

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10608

Exam Date: 6/11/2015

1. Current Owner: GARY O DONNER PO BOX 584 SPIRIT LAKE ID 83869 (208)623-4078
And
JUDITH L DONNER PO BOX 584 SPIRIT LAKE ID 83869 (208)623-4078

2. Accompanied by: GARY O DONNER and JUDITH L DONNER
Phone No:
Address:
Relationship to Permit Holder:

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: 95-10602 (CSRBA Claim)
10622

C. DIVERSION AND DELIVERY SYSTEM DRILLED WELL 96-84-N-109 completed 09-19-1984.**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4N,E1/4,Sec. 31, Twp 54N, Rge 04W, B.M., BONNER Count

Method of Determination: GPS and maps POD LOCATION AT 116°52'30.4"W 47°59'16.5"N
2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE	NW	SW	SE	Totals
54N	04W	31	X				

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE	NW	SW	SE	Totals
54N	04W	31	1.5	0.5	0.5	0.5	2.0

Total Acres: 2

Method of Determination: GPS and maps

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.

Well or DiversionID No.*Motor MakeHpMotor Serial No.Pump MakePump Serial No. or DischargeSize

WELL 96-81-N-109

5 hp

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

D. FLOW MEASUREMENTS

Unable to perform flow measurements on shared well 96-84-N-109 because no exposed pipes were visible before water enters buried storage tank on the Place of Use property (Kootenai parcel RP003120000100A).

1.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$(5HP) 8.8 (0.8 / 545) + (20 \times 2.3087) = 0.06 \text{ CFS}$$

Theoretical Pumping Equation for Water Right License. 95-10608

PUMP EQUATIONS WATER RIGHT No. 95-10608						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	591.2585034	0.8	545	20
Q =	0.060 cfs 26.8 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \text{ AC} \times 3 \text{ AF} = 6.0 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \text{ CFS} \times 216 \times 1.9835 = 25.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.0 \text{ AF}$$

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

G. NARRATIVE/REMARKS/COMMENTS Well 96-84-N-109, located on Kootenai parcel ¹⁰⁶²² RP003120000080A, is shared with Coeur d'Alene Spokane River Basin (CSRBA) Adjudication Claim 95-10602. Applicants have agreement with the other user of the well (CSRBA Claim 95-10602) to alternate use of the well so that both homes are not drawing on the well simultaneously. ₁₀₆₂₂

The Permit holders have water lines leading from their underground storage tank to one home. They also have water lines & pop up sprinklers plus frost free spigots that irrigate two acres of lawn and landscaping.

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	0.020 CFS	0.6 AF
IRRIGATION	04/01 to 10/31	0.060 CFS	6.0 AF

Totals:

~~6.00 CFS~~

~~6.00~~ 0.06 cfs

6.6 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

Shawn M. Matey

Date

02-26-2016

Reviewer

[Signature]

Date

3-8-16

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

RECEIVED
JAN 7 1985

1. WELL OWNER

Name Roland F. Bat Greeng
Address Spirit Lake Idaho - 83869
Owner's Permit No. 96-84-N-109

7. WATER LEVEL

Static water level 523 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandon(ing)) _____

8. WELL TEST DATA

☐ Pump ☒ Sailer ☐ Air ☐ Other _____

Discharge G.P.M. 5 Pumping Level 523 Hours Pumped 4
and rise about the well 11 ft. in 4 hrs.
the 4-28" and the well was being drilled
no water had made it between the
4-28" and go on down to
the water zone. That's how

