

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10527

Exam Date: 1/30/2015

1. Current Owner: WEST SEASONS ACRES HOME OWNERS ASSN
27494 N CARRIE RD
SPIRIT LAKE ID 83869
(208)691-3064

2. Accompanied by: In office exam

3. SOURCETRIBUTARY

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 NW1/4NW1/4 Sec. 28, Twp 53N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. POD location at 47° 55.041N, 116° 50.961W (A0003273)

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>Totals</u>
53N 04W 28						X	X										

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>Totals</u>
53N 04W 28						2.0	3.0										5.0

Total Acres: 5

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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D0003412	FRANKLIN	5			
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*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:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: THEORETICAL PUMPING EQUATION REQUIRED PER IDAPA RULES 37.03.02.r. SEE ATTACHED.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5\text{AC} \times 3\text{AF} = 15\text{AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05\text{CFS} \times 214 \times 1.9835 = 21.2\text{AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 15\text{AF}$$

2. Volume Calculations for Other Uses: DOMESTIC FOR 10 HOMES = 0.6AF X 10HOMES = 6AF

G. NARRATIVE/REMARKS/COMMENTS

DOMESTIC FOR 10 HOMES WITH 5 ACRES OF IRRIGATION. DIVERSION RATE PER IDAPA RULES 37.03.02 r BENEFICIAL USE EXAMINATION RULES. THEORETICAL PUMPING EQUATION PUTS WELL OUTPUT AT 23.9 GPM OR 0.05 CFS. STORAGE TANK UNDER PUMP HOUSE NEXT TO 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>
DOMESTIC	01/01 to 12/31	0.050 CFS	6.00 AF
IRRIGATION	04/01 to 10/31	0.050 CFS	15.00 AF
<u>Totals:</u>		0.050 CFS	21.00 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

