

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

A. GENERAL INFORMATION

Permit No: 65-24173

Exam Date: 8/26/2024

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- a. X Irrigation of 5 acres or less
- b. X 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: Name: Steven and Gene Yundt
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N

3. Fees have been paid: X Y N Receipt No: 65-24173 (from proof of BU)

4. SOURCE

Spring – South Fork Payette River

Method of Determination: GIS

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

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

Water Right No.	Source	Purpose of Use	Basis
65-10377	Horn Creek – South Fork Payette River	Irrigation	Decreed
65-12495	Springs – South Fork Payette River	Heating	License

Comments: Water right application 65-13277 has been voided, though it did overlap with the place of use for this permit. The source was springs for irrigation use. Water right 65-10377 is an active right used for irrigation from Horn Creek. The place of use overlaps with the parcel by 0.18 acre in the northwest corner. This does not overlap with the place of use described by the owner. Water right 65-12495 is active but not a concern because the purpose of use differs from this permit.

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

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: There are no other water rights with the same 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
Spring – South Fork Payette River	11	SW	SE	SW	6	08N	05E	B.M.	Boise

Method of Determination: GIS and diagram provided by owner

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

2. **PLACE OF USE:** Use: Irrigation, Domestic, Domestic Storage, 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	
08N	05E	6											1.1					1.1	
		Lot #											11						
															Total Acres =			1.1	

Method of Determination: ArcMap

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

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Measured Method:

Measurement = No measurement required.

Permit allowed = 0.08 cfs

License recommend for 0.08 cfs.

- Permit irrigation: 0.03 cfs for 2.1 acre
- BU Standard irrigation: 1.1 acres x 0.03 cfs/acre standard = 0.03 cfs (AP MEMO 17)
- Permit stockwater: 0.01 cfs for 4 horses
- BU Standard stockwater: 0.02 cfs for 4 horses (AP MEMO 3)
- Permit domestic: 0.04 cfs for 1 home
- BU Standard domestic: 0.04 cfs for 1 home (AP MEMO 22)

Recommendation Stockwater: 0.01 cfs, Irrigation .03 cfs, domestic 0.04 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \text{ acres} \times 2.5 \text{ AF} = 5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.03 \text{ cfs} \times 230 \text{ days}) \times 1.9835 = 13.69 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 5 \text{ AFA}$$

2. Volume Calculations for Other Uses:

- Domestic 0.6 acre-feet per Application Processing Memo 22 (irrigation listed separately)
- Stockwater 0.2 acre-feet per Application Processing Memo 17

Owner acknowledged 3000 gallons total storage, daily volume based on diversion rate is equal to 51,700 gallons. No storage component required.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock ☒ 3 Domestic # of Homes ☐ 1

Other:

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: GIS, proof report, and provided diagram

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This permit utilizes water from a spring to provide water to a single domestic household, provide stock water to up to four horses, and irrigation for 2.1 acres. A drainpipe is used to collect and deliver water to a 2500-gallon storage tank and 500 gallon overflow tank. The 2500 gallons of storage water is not required to be listed as a domestic storage component since it is compliant with IDAPA 37.03.08. A one-inch pipe is used to deliver water to the house, 300ft away from the spring. This parcel has one overlapping water right (Water right #65-10377) in the northwest corner of the parcel for irrigation from Horn Creek (figure 2). However, the place of use does not overlap the place of use for this permit. Water right 65-12495 is active but not a concern because the purpose of use differs from this permit. The point of diversion does not supply water to any other permits or rights. Water right application 65-13277 has been voided, though it did overlap with the place of use for this permit. The source was springs for irrigation use.

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	04/15-10/31	0.03 CFS	3.9 AFA
Stockwater	01/01-12/31	0.01 CFS	0.2 AFA
Domestic	01/01-12/31	0.04 CFS	0.6 AFA

Totals: 0.08 CFS 4.7 AFA

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

Other: < >

J. AUTHENTICATION

Field Examiner's Name Kate Englund Date 8/26/2024

Reviewer *Cody* Date 10-9-2024



Figure 1 Diagram provided by water permit holder representing point of diversion (dot, labeled "spring"), storage tank represented by a square downhill from spring, irrigated horse pasture, and domestic household



Figure 2 Aerial image demonstrating overlapping water rights. The northwest corner of this parcel is the place of use for another after right used for irrigation. The entire parcel is within the place of use for a water right used for heating.

Englund, Kate

From: Steve Yundt <spyy15@gmail.com>
Sent: Monday, August 26, 2024 8:52 AM
To: Englund, Kate
Subject: Re: Request for Information

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.