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth From	To	Material	Yes	No
8	0	6	Top Soil		
11	6	16	Gravel large		
11	16	31	Gravel small w/ silt		
11	31	49	Red Gravel w/ silt		
11	49	94	Gravel 8" medium w/ silt		
11	94	96	Red silt - Boulder top		
11	96	130	Gravel sand w/ silt (fine)		
11	130	144	Gravel sand w/ silt		
11	144	169	Sand coarse w/ silt		
11	169	181	Gravel sand clay (fine)		
11	181	203	Gravel Red w/ silt		
11	203	250	Sand coarse w/ silt		
11	250	288	Gravel sand w/ silt		
11	288	297	Gravel sand w/ silt (fine)		
11	297	356	Clay sand		
11	356	370	Gravel - sand w/ clay (fine)		
11	370	410	Gravel sand w/ silt (fine)		
11	410	472	Gravel sand w/ silt		
11	472	512	Gravel sand w/ silt (fine)		
11	512	524	Gravel sand coarse w/ silt		
11	524	534	Gravel w/ coarse sand		
11	534	592	Gravel sand w/ clay sand		
11	592	598	Gravel medium w/ sand and clay		
11	598	565	Gravel medium 50%		
11	565	570	Gravel sand 70% sand 30%		
11	570	575	Clean sand and 1" Rock in bottom of hole		
11	575	580	The bottom of the hole		
11	580	585	The 8" casing was filled with		
11	585	590	puddling clay and 1/2" gravel		
11	590	595	20 man days of work for 2 bbls		
11	595	600	of cement on the 8" and it was		
11	600	605	of cement on the 8" and it was		
11	605	610	of cement on the 8" and it was		
11	610	615	of cement on the 8" and it was		
11	615	620	of cement on the 8" and it was		
11	620	625	of cement on the 8" and it was		
11	625	630	of cement on the 8" and it was		
11	630	635	of cement on the 8" and it was		
11	635	640	of cement on the 8" and it was		
11	640	645	of cement on the 8" and it was		
11	645	650	of cement on the 8" and it was		
11	650	655	of cement on the 8" and it was		
11	655	660	of cement on the 8" and it was		
11	660	665	of cement on the 8" and it was		
11	665	670	of cement on the 8" and it was		
11	670	675	of cement on the 8" and it was		
11	675	680	of cement on the 8" and it was		
11	680	685	of cement on the 8" and it was		
11	685	690	of cement on the 8" and it was		
11	690	695	of cement on the 8" and it was		
11	695	700	of cement on the 8" and it was		
11	700	705	of cement on the 8" and it was		
11	705	710	of cement on the 8" and it was		
11	710	715	of cement on the 8" and it was		
11	715	720	of cement on the 8" and it was		
11	720	725	of cement on the 8" and it was		
11	725	730	of cement on the 8" and it was		
11	730	735	of cement on the 8" and it was		
11	735	740	of cement on the 8" and it was		
11	740	745	of cement on the 8" and it was		
11	745	750	of cement on the 8" and it was		
11	750	755	of cement on the 8" and it was		
11	755	760	of cement on the 8" and it was		
11	760	765	of cement on the 8" and it was		
11	765	770	of cement on the 8" and it was		
11	770	775	of cement on the 8" and it was		
11	775	780	of cement on the 8" and it was		
11	780	785	of cement on the 8" and it was		
11	785	790	of cement on the 8" and it was		
11	790	795	of cement on the 8" and it was		
11	795	800	of cement on the 8" and it was		
11	800	805	of cement on the 8" and it was		
11	805	810	of cement on the 8" and it was		
11	810	815	of cement on the 8" and it was		
11	815	820	of cement on the 8" and it was		
11	820	825	of cement on the 8" and it was		
11	825	830	of cement on the 8" and it was		
11	830	835	of cement on the 8" and it was		
11	835	840	of cement on the 8" and it was		
11	840	845	of cement on the 8" and it was		
11	845	850	of cement on the 8" and it was		
11	850	855	of cement on the 8" and it was		
11	855	860	of cement on the 8" and it was		
11	860	865	of cement on the 8" and it was		
11	865	870	of cement on the 8" and it was		
11	870	875	of cement on the 8" and it was		
11	875	880	of cement on the 8" and it was		
11	880	885	of cement on the 8" and it was		
11	885	890	of cement on the 8" and it was		
11	890	895	of cement on the 8" and it was		
11	895	900	of cement on the 8" and it was		
11	900	905	of cement on the 8" and it was		
11	905	910	of cement on the 8" and it was		
11	910	915	of cement on the 8" and it was		
11	915	920	of cement on the 8" and it was		
11	920	925	of cement on the 8" and it was		
11	925	930	of cement on the 8" and it was		
11	930	935	of cement on the 8" and it was		
11	935	940	of cement on the 8" and it was		
11	940	945	of cement on the 8" and it was		
11	945	950	of cement on the 8" and it was		
11	950	955	of cement on the 8" and it was		
11	955	960	of cement on the 8" and it was		
11	960	965	of cement on the 8" and it was		
11	965	970	of cement on the 8" and it was		
11	970	975	of cement on the 8" and it was		
11	975	980	of cement on the 8" and it was		
11	980	985	of cement on the 8" and it was		
11	985	990	of cement on the 8" and it was		
11	990	995	of cement on the 8" and it was		
11	995	1000	of cement on the 8" and it was		

4. METHOD DRILLED

☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness 250 inches 8 inches + 0 feet 150 feet
250 inches 6 inches 2 feet 560 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☒ Yes ☐ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches
Number _____ From _____ To _____
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 150 feet Material used in seal: ☐ Cement grout
☒ Puddling clay ☐ Well cuttings
Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing
☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
Weld _____
☐ Cemented between strata
Describe access port _____
6.4m P

6. LOCATION OF WELL

Sketch map location must agree with written location.
N
W E
S
County BANNER
Subdivision Name Jan 2 1985
Lot No. _____ Block No. _____
N
W E
S
County BANNER
Section 31 T. 54 N. R. 4 W. W.

