

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

**A. GENERAL INFORMATION**Permit No: 63-33975Exam Date: 7/31/2020

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: Ryan and Ursula Warden  
Owner of Record Correct?    X    Y    N  
Address of Record Correct?    Y    N  
If No: Address

3. Beneficial Use Fees have been paid:    X    Y    N Receipt No: W042389

4. SOURCE TRIBUTARY  
Ground water

Method of Determination: Well Construction database/ Onsite visit/photosChange 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
NONE			

Comments: There are no overlapping water rights at the place of use.

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: No overlapping water rights at the 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
Ground Water			SW	SE	35	05N	02W	B.M.	Canyon
								B.M.	
								B.M.	

Method of Determination: GIS and Taxlot 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	
05N	2W	35															2.0		
		Lot #																	
Total Acres =																		2	

Method of Determination: GIS and onsite visit.Change in POU?   X   N Amendment Required?   X   N   Delivery System Diagram Attached (required). Indicate all major components and distances between components.   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
D0029659					

\*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 possible for an in-house exam.

**E. FLOW CALCULATIONS**       Additional Computation Sheets Attached

Measured Method:

Per possessing memo # 17, up to 0.03 cfs/acre for irrigation of up to 5 acres is acceptable. Using 2019 NAIP imagery and observations from a drive-by visit to the property, only 2.0 acres are visibly irrigated. 2 acres multiplied by 0.03 cfs is 0.06 cfs.

**Permit allowed = 0.09 cfs****License Recommended= 0.06 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \times 4.5 = 9 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 260 \times 1.9835 = 31.0 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 9.0 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

**G. PURPOSE OF USE**Irrigation ☒ Y ☐ N # Stock \_\_\_\_\_ Domestic # of Homes \_\_\_\_\_

Other: \_\_\_\_\_

Change in Purpose of Use? ☐ Y ☒ NMethod of Determination: Taxlot data and Department records

If Yes: From Use \_\_\_\_\_ To Use \_\_\_\_\_ Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA \_\_\_\_\_

**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-house exam. A letter was mailed to the applicants on 2/28/2020 to notify them that proof of beneficial use needed to be submitted on or before 5/1/2020. No proof was received by this date so the permit lapsed. However, the applicants submitted proof on 5/4/2020 and the permit was reinstated. The priority date was advanced from 8/1/2014 to 8/4/2014.

A drive-by visit occurred at the property on 7/30/2020 and an in-house examination was conducted on 7/31/2020. At the field visit, photos were taken of the metal tag on the well head as well as irrigation occurring around the well head. Other photos were taken of the western edge of the place of use showing that it had been unirrigated during the permit period. Upon the on site visit and review of past NAIP aerial imagery, 2.0 acres of irrigation were observed to have occurred under this permit.

The well that sources water for this permit was drilled on 9/4/2003 for domestic use. Current Canyon county parcel data shows the home was also built in 2003. Idaho code 42-111 and 42-227 allow up to 0.5 acres of irrigation without a water right. Imagery prior to 2014 from shows approximately 0.5 acres of lawn, landscaping and yard irrigation around the house. This permit was established to include this prior exempted area as well as new yard space and pasture area. Upon visiting the property, various stock animals (horses and pigs) were also observed at the place of use. Water for this stock is included under the exempt domestic use of water.

There are no overlapping water applications, permits or rights at the place of use or point of diversion.

Conditions 1 and 2 were removed at licensing as is standard. Condition 2, (26A) was also removed. Condition 4 (R69) was carried to the license. Condition 5 (121) was changed to condition 103 as is standard. Conditions X59 and X60 were added to the license to designate the Lot, Block and Subdivision where the point of diversion and place of use are located.

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	03/01 to 11/15	0.06 CFS	9.0 AF
<u>Totals:</u>		0.06 CFS	9.0 AF

**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 Alex Delfino Date 8/13/2020Reviewer PTM Date 08/13/20



Metal tag attached to the well head.



Looking NW. Well head is in middle of photo.  
Driveway entrance is directly to the right of photo.



Standing on Zenith Lane along wooden fence  
looking N/NE.



Photo at SW point of parcel looking N/NE.  
This is part of the unirrigated area.  
Various weeds are in the foreground.

