

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-09574
Exam Date: 10/3/2016

1. Current Owner:
JASON LEWIS 219 CHURCH ST STE A SANDPOINT ID 83864 (208) 945.3405
And/Or
HEATHER LEWIS 219 CHURCH ST STE A SANDPOINT ID 83864 (208) 946.3405
2. Accompanied by: Jason Lewis
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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE¼SE¼ Sec. 17, Twp 57N, Rge 02W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 17.182, 116° 35.388 D0056314 (A0020093)

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	
57N	02W	17													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	
57N	02W	17													1.1				1.1

Total Acres: 1.1

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
D0056314	UNKNOWN				

*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: 5 GALLON BUCKET TEST PERFORMED.
 5 GALLONS IN 8.5 SECONDS IS EQUAL TO 35 GPM OR 0.08 CFS.

E. FLOW CALCULATIONS

Measured Method:

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3 \text{ AF} \times 1.1 \text{ AC} = 3.3 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ CFS} \times 214 \times 1.9835 = 12.7 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3.3 \text{ AF}$$

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

G. NARRATIVE/REMARKS/COMMENTS

Field exam with Mr. Lewis showed a well D0056314 with unknown pump size. Well was identified in wrong QQ at time of drilling and was corrected and put in proper location after exam verification. 5 gallon bucket test was performed and filled in 8.5 seconds which is 35 gpm or 0.08 cfs. Applicant was unsure of pump size but theoretical pumping equation with a 3 hp pump matches up with 5 gallon bucket test. Water was used in home and for the irrigation of 1.1 acres. Irrigation was mainly all automatic sprinklers with various frost free hydrants located around property. Hydrant were used to irrigate around pond and spots missed by automatic sprinklers. Irrigation system along each side of driveway watered various shrubs and bushes. License will be issued for 0.07 cfs for the irrigation of 1.1 acres and for domestic for 1 home with annual volume of 3.9 acre feet.

Have conditions of permit approval been met? X 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	0.04 CFS	0.6 AF
IRRIGATION	04/01 to 10/31	0.03 CFS	3.3 AF
	<u>Totals:</u>	0.070 CFS	3.90 AF