11. DRILLERS CERTIFICATION
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
Firm Name Ed. Holman Drilling Firm No. 105
Address 601 S. Pine Rd Date Jan 19-84
Signed by (Firm Official) [Signature]
and [Signature]
(Operator) [Signature]

80901-5b



Spigot at Place of Use



Underground storage tank

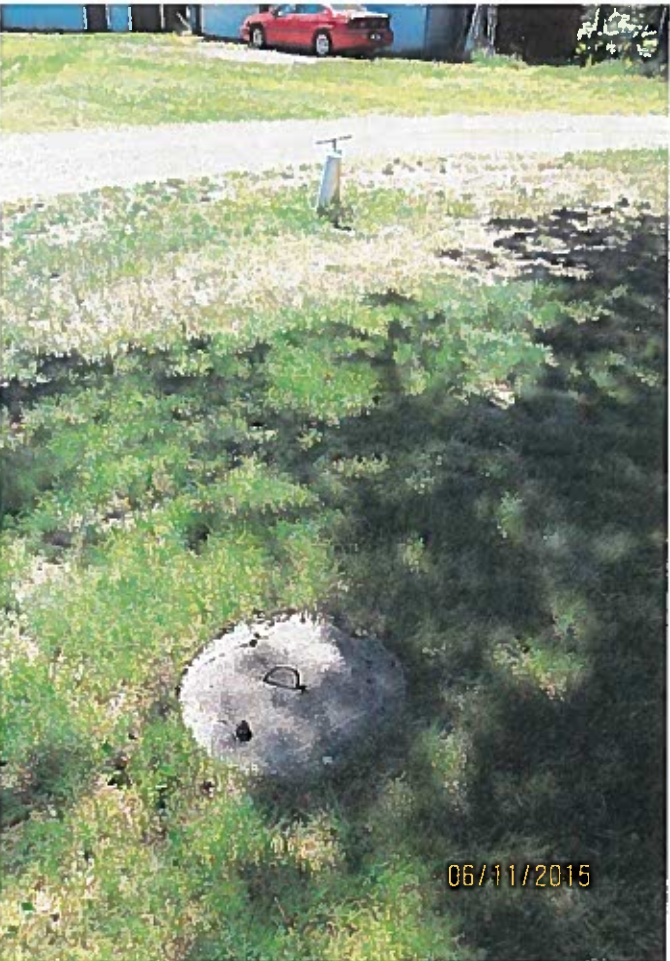


Spigot at Place of Use



Pop up Sprinkler at POU

80901-Sb
95-10608



Underground Storage Tank Lid



Place of Use



Pop up Sprinkler



Place of Use

80901-S6



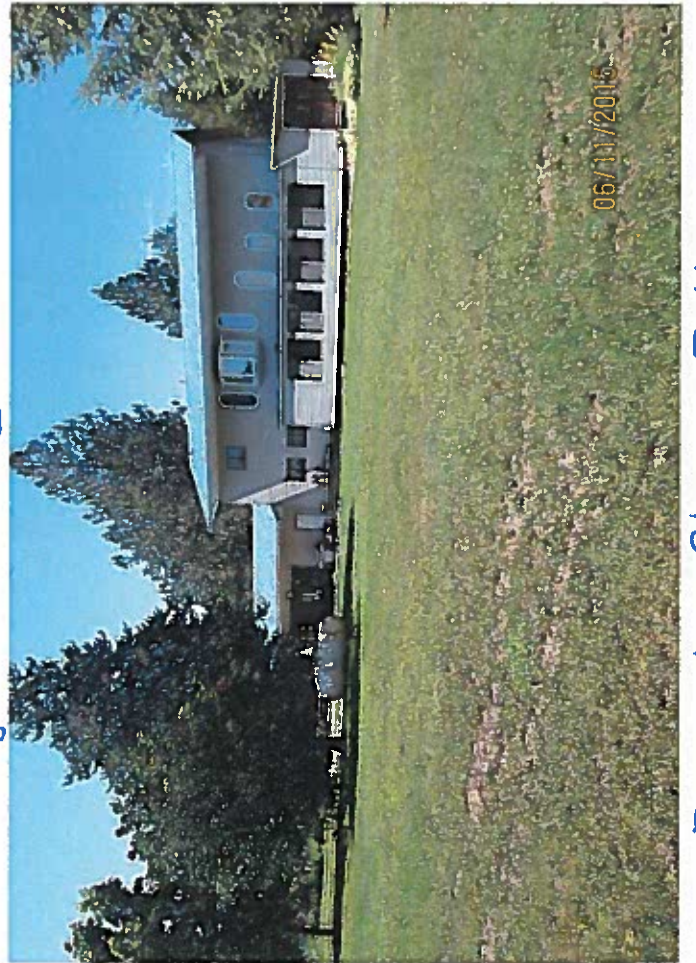
Control box Irrigation POU



Pop Up Sprinkler Irrigation POU



Irrigation Place of Use



Domestic Place of Use

State of Idaho
Department of Water Resources
Water Right License
95-10608

DOMESTIC



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

0 0.025 0.05 0.1 Miles



State of Idaho
Department of Water Resources
Water Right License
95-10608

IRRIGATION