Thx. No hurry. I know you are very busy.

On Mon, Aug 26, 2024, 8:43 AM Englund, Kate <Kate.Englund@idwr.idaho.gov> wrote:

Hey Steve!

I did receive your response. I apologize for my slow response! I am working on your in-office exam and meeting with my supervisor tomorrow about it, hopefully we can get this licensed by the end of the week!

Kate

From: Steve Yundt <spyy15@gmail.com>
Sent: Sunday, August 25, 2024 8:51 AM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Fwd: Request for Information

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.

Just checking to make sure you received my response to your question. I haven't heard.

----- Forwarded message -----

From: **Steve Yundt** <spyy15@gmail.com>

Date: Tue, Aug 20, 2024, 10:53 AM

Subject: Re: Request for Information

To: Englund, Kate <Kate.Englund@idwr.idaho.gov>

1. The spring source is represented by the dot near the property line west and uphill from the 2500 gal storage tank. the 2500 gal storage tank is represented by the square closest to the spring source. The 2500 gal storage tank is less than 10 feet horizontal from the spring collection source and the top of the storage tank is ~1' below the spring collection source. The circle below the 2500 gal storage tank is a 500 gal round stock tank that collects overflow water after the 2500 gal tank is full. Spring water gravity flows into the 2500 gal storage tank. When that tank is full it overflows into the stock tank.

2. Water is delivered to horse water tanks via a 1" pipeline that comes out of the overflow stock tank, which is immediately below the 2500 gal storage tank. Overflow tank water is delivered to a hydrant in the barn via a 1" pipeline.. The 1" pipeline then T's and carries water to 2 hydrants used to water horse tanks in the horse pasture. Horse water is provided by the overflow tank to prevent accidentally draining the 2500 gal storage tank (domestic water), which has happened.. There are 2 horse water tanks. This pipeline has frozen during some winters, and 2500 gal storage tank water is has been used to water horse tanks.

3. Lawn, flowers, and bushes around the house are watered by the overflow tank water, as well as by storage tank water.

Sorry this is confusing. I hope this helps.

On Tue, Aug 20, 2024 at 8:47 AM Englund, Kate <Kate.Englund@idwr.idaho.gov> wrote:

Good morning!

Thank you for explaining your system for me! The diagram also looks useful, though I do want to clarify just a few minor details.

1. Is the storage tank represented by the circle just downhill of the spring?

2. I can use the barn for the place of use for domestic water but would like to clarify in writing, do you use troughs to deliver water to your horses? If so, how many?
3. Is the horse pasture your only place of use for irrigation?

I appreciate your patience and assistance throughout this process!

Kate

From: Steve Yundt <spyy15@gmail.com>
Sent: Monday, August 19, 2024 8:23 PM
To: Englund, Kate <Kate.Englund@idwr.idaho.gov>
Subject: Re: Request for Information

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Kate

I made a new picture of my lot using onxmap software. The one you sent didn't go up the hill far enough to show the spring location. Let me know if you can decipher it. If not we can make a different plan.

The attached photo shows the house, barn, shed, spring, hydrant, and storage tank locations.

Water is collected from the spring which is buried. Water flows in the draw until August. Then all water is collected underground.

Collected water is drained into a 2500 gal. storage tank. When that tank is full, water overflows into a 500 gal round stock tank. Two 1" lines bring the water down the hill. tank. 2500 gal tank water comes into the house. Overflow tank water is used for stock and grass watering when available .House water

(domestic) is used for household and grass watering, and stock watering when overflow water is not available.

I am guessing that today not more than 250 gal are being collected by the spring.

I hope this works. Call with questions. I'll be away from the landline for the next week, but should be available via cell 208 870 0637.. Thanks for your help.

On Fri, Aug 16, 2024 at 3:37 PM Englund, Kate <Kate.Englund@idwr.idaho.gov> wrote:

Dear Gene or Steven,

The Department of Water Resources has received your statement of completion for permit 65-24173. I am currently processing an in-house examination for licensing, which will expedite the licensing process by using information submitted by the permit holder. Before completing this examination, I will need to review a diagram of your water delivery systems. I understand that you are using water to irrigate 5 acres, provide stockwater, and utilize domestic storage from a nearby spring. I have attached a satellite image of the irrigated place of use from the permit application. You can either print that off, hand draw a diagram, and scan a copy to me or draw a diagram electronically. Can you also send a photo of the point of diversion? I also need a clear photo of the water diversion, such as the area where water is collected before entering the storage tank.

I appreciate your help!

Kate E.

Water Resources Agent