

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-09211
Exam Date: 6/21/2016

1. Current Owner:
WILLIAM STIMMLER 5841 CLEMENTSON RD COEUR D ALENE ID 83814 (562)631-0406
And
LAURA STIMMLER 5841 CLEMENTSON RD COEUR D ALENE ID 83814 (562)631-0406
2. Accompanied by: Shannon Dunckel
Phone No: 206-818-2266
Address: 5841 Clementson Rd. Coeur d Alene ID 83814
Relationship to Permit Holder: Current home owner

3. **SOURCE:**
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 SE¼NW¼ Sec. 20, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD location at 116° 51.954, 47° 40.027 D0067699 (A0015431)

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	
50N	04W	20								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	
50N	04W	20								0.5									.5

Total Acres: 0.5

Method of Determination: Google Earth and Arc map.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.X Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0067699	UNKNOWN	2			

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: UNABLE TO PERFORM FLOW MEASUREMENT.

E. FLOW CALCULATIONS

Measured Method: THEORETICAL PUMPING EQUATION ATTACHED.

X Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ AC} \times 3.0 \text{ AF} = 1.5 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 246 \times 1.9835 = 9.8 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 1.5 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME AND 1 APARTMENT/SHOP

$$0.6 \text{ AF} \times 2 = 1.2 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Field exam with Shannon Dunckel, the current owner of property, showed a well with 2hp pump. Proof of beneficial use was submitted referencing well D0022831 as point of diversion. At time of exam, a new well had been drilled D0067699 and was being used because old well produced 2 gpm and had dirty water. Mrs. Dunckel was made aware that she would need to fill out an application for permit if that well was to be used in the future. Mrs. Dunckel was unsure how the system worked and didn't know much about it. I found the pump control box that showed it was a 2hp pump and she did know that they took the pump out of old well and put it into new well. I tried to find out everything I could about the system but was hard with new homeowners and the fact that the house had sat vacant for 5 years. From well water was pumped to a small buried unknown size cistern and from there it was pumped to pressure tanks and then to system. Irrigation was only 0.5 acres and was from automatic sprinklers, drip lines, and frost free hydrants. Main area of irrigation was around house with a few trees along driveway that were watered by drip irrigation and small irrigated area at entrance to driveway. Domestic use was for home and apartment in shop. Domestic use will be given 1.2 acre feet and irrigation will be given 1.5 acre feet. Because there was no opportunity for flow measurement a theoretical pumping equation must be used to determine flow rate. Equation estimates flow rate at 7.2 gpm or 0.02 cfs which is what driller reported on well log. Because permit was not assigned when property was sold, Mrs Dunckel was advised that a change in ownership could be performed at time of licensing. However after contacting her 2 times with no change in ownership submitted IDWR will issue license in permit holder's name.

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	0.02 CFS	1.2 AF
IRRIGATION	03/15 to 11/15	0.02 CFS	1.5 AF
	<u>Totals:</u>	0.020 CFS	2.70 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 ☒ None

