

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9351
Exam Date: 2/11/2015

1. Current Owner: COEUR D'ALENE FIBER FUELS INC
16620 W PRAIRIE AVE
HAUSER ID 83854
(208) 262-2415
2. Accompanied by: Zek
Phone No: 208-597-2845
Address: 16620 W Prairie Ave
Relationship to Permit Holder: Manager

3. SOURCE TRIBUTARY
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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW1/4NE1/4 Sec. 30, Twp 51N, Rge 05W, B.M. KOOTENAI County

Method of Determination: GPS and Maps. POD location at 47° 44.661N 117° 00.698W (A0003285)

2.

PLACE OF USE: DOMESTIC

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 05W 30		X															

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 05W 30		.75															.75

Total Acres: 0.75

PLACE OF USE: FIRE PROTECTION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 30	<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: FIRE PROTECTION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 05W 30	<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															

DIVERSION TO STORAGE same as FIRE PROTECTION STORAGE

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>
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D0046089

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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FLOW METER ON SYSTEM

2. Measurements: 24 GPM.

E. FLOW CALCULATIONS

Measured Method: N/A

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .75 \times 3 = 2.3\text{AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .03 \times 246 \times 1.9835 = 14.6\text{AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 2.3\text{AF}$$

2. Volume Calculations for Other Uses: DOMESTIC = 0.6AF

$$\text{FIRE PROTECTION STORAGE} = 18^2\pi \times 19 = 19339.6 / 43560 = .45\text{AF}$$

0.05AF STORAGE TANK USED TO PRIME PUMP BELOW FIRE PROTECTION PUMP HOUSE.

$$\text{TOTAL FIRE PROTECTION STORAGE } .45 + .05 = 0.5 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

DOMESTIC USE IS FOR 5 BATHROOMS, KITCHEN AREA, AND SHOWERS. NUMBER OF EMPLOYEES VARIES BETWEEN 10-20. IRRIGATION IS FOR 0.75 ACRES. FIRE PROTECTION STORAGE IS FOR 0.5AF. WELL PRODUCED 24 GPM AS MEASURED ON METER.

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	0.020 CFS	2.30 AF
FIRE PROTECTION FROM STORAGE	01/01 to 12/31		0.50 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		0.50 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.060 CFS	
<u>Totals:</u>		0.060 CFS	3.40 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 Adam Frederick Date 2-23-2015

Reviewer [Signature] Date 2-23-2015

State of Idaho
Department of Water Resources
Water Right License
95-9351



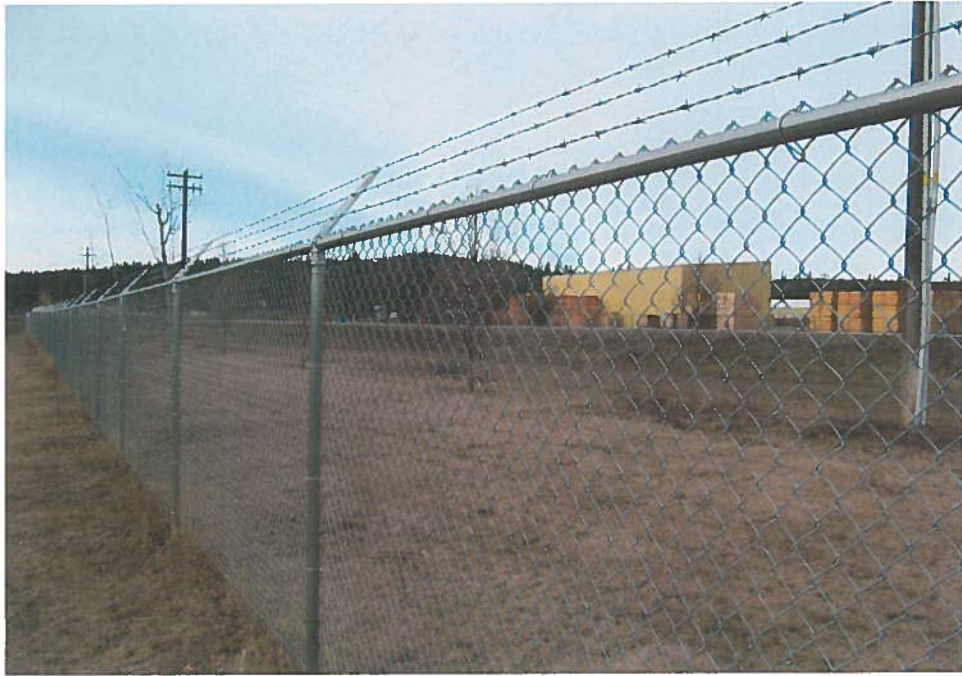
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.03 0.06 0.12 Miles