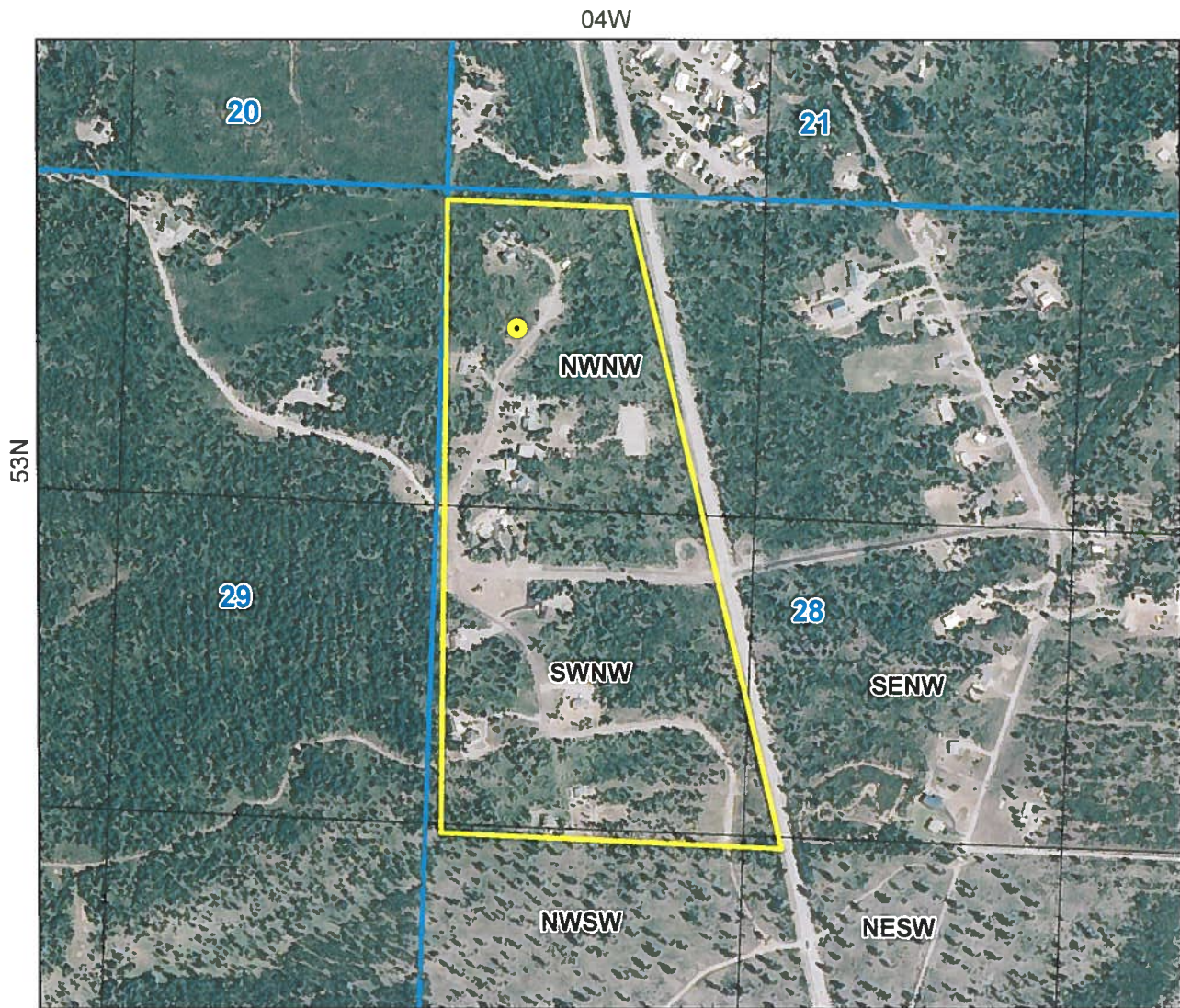
I. AUTHENTICATION

Field Examiner's Name Galen Friedman Date 2-5-2015
 Reviewer Eric J. [Signature] Date 2-5-2015

THEORETICAL PUMPING EQUATION FOR WATER RIGHT 95-10527

PUMP EQUATIONS WATER RIGHT No. 95-10527						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	662.8912	0.8	575	38
Q = 0.053 cfs 23.9 gpm						

State of Idaho
Department of Water Resources
Water Right License
95-10527



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

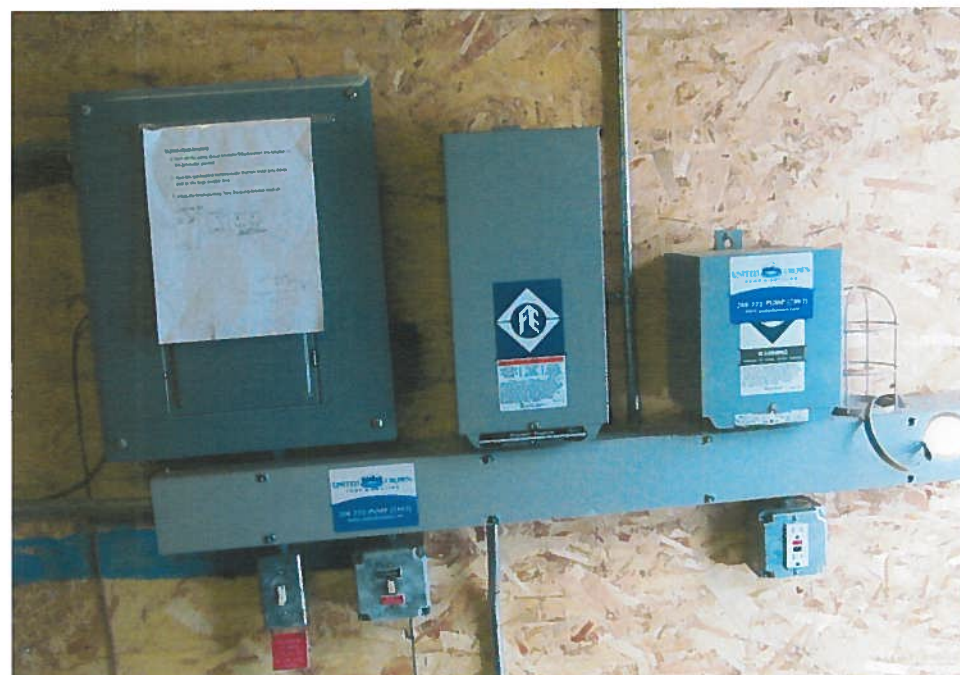
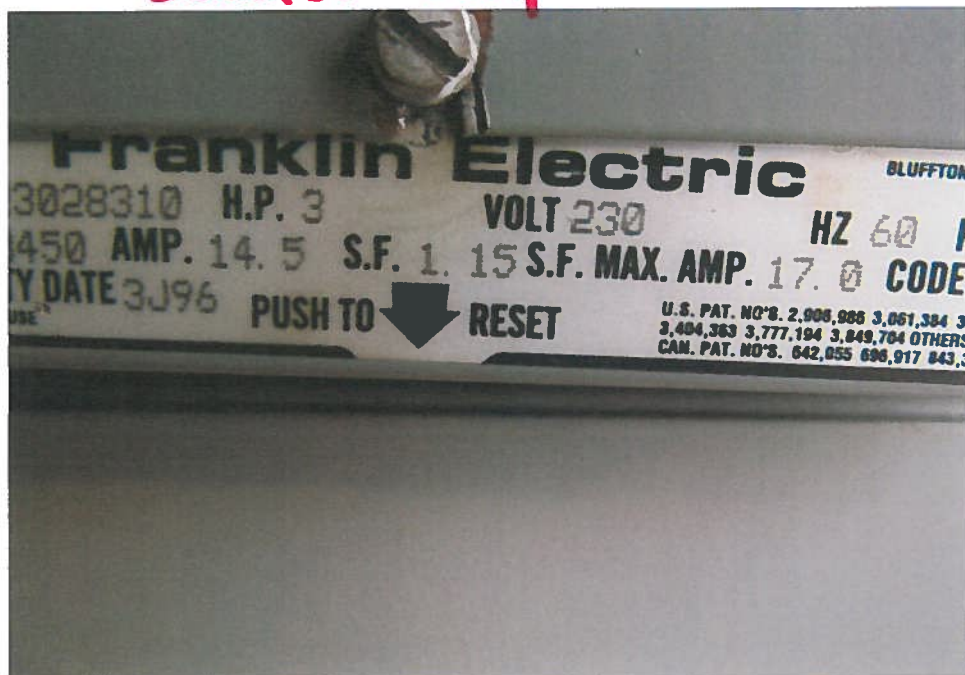
0 0.075 0.15 0.3 Miles





