

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-7175

Exam Date: 9/13/2011

1. Current Owner: KYLE BEIERLE
PO BOX 3308
POST FALLS ID 83877
(208)660-4170
2. Accompanied by: Owner
Phone No: SAME
Address: SAME
Relationship to Permit Holder:

3. **SOURCE**

ST JOE RIVER

TRIBUTARY

COEUR D ALENE LAKE

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:**ST JOE RIVER
SHOSHONE County

L9 NW1/4NE1/4

Sec. 6, Twp 45N, Rge 02E, B.M.

Method of Determination: Map And Aerial Photo

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>	
45N	02E	6		X															
				L 9															

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>	
45N	02E	6		1.0															1.0
				L 9															

Total Acres: 1

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

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

1.

2. Measurements: : 5 GALLON BUCKET IN 17 SEC = 0.04 CFS

____ Additional Computation Sheets Attached

PUMP EQUATIONS						
WATER RIGHT No.						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$HP \cdot 8.8 \cdot \text{Eff} / H$	1	144.0816	0.7	40	45
Q =		19.2 gpm				

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.04 \times 231 \times 1.9835) = 18.32\text{ AF}$$

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

2. Volume Calculations for Other Uses: 0.6 AF PER DOMESTIC USE = 2 RV'S X 0.6 AF=1.2 AF

G. NARRATIVE/REMARKS/COMMENTS : THE MAXIMUM DIVERSION RATE IS BASED OFF THE DIVERSION CAPACITY OF THE SYSTEM. 0.04 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>
DOMESTIC	01/01 to 12/31	0.020 CFS	1.20 AF
IRRIGATION	03/15 to 10/31	0.030 CFS	3.00 AF
<u>Totals:</u>		0.040 CFS	4.20 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 01-30-2012

Reviewer D. [Signature] Date 11/14/12



RV.JPG



FILTER.JPG



LOT.JPG



PUMP.JPG



