

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

A. GENERAL INFORMATIONPermit No: 81-12017

Exam Date: 1/23/2018

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Larry R. Herod
 Owner of Record Correct? X Y N
 Address of Record Correct? X Y N
 If No: Address

Tax lot data shows Larry Randolph Herod as the owner of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C106151

4. SOURCE TRIBUTARY

Ground Water

Method of Determination: Well Driller's Report, GIS and Tax Parcel Data

Change 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: No water rights, claims or recommendation are shown in this 40 acre tract.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: No water rights, claims or recommendation are shown in this 40 acre tract.

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
River Diversion			SW	SE	30	56N	3W	B.M.	BONNER
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Lot data. The Well Driller's Report shows the well in a different location, but the ownership for this property confirms that well location found in the permit is correct.

Change in POD? X N Amendment Required? 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	
32N	5E	29		X															
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Lot 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	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 CALCULATIONSYES Additional Computation Sheets Attached

Measured Method:

There was very little information in the file describing the pumping system for this permit, so I used the standards set forth by Processing Administrative Memorandum #22 for in-house use and up to ½ acre of yard irrigation.

Processing Administrative Memorandum #22 = 0.04 cfs for one home
Permit allowed = 0.04 cfs

I am recommending a diversion rate of 0.04 cfs as approved in permit and according to Processing Administrative Memorandum #22.

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:

There was very little information in the file describing the pumping system for this permit, so I used the standards set forth by Processing Administrative Memorandum #22 for in-house use and up to ½ acre of yard irrigation of 1.2 af. However, this permit has a condition that limits the use to 13,000 gallons per day, so there will be no volume limitation on the license.

G. PURPOSE OF USEIrrigation Y N # Stock Domestic # of Homes 1

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 field examination. The application for this permit originally sought to allow 2 homes to use this well for domestic use. That permit was later amended to allow only a single home from the well. There is nothing in the record that explains why the second home was removed from the permit. I could not find a well driller's report for the second property, so I am assuming that the second property is operating out of this well based on the domestic exemption. We cannot require the second property to file a water right permit, so it may be cause for regulation in the future. At this time, it appears as though this permit would make both uses legal, one with a water right and the other based on the domestic exemption.

There is a well driller's report in the file, but it doesn't match the legal description of this permit. However, it does match the name of the original property owner. Therefore, I am assuming that is the correct well driller's report for this well.

Conditions 1 and 2 on the permit form are automatically removed at licensing. Condition 4 (046) will also be removed prior to licensing as is standard. Condition 3 (004) should remain on this permit, since there is a question as to whether or not there is a second exempt domestic use using this well. The remaining conditions should be carried forward to licensing.

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>
Domestic	01/01 to 12/31	0.04 CFS	
<u>Totals:</u>		0.04 CFS	

Please Note: This permit has a condition that limits the use to 13,000 gallons per day, so no volume will be added to the 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 2-5-19

Reviewer _____ Date _____

Permit 81-12017 Field Exam Map

The 2013 aerial imagery below shows the place of use (yellow border) and point of diversion (yellow dot). The property on the southwest border in the aerial imagery was on the original application for permit, but was removed.

