

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11615

Exam Date: 2/12/2015

1. Current Owner: HAUSER RIDGE ESTATES LOWER WATER ASSN INC
15400 N MOBBS RD
HAUSER ID 83854
(303) 476-1583
2. Accompanied by: Ed Morgan
Phone No: Same as above
Address:
Relationship to Permit Holder: HOA President

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 L2 NW1/4NE1/4 Sec. 1, Twp 51N, Rge 06W, B.M. KOOTENAI County

GROUND WATER NW1/4SE1/4 Sec. 1, Twp 51N, Rge 06W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. POD location in NWNE 47° 48.050N, 117° 01.843W (A0003287). POD location in NWSE 47° 47.607N, 117° 01.893W (A0003286).

Wells are connected by a common pipe line.

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	
51N	06W	1		X	X										X	X			
				L 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	
51N	06W	1		.9	.6										.3	.3			2.1
				L 2															

Total Acres: 2.1

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>
	FRANKLIN	5			
	FRANKLIN	3			

*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>
N/A						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: 5 GALLON BUCKET TEST. 5 GALLONS IN 10 SECONDS. $5/10 = .5 \times 60 \text{ SECONDS} = 30 \text{ GPM}$. BOTH WELLS WERE TESTED AT THE SAME FLOW RATE.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.1 \times 3 = 6.3 \text{ AF}$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} = 6.3 \text{ AF}$$

2. Volume Calculations for Other Uses: 7 HOMES X 0.6 AF = 4.2 AF

G. NARRATIVE/REMARKS/COMMENTS

DOMESTIC USE FOR 7 HOMES AND IRRIGATION OF .3 ACRES PER HOME. TWO WELLS SUPPLY 2500 GALLON TANK THAT DISTRIBUTES WATER TO HOMES. EACH WELL PRODUCED 30GPM VERIFIED BY 5 GALLON BUCKET TEST. WILL BE LICENSED FOR 0.12CFS AND IRRIGATION OF 2.1 ACRES.

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	0.120 CFS	4.20 AF
IRRIGATION	03/15 to 11/15	0.060 CFS	6.30 AF
<u>Totals:</u>		0.120 CFS	10.50 AF

2. Recommended Amendments

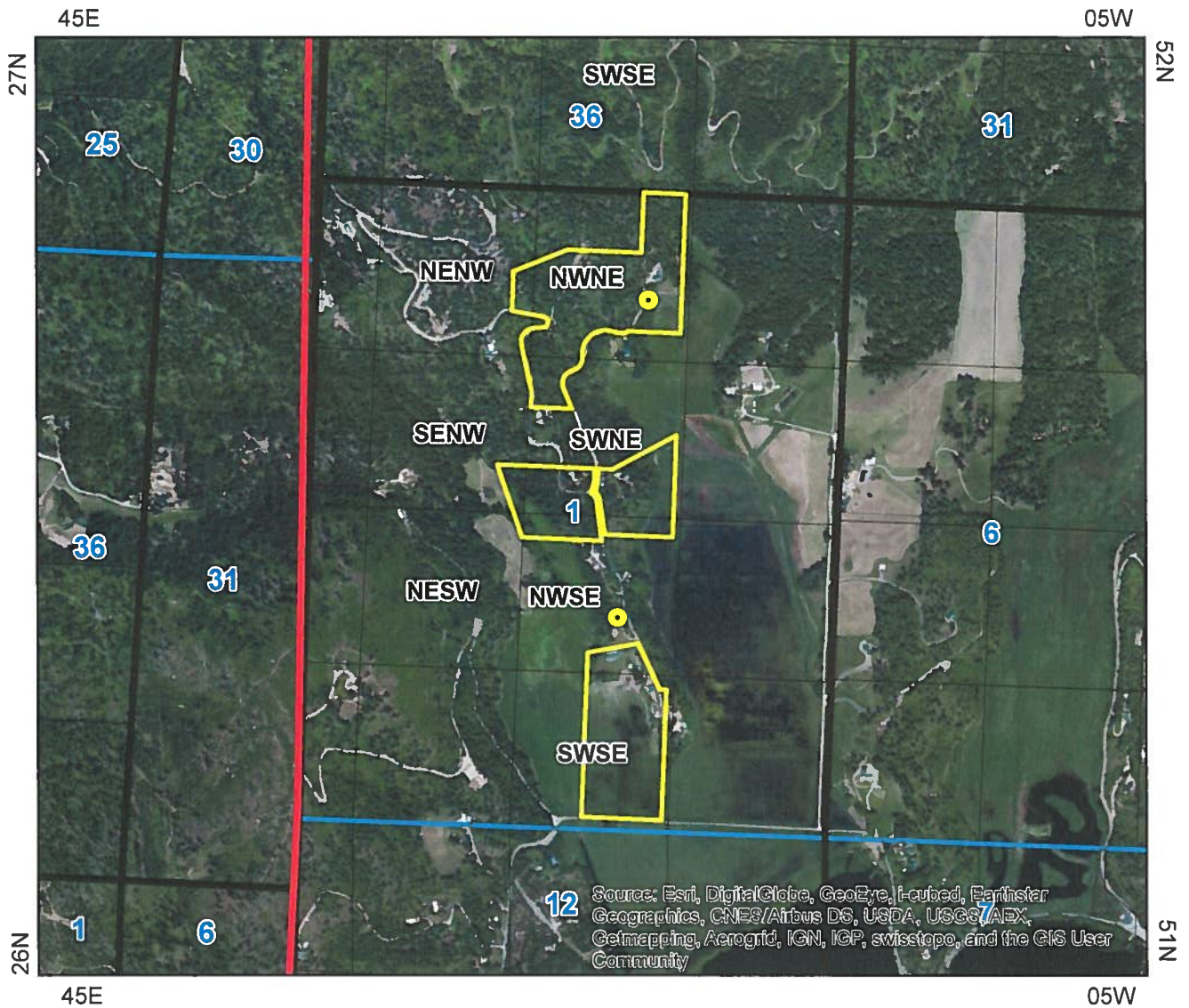
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Frederick Date 2-17-2015
 Reviewer [Signature] Date 02-17-2015

