

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

A. GENERAL INFORMATIONPermit No: 63-35266

Exam Date: 8/26/2024

1. Does this qualify for an in-office field exam (IDAPA 035.02.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: Name: Johnson, Jeff
 Owner of Record Correct? X Y N
 Address of Record Correct? X Y N

3. Fees have been paid: Y X N Receipt No: N/A
 No fees necessary, total diversion rate is less than 0.04cfs.

4. SOURCE

Groundwater

Method of Determination: Arc Map, Well Driller's Report

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: NONE

Water Right No.	Source	Purpose of Use	Basis
63-11798	Groundwater	Municipal	License
63-8599B	Groundwater	Municipal	Decreed

Comments: Veolia Water Idaho Inc. and the City of Boise both have many municipal water rights overlapping the place of use for this permit. These overlapping water rights are under the basis of licensed or decreed and are not a concern due to municipal purpose of use. This water user does have access to municipal water through one of these licenses for a household if they do build in the future. They did not utilize municipal water during the development period.

2. Other water rights with the same point of diversion: X NONE

Water Right No.	Source		Purpose of Use	Basis
NA	NA	NA	NA	NA

Comments: This is a well serving a single parcel and does not have any overlapping water rights using this point of diversion.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			SE	SE	12	03N	02E	B.M.	ADA
								B.M.	
								B.M.	

SCANNED

8/27/2024

Method of Determination: Arc Map, Well Driller's Report

Change in POD? ____Y__X__N Amendment Required? ____Y__X__N

2. **PLACE OF USE:** 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	
03N	02E	12																X	
		Lot #																	
Total Acres =																			

Method of Determination: Arc Map

Change in POU? ____Y__X__N Amendment Required? ____Y__X__N

3. X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0097556		0.5			

*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
NA	NA	NA	NA	NA	NA	NA

2. Measurements: No measurement was taken. Review is consistent with IDAPA 37.03.02.035.01(r)

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Theoretical Measurement:

$$Q = (8.8 \times 0.5\text{hp}) \times (0.7) / [(350) + (40 \times 2.31)] = 3.08 / 442.4 = 0.01$$

Measurement = < > cfs No measurement required**Permit allowed = 0.04 cfs****Permit irrigation: 0.04 cfs with domestic use****BU standard irrigation: 0.03 cfs x 0.5 acre = 0.02 cfs****License recommend for 0.02 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ acres} \times 4.5 \text{ AF} = 2.3 \text{ AFA}$$

SCANNED

KODAK

$$V_{I.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ cfs} \times 259 \times 1.9835 = 10.8 \text{ AFA}$$

$$V_{D.R.} = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.3 \text{ AFA}$$

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock ☐ N/A Domestic # of Homes ☐ N/A

Other: < >

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: Proof of beneficial use, GIS

H. NARRATIVE/REMARKS/COMMENTS

This water right was issued to utilize groundwater for domestic use at a rate of 0.04 cfs. After reviewing the Proof of Beneficial Use and speaking with the water user, it was confirmed that no domestic household has been built. Beneficial use has been developed to irrigate one half acre. The east end of the irrigated area is irrigated with a drip line, while the rest of the half acre is irrigated with 1" rotor lines (figure 1). The point of diversion only delivers water to the area covered by this permit. Veolia Water Idaho Inc. and the City of Boise both have many municipal water rights overlapping the place of use for this permit. These overlapping water rights are under the basis of licensed or decreed and are not a concern due to municipal purpose of use, though this water user does have access to municipal water if they build on this parcel. Municipal water was not utilized during the development period. A rate of 0.02cfs is recommended for this license. The theoretical calculation used conservative lift and PSI to show a low estimate of the capabilities of this delivery system, showing 0.01cfs. This is close enough to the 0.02cfs needed to irrigate the area of beneficial use for this permit and is assumed that the delivery system can deliver 0.02cfs efficiently.

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>VOLUME</u>
Domestic	01/01 – 12/31	0.02 CFS	2.3 AFA
<u>Totals:</u>		0.02 CFS	2.3 AFA

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. AUTHENTICATIONField Examiner's Name Kate Englund Date 8/28/2024Reviewer  Date 11/21/24



Figure 1 One inch rotor lines are represented by black lines around the irrigated area. There is also one drip line within the irrigation system, represented by a thick black line labeled "drip line"

SCANNED
2011/08



Figure 2 Photo of point of diversion (well head)

Englund, Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Wednesday, September 18, 2024 9:29 AM
To: Englund, Kate
Subject: Re: Final paperwork.

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.

Yes I do

From: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Sent: Tuesday, September 17, 2024 4:19 PM
To: Jeff Johnson <jeff@artisanoptics.com>
Subject: RE: Final paperwork.

