

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9194

Exam Date: 8/8/2007

1. Current Owner: JEFFREY M ANDERSON
6444 W DIAGONAL RD
RATHDRUM ID 83858

2. Accompanied by: Owner

Phone No: 208-755-7933

Address: Same As Above

Relationship to Permit Holder: Self

3. SOURCETRIBUTARY

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: None

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

GROUND WATER

NE 1/4 SE 1/4

Sec. 20, Twp 52N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: GPS N. 47 50.126 W. 116 51.323

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
52N 04W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
													X	X	X	X	

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
52N 04W 20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
													3.5	.6	.8	5.1	10.0

Total Acres: 10

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.

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>
<u>U/K</u>	<u>U/K</u>	<u>10</u>	<u>U/K</u>	<u>U/K</u>	<u>U/K</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:

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT					
No.			95-9194		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	10	308.7755102	0.7	170	60
Q =	0.200 cfs	89.7 gpm			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \times 3 = 30 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .20 \times 246 \times 1.9835 = 97.6 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 30.0 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic AF} = .6 \text{ AF}$$

$$\begin{array}{r} 30.0 \\ + .6 \\ \hline 30.6 \text{ AF total} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER FOR DOMESTIC AND IRRIGATION. THE DOMESTIC IS FOR 1 HOME AND THE IRRIGATION IS FOR 7.2 ACRES. TALKED TO THE OWNER DURING THE FIELD EXAM ABOUT THIS PERMIT NEEDING AN AMENDMENT DUE TO THE FACT THAT THE PROPERTY IS IN 4 Q.Q. AND HE IRRIGATES IN ALL OF THEM.

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	0.040 CFS	0.60 AF
IRRIGATION	03/15 to 11/15	0.200 CFS	30.00 AF
<u>Totals:</u>		0.200 CFS	30.60 AF

2. Recommended Amendments

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

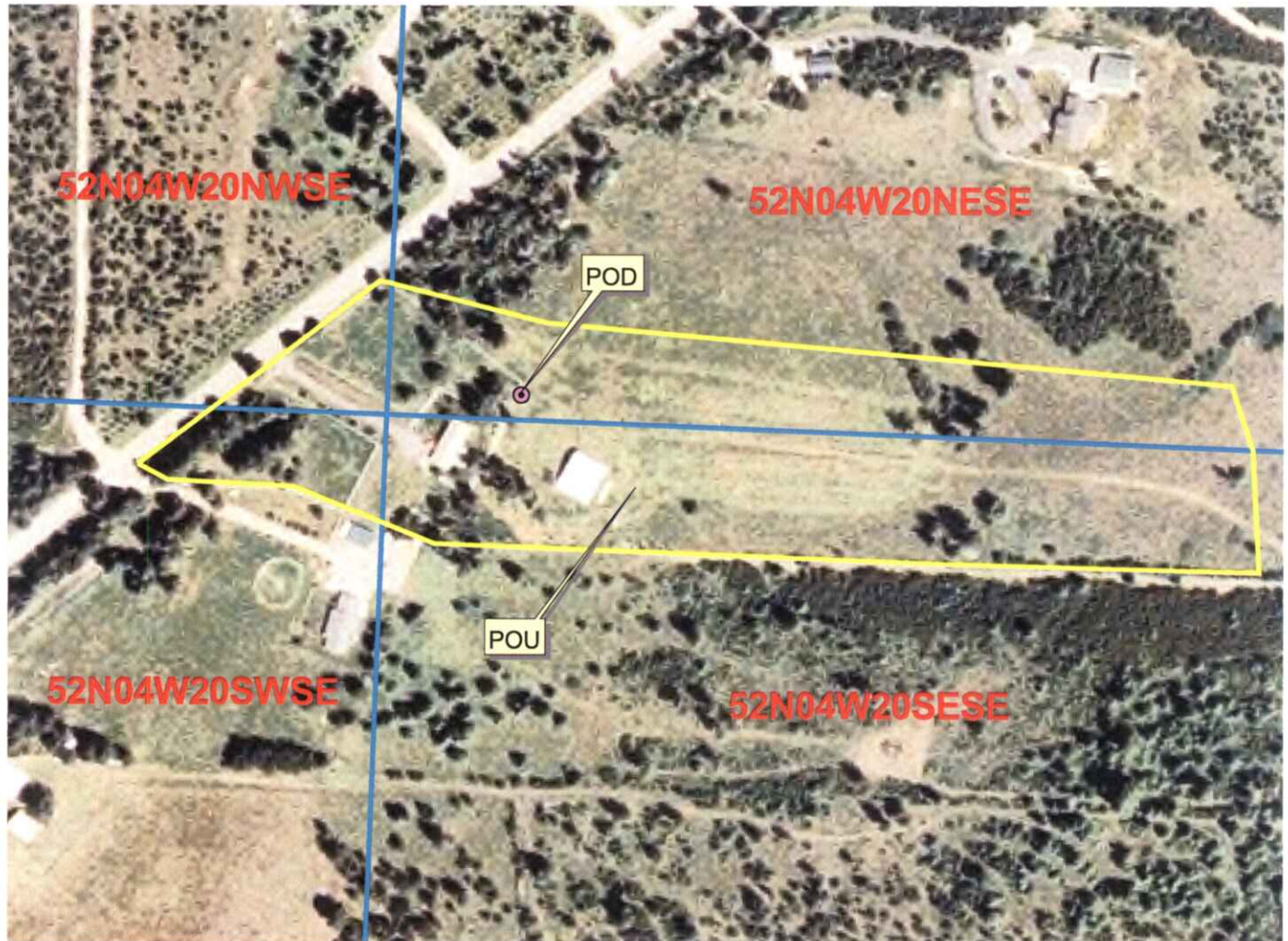
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name [Signature] Date 2-14-08