95-10527

Booster Pump



well Pump

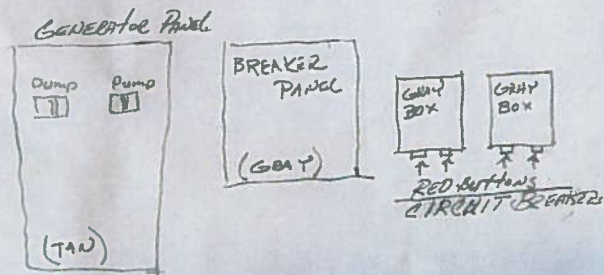




208-772-PUMP (7867)
www.unitedcrown.com



1. Turn off the pump circuit breakers (The breakers are located on the generator panels)
2. Push the red breaker buttons under the two small gray boxes next to the large breaker box
3. When the breakers snap, turn the pump breaker back on



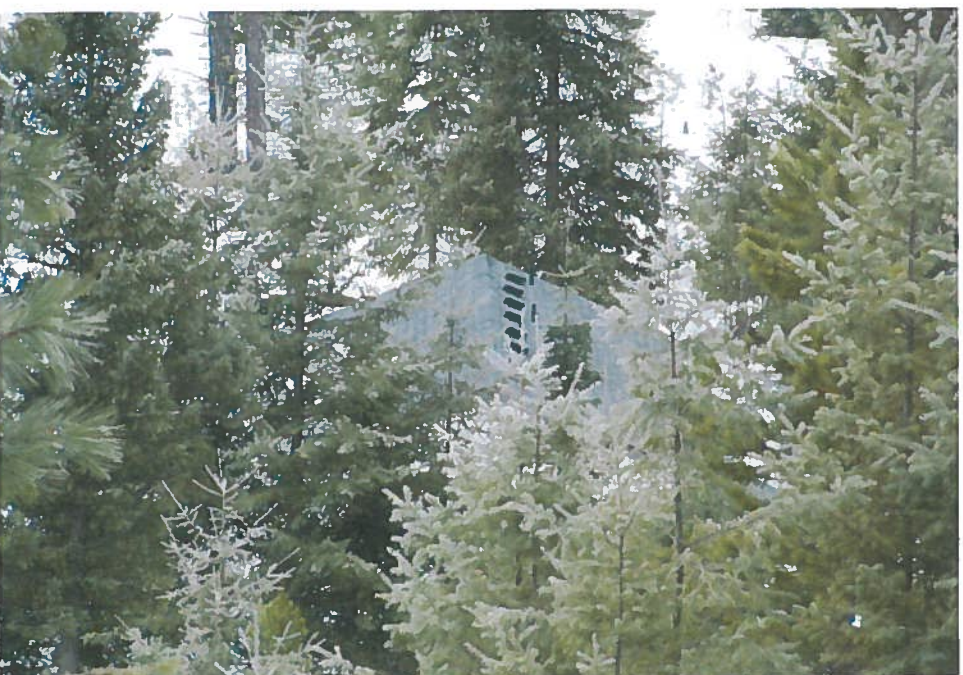
95-10527



95-1052.7



96-10537



95-10527