

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-16746

Exam Date: 4/28/2015

1. Current Owner: JOSEPH CULBRETH
206 N HUBBARD ST
COEUR D ALENE ID 83814
(208)659-1953

And/Or

SHARON CULBRETH
206 HUBBARD ST
COEUR D ALENE ID 83814

2. Accompanied by: Joe Culbreth

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-8941 (Irrigation, Stepping Stone Home Owners Association)
2. Other water rights with the same point of diversion: 95-16746

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

GROUND WATER SE1/4SW1/4 Sec. 34, Twp 52N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 48.298, 116° 49.190 (A0003295)

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
52N 04W 34	<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 34	<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>	
												9.0					9.0

Total Acres: 9

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>
D0061947	FRANKLIN	15HP			

*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>
FLOW METER ON SYSTEM.						

2. Measurements: TIMED FOR 60 SECONDS, 79 GPM OR 0.18 CFS

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 9 \text{ AC} \times 3.0 \text{ AF} = 27.0 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.18 \times 246 \times 1.9835 = 87.8 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 27.0 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME = 0.6 AF

G. NARRATIVE/REMARKS/COMMENTS

DOMESTIC USE IS GIVEN LARGER DIVERSION RATE BECUASE BARN AND SHOP ARE PLUMBED IN ADDITION TO ONE HOME. LICENSE WILL GIVE DIVERSION RATE APPLIED FOR AND ANNUAL VOLUME OF 0.6 AF FOR DOMESTIC USE. FLOW METER ON SYSTEM INDICATED 79 GPM WHEN SYSTEM WAS TURNED ON AS TIMED BY IDWR STAFF. LICENSE WILL BE ISSUED FOR DIVERSION RATE OF 0.18 CFS WITH IRRIGATION OF 9 ACRES.

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	0.060 CFS	0.60 AF
IRRIGATION	03/15 to 11/15	0.180 CFS	27.00 AF
<u>Totals:</u>		0.180 CFS	27.60 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 Gordon Frederick

Date 5-28-2015

Reviewer Eric [Signature]

Date 6-19-2015

State of Idaho
Department of Water Resources
Water Right License
95-16746

DOMESTIC; 1 HOME, 1 BARN, 1 SHOP



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

0 0.015 0.03 0.06 Miles



State of Idaho
Department of Water Resources
Water Right License
95-16746
IRRIGATION



