

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-15577

Exam Date: 9/13/2012

1. Current Owner: REFLECTION RIDGE ESTATES WATER ASSOCIATION
235 PEND OREILLE DR
SPIRIT LAKE ID 83869
(208)623-4425

2. Accompanied by: David Serrells

Phone No: Same

Address: Same

Relationship to Permit Holder: Operator

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 NE1/4SE1/4 Sec. 35, Twp 54N, Rge 04W, B.M. BONNER County

Method of Determination: Map

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
54N	04W	35													X				

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
54N	04W	35													7.0				7.0

Total Acres: 7

PUMP EQUATIONS					
WATER RIGHT No.			95-1557		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $\frac{HP \cdot 8.8 \cdot \text{Eff}}{H}$	5	449.3877551	0.7	380	30
Q = 0.069 cfs 30.8 gpm					

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 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>
D0013665	Franklin	5	Model 2821139310		

D. FLOW MEASUREMENTS

Permit No: 95-15577

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7 \times 3 = 21.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \times 214 \times 1.9835 = 29.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21 \text{ AF}$$

2. Volume Calculations for Other Use: (8 homes x 0.6 AF= 4.8 AF Domestic) (Irrigation 21 AF)

G. NARRATIVE/REMARKS/COMMENTS

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	0.07 CFS	4.80 AF
IRRIGATION	04/01 to 10/31	0.07 CFS	21.00 AF
<u>Totals:</u>		0.07 CFS	25.80 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 E. J. [Signature] Date 11/08/2012Reviewer [Signature] Date 11/9/12



HOME 8.JPG



PUMP IN WELL.JPG



TANK PUMP.JPG



FLOW.JPG



GPS TAG.JPG



POWER.JPG



PUMP HOUSE.JPG



D0013665.JPG



HOME 1.JPG



HOME 2.JPG



HOME 3.JPG



HOME 4.JPG



HOME 5.JPG



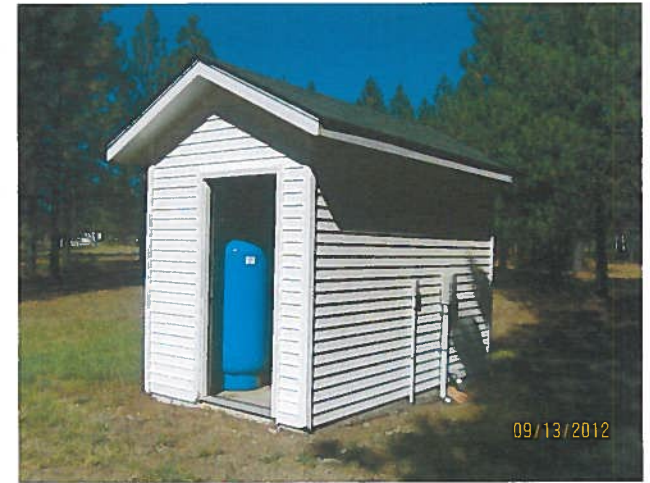
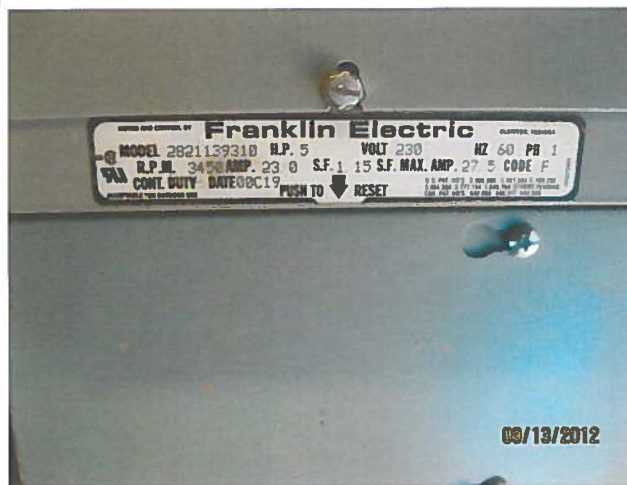
SIGN.JPG