I. AUTHENTICATION

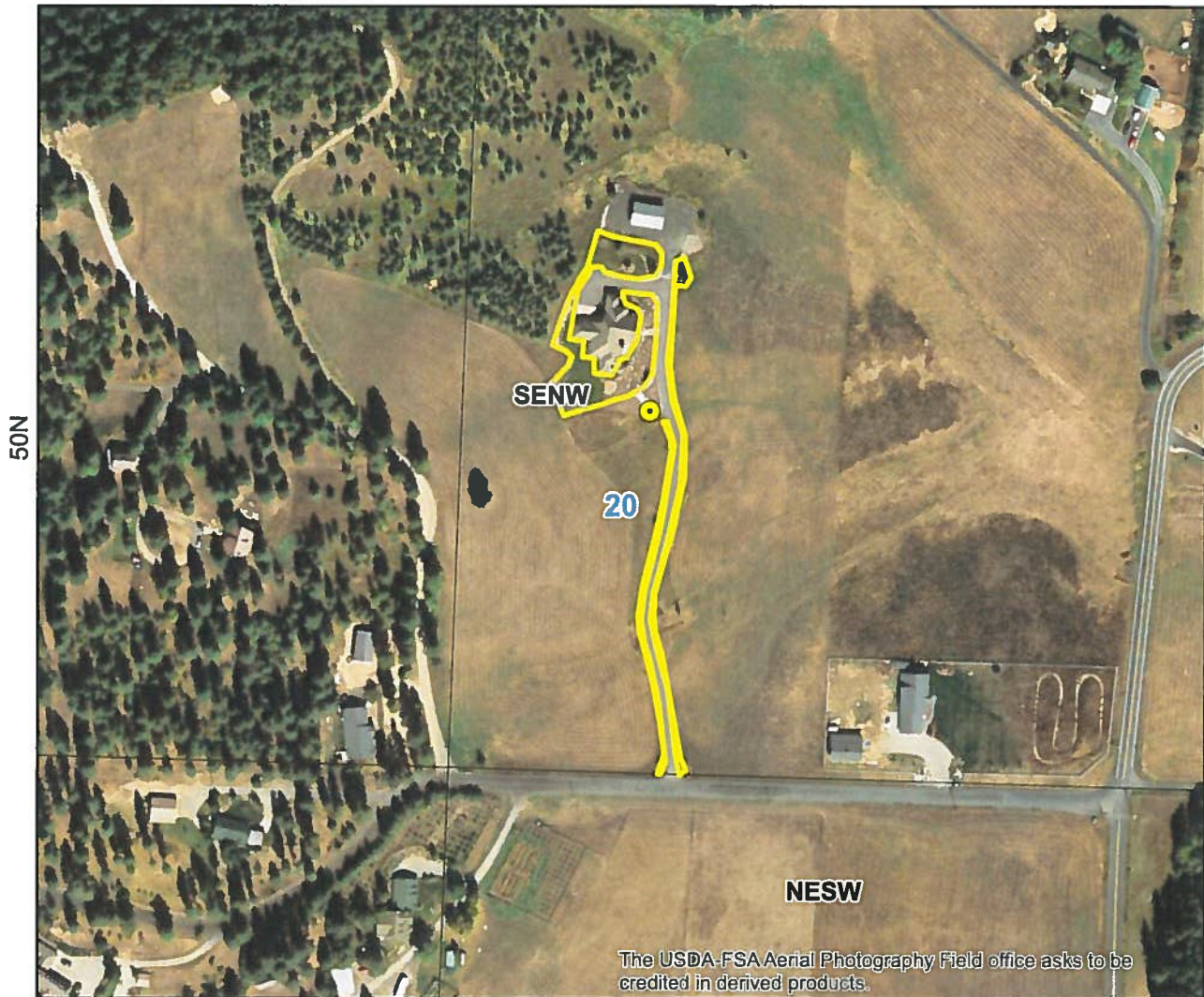
Field Examiner's Name Adam Franklin Date 2/28/17

