

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8805

Exam Date: 7/25/2007

1. Current Owner: INTERSTATE CONCRETE & ASPHALT CO
845 W KATHLEEN AVE
COEUR D ALENE ID 83814
(208)765-1144

2. Accompanied by: MIKE BESANCON

Phone No: 208-755-0472

Address: SAME

Relationship to Permit Holder: MANAGER

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 NW1/4SW1/4NE1/4 Sec. 35, Twp 52N, Rge 04W, B.M. KOOTENAI County

Method of Determination: **GPS** *N 47° 48, 777 W 116° 47.775*

2.

PLACE OF USE: FIRE PROTECTION

Twp Rge Sec	NE				NW				SW				SE				Totals
52N 04W 35	<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>	
				X													

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
52N 04W 35	<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>	
	1.0			1.0													2.0

Total Acres: 2

[illegible][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>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>
95-93-4-43		15		GOULDS	

*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			WELL#1		
WATER RIGHT No.			95-8805		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \cdot 8.8 \cdot \text{Eff}}{H}$	15	548.6463	0.7	410	50
$Q = 0.112 \text{ cfs}$			50.5 gpm		

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 246 \times 1.9835 = 9.75 \text{ af}$$

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

2. Volume Calculations for Other Uses: (IRR=6AF) (DOMESTIC = $3 \times 0.6 \text{ AF} = 1.8 \text{ AF}$) INDUSTRIAL = $10 \text{ HR} \times 5 \text{ DAYS} \times 52 \text{ WEEKS} = 2600 \text{ HR} / 24 \text{ HR} = 108 \text{ DAYS}$ (INDUSTRIAL = $0.11 \text{ CFS} \times 1.9835 \text{ AF} \times 108 \text{ DAYS} = 23.6 \text{ AF}$) **TOTAL VOLUME = 31.4 AF**

G. NARRATIVE/REMARKS/COMMENTS

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

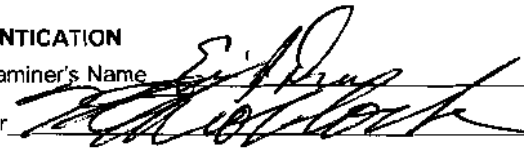
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
FIRE PROTECTION	01/01 to 12/31	0.110 CFS	NONE
IRRIGATION	03/15 to 11/15	0.020 CFS	6 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	1.8 AF
INDUSTRIAL	01/01 to 12/31	0.110 CFS	23.6 AF
<u>Totals:</u>		0.110 CFS	31.4 AF

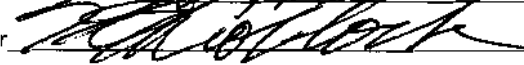
2. Recommended Amendments

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

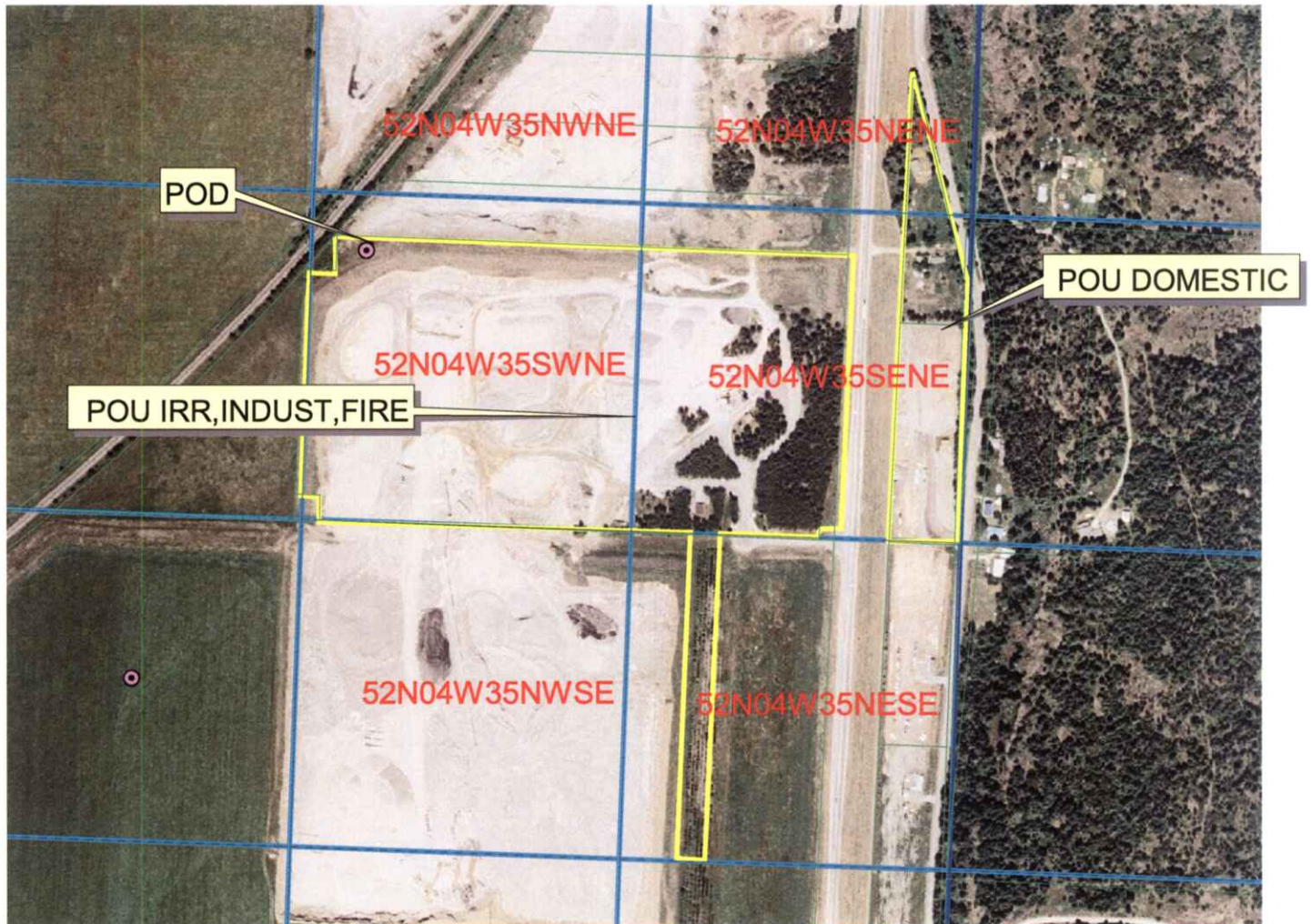
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name  Date 12-20-2007

Reviewer  Date 2/8/8

95-8805



0.2 0 0.2 0.4 Miles

- Kootenai taxlots
- GCDB52N04W GCDB
- Place of use.shp
- Point of diversion.shp
- Township/Range
- Sections
- QQ
- Right POD



95-8805



0.3 0 0.3 0.6 Miles

↑
Irrigation

- Place of use.shp
- Township/Range
- ⬠ Permit POD
- ⬠ Point of diversion.shp

RECEIVED
JAN 15 2008
IDWR/North





DOMESTIC PLACE OF USE
1.JPG



DOMESTIC PLACE OF USE
2.JPG



DOMESTIC PLACE OF USE
3.JPG



INDUSTRIAL PLACE OF
USE 1.JPG



INDUSTRIAL PLACE OF
USE 2.JPG



IRRIGATION PLACE OF
USE 1.JPG



IRRIGATION PLACE OF
USE 2.JPG



PRESSURE TANKS.JPG



WELL TAG.JPG



WELL.JPG

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