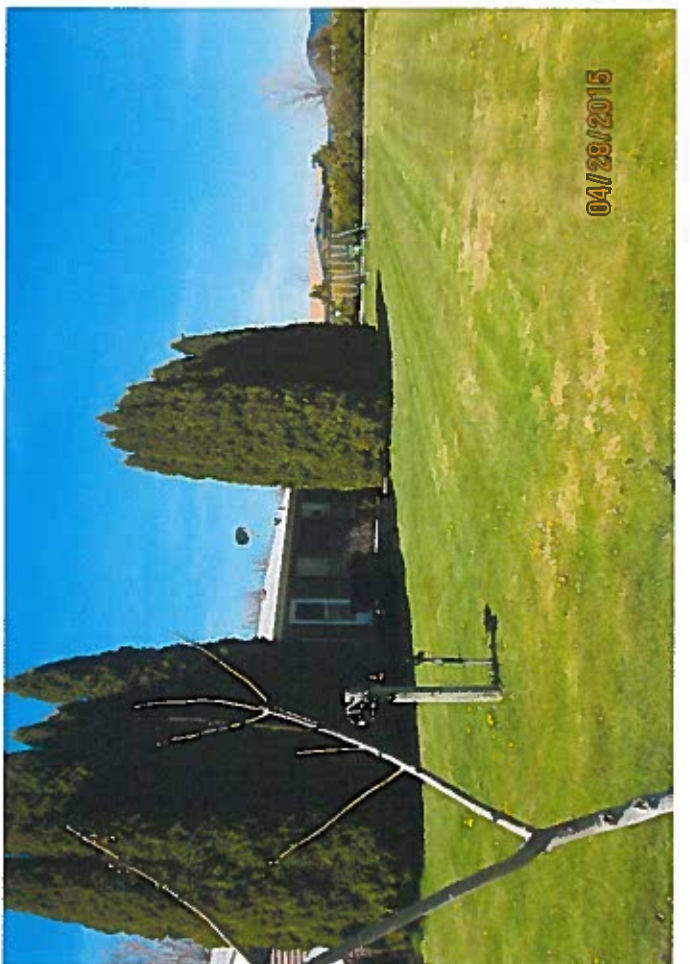
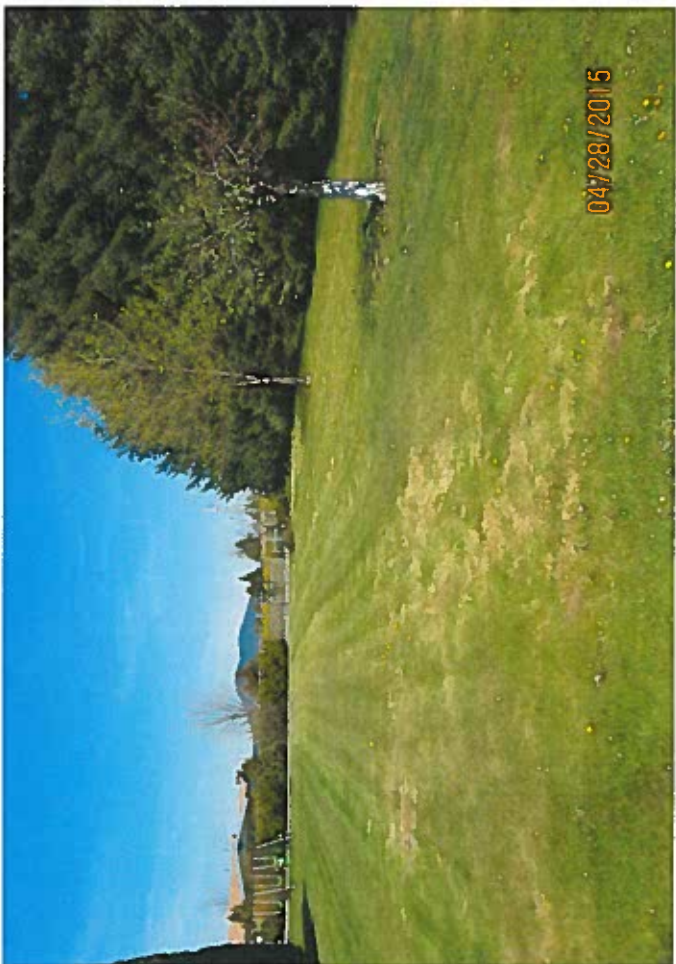
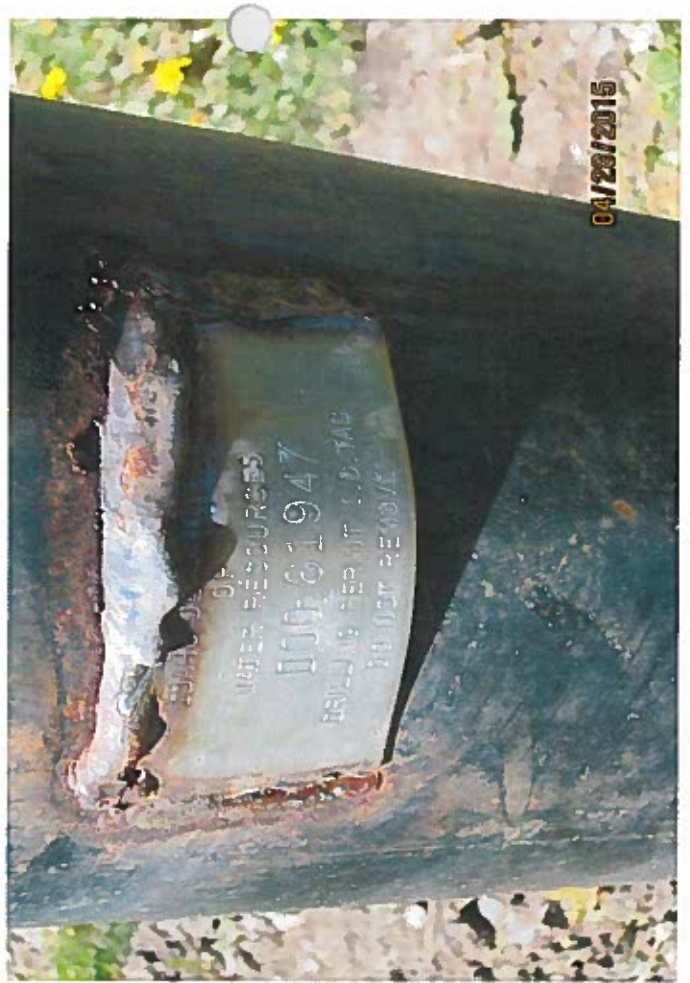
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0375 0.075 0.15 Miles