Reviewer Morgan Cox Date 3/24/17

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-9211

IRRIGATION

04W



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

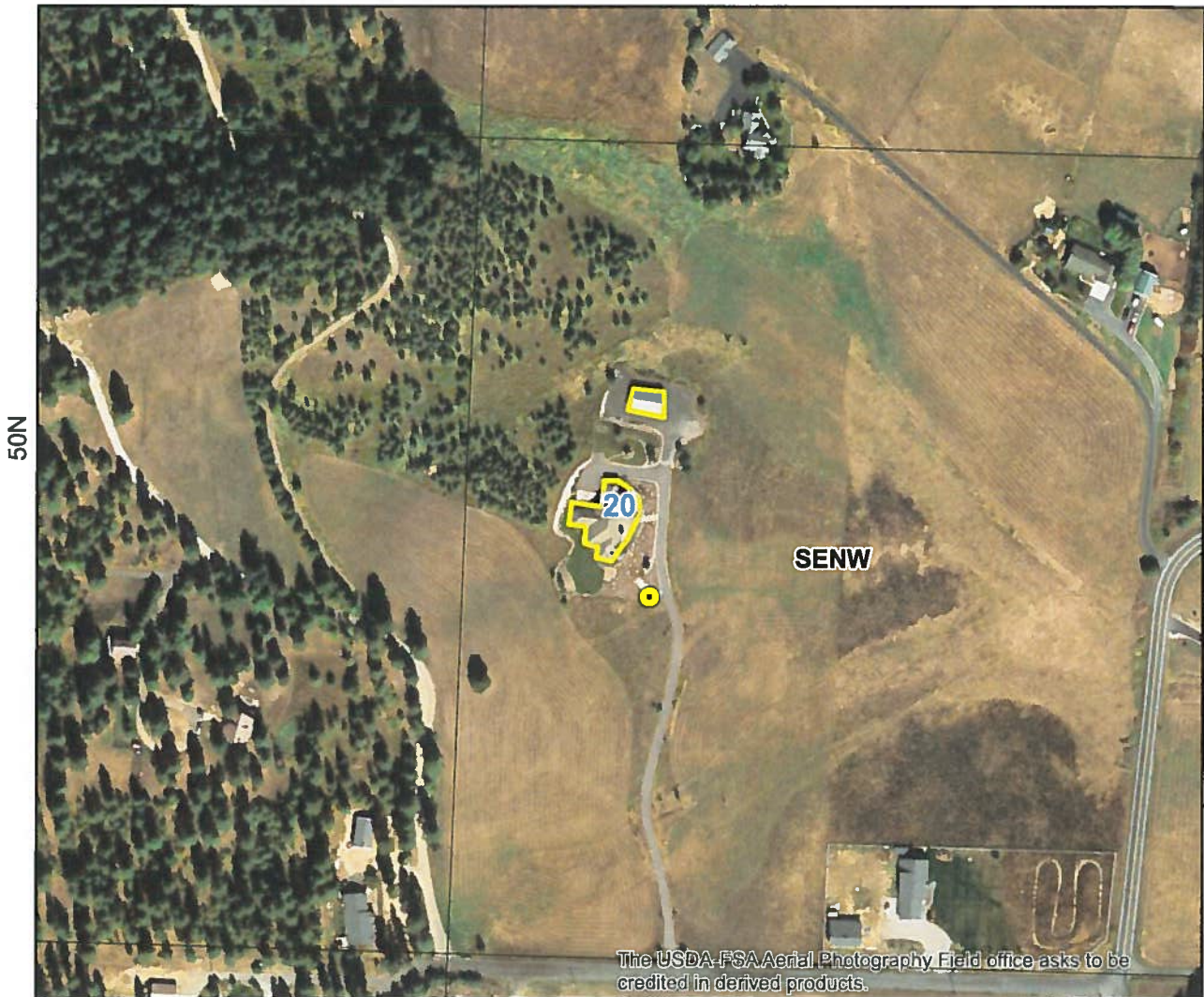
0 0.035 0.07 0.14 Miles



State of Idaho
Department of Water Resources
Attachment to Field Exam
95-9211

DOMESTIC

04W



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

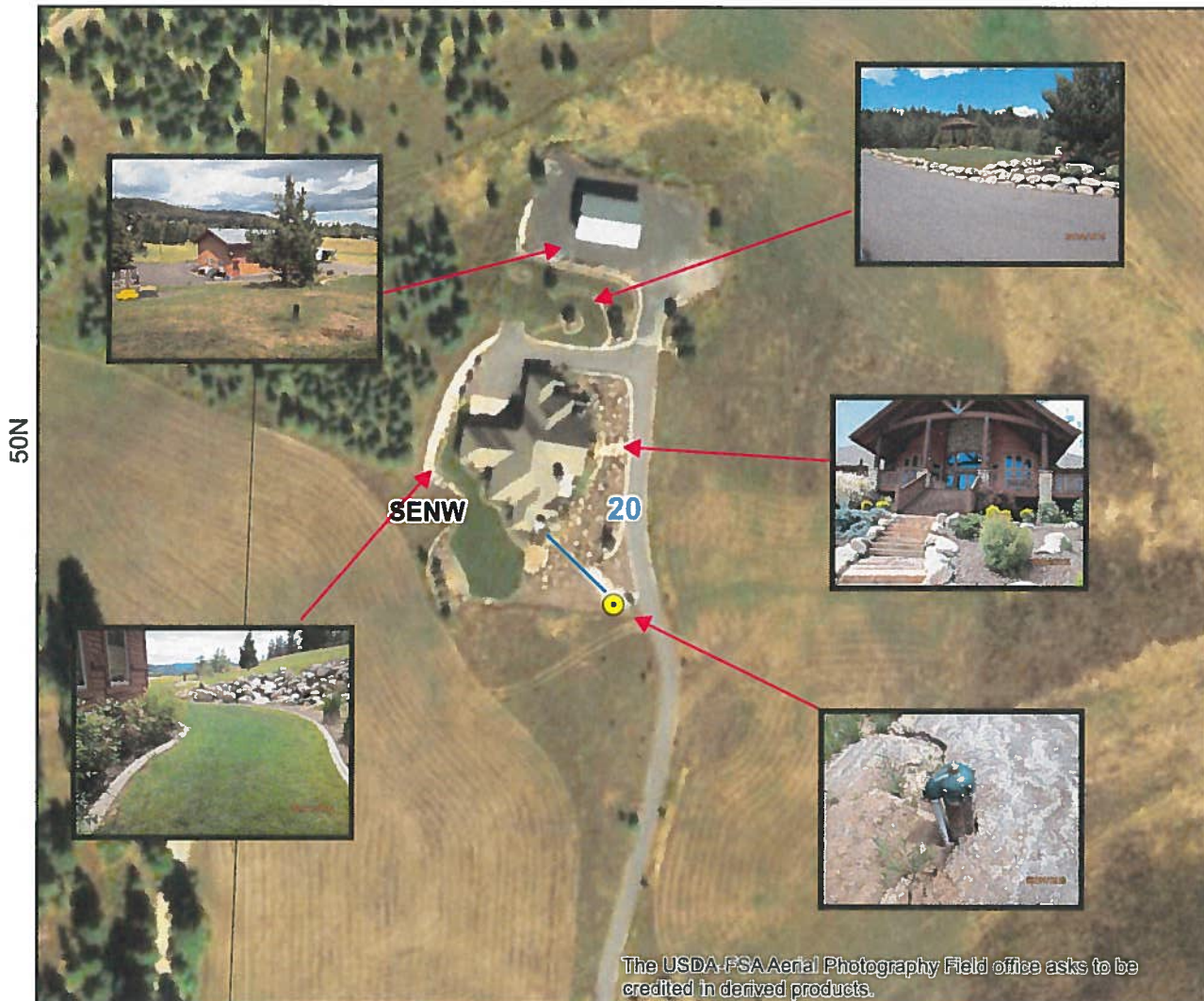
0 0.035 0.07 0.14 Miles



State of Idaho
Department of Water Resources
Attachment to Field Exam
95-9211

SYSTEM DIAGRAM

04W



0 0.0175 0.035 0.07 Miles

- Point of Diversion
- ▭ Townships
- ▭ PLS Sections



IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0067699

Drilling Permit No. 872702

Water right or injection well # _____

2. OWNER:

Name William Stimmler

Address 16000 Las Palmeras Ave.

City La Mirada State CA Zip 90638

3. WELL LOCATION:

Twp. 50 North ☒ or South ☐ Rge. 4 East ☐ or West ☒

Sec. 20 1/4 SE 1/4 NW 1/4

Gov't Lot _____ County Kootenai

Lat. 47 40.020 (Deg and Decimal minutes)

Long. 116 51.966 (Deg and Decimal minutes)

Address of Well Site 5841 W. Clemetson Rd.

City Coeur d'Alene

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

Lot _____ Blk. _____ Sub. Name _____

4. USE:

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

☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well

☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite Chips	0	38	1050 lbs.	Temp. Casing

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6	+2	58	.250	Steel	☒	☐	☐	☒
