

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9390

Exam Date: 5/9/2008

1. Current Owner: RUSSELL A WATT
14280 N HAUSER LAKE RD
HAUSER ID 83854
(208)457-9021
2. Accompanied by: OWNER
Phone No: SAME AS ABOVE
Address: SAME AS ABOVE
Relationship to Permit Holder: SELF

3. SOURCE

SHAW CREEK

TRIBUTARY

HAUSER 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:

SHAW CREEK L2 NW¼NE¼ Sec. 12, Twp 51N, Rge 06W, B.M. KOOTENAI County

Method of Determination:

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	06W	12		1.5															1.5
				L 2															

Total Acres: 1.5

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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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:

PUMP EQUATIONS WATER RIGHT No. 95-9390						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1	135.6462585	0.8	20	50
Q =	0.052 cfs 23.3 gpm					

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

5 gallon bucket

4 gallons in 10sec = 24 gpm = 0.05 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3 = 4.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .05 \times 246 \times 1.9835 = 24.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM PULLS WATER FROM SHAW CREEK FOR IRRIGATION. THE PUMP IS A 1 HP PUMP WITH ABOUT 20 FEET OF LIFT. THE SYSTEM RUNS AT 55 PSI. THIS SYSTEM HAS A REMOVABLE INTAKE IN SHAW CREEK WITH REMOVABLE LINE FROM THE INTAKE UP TO 30 FT FROM THE SHOP. AT THAT POINT THE LINE IS BURIED RUNNING INTO THE SHOP WHERE THE PRESSURE TANK AND IRRIGATION CONTROLS ARE. FROM THERE IT HAS MULTIPLE SPICKETS ON THE OUT SIDE OF THE SHOP WHERE HOSES ARE HOOKED UP AND DRUG ACROSS THE PLACE OF USE. THE PLACE OF USE IS 1.5 ACRES OF LAWN IRRIGATION AROUND THE HOUSE AND OUTBUILDINGS.

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	03/15 to 11/15	0.050 CFS	4.50 AF
<u>Totals:</u>		0.050 CFS	4.50 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

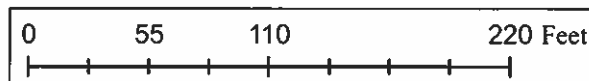
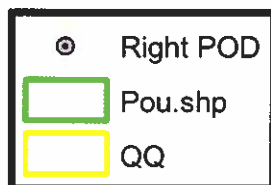
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

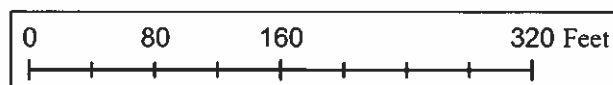
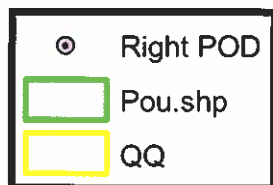
Field Examiner's Name [Signature] Date 5-14-08

Reviewer [Signature] Date 5/16/8

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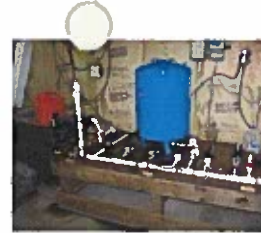
CONNECTION POINT OF
REMOVABLE LINE



IRRIGATION CONTROLLER



IRRIGATION SPICKETS



IRRIGATION SYSTEM 1



IRRIGATION SYSTEM 2



PLACE OF USE 1



PLACE OF USE 2



PLACE OF USE 3



PLACE OF USE 4



POINT OF DIVERSION



POINT OF DIVERSION
SCREEN



REMOVABLE LINE FROM
POINT OF DIVERSION



SYSTEM RUNNING

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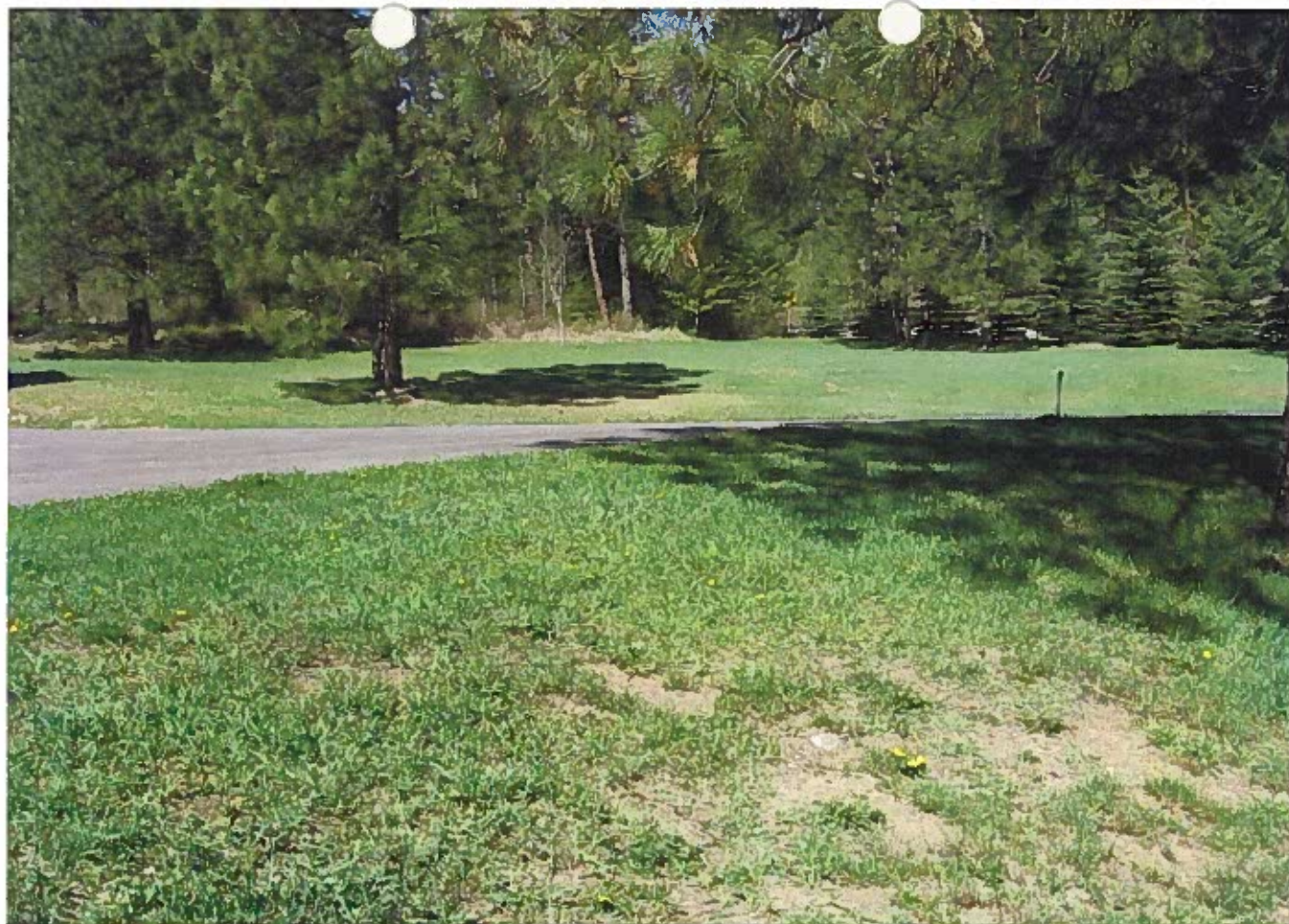
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