

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7432B

Exam Date: 7/18/2012

1. Current Owner: WESLEY & BONNIE ROSE LIVING TRUST
60 FIFE LN
SALMON ID 83467
2. Accompanied by: Owner not present

3. **SOURCE**

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: 72-7432D

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L4 SW1/4NW1/4NE1/4 Sec. 28, Twp 13N, Rge 19E, B.M.
CUSTER County

Method of Determination: GPS 44 25.915/114 13.277

2. **PLACE OF USE:**

2. <u>PLACE OF USE:</u>			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>	
13N	19E	28		2.7	.4		.4			.5								4.0	
				L 4	L 4		L 2			L 3									

Total Acres: 4

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.

Well or Diversion

<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 Size</u>
D0015120	Submersible				

D. FLOW MEASUREMENTS

E. FLOW CALCULATIONS

Measured method: Theoretical Yield

$$Q = \frac{8.8 \times (\text{hp}) \times (\text{eff})}{H}$$

Where: hp = **5 hp** (per Owner)

Eff = efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)

H = 51' + (2.31 x 40) = 143.4

$$\frac{8.8 \times 5 \times .70}{143.4} = \mathbf{0.21 \text{ cfs}}$$

Irrigation: 4 acres x 0.03 cfs/acre = **0.12 cfs**Permitted amount = **0.10 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

4 acres X 3.5 afa/acre = **14 afa****G. NARRATIVE/REMARKS/COMMENTS**

Water right 72-7432 was originally filed as an irrigation and domestic water right to water 15 acres and service one home. In 1995 the water right was split into three parts, each property was assigned 5 acres of irrigation. Water right 72-7432B was assigned to a new owner with 5 acres of irrigation. The field exam found that the water right has been developed to irrigate 4 acres. The point of diversion is shared with water right 72-7432D. It is recommended that the right be licensed for 4 acres of irrigation and the permitted diversion rate of 0.10 cfs.

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	04/01 to 11/01	0.100 CFS	14.00 AF
<u>Totals:</u>		0.100 CFS	14.00 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 Nathan Emsh Date 9/27/12Reviewer Chris M. Smith Date 9/28/12



State of Idaho
Department of Water Resources
Attachment To Water Right License
72-7432B

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

R19E



0 0.025 0.05 0.1 Miles

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

