

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

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



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



Ada County Aerial Imagery



Klay, Jared

From: Ralph Lowe <gotoelowe@gmail.com>
Sent: Thursday, March 27, 2025 7:52 AM
To: Klay, Jared
Subject: Re: Permit 63-35605

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.

Jared,
Here is the info I had on my phone.
Ralph & Susie Lowe

1990 - pump at 280', 2hp,
7 gal/min

In 2013
pump replaced and installed at 300'
(from 280')
2hp,
10gal/min
Well depth (bottom) 336'

Static water level at 235' in Aug 2013 (pump 300')
Draw down of 65' before cavitation.....9 years ago

On Wed, Mar 26, 2025, 1:08 PM Klay, Jared <jared.klay@idwr.idaho.gov> wrote:

Ralph & Susie,

I am looking over your permit and statement of completion of beneficial use for Permit 63-35605 at 8130 W SPRING CREEK WAY. I was trying to confirm the water bearing zone of the well, which is mentioned in one of the conditions on the permit. I was wondering if you have a copy of a well driller's report for your well? It sounds like the well is old enough that it may not have one, which is not uncommon if it was drilled back in the 70s. I noticed on your application for permit, you referenced a water bearing zone of 235'-335' and a static water level of 235'. Was this information provided to you by Coonse Well Drilling? I reached out to them and it doesn't seem they drilled the well but they did have record that they installed a pump around 2012. Did they obtain that information during that process? Sorry I know that's a lot of questions 😊 if you could let me know any additional information, that would be great. Thanks! 🙏

Jared Klay