2. Recommended Amendments

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

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Finkbein Date 1-10-2017

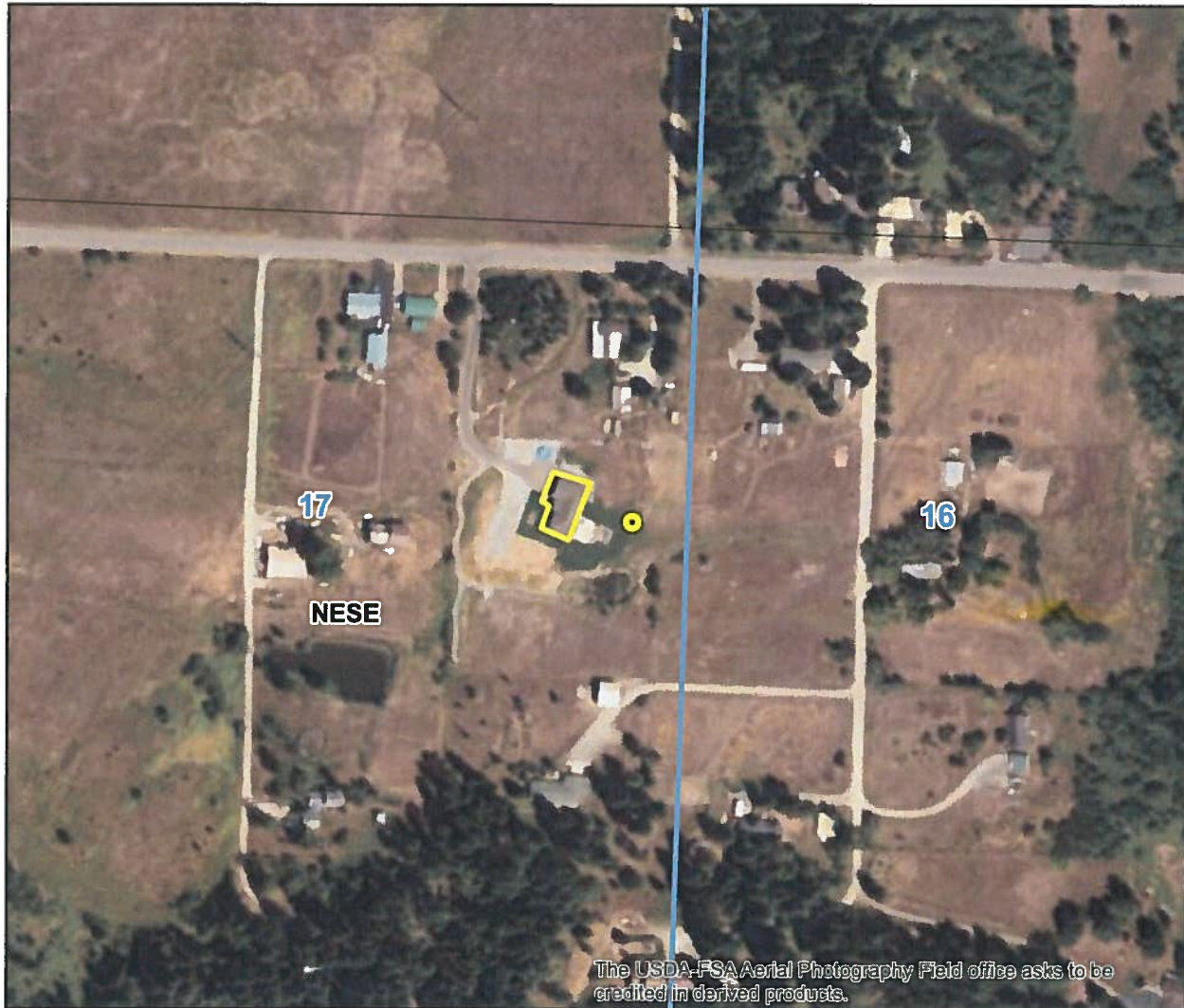
Reviewer Morgan Case Date 2/27/2017

State of Idaho
Department of Water Resources
Water Right License
96-9574

DOMESTIC

02W

57N



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

0 0.035 0.07 0.14 Miles

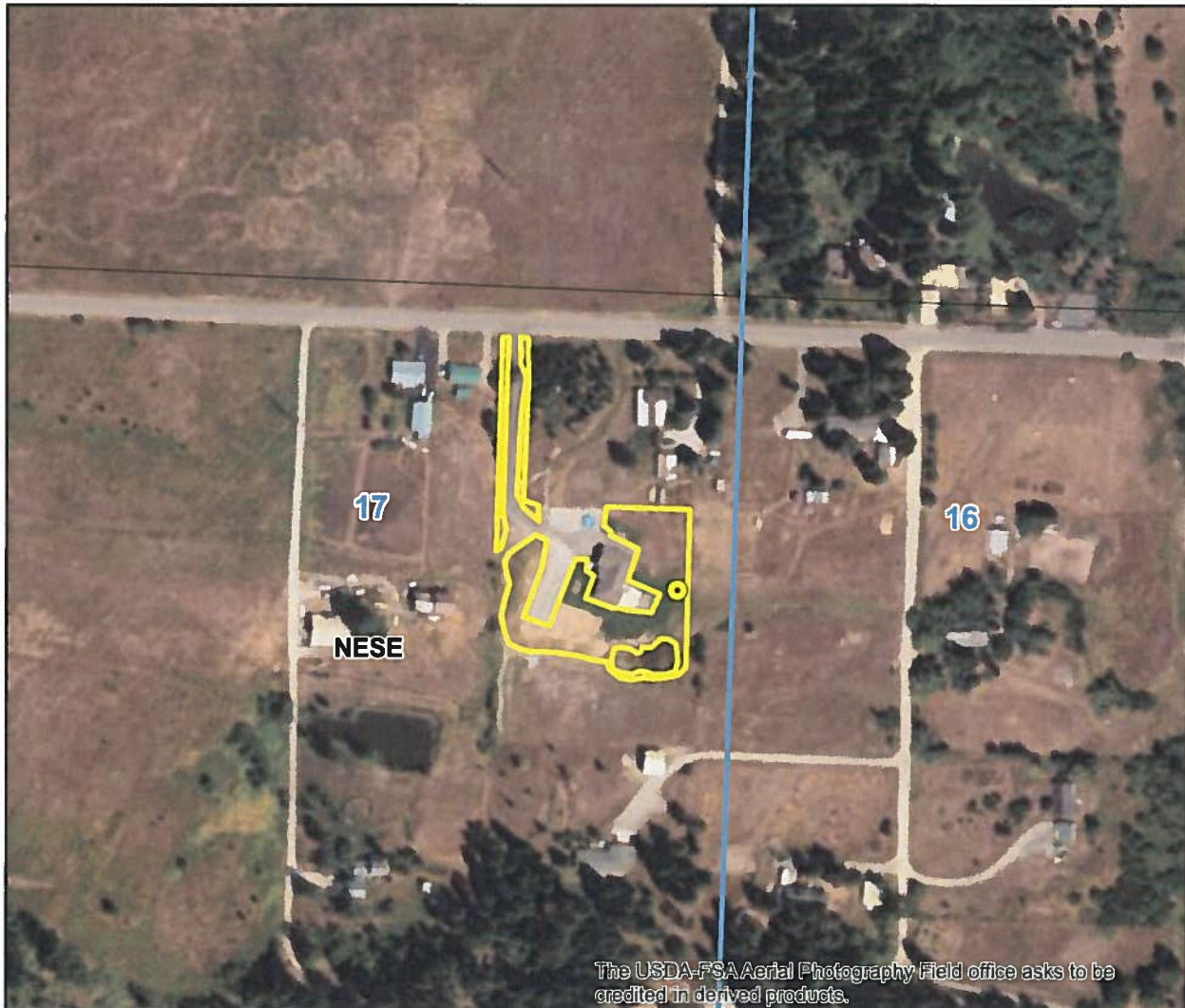


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IRRIGATION

02W

57N



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

0 0.035 0.07 0.14 Miles



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SYSTEM DIAGRAM



ATTACHED ONLY AS A POSSIBILITY OF SYSTEM PRODUCTION.

PUMP EQUATIONS WATER RIGHT No. 96-9574						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	$HP \cdot 8.8 \cdot \frac{Eff}{H}$	3	267.2109	0.8	140	55
Q = 0.079 cfs 35.5 gpm						

WELL DRILLER'S REPORT

Office Use Only
Inspected by A. Frederick
STN 2W 17
10-3-16 NE SE

1. WELL TAG NO. D0056314
Drilling Permit No: 856847
Other IDWR No. _____

2. OWNER SUMMERS, CLINT & MEADOW Well Number: 1487

Name SUMMERS, CLINT & MEADOW
Address P.O. BOX 1280
City SANDPOINT State ID Zip 83864

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

N
W E
Twp. 57N ☒ North or ☐ South
Rge. 02W ☐ East or ☒ West
Sec. 17 1/4 SE 1/4 SE 1/4
Gov't Lot _____ County BONNER
Latitude: _____ Longitude: _____

Address of Well Site 10758 BALDY MTN RD
City SANDPOINT

(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	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	18	450 LBS	POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 159

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	+2	149	.250	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
Screens Screen Type Johnson

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
152	157	30	1	6	SS	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

2 ft. below ground Artesian pressure _____ lb.

Depth flow encounter 150 ft. Describe access port or
control devices: Prs Seal

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
30+			2 HR

Water Temp. COLD Bottom Hole Temp COLD

Water Quality test or comments: CLEAR

Depth first Water encountered 150

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

Water			
Diam	From	To	Remarks: Lithology, Water Quality, Temperature
10	0	2	Top Soil
10	2	8	Tan Clay
10	8	15	Gray Clay
10	15	18	Tan Clay
8	18	30	Tan Clay
8	30	40	Clay w/ Gravels
8	40	157	Sand & Gravels w/ Cobble

