

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9181

Exam Date: 7/29/2008

1. Current Owner: ROBERT ZENNIE
PO BOX 1292
RATHDRUM ID 83858
(208)687-9268

And

BRENDA ZENNIE
PO BOX 1292
RATHDRUM ID 83858
(208)687-9268

2. Accompanied by: Bob Beller

Phone No: 208-704-1618

Address: NU

Relationship to Permit Holder: Water System Operator

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

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

GROUND WATER

L7 SW1/4NE1/4

Sec. 4, Twp 50N, Rge 05W, B.M.

KOOTENAI County

Method of Determination: MAP

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
50N	05W	4			X														
					L 7														

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
50N	05W	4			1.0														1.0
					L 7														

Total Acres: 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 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>
D003325	Franklin	3		Franklin	2823028310/H260

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT						
No.			95-9181			
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	3	235.6462585	0.7	120	50
Q =	0.079 cfs 35.3 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \text{ ac} \times 3 \text{ AF} = 3 \text{ AF}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3 \text{ AF}$$

2. Volume Calculations for Other Uses: Irrigation = 3 AF Domestic = 5 homes X 0.6 AF = 3 AF

G. NARRATIVE/REMARKS/COMMENTS This system will work for 5 homes and 1 ac of Irrigation.

Have conditions of permit approval been met? X 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	0.080 CFS	3.00 AF
IRRIGATION	03/15 to 11/15	0.030 CFS	3.00 AF
<u>Totals:</u>		0.080 CFS	6.00 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 Eric [Signature] Date 9-3-2008

Reviewer [Signature] Date 9/12/08

95-9181



0 12.5 25 50 75 100 Meters

Legend

- QQ
- place of use
- Right POD
- Sections



SYSTEM



0 12.5 25 50 75 100 Meters

Legend

-  QQ
-  place of use
-  Right POD
-  Sections





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POU 3 & 4 .JPG



WELL .JPG



TAG .JPG



PUMP DATA.JPG



SYSTEM.JPG



POU 5 .JPG



PSI.JPG



POU 1&2.JPG



PUMP HOUSE.JPG

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