

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-8978

Exam Date: 5/22/2007

1. Current Owner: JULIA GREEN
8582 GOZZER RD
HARRISON ID 83833
(208)765-1718

And

JACK DOLAN
8582 GOZZER RD
HARRISON ID 83833
(208)765-1718

2. Accompanied by: JACK DOLAN

Phone No: SAME AS ABOVE

Address: SAME AS ABOVE

Relationship to Permit Holder: SELF

3. SOURCETRIBUTARY

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 NW1/4SE1/4 Sec. 8, Twp 49N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS

2.

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	
49N	03W	8															10.0		10.0

Total Acres: 10

IRRIGATION FROM STORAGE same as IRRIGATIONIRRIGATION STORAGE same as IRRIGATIONWILDLIFE STORAGE same as IRRIGATIONAESTHETIC STORAGE same as IRRIGATIONRECREATION STORAGE same as IRRIGATIONDIVERSION TO STORAGE same as IRRIGATIONFIRE PROTECTION STORAGE same as IRRIGATION

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 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 Size</u>
	<u>U/K</u>	<u>7.5</u>	<u>U/K</u>	<u>U/K</u>	<u>U/K</u>

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT						
No.			95-8978			
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	7.5	480.952381	0.75	400	35
Q =	0.103 cfs 46.3 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \times 3 = 30$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .1 \times 246 \times 1.9835 = 48.8$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 30$$

2. Volume Calculations for Other Uses:

$$\begin{array}{r} .12 \text{ acres} \\ \times 10 \text{ ft} \\ \hline 1.2 \text{ AF} \\ + 4.8 \text{ Emp \& Sep} \\ \hline 6.0 \text{ AF} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER AND DIFUSE WATER FOR THE IRRIGATION OF 10 ACRES. THE DIFUSE WATER AND THE WELL PUMP INTO THE POND AND THE 5.5 HP TRASH PUMP TO PUMP THE WATER OUT OF THE POND FOR IRRIGATION. THE ORIGINAL PERMIT WAS FOR IRRIGATION WITH 2 SOURCES ONE BEING GROUNDWATER AND THE OTHER BEING AN UNNAMED STREAM. DURING THE FIELD EXAM THIER WAS NO UNNAMED STREAM PRESENT BUT THE NATURAL SLOPE OF THE GROUND INDICATED DIFUSE RUNOFF FROM THE FIELDS ABOVE.

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 FROM STORAGE	03/15 to 11/15		6.00 AF
IRRIGATION STORAGE	01/01 to 12/31		6.00 AF
WILDLIFE STORAGE	01/01 to 12/31		6.00 AF
AESTHETIC STORAGE	01/01 to 12/31		6.00 AF
RECREATION STORAGE	01/01 to 12/31		6.00 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.100 CFS	
FIRE PROTECTION STORAGE	01/01 to 12/31		6.00 AF
IRRIGATION	03/15 to 11/15	0.100 CFS	30.00 AF
<u>Totals:</u>		0.100 CFS	36.00 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

Date

1-3-08

Reviewer

Date

1/4/8

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState 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.

1. WELL OWNER

Name Mr. Jack Dolan
Address Gazzer Rd. Cda
Drilling Permit No. 95-92-N-51
Water Right Permit No. _____

7. WATER LEVEL

Static water level 400' 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 _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒
- New well
- ☐
- Deepened
- ☐
- Replacement
-
- ☐
- Well diameter increase
-
- ☐
- Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>15</u>	<u>465</u>	<u>1</u>

3. PROPOSED USE

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

9. LITHOLOGIC LOG

079993

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	30	CLAY, BROWN, SOFT		X
	30	53	CLAY, WHITE, HARD		X
	53	77	SAND, WHITE, FINE		X
	77	81	SAND, BROWN, FINE		X
	81	90	CLAY, GREY, HARD		X
	90	158	BASALT, BLACK, MED. HARD		X
	158	182	SAND, WHITE, FINE		X
	182	230	CLAY, BROWN, HARD		X
	230	257	BASALT, BLACK, HARD		X
	257	342	BASALT, BLACK, HARD		X
	342	351	BASALT, BROKEN, CLAY		X
	351	398	CLAY, BROWN, HARD		X
	398	480	BASALT, BLACK, HARD	X	

4. METHOD DRILLED

- ☒
- Rotary
- ☒
- Air
- ☐
- Hydraulic
- ☐
- Reverse rotary
-
- ☐
- Cable
- ☐
- Aug
- ☐
- Other _____

5. WELL CONSTRUCTION

(473' PVC LINER)

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
350 inches	6 inches	2 feet	257 feet
PVC	4 inches	7 feet	480 feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No SKILL SAW
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation 1/8 inches by 6 inches

Number	From	To
120 perforations	440 feet	480 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 160 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

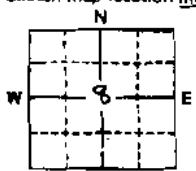
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____

Block No. _____

County KootenaiNW 1/4 SE 1/4 Sec. 8, T. 49 N. R. 3 E. 1/4

10.

Work started 5/1/92 finished 5/6/92

11. 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 Svc Firm No. 448Address Hayden Lk. Id. Date 5-7-92Signed by (Firm Official) Burt H. Kentand
(Operator) Anthony Kent

95-8978



-  Administrative BasinsAdminbas.shp
-  Township/Range
-  Sections
-  QQ
-  Right POD
-  Right POU





IRRIGATION 1



IRRIGATION 2



IRRIGATION OUTLET



IRRIGATION OUTLET 2



POND



PUMP FROM POND



WELL

95-8978



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95-8978





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