

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11574

Exam Date: 3/25/2015

1. Current Owner: HOLLAND FAMILY TRUST
18637 W HOLLAND RD
POST FALLS ID 83854
(208) 651-0162

2. Accompanied by: Owner / Manager

3. SOURCE**TRIBUTARY**

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

GROUND WATER L8 NE1/4SW1/4 Sec. 12, Twp 50N, Rge 06W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 41.421, 117° 02.115 (A0003298)

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
50N 06W 12	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.3
									2.0			.3					
									L 8								

Total Acres: 2.3

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
50N 06W 12	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X								
									L 8								

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.

<u>Well or Diversion</u> <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</u> <u>Size</u>
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1960'S WELL

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <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:

$$Q = \frac{(hp)(8.8)(eff)}{n} \quad n = 43psi \times 2.3087 ft = 99.3 ft$$

$$Q = \frac{(7.5)(8.8)(70\%)}{99.3} = 0.46 cfs.$$

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: NO PROPER PLACE TO SET UP FLOWMETER. UNABLE TO DO THEORETICAL BECAUSE NO WELL LOG IS AVAILABLE.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.3 \text{ AC} \times 3.0 \text{ AF} = 6.9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 246 \times 1.9835 = 29.3 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 6.9 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 12 HOMES $\times 0.6 \text{ AF} = 7.2 \text{ AF}$ **G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED WELL THAT WAS DUG IN 1960S AND HAD NO WELL LOG REPORT SO UNABLE TO RUN THEORETICAL PUMPING EQUATION. WELL HAD 7.5 HP AT 43 PSI. WELL SUPPLIED 12 MOBILE HOMES AND IRRIGATION OCCURRING WAS AT 2.3 ACRES. LICENSE WILL SHOW 2.3 ACRES OF IRRIGATION WHICH IS DOWN FROM 2.5 ACRES WHICH IS WHAT WAS APPLIED FOR. THERE WERE 3 EMPTY STUBBED IN LOTS AND WILL BE GIVEN CREDIT FOR DOMESTIC USE. THERE WAS MAIN CENTER HOUSE NEAR WELL LOCATION THAT IS SUPPLIED BY ITS OWN WELL.

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	0.060 CFS	6.90 AF
DOMESTIC	01/01 to 12/31	0.180 CFS	7.20 AF
<u>Totals:</u>		0.180 CFS	14.10 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 Ada Funderli Date 11-19-2015
 Reviewer Beth E. Dranklmi Date 11/25/2015

State of Idaho
Department of Water Resources
Water Right License
95-11574



0 0.035 0.07 0.14 Miles

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



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

0 0.015 0.03 0.06 Miles





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HAVE WORK PERFORMED BY TECHNICALLY
QUALIFIED PERSONNEL COMPLYING WITH
ALL GROUNDING AND CODE REQUIREMENTS.

THIS LABEL IDENTIFIES THE FRANKLIN
SUBMERSIBLE MOTOR USED IN THIS WELL.
PLEASE DISPLAY PROMINENTLY. A SUGGESTED
LOCATION IS THE DISCONNECT BOX.

MODEL 2366819820	HP 7 1/2 KW 5.5	PH 3
VOLTS 230	RPM 3450	HZ 60
AMP 21.8	S.F. MAX. AMP 24.6	
SF 1.15	KVA CODE H	CONT. DUTY
MIN FLOW FT/SEC 0.5		CSA CERTIFIED

Franklin Electric
Bluffton, Indiana 46714
03/25/2015



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