

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10806

Exam Date: 3/6/2015

1. Current Owner: JUDITH A HORTON
6863 W MEADOWBROOK LOOP
COEUR D ALENE ID 83814
(208)665-0871

And/Or

THOMAS A BACON
6863 W MEADOWBROOK LOOP
COEUR D ALENE ID 83814
(208)665-0871

2. Accompanied by: Judith & Thomas

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-1074, 95-10805 (Both Domestic Claims)
2. Other water rights with the same point of diversion: 95-1074, 95-10805 (Both Domestic Claims)

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

GROUND WATER SE1/4SW1/4 Sec. 20, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. POD location at 47° 39.507N, 116° 51.820W (A0003294)

2.

PLACE OF 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	
50N 04W 20												1.3					1.3

Total Acres: 1.3

Method of Determination:

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

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
95-91-N-194	FRANKLIN	1			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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N/A

2. Measurements:

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.
THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 20 GPM OR 0.04 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.3 \text{ AC} \times 3 \text{ AF} = 3.9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 246 \times 1.9835 = 19.5 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3.9 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

IN OFFICE EXAM. SITE VISIT REQUIRED TO VERIFY ACREAGE OF IRRIGATION. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. LICENSE WILL BE ISSUED FOR 1.3 ACRES BECUASE THAT IS THE AMOUNT OF ACTUAL IRRIGATION. ONLY 1 ACTIVE WELL ON SITE, WILL REMOVE 2ND WELL THAT WAS ON PERMIT.

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>
IRRIGATION	03/15 to 11/15	0.040 CFS	3.90 AF
<u>Totals:</u>		0.040 CFS	3.90 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Friedman Date 3-23-2018

Reviewer [Signature] Date 3-30-2018

THEORETICAL PUMPING EQATION FOR WATER RIGHT 95-10806

PUMP EQUATIONS WATER RIGHT No. 95-10806						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1	157.517	0.8	65	40
Q = 0.045 cfs 20.1 gpm						

State of Idaho
Department of Water Resources
Water Right License
95-10806

04W

50N



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

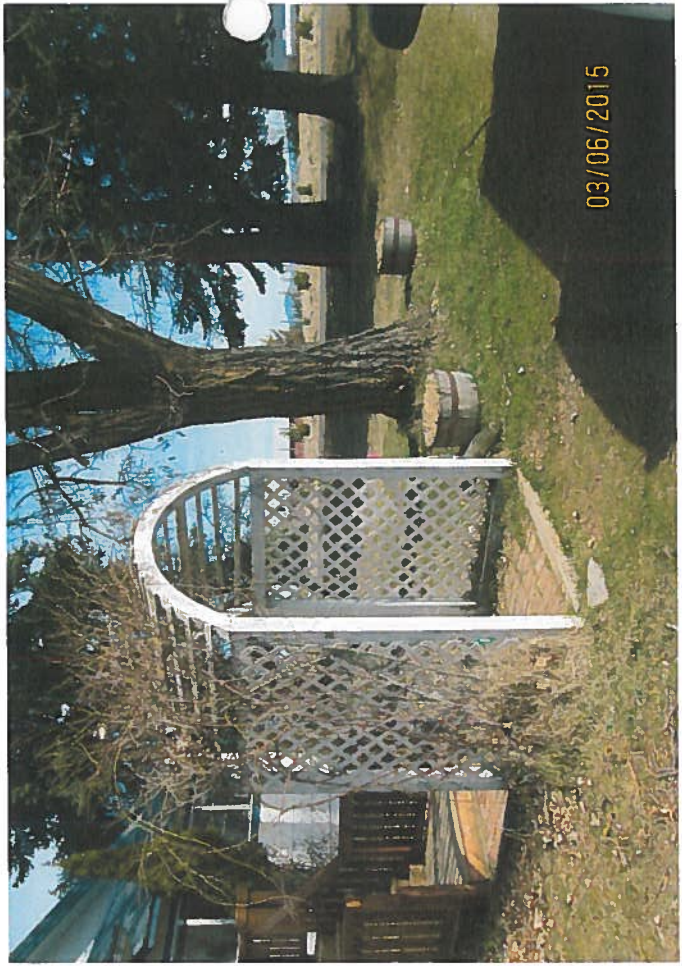
0 0.015 0.03 0.06 Miles

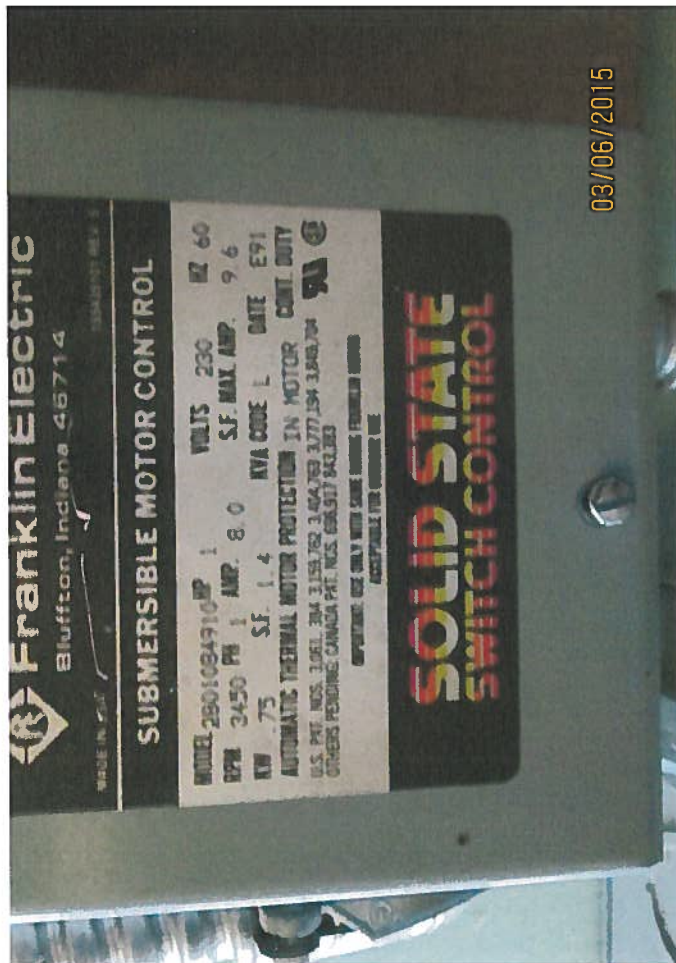




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