

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17759
Exam Date: 07/13/2020

1. Current Owner:
JOHNSON FAMILY 2011 TRUST C/O LLOYD JOHNSON
5020 N LILIAN CT SPOKANE WA 99216

2. Accompanied by: Lloyd Johnson
Phone No: 425-922-1112
Address: Same as above
Relationship to permit Holder: Trustee

3. **SOURCE:**
GROUND WATER

Method of Determination: Arcmap and DRG.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-9017	COEUR D ALENE LAKE	IRRIGATION	LICENSE

Comments: Right 95-9017 uses water from Coeur D Alene Lake for irrigation purposes for same applicant. As this right is for domestic use and does not include irrigation, there is no concern for overlap.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-13422	GROUND WATER	DOMESTIC	BENEFICIAL USE CLAIM

Comments: Right 95-13422 uses groundwater from same well as applicant for domestic purposes. Right 95-13422 is a beneficial use claim that has been recommended and pending decree.

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

GROUND WATER L2 (SW¼ NW¼), Sec. 20, Twp 48N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS; POD is a well without tag located at -116°53.438, 47°29.374.

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
48N	04W	20										X L2							

Method of Determination: Field exam 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
UNKOWN	UNK	1.5			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: Unable to perform flow measurement because system pumped directly into pressure tank

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: Theoretical pumping equation estimates flow at **0.04 cfs** considering department rounding standards, with pump lifting 150 feet, and a system operating pressure of 65 psi.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

DOMESTIC annual volume = 0.6 af, as irrigation for the parcel associated with this right is covered under right 95-9017.

G. NARRATIVE/REMARKS/COMMENTS

Field exam conducted on 7/13/2020 with applicant's representative, Lloyd Johnson, showed a well providing groundwater for domestic use to one home and a shop with bathroom facilities. The system utilized a 1.5 HP pump that diverted water from the well direct to two pressure tanks, making flow measurements unattainable. Theoretical pumping equation determined the diversion rate of **0.04 cfs**, which will be applied as the maximum diversion rate on license. The pump was estimated to be 150 feet down and the system running at 65 psi. Applicant stated the well is a shared well, that he services his home as

well as his neighbor's home located in parcel 0058000002B with physical address 20391 S Hedmark Landing RD.

One home with a shop with bathroom facilities was identified during field exam. Applicant has separate water right diverting water from Coeur D Alene Lake for irrigation of the parcel (95-9017). As such, the annual volume applied at time of licensing equals **0.6 af**, the department standard for single home domestic without ½ acre irrigation included.

Condition 046 was removed from permit at time of licensing. All other conditions remain on license. Right 95-9017 uses water from Coeur D Alene Lake for irrigation purposes for same applicant. As this right 95-17759 is for domestic in home use and does not include irrigation, there is no concern for overlap. There are no other overlap concerns for this water right.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF

Totals: 0.04 CFS 0.6 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION Luke Bates - Water Resource Agent

Field Examiner's Name FD Bickel Date 8/14/2020






Reviewer Adrian Fink Date 8/19/2020

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17759

DOMESTIC system diagram.



04W

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

0 0.035 0.07 0.14 Miles



95-17759

Valley
2000
acre-feet
conditions of permit
with your proof of
No 2
permit has been
ped portion of