State of Idaho
 Department of Water Resources
Water Right License
 95-11615



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

0 0.175 0.35 0.7 Miles



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- Point of Diversion
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- PLS Sections
- Quarter Quarters

0 0.025 0.05 0.1 Miles



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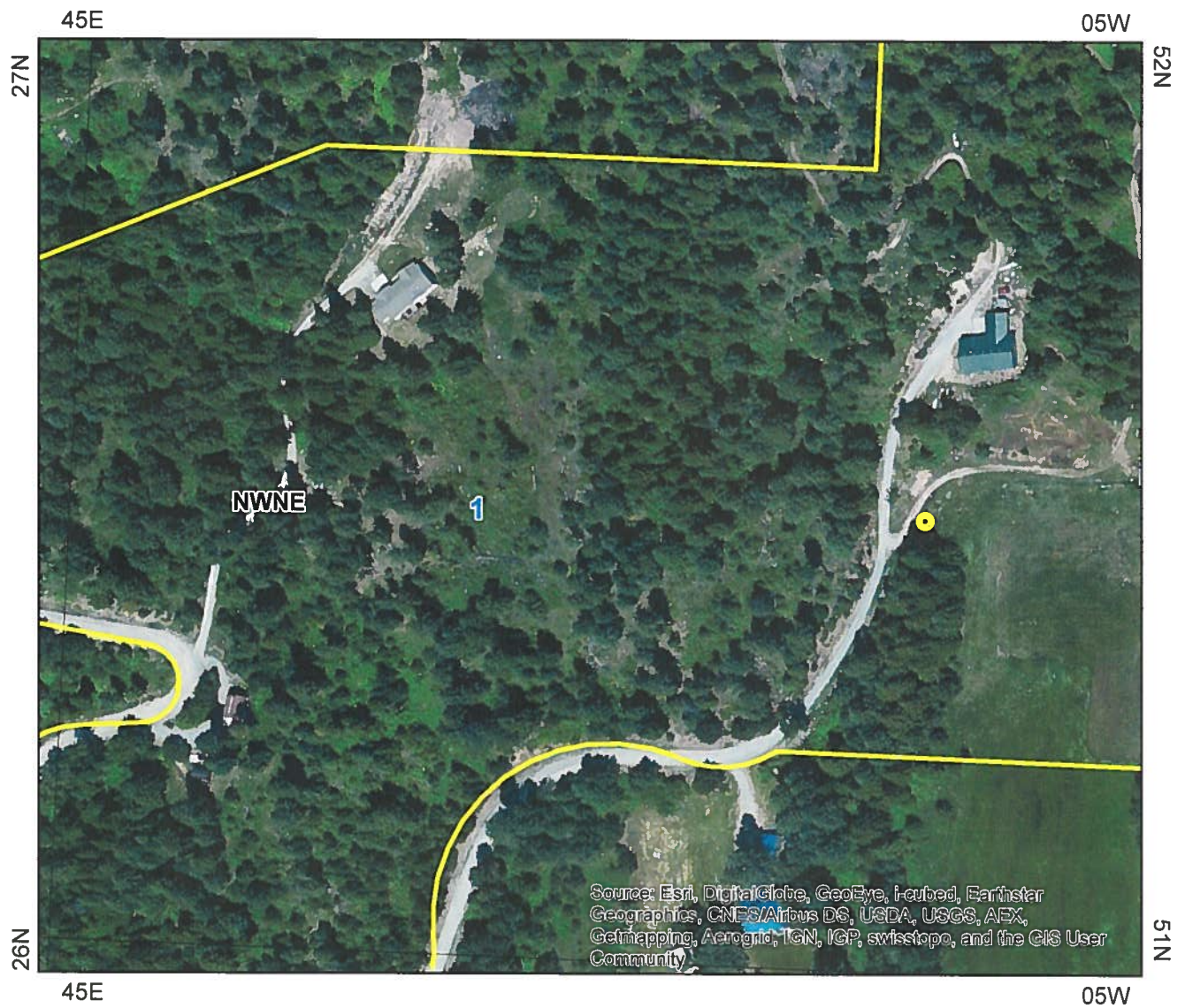


