

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9234

Exam Date: 7/27/2007

1. Current Owner: LANCE RAGAN
PO BOX 505
RATHDRUM ID 83858
(208)687-4277

And/Or

TRACEY RAGAN
PO BOX 505
RATHDRUM ID 83858
(208)687-4277

2. Accompanied by: TRACY RAGAN
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

SE1/4SE1/4

Sec. 3, Twp 51N, Rge 05W, B.M.

KOOTENAI County

Method of Determination: GPS

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
51N	05W	3																X	

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
51N	05W	3																2.6	2.6

Total Acres: 2.6

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>
D0005073	Schaefer	2	SHFR 218	Schaefer	SHFR 218

*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:

4 gallons in 10 seconds

24 gpm

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS					
WATER RIGHT No.			95-9234		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	2	254.0816327	0.8	150	45
Q = 0.056 cfs 24.9 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.6 \times 3 = 7.8 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .06 \times 246 \times 1.9835 = 29.3 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.8 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\begin{array}{r} 7.8 \text{ irrigation} \\ .1 \text{ stock} \\ \hline 7.9 \text{ AF total} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES GROUNDWATER FOR IRRIGATION AND STOCKWATER. THE WELL TAG NUMBER IS D0005073. THE WELL HAS A SCHAEFER 2 HP PUMP. A MEASUREMENT OF 4 GALLONS IN 10 SECONDS WAS TAKEN DURING THE FIELD EXAM.

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>
STOCKWATER	01/01 to 12/31	0.020 CFS	0.10 AF
IRRIGATION	03/15 to 11/15	0.060 CFS	7.80 AF
<u>Totals:</u>		0.060 CFS	7.90 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

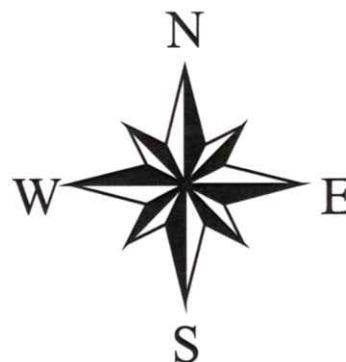
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name W. H. Smith Date 8-28-07

Reviewer [Signature] Date 8/31/07

95-9234



-  GCDB51N05W GCDB
-  Right POD
-  Pou.shp
-  Administrative BasinsAdminbas.shp

WELL DRILLER'S REPORT

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

1. WELL TAG NO. D5073

Drilling Permit No: 95-98-N-109
Other IDWR No. _____

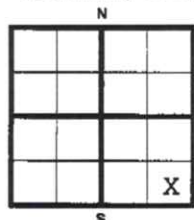
2. OWNER

Name Haynes, Doug
Address 2451 N Henry St.
City Post Falls State Id Zip 83854

Well Number: 734

3. LOCATION OF WELL by legal description

sketch map location must agree with written location



Twp. 51 ☒ North or ☐ South
Rge. 05 ☐ East or ☒ West
Sec. 03 1/4 SE 1/4 SE 1/4

Gov't Lot _____ County KOOTENAI

Lat: _____ Long: _____

Address of Well Site N IDAHO RD
City RATHDRUM

(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	40+	0 GALLON	SLURRY

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
6	+2	210	.250	STEEL	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____

☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

150 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

51 N 5W 3

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
30+ GPM			

Water Temp. _____ Bottom Hole Temp _____

Water Quality test or comments: _____

Depth first Water encountered 150'

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Water	
				Y	N
8	0	8	Soil W/Cobble	☐	☒
8	8	74	Sand & Gravel	☐	☒
8	74	131	Sand Cemented Coarse	☐	☒
8	131	210	Sand & Gravel	☒	☐
8	210	213	Boulder	☐	☐
8	213	215	Sand & Gravel Coarse	☒	☐

RECEIVED

JUL 31 1998

NORTHERN REGION
IDWR

Completed Depth 213' (Measurable)

Date: Started 7/16/98 Completed 7/16/98

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 [Signature] Date 7/16/98

and _____

Supervisor or Operator [Signature] Date 7/16/98

(Sign Once if Firm Official and Operator)

(Louie Hanner)



PLACE OF USE 1



PLACE OF USE 2



STOCKWATER PLACE OF
USE



WELL



WELL TAG

95-9234



95-9234





95-9234





95-9234