

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

A. GENERAL INFORMATIONPermit No: 85-15805

Exam Date: 12/11/2020

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

2. Current Owner: Name: Richard Kelly and Connie Kelly Revocable Living Trust
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Department's tax parcel data shows the property for the place of use and point of diversion is in the ownership of the Richard K. Kelly and Connie L. Kelly Revocable Trust. There shouldn't be any issues with ownership.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C109604

4. **SOURCE** **TRIBUTARY**

Ground Water

Method of Determination: GIS, Well Driller's Report, and Tax Parcel DataChange in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-15525	Ground Water	Domestic	Decree

Comments: Water right 95-15525 and this permit divert from the same well. The decree didn't allow adequate irrigation, so they filed this permit. The domestic and irrigation use started in approximately 2006, so a permit was needed, since the irrigation happened after the mandatory permit requirement for ground water.

2. Other water rights with the same point of diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-15525	Ground Water	Domestic	Decree

Comments: Water right 95-15525 and this permit divert from the same well. The decree didn't allow adequate irrigation, so they filed this permit. The domestic and irrigation use started in approximately 2006, so a permit was needed, since the irrigation happened after the mandatory permit requirement for ground water.

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

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Well			SE	SW	29	35N	5W	B.M.	NEZ PERCE
								B.M.	
								B.M.	

Method of Determination: GIS, Well Driller's Report, and Tax Lot data.Change in POD? X N Amendment Required? X N**2. PLACE OF USE:** 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	
35N	5W	29												1.2					1.2
		Lot #																	
Total Acres =																			1.2

Method of Determination: GIS and Tax Lot Data

PLEASE NOTE: Water right 85-15525 authorizes up to 1/2 acre of irrigation under the domestic component. A total of 1.7 acres are being irrigated from a single well, but 0.5 acre (1/2 acres) of the 1.7 acres being irrigated is already covered by water right 85-15525

Change in POU? X N Amendment Required? X N Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

 X 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
Well Pump	Unknown				

*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
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS

___Additional Computation Sheets Attached

Measured Method:

There was no information submitted with the application for permit or in the water right file for 85-15525 that tells what the size of the well pump is for this permit. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memo #17.

Administrative Memo #17 = 0.03 cfs/ac X 1.2 acres = 0.036 cfs rounded to 0.04 cfs
Permit allowed = 0.08 cfs for 2.5 acres

I am recommending 0.04 cfs based on Administrative Memorandum #17. There will not be any combined limitations with water right 85-15525, since there is no information in either file that suggests the capacity of the pump.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.2 \times 4.0 \text{ af/ac} = 4.8 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \text{ cfs} \times 289 \text{ days} \times 1.9835 = 22.9 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.8 \text{ af}$$

2. Volume Calculations for Other Uses:

N/A

G. PURPOSE OF USE

Irrigation X Y ___ N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ___Y ___N

Method of Determination: Taxlot data and GIS

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

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The well supplying this permit shares a well with water right 85-15525. Water right 85-15525 is a domestic use that authorizes ½ acre of irrigation from the same well. I created a shape file of the irrigated area and discovered that 1.7 acres were actually irrigated. 1.7 acres – 0.5 acres covered by water right 85-15525 = 1.2 acres of irrigation that can be authorized by this permit. I retained the 1.7 acre place of use shape file in our GIS database for the Department's records, because I couldn't confirm which acres were originally irrigated by the domestic water right. Therefore, I was unable to remove a ½ of irrigation from the shape file to show the exact 1.2 acres irrigated by this permit.

I am concerned with the high diversion rate authorized by water right 85-15525 (0.07 cfs) when combined with this permit (0.07 cfs + 0.04cfs = 0.11 cfs) could be well above what a normal domestic type pump station could provide. Unfortunately, there is not enough information in the file to determine the actual amount of water being diverted at this site, so these two water right must be considered additive. Any future administrative action on 15525 should include a confirmation of the flow rate on this pumping system.

Conditions R68 and F06 should be carried forward to licensing. There are also two conditions without condition codes regarding the Lewiston Plateau Ground Water Management Area that should also be carried forward to licensing. The remaining conditions should be removed. There are no additional conditions needed to license this permit.

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	02/15 to 11/30	0.04 CFS	4.8 AFA
<u>Totals:</u>		0.04 CFS	4.8 AFA

Please Note: This is a surface water right, so no volume will be included on the water right license.

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 – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 12-11-20

Reviewer  Date 12/11/2020

Field Exam Map:

The yellow border in the aerial image below shows the 1.7 acres of ground being irrigated under this permit and water right 85-15525. This permit authorizes the irrigation of 1.2 acres within that border. None of the historic photos show less than 1.7 acres being irrigated, so I cannot determine which $\frac{1}{2}$ acres of ground is being irrigated under the domestic right 85-15525. The green border is the tax parcel and the place of use for water right 85-15525. The yellow dot is the location of the well and the point of diversion for both water right 85-15525 and this permit.