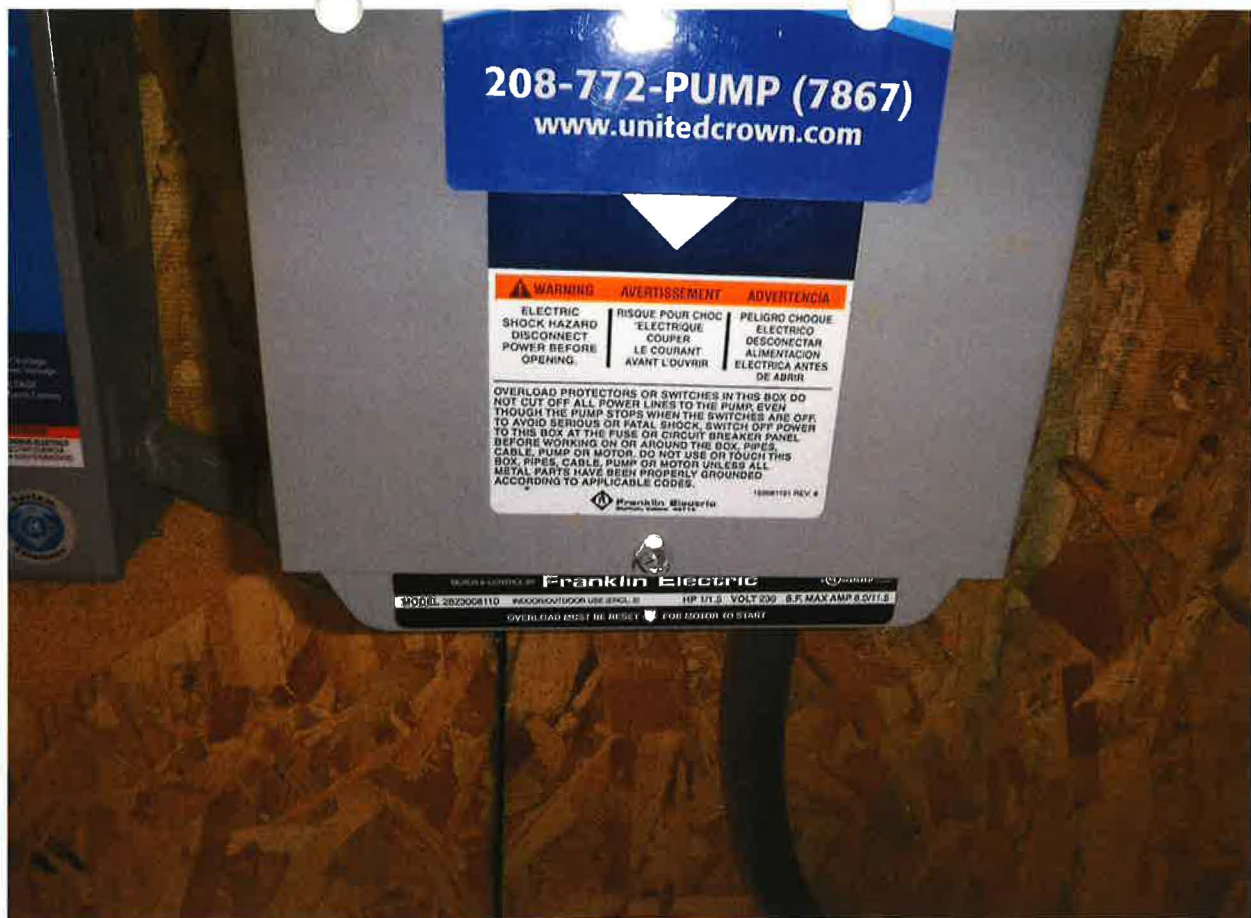
WELL HOUSE



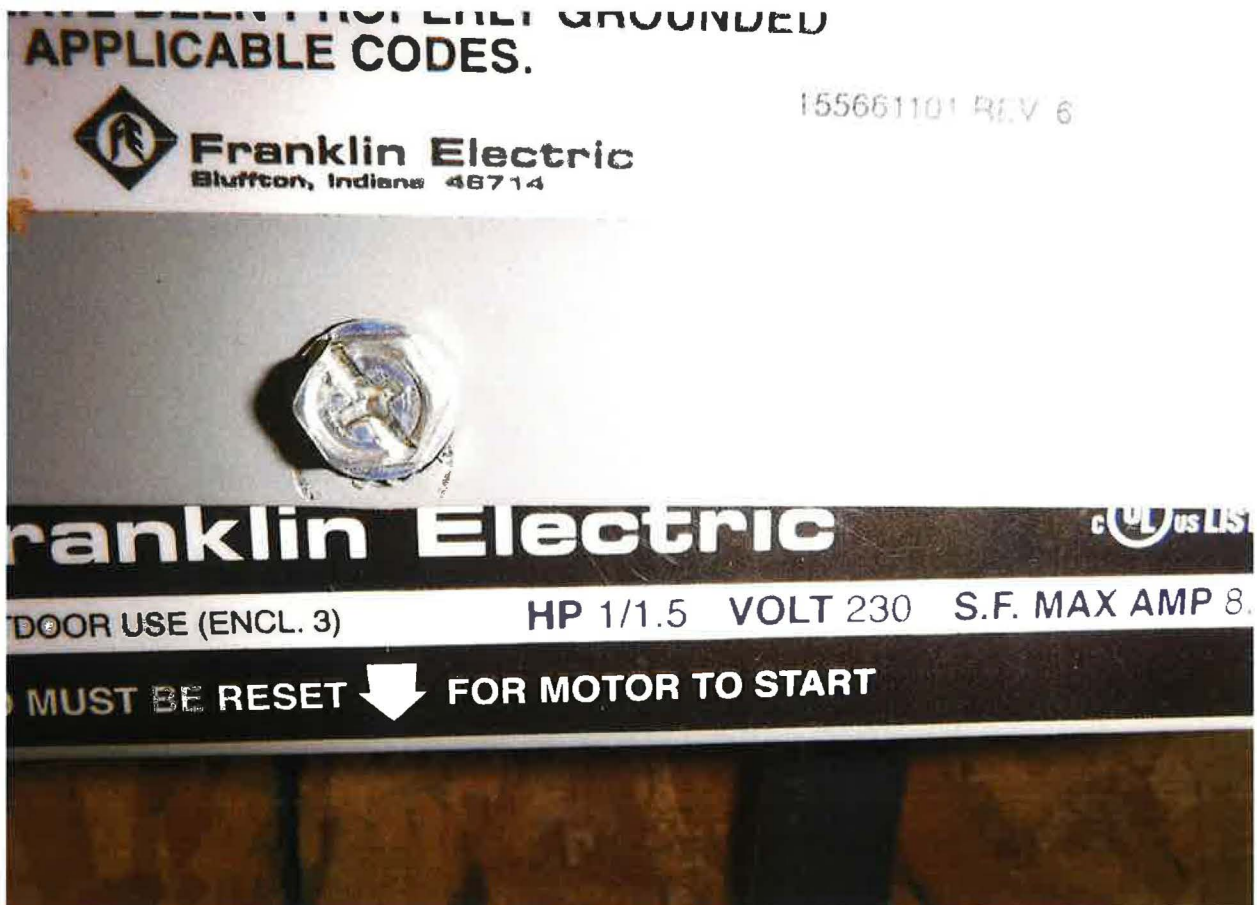
WELL – NO D-TAG



WATER CONVEYANCE SYSTEM



1.5 HP PUMP





2EA PRESSURE TANKS – SHARED WELL



65 PSI OPERATING PRESSURE



DOMESTIC POU