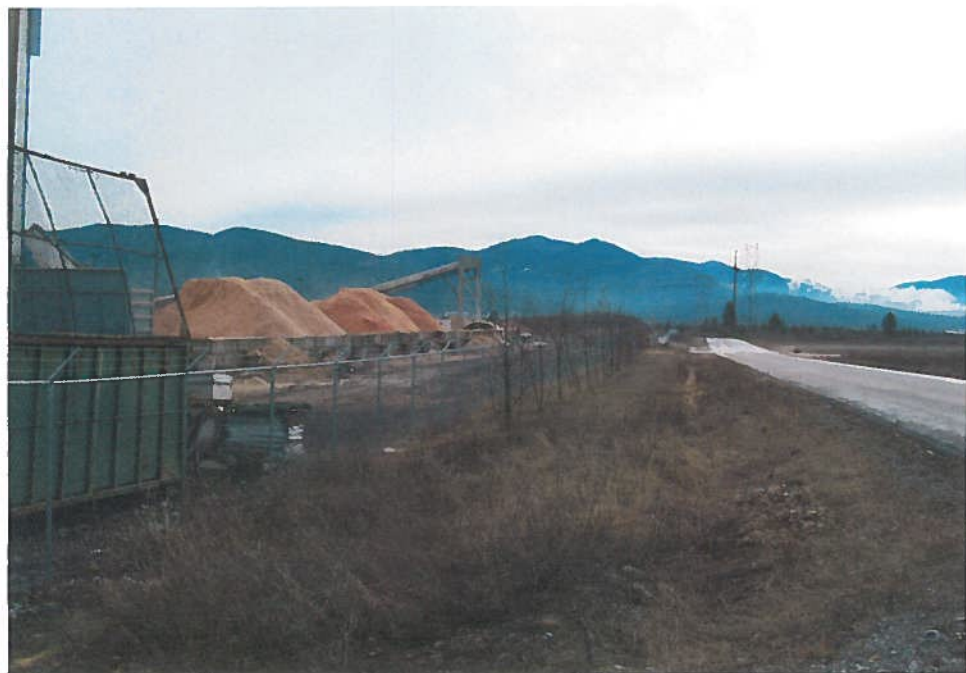




95-9351



05-02-11



02-02-21



95-0271

T) 11 1/4" RISER TO PUMP HOUSE
SEE RISER DETAIL P

U) CLARKE MOD. JU4H-UF30
64 HP @ 1750 RPM, 120 VOLT
DIESEL ENGINE W/ DUAL BATTERIES

- (C) 6" GRVD 90 ELL (T.O. 6' 1/2")
- (C1) 6" FLEX COUPLING
- (D) 6" FLANGE OS&Y GATE VALVE (T.O. 10' 1/2")
- (D1) 6" GRVD BUTTERFLY VALVE (T.O. 5' 3/4")
- (E) PATTERSON 6 X 5 X 17 PUMP (T.O. 31")
750 GALLON @ 75 PSI, 1750 RPM
- (F) 5" VIC FLANGE
- (G) 6" X 5" CONCENTRIC REDUCER (T.O. 4")





Badger Meter, Inc.
4248 West Brown Deer Road
Milwaukee, Wisconsin 53223

METER TEST RECORD

CUSTOMER _____

SIZE	MODEL	DATE	DATE FLOW	PERCENT ACCURACY
2"	T200S		160	99.0
			26	99.1
			4	100.4

UNIT OF MEASURE: High 99.0%, In 99.1%, Low 100.4%

LEAK TEST: 10-01 C2001AFD 63278-001

ACCURACY: 2135

REGISTER GEAR: _____

METER GEAR: _____

SERIAL NUMBER: _____



SIZE: 2" MODEL: T200S DATE: _____

UNIT OF MEASURE: _____

DATE FLOW	PERCENT ACCURACY
160	99.0
26	99.1
4	100.4

LEAK TEST: 10-01 C2001AFD 63278-001

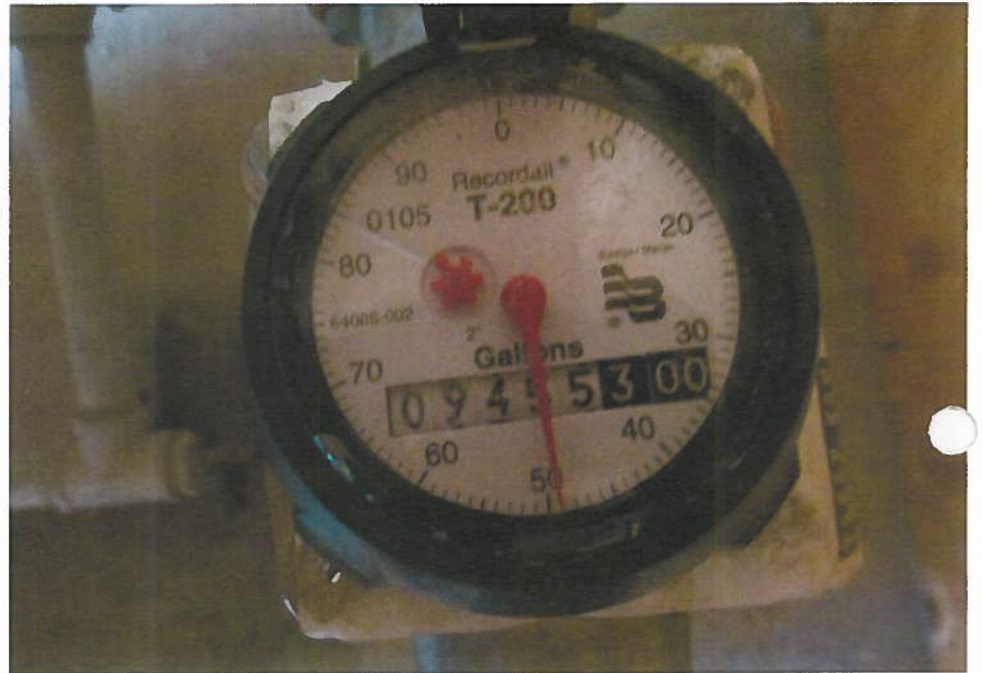
ACCURACY: 2135

REGISTER GEAR: _____

METER GEAR: _____

SERIAL NUMBER: _____

84747



92-00-20

94-927,



