

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8921

Exam Date: 8/22/2007

1. Current Owner: COEUR D'ALENE PAVING INC
120 E ANTON ST
COEUR D'ALENE ID 83815
2. Accompanied by: *Todd Huffman*
Phone No: *Same*
Address: *Same*
Relationship to Permit Holder: *Worker*

3. SOURCE

GROUND WATER

TRIBUTARY

B. OVERLAP REVIEW

1. Other water rights with the same place of use;
2. Other water rights with the same point of diversion;

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

NW1/4NE1/4

Sec. 34, Twp 52N, Rge 04W. B.M.

KOOTENAI County

Method of Determination: *GPS N 47° 49.010 W 116° 49.075*

2.

PLACE OF USE: IRRIGATION

[illegible]

Total Acres: 2

PLACE OF USE: DOMESTIC and COMMERCIAL

[illegible]

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>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
95-95-N-059	4/2	7.5	4/2	4/2	NOTE: Pump 7.5hp 450V 3 PH

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

D. FLOW MEASUREMENTS

1.

[illegible]

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No.				WELL (95-95-N-059) 95-8921		
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$HP \cdot 8.8 \cdot \text{Eff} / H$	7.5	404.0816	0.75	300	45
Q =	0.123 cfs		55.1 gpm			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \times 3 \text{ AF} = 6 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 246 \times 1.9835 = 29.27 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\text{Irrigation} = 6 \text{ AF}$$

$$\text{Domestic} = \text{Office } 0.6 \text{ AF}$$

$$\text{Commercial} = 2080 \text{ hr per year @ } 0.12 \text{ cfs}$$

$$2080 \div 24 \text{ hrs} = 87 \text{ days}$$

$$0.12 \text{ cfs} \times 87 \text{ days} \times 1.9835 = 20.7 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS: Lease option to buy property.

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	0.060 CFS	6.00 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
COMMERCIAL	01/01 to 12/31	0.120 CFS	20.70 AF
<u>Totals:</u>		0.120 CFS	27.30 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 2-4-2008

Reviewer [Signature] Date 2/5/8

95-8921



0.1 0 0.1 0.2 Miles

- Kootenai taxlots
- Place of use.shp
- QQ
- Right POD





PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



POINT OF DIVERSION.JPG



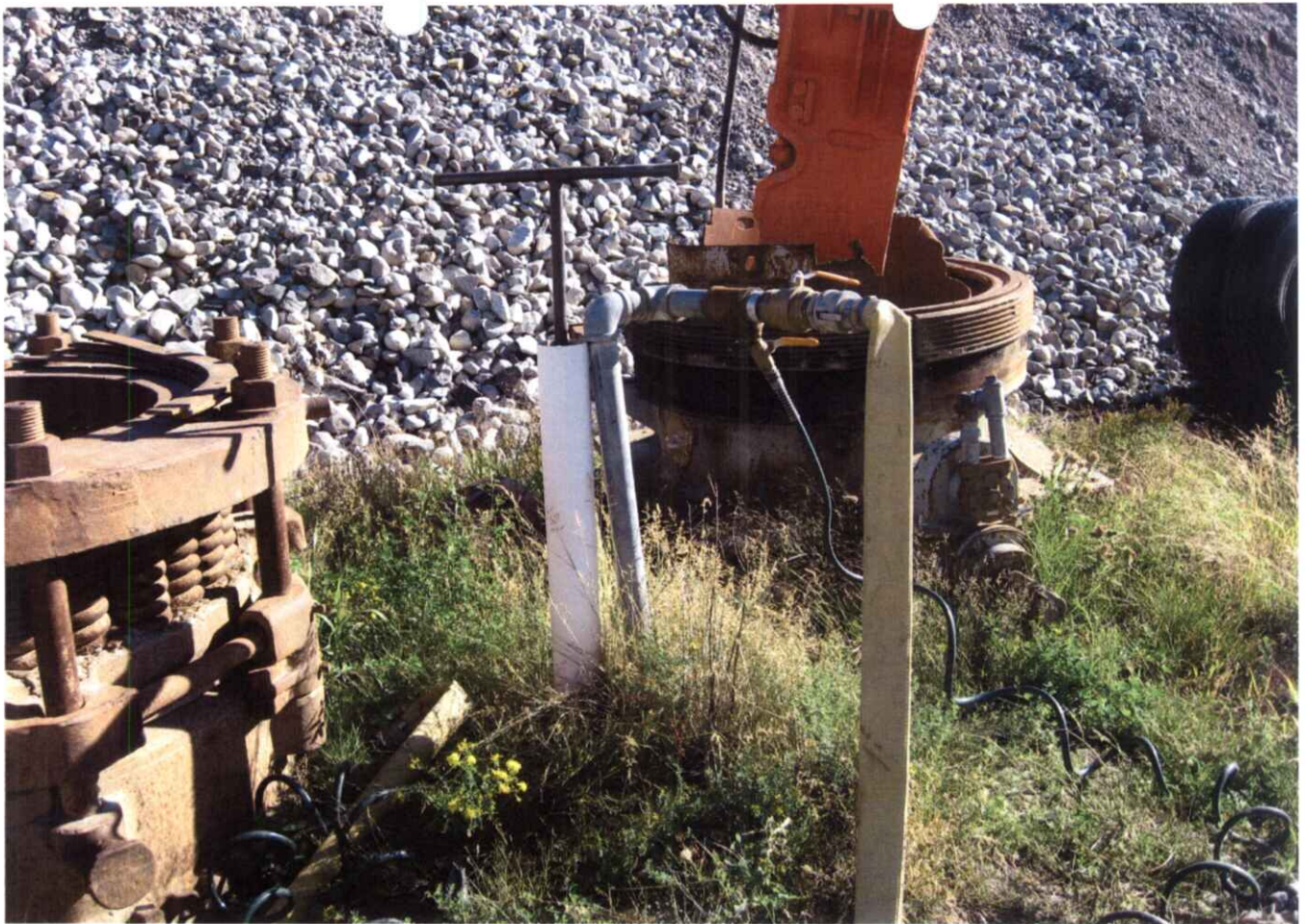
SYSTEM PRESSURE.JPG

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