Hey Jeff!

Your license is still under review, though I am writing the report, and we are wrapping up the process relatively soon. Do you have access to municipal water on your parcel should you need it for a household in the future?

Thanks!

Kate

From: Englund, Kate
Sent: Wednesday, September 11, 2024 3:50 PM
To: Jeff Johnson <jeff@artisanoptics.com>
Subject: RE: Final paperwork.

Hey Jeff!

I handed off a draft of your license to my supervisor which is under review by him. I will update you on the process when I receive it back!

Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Wednesday, September 11, 2024 12:01 PM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Final paperwork.

RECEIVED
SEP 17 2024

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.

Kate,

Good morning, I have been out of town and now in the process of catching up.

Just checking to see how the final paperwork for the well is doing. Please let me know where I stand.

Thanks,

Jeff Johnson
152 N Al Fresco Place
Boise, ID 83712
208.866.9224

SCANNED

2021/10/15

Englund, Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Monday, August 26, 2024 5:18 PM
To: Englund, Kate
Subject: Re: Fw:

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.

It has a variable range from 20-40 PSI. I usually run it a 40

From: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Sent: Monday, August 26, 2024 3:46 PM
To: Jeff Johnson <jeff@artisanoptics.com>
Subject: RE: Fw:

Hey Jeff!

When you have a moment, can you tell me the PSI of your irrigation system?

Thank you so much!

Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Friday, August 23, 2024 1:38 PM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Fw:

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.

Kate,

Here is a picture of the well head.

Thanks,
Jeff Johnson
152 N Al Fresco Place
Boise, ID 83712
208.866.9224

Englund, Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Wednesday, August 21, 2024 9:17 AM
To: Englund, Kate
Subject: Adequate drawings

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.

Kate,

Just want to check in in make sure you received my drawings and if they are adequate for what you need.

Let me know if you have any questions.

Thanks,

Jeff Johnson
152 N Al Fresco Place
Boise, ID 83712
208.866.9224

Englund, Kate

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Tuesday, August 20, 2024 9:16 AM
To: Englund, Kate
Subject: Re: Final phase
Attachments: Schematic for watering.pdf

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.

Here is the schematic for the irrigation system. There will be 1" rotor lines for the grass and 1 drip line.

There are no plans for a domestic household.

Thanks, let me know if you need more clarification for detail

From: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Sent: Monday, August 19, 2024 1:55 PM
To: Jeff Johnson <jeff@artisanoptics.com>
Subject: RE: Final phase

Yes, if you follow the link to the Ada county mapper you can search the correct address. We have been looking at 152 N Al Fresco Pl. Do we have an incorrect address in our records?

[County Mapper | Ada County GIS \(id.gov\)](#)

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Monday, August 19, 2024 1:29 PM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Re: Final phase

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.

The aerial image that you sent does not match the property. Is there a trick to this where I input an address or something?

From: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Sent: Monday, August 19, 2024 1:14 PM
To: Jeff Johnson <jeff@artisanoptics.com>
Subject: RE: Final phase

Dear Jeff Johnson,

63-35266
KE

The Department of Water Resources received the Proof of Beneficial Use you submitted for permit #63-34390. I am currently reviewing the permit eligibility for an in-office examination for licensing. In-office examination expedites the licensing process by using information and documentation submitted by the permit holder(s) and GIS aerial images to process the examination without the need for a field examination to be scheduled and conducted at a later time. The permit issued provided a scope for the development of future uses. The purpose of the examination is to record the details of the use that has been developed.

After reviewing your Proof of Beneficial Use, there are a few items in need of further information or clarification.

(1) The permit allows for 0.04cfs for domestic use for one half acre irrigation and one domestic household. Your statement of completion states that water is only being used for irrigation. Is there a domestic household on the property or will there be in the near future?

(2) Please provide a sketch of the system diagram from the point of diversion to delivery for the irrigation occurring. Making sure to identify the **boundary of the area(s) irrigated, sprinklers, water lines** (including dia. and type, for example ½" poly pipe), the **pump** (including the **Hp, make and model**). This can be drawn on one of the images I have attached to this email, or you may use your own. Then attach the diagram to an email with any additional information regarding the system and/or that would be helpful in describing the system diagram.

Feel free to reach out to me with any questions or concerns regarding the items requested. If I am unavailable any of my team members should be able to assist you, if you provide your permit #63-35266. It is important that you **respond to this request within 14 days** by email and/or phone, to pursue this method to expedite your licensing process.

Thank you for your time and attention in this matter.

Kate Englund
Water Resources Agent
(208) 605-4627

From: Jeff Johnson <jeff@artisanoptics.com>
Sent: Monday, August 19, 2024 1:12 PM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Final phase

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.

test