4	20	800	40	PVC	☐	☒	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 58'

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method Saw Cut

Manufactured screen ☐ Y ☒ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
700	800	1/8x6	100	4	PVC	40

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
-----------------	-----------	---------	------------------------------------	------------------

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 107 Static water level (ft) 107

Water temp. (°F) _____ Bottom hole temp. (°F) _____

Describe access port Steel Cap Welded

Well test:			Test method:			
Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
800	7	240	☐	☐	☒	☐
			☐	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
12	0	15	Top Soil		X
12	15	38	Decomposed Granite		X
10	38	50	Decomposed Granite		X
10	50	58	Granite		X
6	58	107	Granite		X
6	107	113	Fractured Granite 1 gpm	X	
6	113	282	Granite		X
6	282	287	Fractured Granite		X
6	287	296	Granite		X
6	296	300	Fractured Granite		X
6	300	309	Granite		X
6	309	318	Fractured Granite 4 gpm	X	
6	318	421	Granite		X
6	421	424	Fractured Granite		X
6	424	503	Granite		X
6	503	511	Fractured Granite		X
6	511	575	Granite		X
6	575	582	Fractured Granite		X
6	582	631	Granite		X
6	631	637	Fractured Granite		X
6	637	684	Granite		X
6	684	689	Fractured Granite		X
6	689	722	Granite		X
6	722	726	Fractured Granite		X
6	726	752	Granite		X
6	752	758	Fractured Granite		X
6	758	786	Granite		X
6	786	788	Fractured Granite		X
6	788	800	Granite		X

