

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-7193

Exam Date: 9/13/2011

1. Current Owner: ROBERT H MC CALL
18511 N CIRCLE S TRAIL
RATHDRUM ID 83858
(208)687-3003

And

PAULA K MC CALL
18511 N CIRCLE S TRAIL
RATHDRUM ID 83858
(208)687-3003

2. Accompanied by: OWNER
Phone No:
Address:
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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

ST JOE RIVER L3 NE1/4NW1/4 Sec. 6, Twp 45N, Rge 02E, B.M. SHOSHONE 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>	
45N 02E 6					X												
					L 3												
46N 02E 31												X					

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>
SEE PHOTOS		1HP			

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

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS						
WATER RIGHT No.						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1	144.0816	0.7	40	45
Q =	0.043 cfs 19.2 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses: 1.2 AF DOMESTIC USE WITH UP TO 1/2 AC OF IRRIGATION

G. NARRATIVE/REMARKS/COMMENTS : THE MAXIMUM DIVERSION RATE IS BASED OFF THE DIVERSION CAPACITY OF THE SYSTEM. 0.04 CFSHave 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	0.040 CFS	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 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. AUTHENTICATIONField Examiner's Name Eva J. Davis Date 02/01/2012Reviewer A. Taylor Date 2/2/2012



FILTER.JPG



LOT.JPG



PIS.JPG



PUMP.JPG



RV.JPG

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WOR# 91-7193





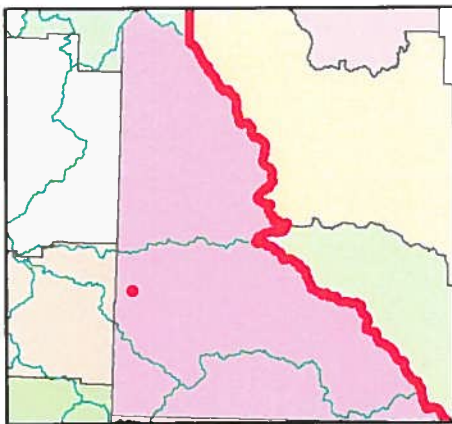
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Idaho Department of Water Resources

Water Right
91-7193
(DOMESTIC)

-  Point of Diversion
-  Place of Use
-  State Outline
-  Townships
-  PLS Sections
-  Quarter Quarters



Shoshone County
IDWR Basin 91

Prepared by Davis, Eric

2009 Aerial Photography