RECEIVED
AUG 03 2010
IDWR/North

Completed Depth 157 (Measurable)
Date: Started 6/24/2009 Completed 6/26/2009

13. DRILLER'S CERTIFICATION

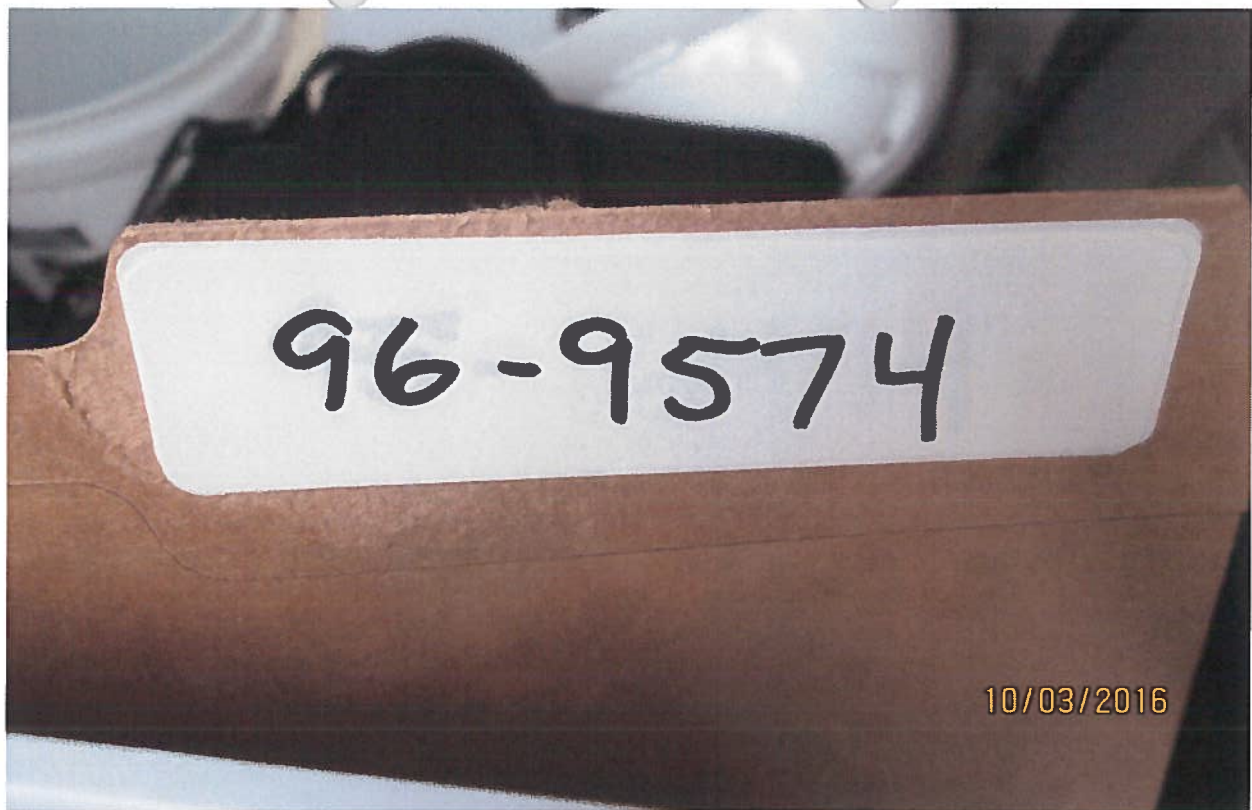
I/We certify that all minimum well construction standards
were complied with at the time the rig was removed.

Firm Name H2O Well Service, Inc. Firm No. 448

Firm Official Tom Richardson Date _____

and
Supervisor or Operator Jeff Date 6/29/2009
JR CANTRALL (Sign Once if Firm Official and Operator)

57N 02W 17



Well D0056314 with GPS unit and tag A0020093.



Looking toward pond covered under right 96-9575. Irrigation occurring around pond.



Irrigation looking west along property line



Well ID tag D0056314



Front of home with irrigation.



Backyard looking north.



Back of home next to well.



Irrigation on side of home looking northeast.



Irrigation of plants along driveway.