IDAHO DEPARTMENT OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

Office Use Only  
Well ID No. 806203  
Inspected by \_\_\_\_\_  
Twp \_\_\_\_\_ Rge \_\_\_\_\_ Sec \_\_\_\_\_  
1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_  
Lat: \_\_\_\_\_ Long: \_\_\_\_\_

1. WELL TAG NO. D 0029659  
DRILLING PERMIT NO. \_\_\_\_\_  
Water Right or Injection Well No. \_\_\_\_\_

2. OWNER:  
Name Whitehead Construction  
Address 5530 Diamond Ridge Way  
City Nampa State Id Zip 83686

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 5 North ☒ or South ☐  
Rge. 2 East ☐ or West ☒  
Sec. 35 SW 1/4 SE 1/4 1/4 1/4  
Gov't Lot \_\_\_\_\_  
Lat: \_\_\_\_\_ Long: \_\_\_\_\_  
Address of Well Site 7386 Zenith  
City Middleton

(Give at least name of road + Distance to Road or Landmark)

Lt. \_\_\_\_\_ Blk. \_\_\_\_\_ Sub. Name \_\_\_\_\_

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation  
☐ Thermal ☐ Injection ☐ Other \_\_\_\_\_

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other \_\_\_\_\_

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other \_\_\_\_\_

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
<u>Bentonite</u>	<u>0</u>	<u>20</u>	<u>800#</u>	<u>Overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 256' 9"

Was drive shoe seal tested? ☐ Y ☒ N How? \_\_\_\_\_

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6"</u>	<u>+2</u>	<u>256'</u>	<u>250</u>	<u>Steel</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Length of Headpipe 10' Length of Tailpipe \_\_\_\_\_

Packer ☒ Y ☐ N Type R. Packer

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method \_\_\_\_\_

Screen Type & Method of Installation Johnson washedown

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
<u>259</u>	<u>263</u>	<u>.020</u>		<u>5"</u>	<u>SS</u>	<input type="checkbox"/>	<input type="checkbox"/>

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

92 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or control devices: well cap

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>80</u>			<u>1 hour</u>

Water Temp. 60° Bottom hole temp. \_\_\_\_\_

Water Quality test or comments: Iron 1 PH 7.5

Grains 8 Depth first Water Encounter 120'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>3</u>	<u>top soil</u>		
<u>"</u>	<u>3</u>	<u>20</u>	<u>sand &amp; clay</u>		
<u>6</u>	<u>20</u>	<u>47</u>	<u>gravel</u>		
<u>"</u>	<u>47</u>	<u>91</u>	<u>sand &amp; clay</u>		
<u>"</u>	<u>91</u>	<u>120</u>	<u>clay</u>		
<u>"</u>	<u>120</u>	<u>123</u>	<u>broken clay</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>123</u>	<u>160</u>	<u>clay &amp; sand</u>		
<u>"</u>	<u>160</u>	<u>166</u>	<u>fine sand</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>166</u>	<u>184</u>	<u>clay &amp; sand</u>		
<u>"</u>	<u>184</u>	<u>208</u>	<u>sand</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>208</u>	<u>210</u>	<u>clay</u>		
<u>"</u>	<u>210</u>	<u>213</u>	<u>sand</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>213</u>	<u>226</u>	<u>clay &amp; sand</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>226</u>	<u>230</u>	<u>clay</u>		
<u>"</u>	<u>230</u>	<u>242</u>	<u>sand</u>		<input checked="" type="checkbox"/>
<u>"</u>	<u>242</u>	<u>256</u>	<u>clay</u>		
<u>"</u>	<u>256</u>	<u>263</u>	<u>sand</u>		<input checked="" type="checkbox"/>

RECEIVED

SEP 08 2003

WATER RESOURCES  
WESTERN REGION

Completed Depth 263' (Measurable)

Date: Started 8-25-03 Completed 9-2-03

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name ABC Well Drilling Firm No. 621

Principal Driller Andy Payne Date 9-4-03

Driller or Operator II Andy Payne Date 9-4-03

Operator I \_\_\_\_\_ Date \_\_\_\_\_

Principal Driller and Rig Operator Required.  
Operator I must have signature of Driller/Operator II.