Completed Depth (Measurable): 800
Date Started: Jul 17, 2014 Date Completed: Jul 22, 2014

14. DRILLER'S CERTIFICATION:

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

Company Name Horsley Drilling, Inc. Co No 632

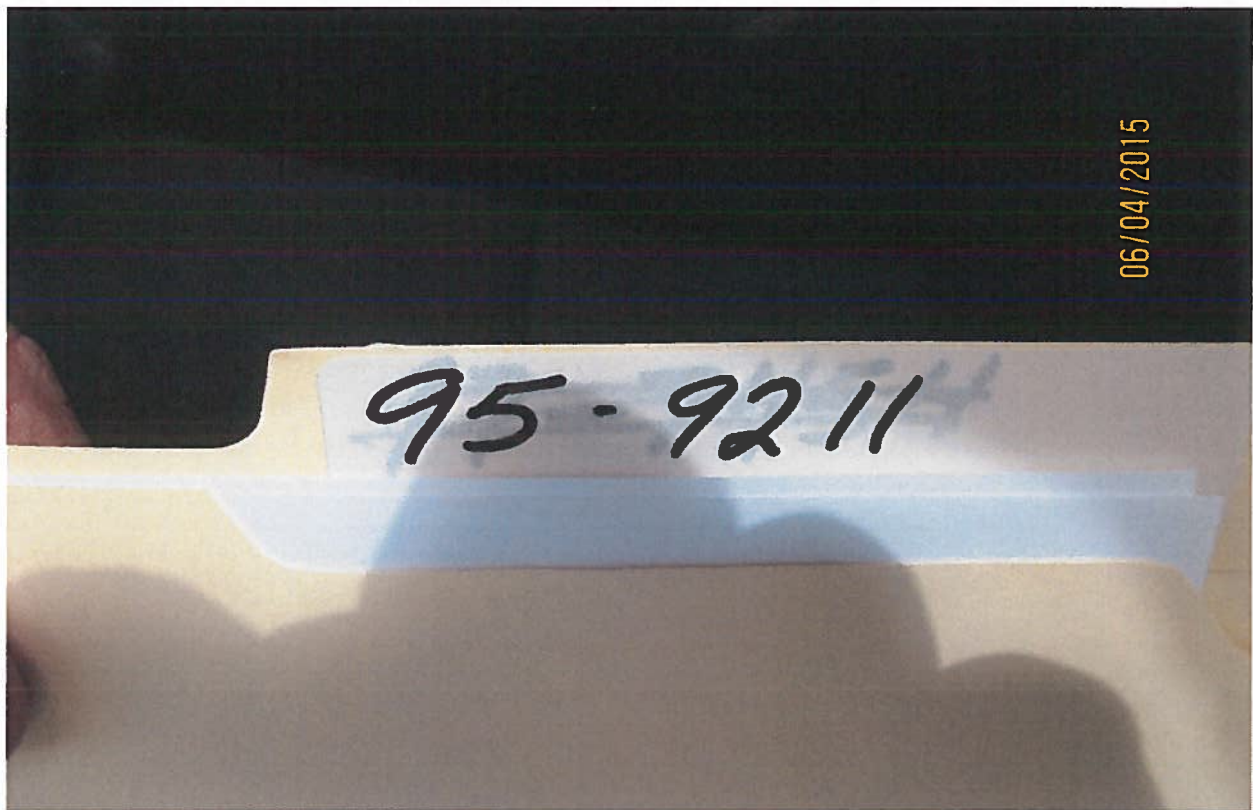
*Principal Driller C Mark Horsley Date Jul 25, 2014

*Driller Steven C Horsley Date Jul 25, 2014

*Operator II Joshua Date Jul 25, 2014

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required



Well D0067699 given IDWR tag A0015431. Well had 2hp pump.



2hp submersible pump control box.



Home.



Drip and soaker irrigation lines in front of home.





06/04/2015

Side yard in-between home and shop.



06/21/2016

Backyard.



Shop/apartment.



Drip irrigation at base of tree along driveway.