

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9481

Exam Date: 6/4/2013

1. Current Owner: MARK PERRY
2037 W SLATON DR
MERIDIAN ID 83642
208-761-3759
2. Accompanied by: OWNER
Phone No:
Address:
Relationship to Permit Holder:

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

MANLEY CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-8419
2. Other water rights with the same point of diversion: 96-8419

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

UNNAMED STREAM NW1/4SW1/4 Sec. 14, Twp 56N, Rge 04W, B.M. BONNER County

Method of Determination: MAP AND GPS

2.

PLACE OF USE: POWER

Twp Rge Sec	NE				NW				SW				SE				
	<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>	<u>Totals</u>
56N 04W 14										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.

D. FLOW MEASUREMENTS AND FLOW CALCULATIONS

2. Measurements: WITH ONE NOZZLE ON = 2.25 GALLONS PER 10 SECONDS= 13.5 GPM = 0.03 CFS
WITH TWO NOZZLES ON = 4.5 GALLONS PER 10 SECONDS= 27 GPM = 0.06 CFS MAX FLOW IS 0.06 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: NO VOLUME/ RUN OF THE RIVER

G. NARRATIVE/REMARKS/COMMENTS: THE ELEVATION WAS GPS AT THE POD AND THE USE LOCATION 196 HEAD PIS 90 SYSTEM IS A (POWER SPOUT -BE) THAT WILL USE 13.5 GPM LOW FLOW AND MAX FLOW OF 27 GPM.

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>
POWER	10/01 to 03/31	0.030 CFS	
POWER	04/01 to 09/30	0.060 CFS	
<u>Totals:</u>		0.060 CFS	

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

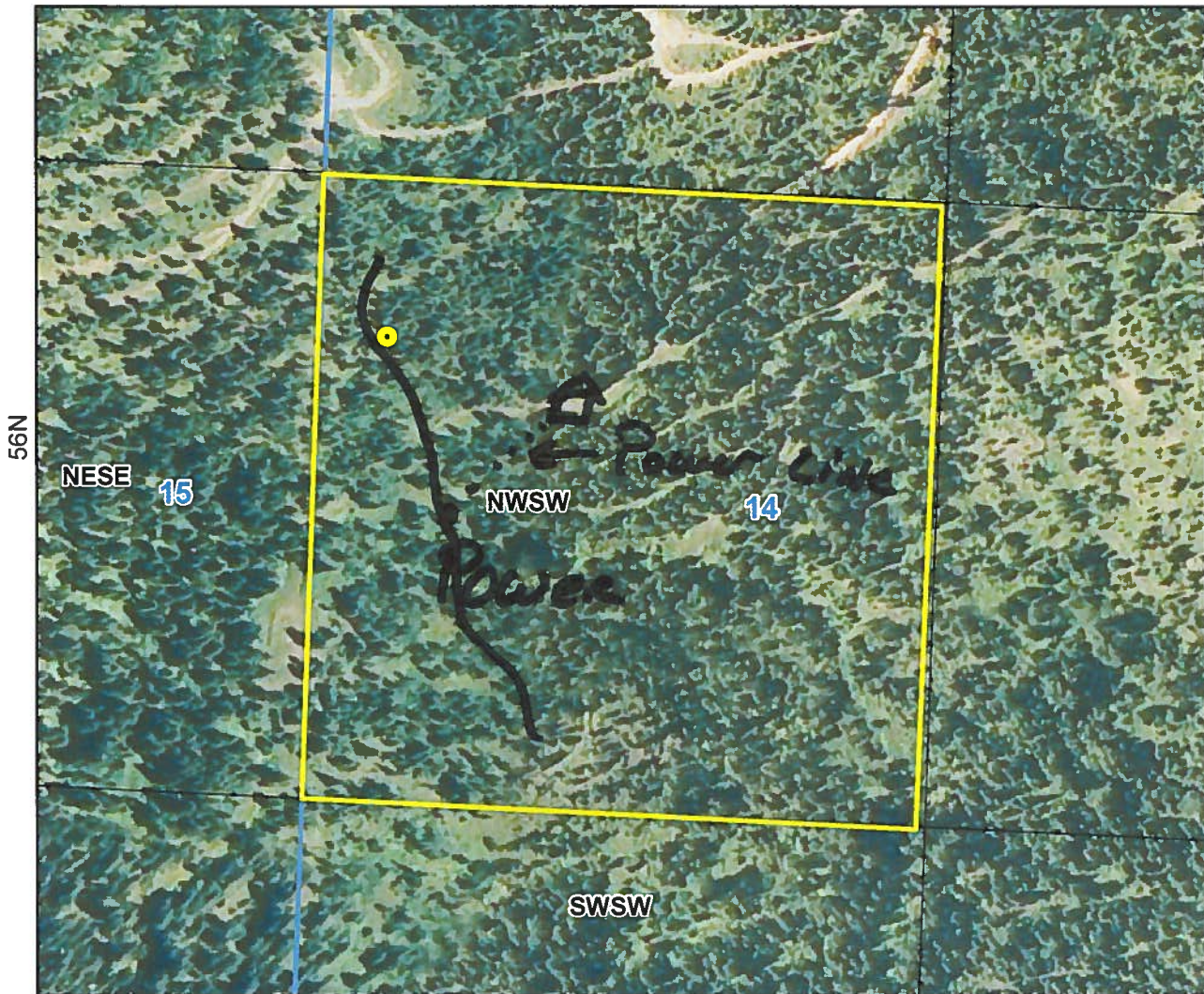
Field Examiner's Name  Date 6-6-2013

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
96-9481

SYSTEM

04W



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

0 0.0475 0.095 0.19 Miles

196 FT Head
2" PVC





Inlet to Penstock 3.JPG



Power Sput - BE.JPG



power.JPG



POWER.JPG



System.JPG



Pressure US Turbine.JPG



Inlet to Penstock 2.JPG

