

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-14350

Exam Date: 8/20/2015

1. Current Owner: GINNY TATE
4176 E POTLATCH HILL RD
COEUR D ALENE ID 83814
(208)765-5432

2. Accompanied by: Mr. Tate

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| GROUND WATER | |

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None (95-14986 Claim)
2. Other water rights with the same point of diversion: 95-14986 (Claim)

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER SE1/4NE1/4 Sec. 19, Twp 50N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 39.980, 116° 44.859 (A0015468)

2.

PLACE OF USE: IRRIGATION

[illegible]

Total Acres: 0.8

PLACE OF USE: DOMESTIC

[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>
D0028494		0.5			

*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>
N/A						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT $(0.5 \text{ HP})(8.8)(0.8) / 217 + (40 \times 2.3087) = 0.01 \text{ CFS}$

*Estimated pumping level from the well @ 217 ft. of lift.
Inline pressure estimated at 40 psi.*

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

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \text{ AC} \times 3 \text{ AF} = 2.4 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.01 \times 246 \times 1.9835 = 4.9 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} = 2.4 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 EVENT CENTER = 0.6 AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED 0.5 HP PUMP WITH 3K STORAGE TANK. IT APPEARED TO IDWR STAFF THAT IRRIGATION WAS TAKING PLACE ON LAND NOT OWNED BY APPLICANT. LETTER WAS SENT TO APPLICANT TO HAVE THEM SHOW PROOF THEY OWNED ALL LAND THAT WAS BEING IRRIGATED. NO RESPONSE WAS RECIEVED SO LICENSE IS BEING ISSUED FOR ALL LAND IRRIGATED ON THEIR PROPERTY. ACTUAL IRRIGATED LAND ON PROPERTY IS 0.8 ACRES AND DOMESTIC FOR 1 EVENT CENTER WILL BE GIVEN. UNABLE TO PERFORM FLOW MEASURMENT. THEORETICAL PUMPING EQUATION ESTIMATES FLOW ONLY AT 0.01 CFS OR 5 GPM. TOTAL ANNUAL VOLUME WILL BE 3 ACRE FEET.

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	03/01 to 11/15	0.010 CFS	2.40 AF
DOMESTIC	01/01 to 12/31	0.010 CFS	0.60 AF
<u>Totals:</u>		0.010 CFS	3.00 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 Fyfe Date 12-30-2015

Reviewer Keith E. Franklin Date 1-19-2016

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	:	Long	:

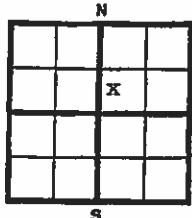
1. WELL TAG NO. D0017022

Drilling Permit No: _____
Other IDWR No. 768033

2. OWNER

Name Ginny Tate
Address 409 N 16th
City Coeur d'Alene State ID Zip 83814

3. LOCATION OF WELL by legal description
sketch map location must agree with written location



Twp. 50 ☒ North or ☐ South
Rge. 03 ☐ East or ☒ West
Sec. 19 1/4 SW 1/4 NE 1/4

Gov't Lot _____ County KOOTENAI

Lat: : : Long: : :

Address of Well Site Potlatch Hill Road
City Coeur d'Alene

(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement, etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT Sacks or Pounds	METHOD
Material	From	To		
BENTONITE	0	18	5 sacks	overbore

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner Welded	Threaded
8	+1	19	.250	steel	☒	☐	☒
6	+2	-166	.250	steel	☒	☐	☒
5	-158	-166	.250	steel	☒	☐	☒

Length of Headpipe 8' Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
-166	-176	10		5	SS	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

120 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>5</u>			

Water Temp. cold Bottom Hole Temp cold

Water Quality test or comments: clear

Depth first Water encountered 166

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

				Water	
Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Y	N
10	0	4	Topsoil	☐	☒
10	4	18	Basalt broken	☐	☒
10	18	162	Basalt	☐	☒
8	18	162	Basalt	☐	☒
8	162	166	Clay w/shale & Basalt	☐	☒
8	166	181	Sand w/H2O	☒	☐
8	181	196	Basalt	☐	☒

Completed Depth 176 (Measurable)

Date: Started 2/28/01 Completed 2/27/01

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards
were complied with at the time the rig was removed.