HOME 6.JPG



HOME 7.JPG





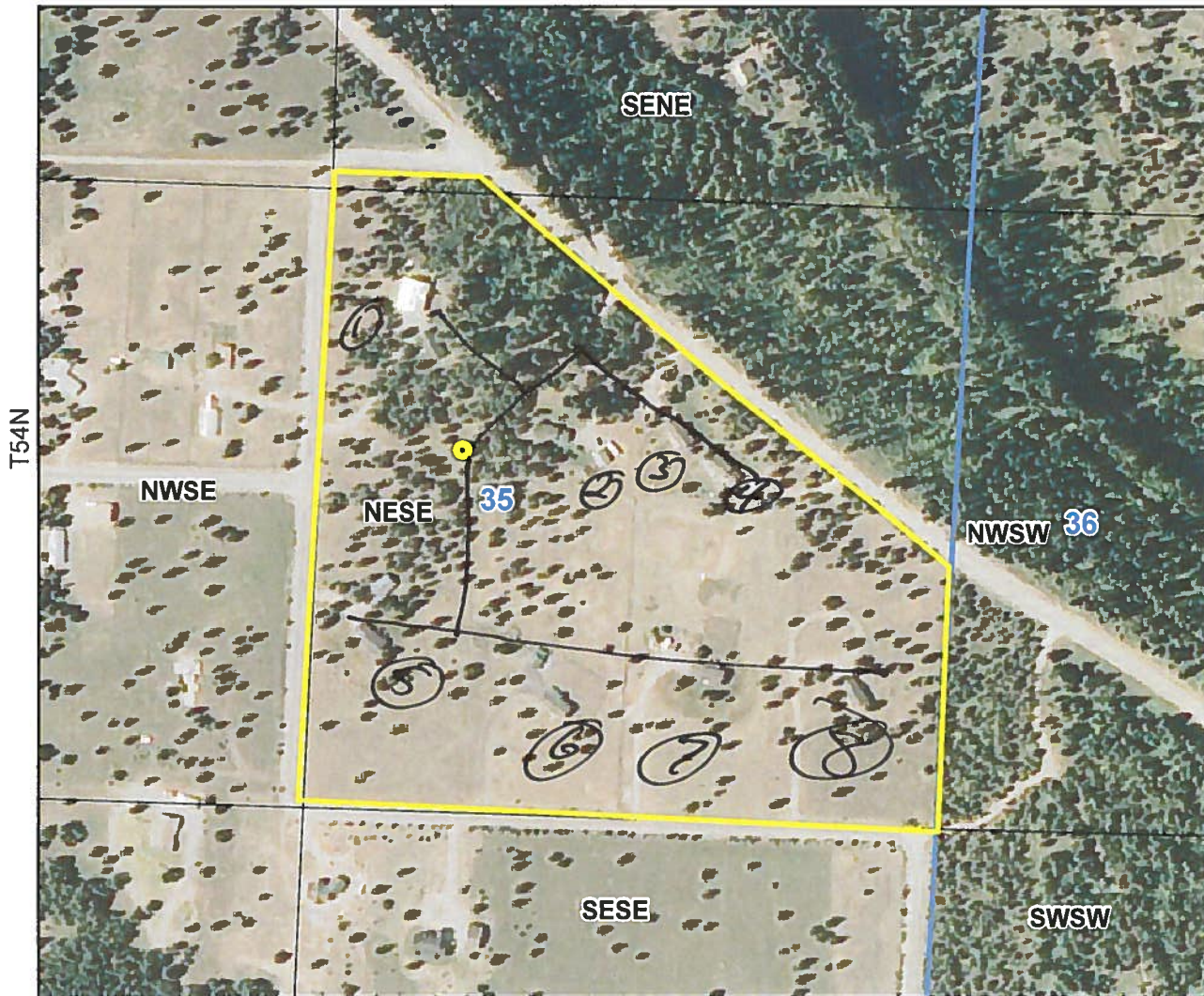
State of Idaho
Department of Water Resources
Water Right License

95-15577

Water Service Area Boundary for Reflection Ridge Estates Water Association

SYSTEM

R04W



0 0.0475 0.095 0.19 Miles

8 Homes

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



State of Idaho
Department of Water Resources

Permit to Appropriate Water

95-15577

Water Service Area Boundary for Reflection Ridge Estates Water Association



0 0.0475 0.095 0.19 Miles

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



REFLECTION RIDGE ESTATES WATER ASSOCIATION

Terry & Geraldine Hughes
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Spirit Lake, ID 83869
623-6046

David & Doris Sorrells
235 Pend Oreille Drive
Spirit Lake, ID 83869
Home: 208-623-4425
Cell: 208-755-6494

George & Deanna Ricks
419 Pend Oreille Drive
Spirit Lake, ID 83869
Home: 623-6468
Cell: 818-1337

Jerrie & Finessa Northrup
469 Pend Oreille Drive
Spirit Lake, ID 83869
623-2716

Jack & Margaret King 533 Pend Oreille Drive Spirit Lake, ID 83869 208-946-7125	Mailing Address: P.O. Box 427 Athol, ID 83801
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Dave & Cynthia Moore
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623-2782

Dan & Julie Cox 8678 N. Clagstone Rd. Spirit Lake, ID 83869 691-5182	Mailing Address: P.O. Box 387 Athol, ID 83801
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Richard & Roberta Fowler
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