Reviewer [Signature] Date 3/3/8

95-9194



- Pou.shp
- Administrative BasinsAdminbas.shp
- Township/Range
- Sections
- QQ
- Right POD





PLACE OF USE 1



PLACE OF USE 2



PLACE OF USE 3



POINT OF DIVERSION



SYSTEM RUNNING 1



SYSTEM RUNNING 2

95-9194

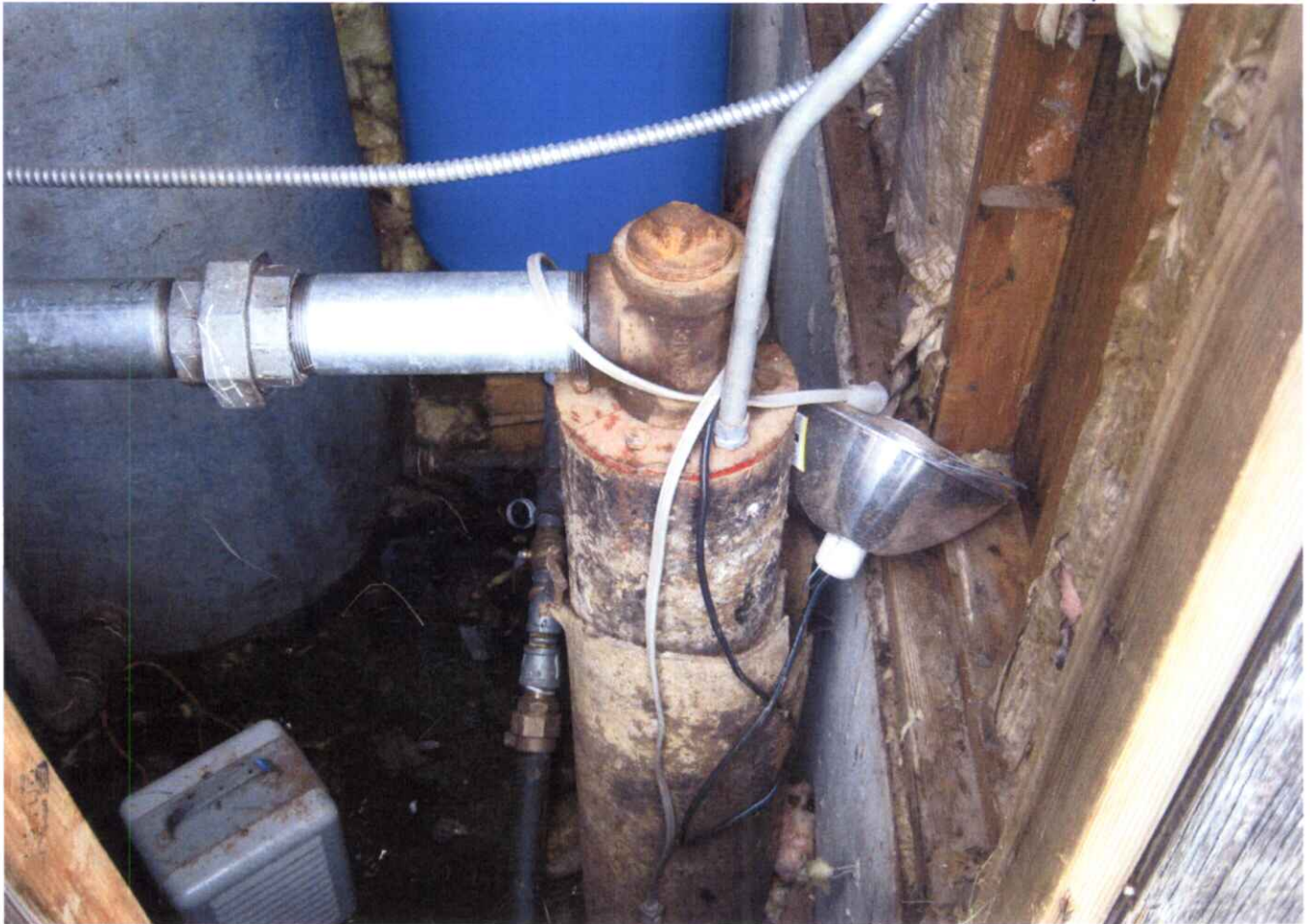


95- 9194





95-9194





95-9194