Firm Name H2O WellService, Inc. Firm No. 448

Firm Official Todd Morgan Date 3-2-01

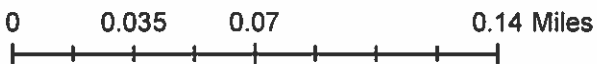
and
Supervisor or Operator Todd Morgan Date 3-1-01

(Sign Once if Firm Official and Operator)

Todd Morgan

50N 3W 19

State of Idaho
Department of Water Resources
Water Right License
95-14350

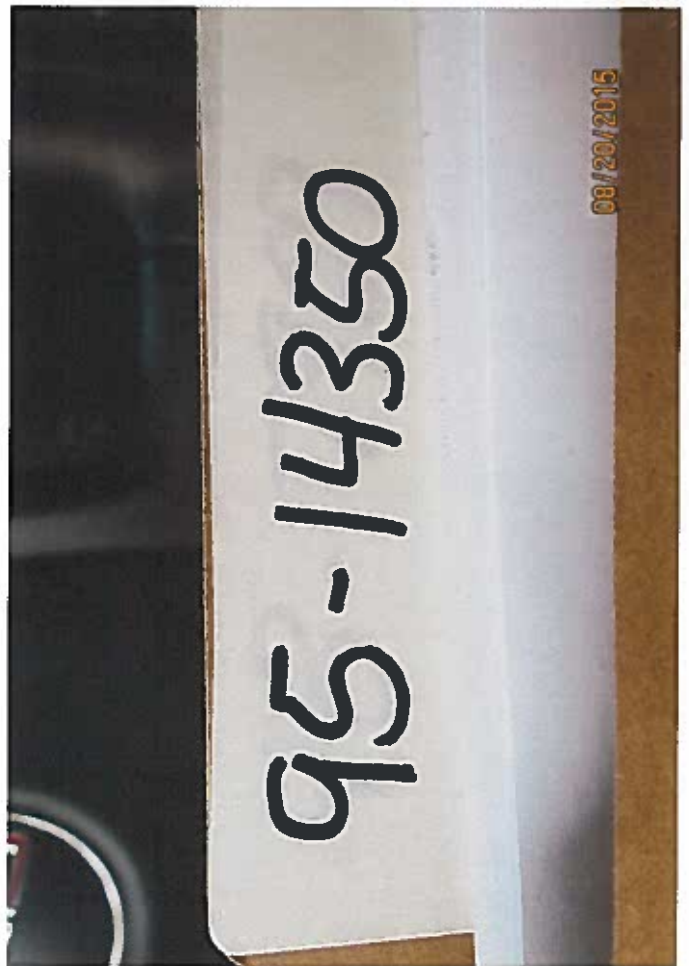


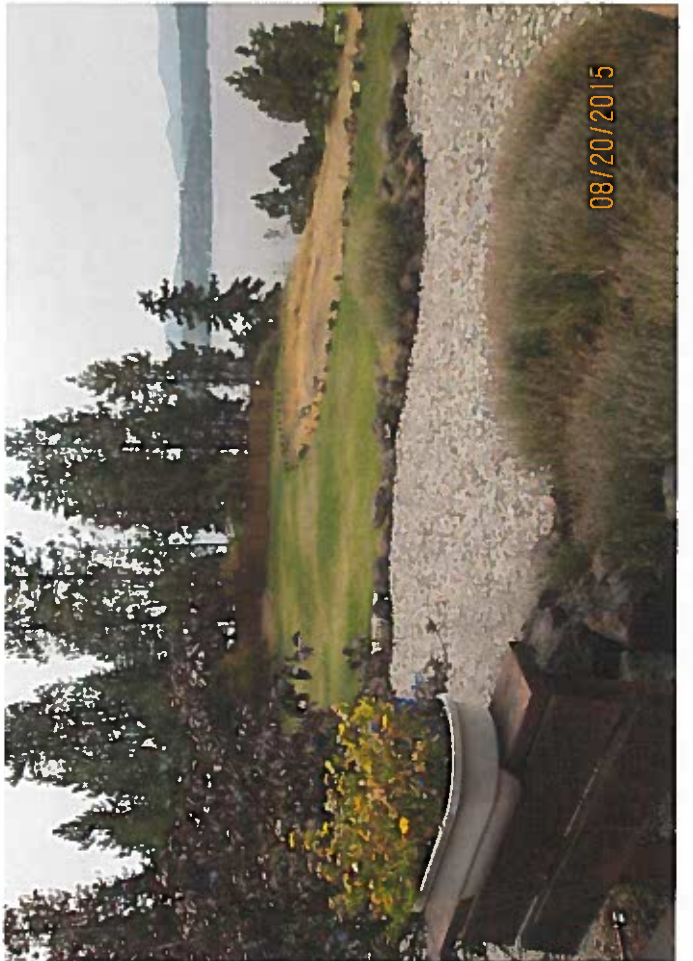
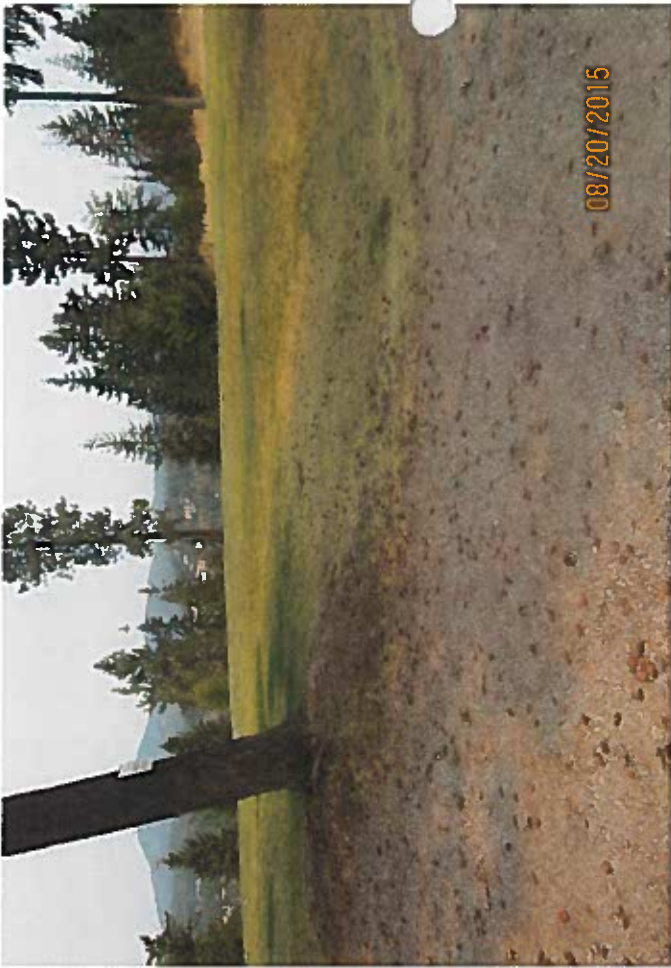
- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections



