

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 87-10028

Exam Date: 10/31/2007

1. Current Owner: CHRISTOPHER SCOTT REISENAUER
3240 MOUNTAIN VIEW RD
MOSCOW ID 83843
(208)882-1189

2. Accompanied by: **OWNER**Phone No: **SAME**Address: **SMAE**Relationship to Permit Holder: **OWNER**3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW1/4NE1/4 Sec. 33, Twp 40N, Rge 05W, B.M. LATAH County

Method of Determination:

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
40N 05W 33	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
		X															

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
40N 05W 33	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
		1.0															1.0

Total Acres: 1

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</u> <u>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</u> <u>Size</u>
~~u/k~~ D0013741	u/k	2	u/k	u/k	u/k

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

D. FLOW MEASUREMENTS

1.

[illegible]

2. Measurements: USED THE PUMP EQUATIONS FOR MEASUREMENT.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 87-10028					
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = HP*8.8*Eff/H	2	183.6463	0.7	68	50
Q =	0.067 cfs	30.2 gpm			

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \times 3 = 3 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \times 231 \times 1.9835 = 3.2 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3 \text{ AF}$$

2. Volume Calculations for Other Uses: **3 AF = IRRIGATION, DOMESTIC = 0.6 AF (TOTAL VOLUME = 3.6 AF)****G. NARRATIVE/REMARKS/COMMENTS:**

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	0.040 CFS	0.6 AF
IRRIGATION	03/15 to 10/31	0.033 CFS	3.0 AF
<u>Totals:</u>		0.070 CFS	3.6 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 Eric Shroy Date 1-4-2008

Reviewer Chris M. Beck Date 1/30/8

87-10028



0.1 0 0.1 0.2 Miles

-  Latah taxlots
-  GCDB40N05W GCDB
-  Place of use.shp
-  QQ
-  Right POD





IRR_1.JPG



IRR_2.JPG



IRR_3.JPG



FLOW.JPG



WELL D0013741.JPG



HOME_WELL_POST.JPG

WR# 87-10028



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