

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17264

Exam Date: 7/28/2017

1. Current Owner:
RIFLE ROAD WATER ASSN PO BOX 706 ATHOL ID 83801 (208) 277-7854
2. Accompanied by: Robert Spencer
Phone No: 208-277-7854
Address: 30668 N Riffle Rd Spirit Lake ID 83869
Relationship to Permit Holder: Assn President

3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE¼SW¼ Sec. 12, Twp 53N, Rge 04W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD located at -116° 46.771, 47° 57.067 given IDWR tag A0020088

2.

PLACE OF 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	
53N	04W	12									X	X	X	X					

Method of Determination: Google Earth and Arcmap.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).

☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
96-96-N-256	Franklin	5			

*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

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: See attached pump curve showing pump capable of producing 26 gpm or 0.06 cfs.

☒ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Domestic use for 9 homes with irrigation up to ½ acre per home

$$9 \text{ homes} \times 1.2 \text{ acre-feet (0.6 for in home and 0.6 for } \frac{1}{2} \text{ acre of irrigation)} = 10.8 \text{ acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Field exam with Robert Spencer, association president, showed a well serving 9 homes. Well had a 5hp pump that was diverted water into a 3,000 gallon cistern. There was no adequate place to perform a flow measurement so a pump curve was supplied by the applicant. Pump curve showed well was capable of producing 26 gpm or 0.06 cfs. From the cistern water was fed to pressure tanks in well house and then to homes.

Water was served to 9 homes in the general area of the well. There were some lots that weren't served and there were no plans to add anymore to the system. Mr. Spencer said they were under the number of homes that would be regulated by Panhandle Health or DEQ and wanted to stay that way. All homes were built and using water for in home use and some irrigation. License will be issued for domestic use for 9 homes with irrigation up to ½ acre per home. License will be issued with a diversion rate of 0.06 cfs with an annual volume of 10.8 acre-feet.

The reason the association filed an application for permit was because their adjudication claim 95-10181 was recommended as disallowed. The development of well and homes came after the mandatory permitting time and a claim for all 9 homes would not be recommended. There are no other overlap concerns. Condition 046 will be removed at licensing and all other conditions will remain.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. 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	0.06 CFS	10.8 AF
<u>Totals:</u>		0.060 CFS	10.80 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

I. AUTHENTICATION

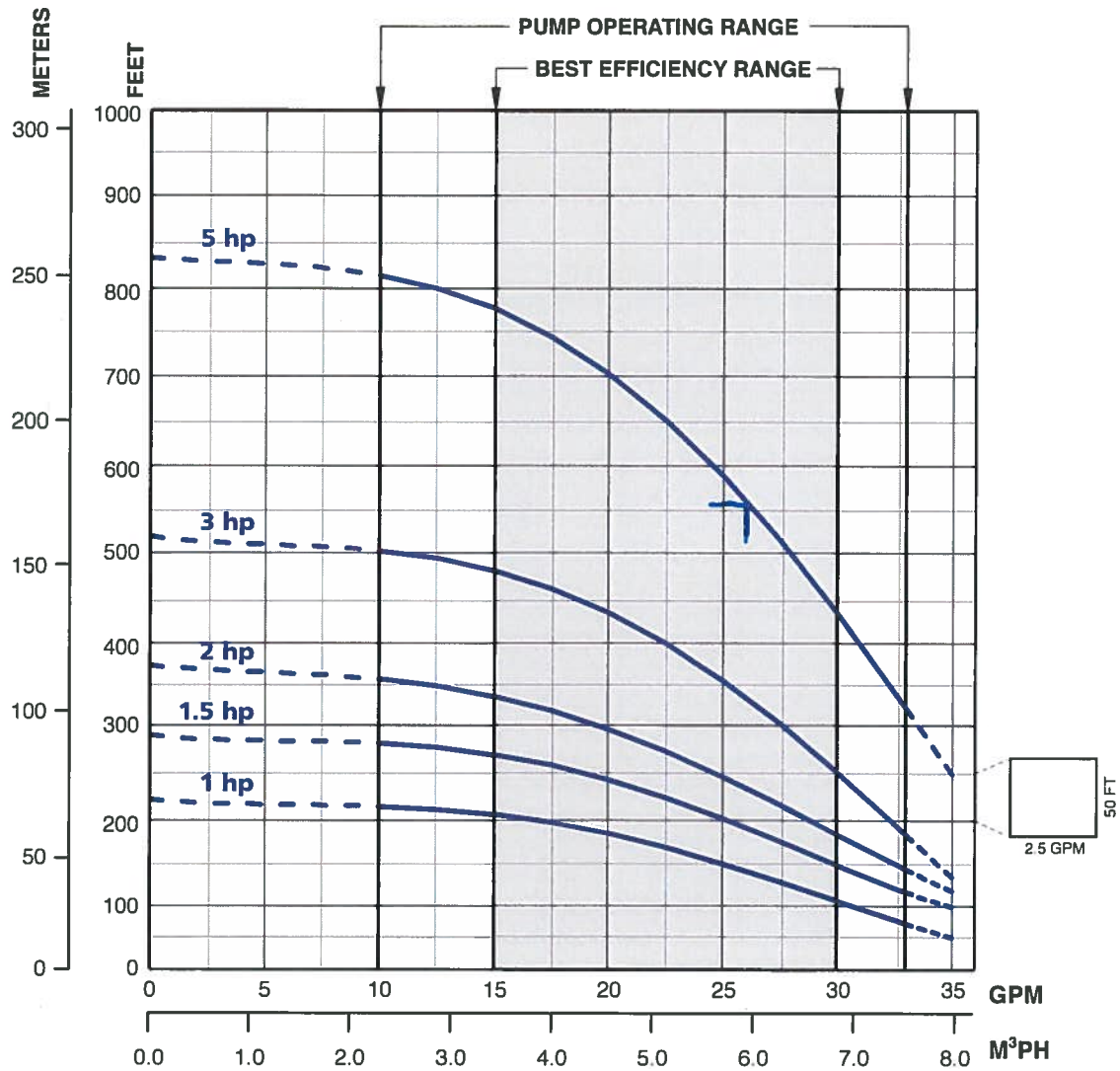
Field Examiner's Name Adam Fink Date 2-14-2018