95-16746



95-16746



04/28/2015

206 Hubbard St.
 Coeur d'Alene, ID 83814
 (208) 691-9955 Cell Sharon
 (208) 659-1953 Cell Joe

Installation of a 75gpm Variable Speed Well Pump System

Quantity	Item
1.00	Franklin 75gpm 15hp 6" Pump End
1.00	Franklin 6" 15hp 230/460v Motor
330.00	2" Galvanized pipe
2.00	2" DI VFD Check Valve
338.00	#4/4 Flat jacketed cable
1.00	Motor Splice & Tape
1.00	Electrical Permit
8.00	Service Tech

04/28/2015



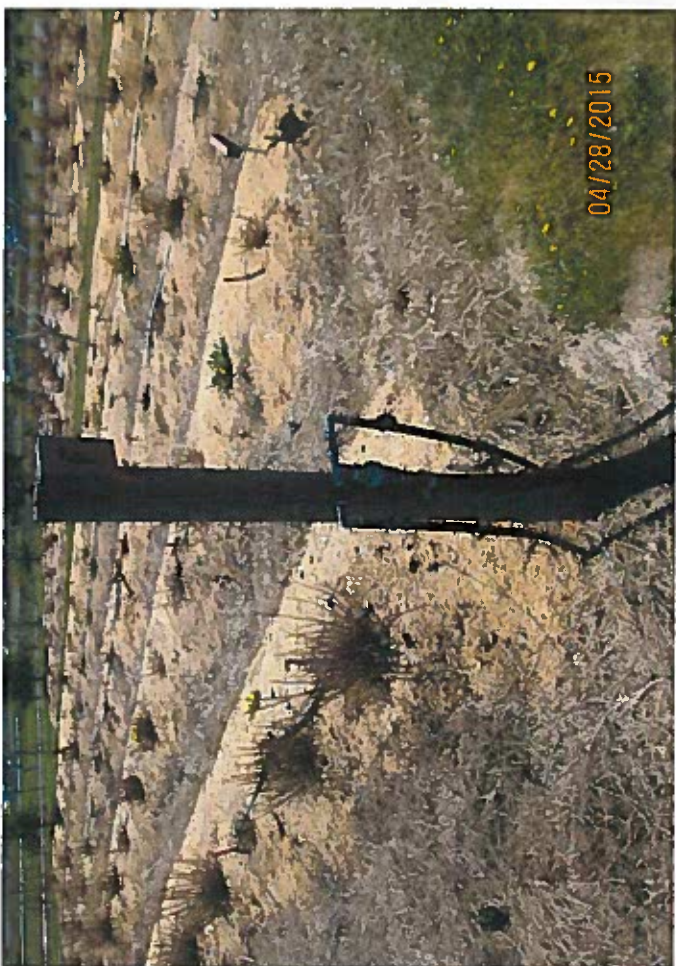
04/28/2015



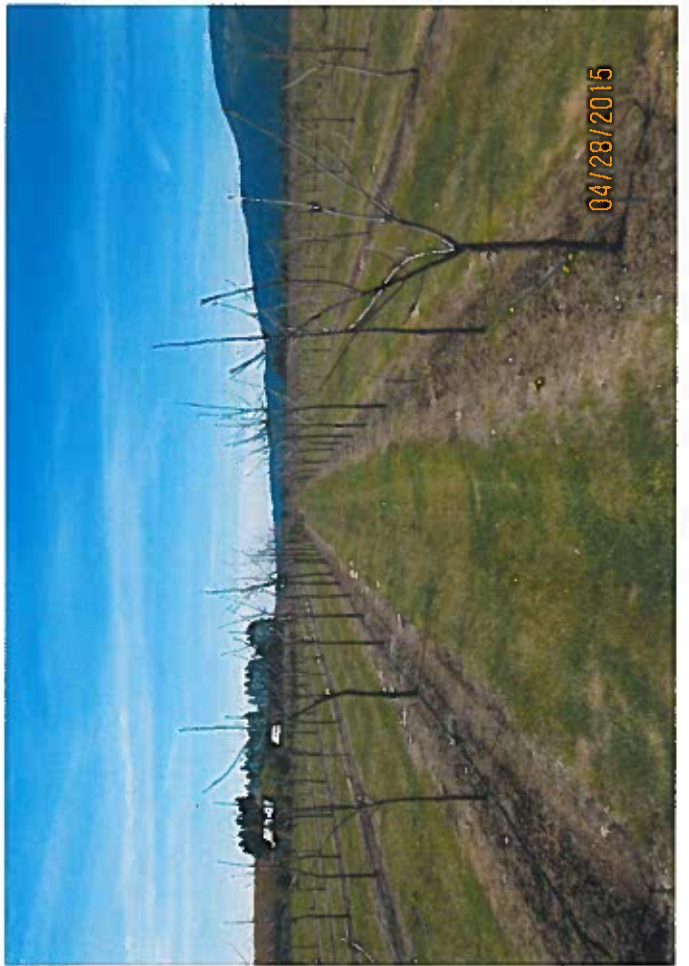
04/28/2015



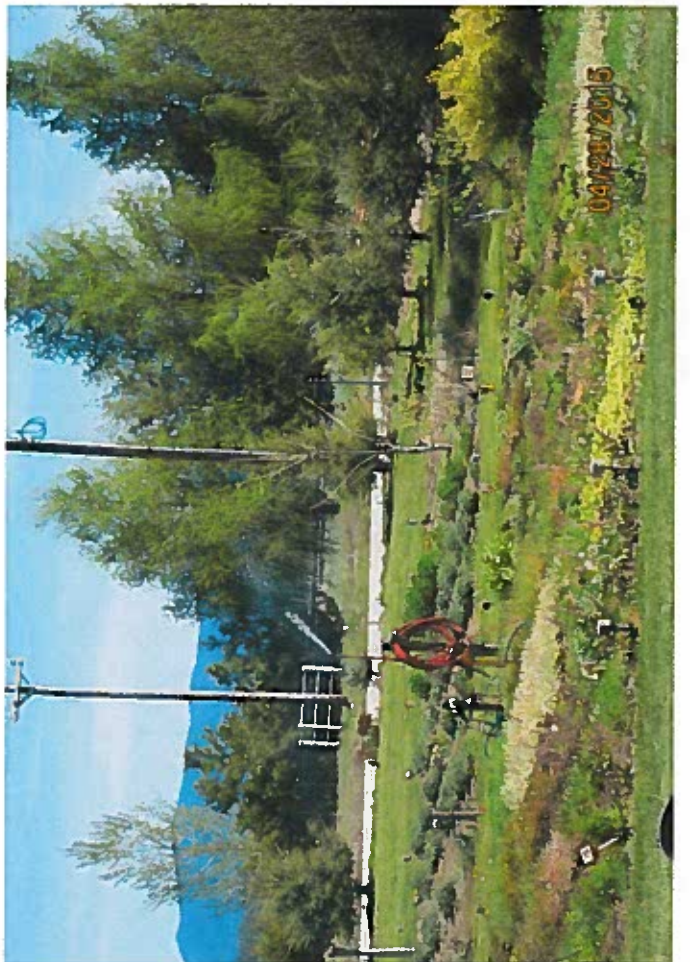
95-11746



95-16746



95-16746



95-16746