

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

A. GENERAL INFORMATIONPermit No: 22-14364

Exam Date: 2/3/2021

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.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: Jaime Rabelo.

Owner of Record Correct?

 X Y N

Address of Record Correct?

 Y N

If No: Address

The two parcels involved in this permit are currently owned by Jaime and Carmen Rabelo. Therefore, I don't feel there are any issues associated with this permit.

3. Beneficial Use Fees have been paid: X Y N Receipt No:4. **SOURCE****TRIBUTARY**

Ground Water

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

Change 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
Freemont Madison Irrigation District Various water rights	Various	Irrigation	Decrees and License
Southeast Idaho Canal Company Various water rights	Various	Irrigation	Decrees and License

Comments: This permit is for ground water for domestic purposes. The overlapping irrigation district and canal company rights should not affect this permit. It does appear from the application for permit, that the permit holder does hold shares in one or more of these companies.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no overlapping rights for this point of diversion. The only overlapping water rights for this 40 acre tract are the irrigation rights discussed above.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			NE	SW	5	7N	41E	B.M.	Freemont
								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

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
7N	41E	5									D					D			
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Parcel Data

PLEASE NOTE: The place of use for the permit is the tax parcel. The home is actually in the NESW, but there could be some minor stockwater authorized by the permit in the NWSE, so it was included in the place of use on the permit. I believe we should carry this thought process forward to licensing to avoid any issues if they are watering livestock on the wrong side of the 40 acre tract line.

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

PLEASE NOTE: The application for permit states that they are using a ¾ Hp pump, but at the depth of water for this property, a ¾ Hp pump doesn't seem reasonable. I don't want to limit the permit holder unless I am positive of the pump size. Since this permit is being examined as an in-house permit, I haven't been to the property, so I don't want to impose a limitation based on data that is subjective.

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:

The permit holder states that they have a ¾ Hp pump. The well driller's report states that the well has a static water depth of 114, which would equate to approximately 124 feet pumping water level with drawdown. Using a standard pressure of 50 psi, the diversion rate I calculated was 0.02 cfs or 9 gpm ($[8.8 \times 0.70 \times 0.75] / [124 \text{ ft} + \{50 \text{ psi} \times 2.31\}] = 0.02 \text{ cfs or } 9 \text{ gpm}$). Without being able to confirm the pump size, I am hesitant to reduce the flow rate based on the application for permit. Therefore, I am going to rely on the standard for domestic use set forth by Administrative Processing Memo #22.

Administrative Memo #22 = 0.04 cfs for domestic use

Permit allowed = 0.04 cfs

I am recommending 0.04 cfs since the permit limitation was based on 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:

Administrative Processing Memorandum #22 provides guidance to allow 1.2 af for in-house use and yard irrigation. However, this permit has a 13,000 gallon per day limitation condition, so no volume is required.

G. PURPOSE OF USE

Irrigation ___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 examination. The only real issue is the overlapping irrigation rights, and whether or not the permit should be limited to in-house use only. There does appear to have been some irrigation occurring between 2006 and 2011, but most of the imagery suggest that this property is rarely irrigated. The photos of the property from county assessor page do show a sprinkler hooked to a hose in the front yard area, but most of the lawn looks very dry. Based on the imagery available and the county parcel data, I am inclined to include the law irrigation, since it appears as though any shares used on this parcel are used on the pasture west of the home.

Conditions X01, N13, 187, and 933 should be carried forward to licensing. No additional conditions are needed.

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	0.04 CFS	
<u>Totals:</u>		0.04 CFS	

Please Note: This permit has a condition limiting the domestic use to 13,000 gallons per day, so no annual volume will be included on the water right license.

2. Recommended Amendments

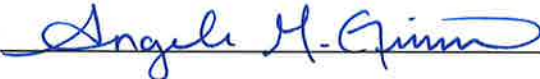
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ 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 2-4-21

Reviewer  Date 2/4/2021

Field Exam Map:

The yellow border shows the place of use and the yellow point shows the point of diversion. Place of use is also known as Lot 9 Spruce Creek Cabin Area. The remaining green borders are for the other cabin parcels within the US Forest Service's Sawtooth National Forest.



County Tax Information

RP004810010010 Property Detail

Physical Address: 539 RAILROAD WAY (zip code 83445)		Tax Code Area: 012000 Tax Year: 2020	
Mailing Address:		2020 Taxes & Certified Charges	\$ 458.66
RABELO JAIMIE		Taxing Districts	Levy Contact Phone
RABELO CARMEN		COUNTY	0.004708772 624-7332
539 RAILROAD WAY		SCHOOL 215 TORT	0.00015497 624-7542
ST ANTHONY, ID 83445		SCHOOL 215 BOND 2004-2021	0.000535927 624-7542
Location:		SCHOOL 215 PLNT FCLT 2001-2021	0.000155045 624-7542
MORENO HOMESTEAD LOT 1 BLK 1 SEC 5 TWP 7 RGE 41 MH		SCHOOL 215 BOND 2008-2024	0.000549385 624-7542
Deeds:		SCHOOL 215 SUPP 2019-2020	0.000774166 624-7542
576002 2019-10-07		CEM #2 WLFDR-CHSTR	0.000303677 624-7844
575622 2019-09-16		S F FIRE	0.001156591 624-4404
Classes for Assessment Year 2020 (Last appraised in 2017)		FREMONT LIBRARY	0.000252957 652-7280
Rural Residential Subdivision	2.000 \$ 30,500	AMBULANCE	0.000192066 624-7332
Total Assessed Value	\$ 30,500	FREMONT - ZONE 3 SCHOOL DISTRICT	
		FREMONT ZONE 2	
		Precinct	Address
		10	St Anthony Stake Center 247 E 4th N
This information is provided as a courtesy to our taxpayers. If this parcel has changed code areas, or been split or combined with another parcel, the tax and assessment data shown may not apply or be current. For more information, please contact the appropriate county office.			

Photos



State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]