Reviewer Douglas Jones P.E. Date 2/28/18

(Sign once if Firm Official & Operator)

Submersible Pumps

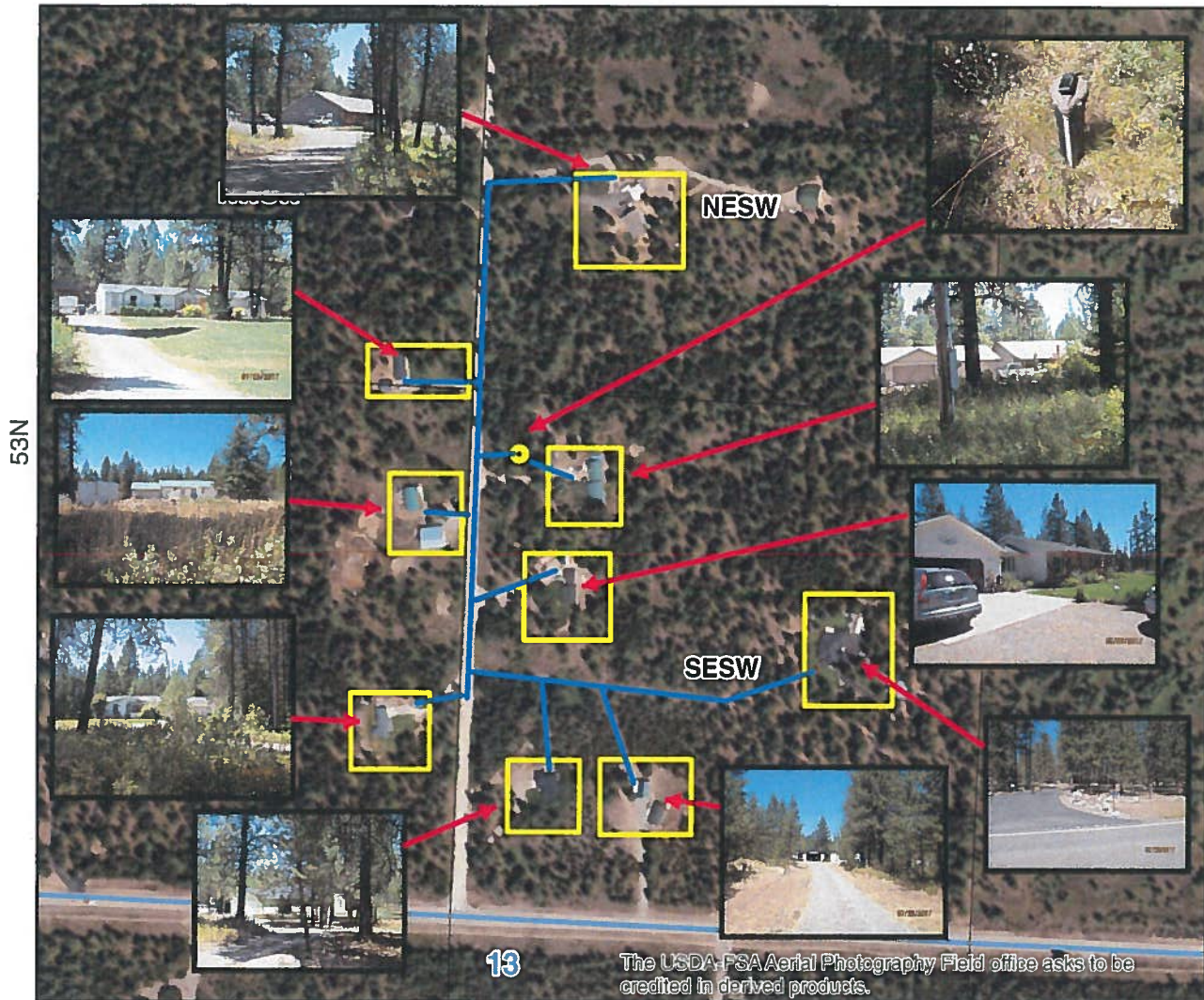
4" Series V Pumps - 25 GPM