-  Point of Diversion
-  Place Of Use Boundary
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-  PLS Sections
-  Quarter Quarters

0 0.015 0.03 0.06 Miles



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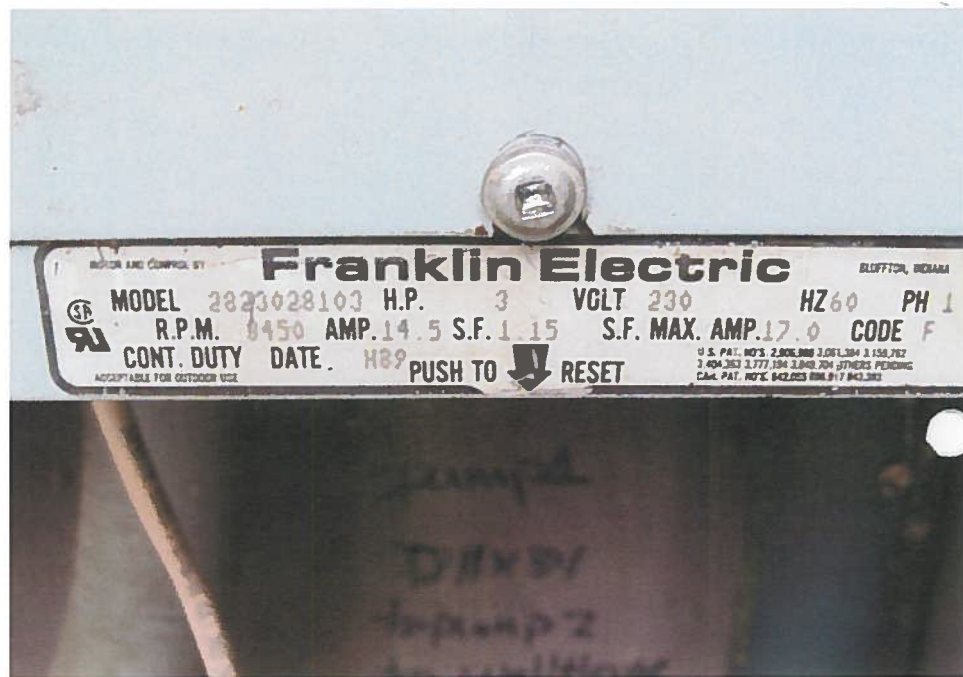
0 0.0225 0.045 0.09 Miles





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