

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 83-11933

1. Owner: Jim Schwartz

Phone No. (208) 826-3408

Current Address: PO Box 149 Elk River ID, 83827

2. Accompanied by: Jim Schwartz EXAM DATE : July 7, 2008

Address: Same as above Phone No: (208) 826-3408

Relationship to Permit Holder: He is the permit holder.

3. Source: Groundwater tributary to N/A

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 83-7125 (Greenhouse), 83-4017 (stock water, domestic), 83-10078 (domestic, commercial), 83-7097 (Greenhouse, domestic), 83-10077 (domestic, commercial). None of the existing water rights are for bulk water distribution, and therefore no overlap.

2. Other water rights with the same point of diversion: ~~82-10078 (domestic-commercial),~~ 83-7097 (Greenhouse, domestic), and possibly 83-7125 (greenhouse)

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

[illegible]

2. Place(s) of Use:

Indicate Method of Determination Aerial Imagery/GPS

[illegible]

✓ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

☒ Aerial Photo Attached
(required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
82-87-N-0008-000					

D. FLOW MEASUREMENTS

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Sensus Totalizing Meter						

2. Measurements: None

E. NARRATIVE/REMARKS/COMMENTS

Mr. Schwartz has three major uses of water between all of his water rights which include domestic, commercial (bottling, and bulk water distribution), and greenhouse (seedlings for USFS) uses. To service these uses there are 4 wells on his property. Well (1) was drilled in a spring and provides domestic water to a rental property at the extreme southern end of the property. Well (2) is the primary well for the lower facilities and provides water to Mr. Schwartz's house and pool, a cistern which feeds water to the green houses, and the bulk watering outlet. The bulk water outlet is the newest use developed on the property and is used to fill large volume domestic water requests, i.e. 10,000 gallon tanker trucks for municipalities. Water from Well (2) is diverted into a control house (glorified above ground valve box) that facilitates the control/distribution of water between the three uses. The pool is filled from a hose bid at the control house. From the control house there is a buried 1-1/2 inch main line that provides water to the warehouse and bulk watering station (covered area where water trucks can fill up). There is a totalizing flow meter at the bulk water station and a stub out for future domestic needs in the warehouse (i.e. restrooms and kitchenette). Well (3) provides water to the Bottling Plant (83-7124), which is located at the upper sight and is used to bottle personal size water bottles up to 5-gallon jugs. Well (4) is the newest well but has never yielded as much water as was anticipated. It was drilled with the intent that it would be used as the primary source for the greenhouses, but do to the low production of the well this has never happened. Mr. Schwartz indicated that currently the well is an emergency/back-up source of water for the green houses.

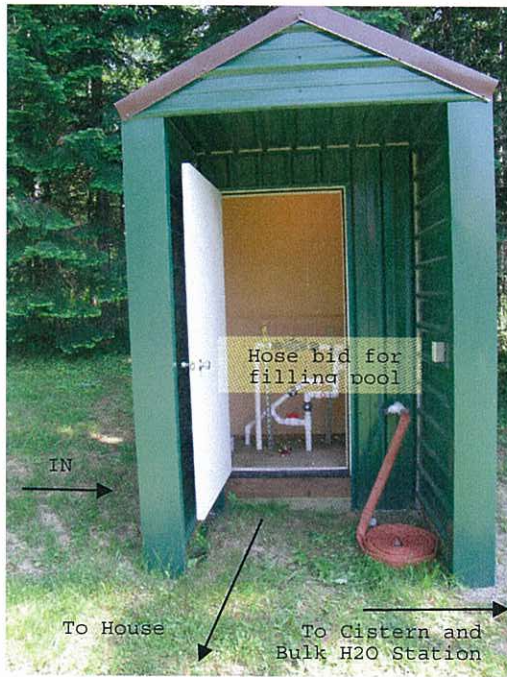
Have conditions of permit approval been met? ☒ yes ☐ no



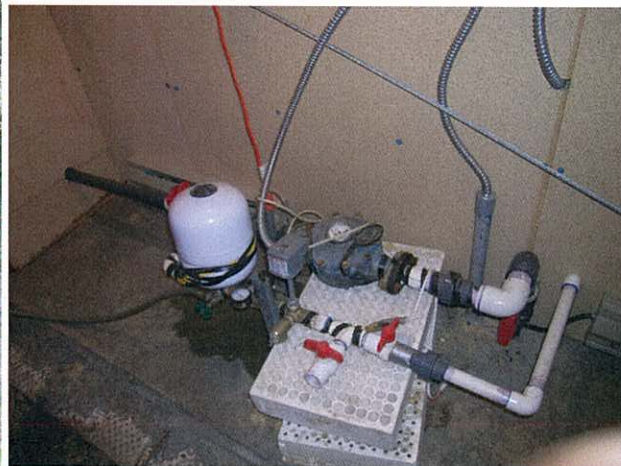
POD in foreground. House w. pool in background.



POD in foreground. Control house in background.



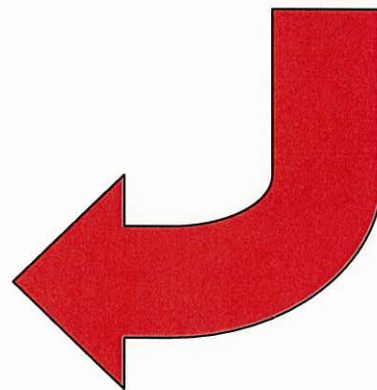
Control house.



Bulk Water Station, inside warehouse.



Bulk Water Station inside warehouse.



F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Bucket test.

$$Q = 5 \text{ gal/15 seconds} = 20 \text{ GPM}$$

$$Q = (20 \text{ GPM})(1/7.48)(1/60) = 0.05 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

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

2. Volume Calculations for Other Uses: Commercial – Bulk Watering

$$\text{Historical Records from 2003: } V = 400,000 \text{ gallons/year}$$

$$V = (400K \text{ g/yr})(1/7.48)(1/43560) = 1.23 \text{ af-ft/year}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
	1/1	12/31	0.05	1.23

Totals: 0.05 1.23

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: Mathew Weaver Date: August 22, 2008

Reviewer _____ Date _____

SEAL



Legend

- 83-11933 Permit POD
- Township/Range
- Sections
- QQ

Permit 83=11933 Vicinity Map