State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17264

DOMESTIC / SYSTEM DIAGRAM

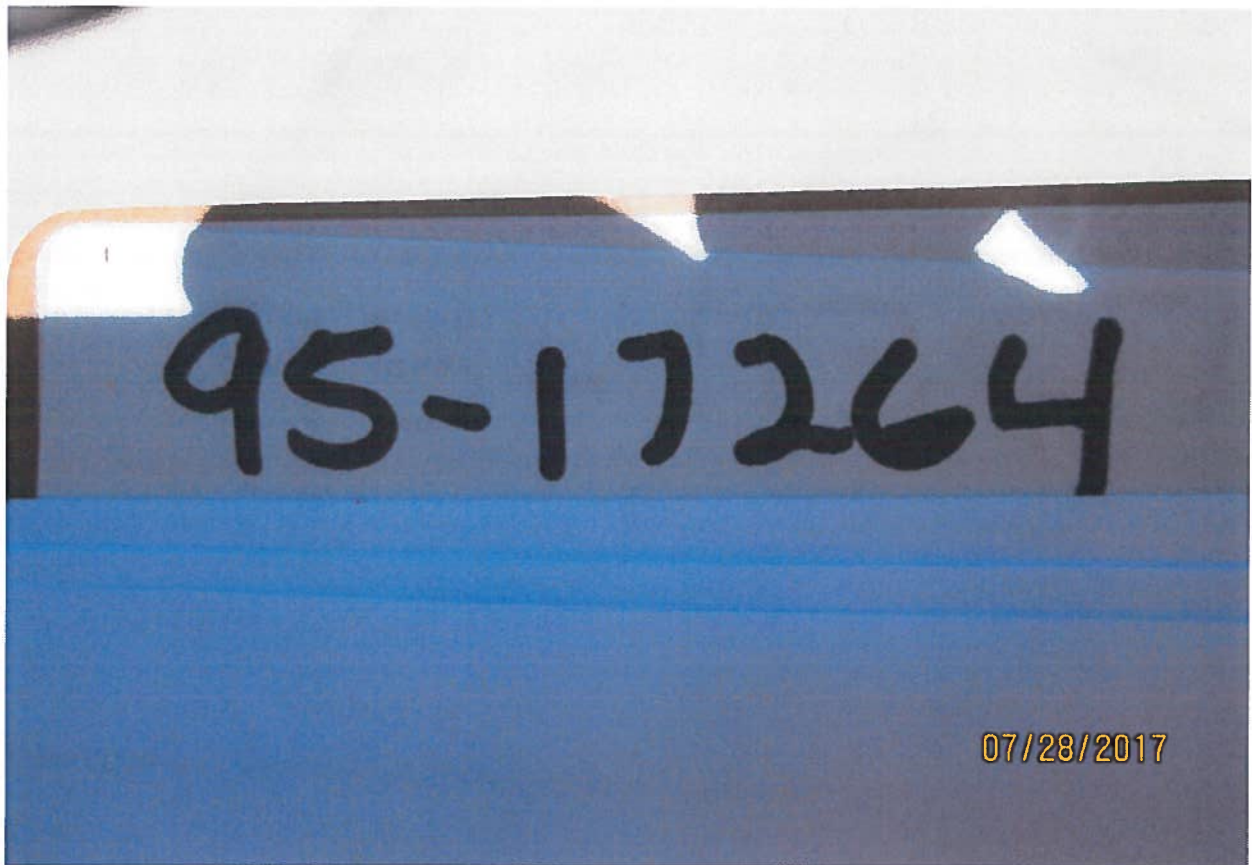
04W



