

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

A. GENERAL INFORMATIONPermit No: 95-17826Exam Date: 7/26/2022

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: Kerry Prather
- Owner of Record Correct? X Y N
- Address of Record Correct? Y N
- If No: Address

The Department's parcel data shows both parcels involved with this permit are owed by Kerry Prather. I don't see any issues with the ownership of this permit.

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

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: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights on these two parcels.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights on this well or on these two parcels.

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 Tag # D0054737			SW	NW	13	52N	4W	B.M.	Kootenai
								B.M.	
								B.M.	

Method of Determination: GIS, Well Driller's Report, and Tax Parcel Data.Change in POD? ☒ X ☐ N Amendment Required? ☒ X ☐ N**2. PLACE OF USE:** Use: Domestic and 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	
52N	4W	13							D										
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Parcel DataChange 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 to determine the flow rate for the well. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memo #22. The application for permit states that there will be two homes with irrigation of a small yard. It should be noted that the applicant only requested a diversion rate of 0.04 cfs and no communication was attempted during the application processing process to determine if the permit holder would have wanted the higher diversion rate that would be more suitable for a domestic use for 2 homes.

Administrative Memo #22 = 0.06 cfs for domestic use.

Permit allowed = 0.04 cfs for domestic use

I am recommending 0.04 cfs for domestic use based on the limits imposed by the permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

Administrative Processing Memorandum #22 provides guidance to allow 1.2 acre-feet for in-house use and yard irrigation. Two homes at 1.2 acre-feet would allow up to 2.4 acre-feet. The diversion rate allowed can provide the 2.4 acre-feet. **I am recommending that this permit be limited to 2.4 acre-feet for domestic use.**

G. PURPOSE OF USE

Irrigation ___Y___N # Stock _____ Domestic # of Homes 2

Other: < >

Change in Purpose of Use? ___Y___N

Method of Determination: Taxlot data and conversations with owner.

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

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. This permit authorized ground water use from a single well to supply water to 2 homes. The well location is slightly different than the well shape file and the point shown on the application for permit. However, the well driller's report has GPS coordinates that place the well very close to the point marked on the application for permit map. I am going to use the GPS coordinates to create a point in the mapping for the point of diversion.

My only concern is that the application was filed for a diversion rate of 0.04 cfs, which is less than is allowed or recommended for a 2 home domestic permit. Administrative Processing Memorandum #22 allows up to 0.06 cfs for 2 domestic uses from the same well. I was surprised the permit holder was not contacted to determine if they would want the recommended amount.

The aerial imagery clearly shows two homes. There is a home on each of the tax parcels. It appears as though the permit has been developed as authorized by the permit.

I am concerned that there appears to be a pond on the property. After looking at historic photos, the pond appears to either be natural or an older mine tailings pond. The pond also appears to have been enlarged. This will have to be addressed in the future, since it doesn't appear to be filled with the well because it was in place prior to the well.

Conditions X04, 187, and 004 should be carried forward to licensing. No further conditions are required for the licensing of 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>
Domestic	01/01 to 12/31	0.02 CFS	2.4 ~~1.2~~ AFA
<u>Totals:</u>		0.02 CFS	2.4 ~~1.4~~ 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 – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 7-26-22

Reviewer  Date 7/29/22

Field Exam Map:

The yellow border shows the place of use for the domestic use and the yellow point shows the point of diversion. The parcel boundaries are shown in the Latah County Parcel maps below.