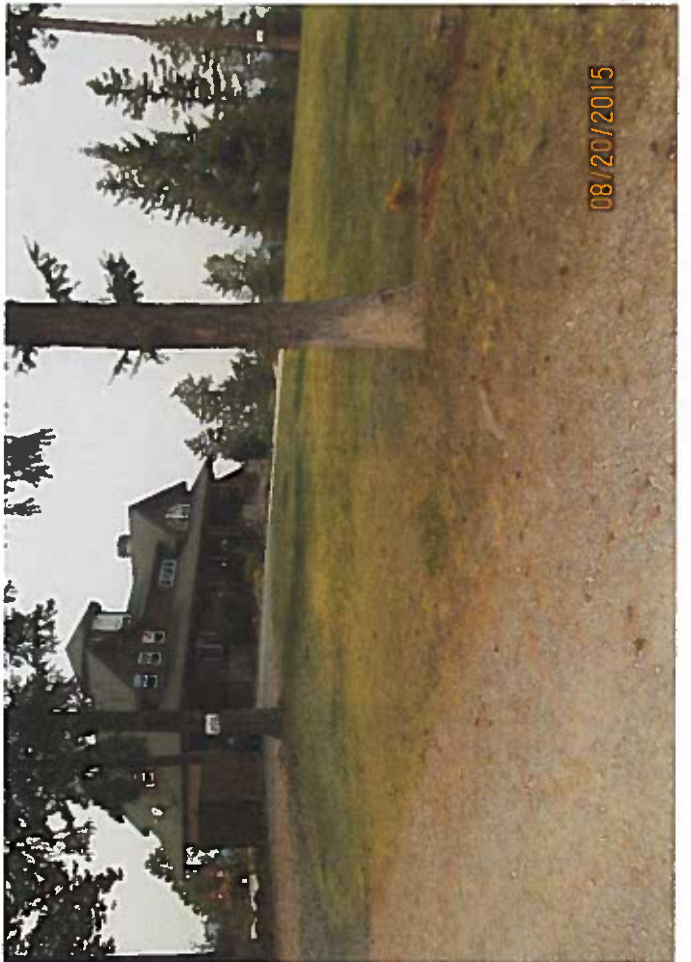


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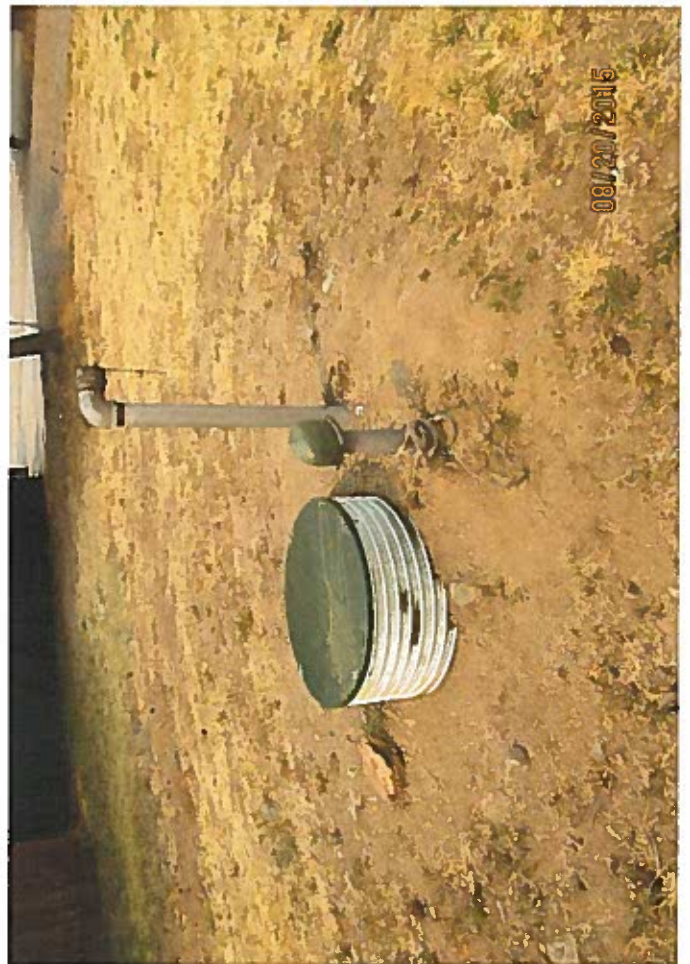




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