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.05 0.1 0.2 Miles

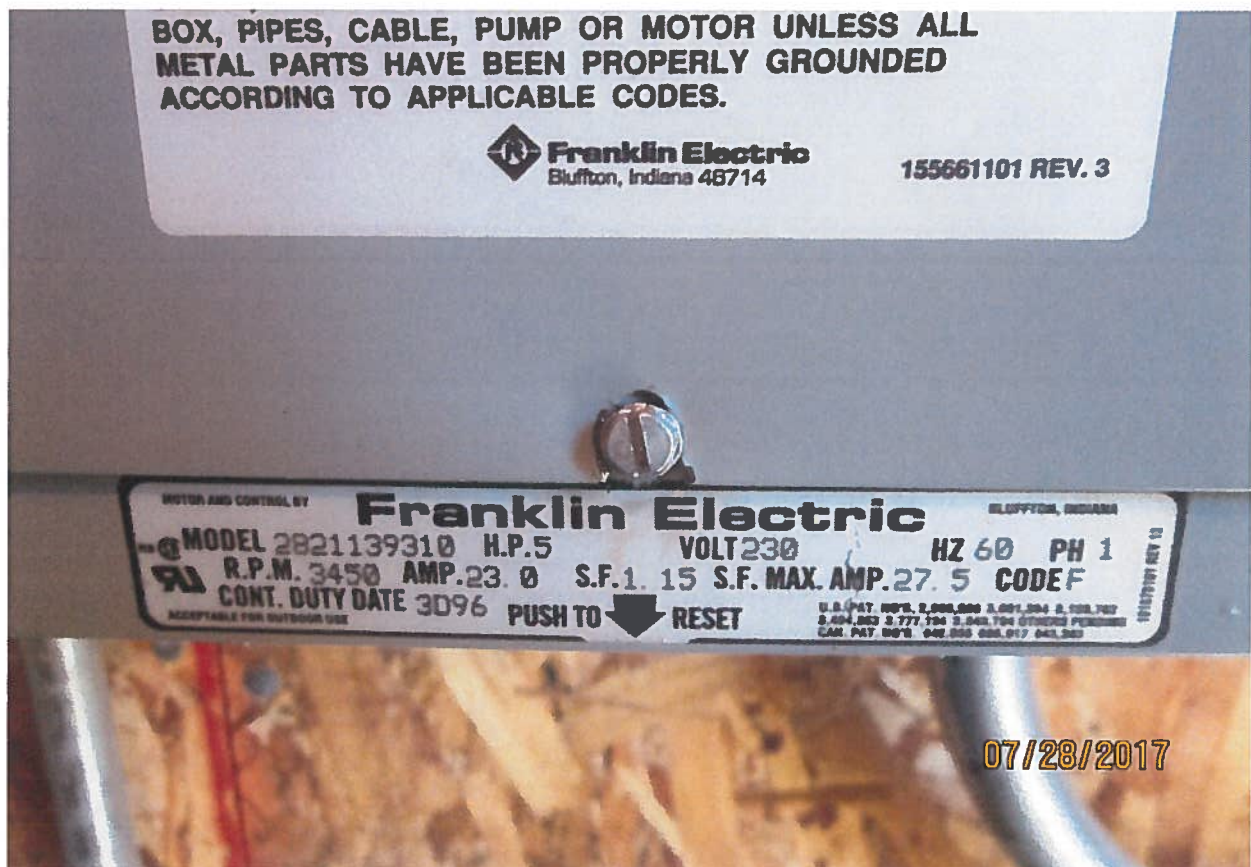




Well 96-96-N-256 given IDWR tag A0020088.



View of well in relation to pump house.



5hp Franklin pump in well. Pump was set around 560 feet.



3,000 gallon cistern. Unable to perform any measurement because water was pumped directly into storage tank.



From the storage tank, water would be pumped into pressure tanks for distribution to homes.



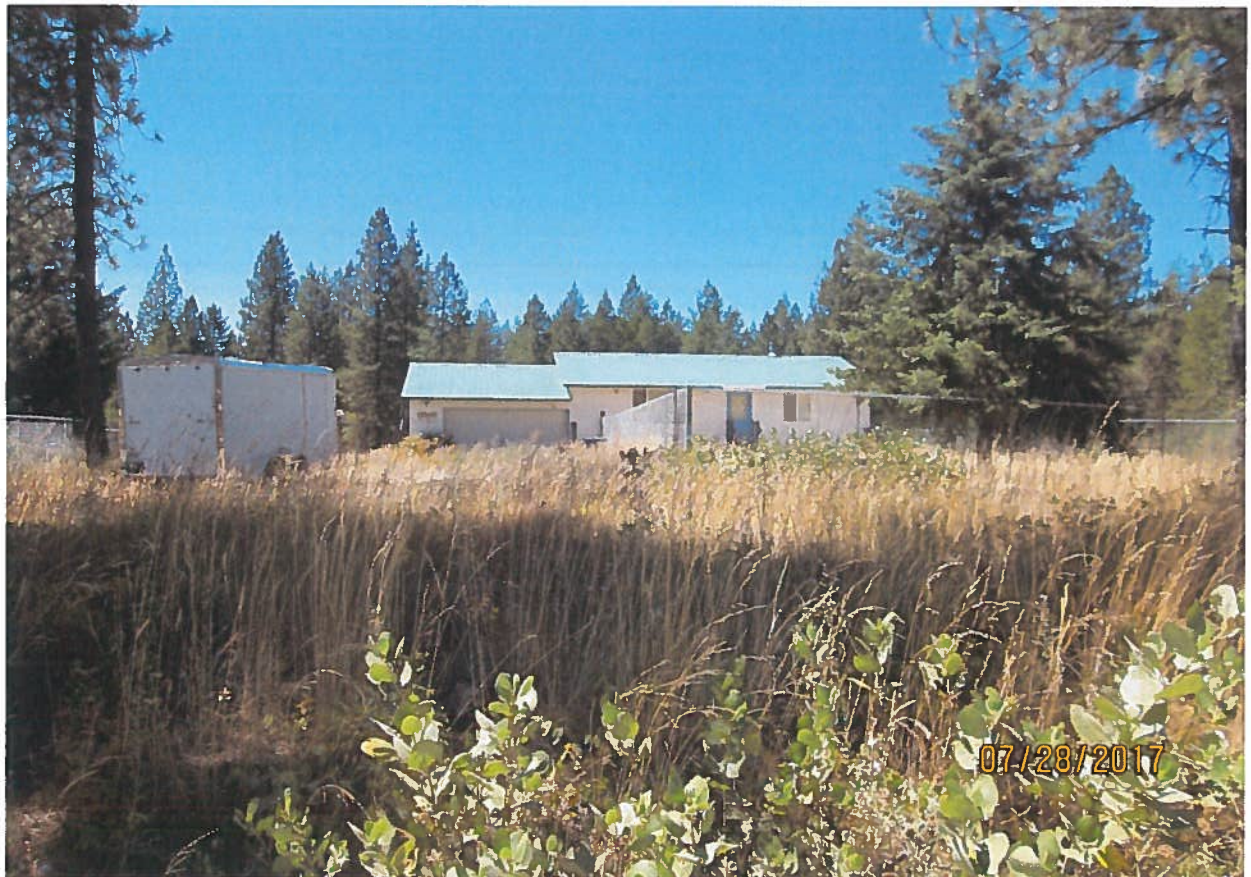
Home 1.



Home 2.



Home 3.



Home 4.



Home 5.



Home 6.



Home 7.



Home 8.



Home 9. Unable to get close because of locked gate.