

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 92-10008

Exam Date: 6/22/2007

1. Current Owner: EARL E BENWARE
1155 SE PRO MALL BLVD #425
PULLMAN WA 99163
(509)332-1012

2. Accompanied by: Earl Benware

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

SPRING

TRIBUTARY

SANTA CREEK

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:

SPRING

SW1/4NE1/4

Sec. 1, Twp 43N, Rge 03W, B.M.

BENEWAH County

Method of Determination:

Gamin Global Positioning Receiver GPS coordinates (N 47 degrees 06.362, W 116 Degrees 39.469)
U.S.G.S. West Dennis 7.5 Minute Quadrangle (Topographic)

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 03W 1	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
			X														

3. Method of Determination:

- ☒ 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 Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A	N/A	1HP	N/A	Harbor Freight	Not Available

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Bucket	Bucket	N/A	N/A	N/A	5 gallon	N/A
Watch	Watch	Remington	38-055	N/A	Stopwatch (Wristwatch)	N/A

2. Measurements: Bucket filled in 2.5 minutes

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: Five gallon bucket filled from reservoir overflow
 Bucket filled to 5 gallons in 2.5 minutes
~~1 Bucket~~ 2 GPM = .01 CFS By Reference to table

F. 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:

$$\begin{aligned} 1 \text{ House} &= 1.2 \text{ AF/yr} \\ 1 \text{ yard} &= \text{AF/A} \end{aligned}$$

G. NARRATIVE/REMARKS/COMMENTS

Field Exam conducted June 22, 2007. The owner stated that an adjacent property owner had said the spring the permit owner was utilizing originally flowed on to the adjacent property. No water rights permit activity is on Workflow records for the adjacent property owner (Sabine Krier).

Benewah County Assessor records and Field Exam Global Positioning System (GPS) data indicate that the Point of Diversion (POD) and Place of Use (POU) information on the Application for Permit and Permit are incorrect. The Assessor records and GPS data indicate that the POD and POU are located in the SW 1/4 NE 1/4 of Section 1 T43N R03W instead of Lot 2 NW 1/4 NE 1/4 Section 1 T43N R03W. The property owner has been notified.

The system begins with a perforated four-inch pipe that has been pounded horizontally into a ^{North}~~North~~-facing hillside and underground rock formation. The perforated pipe is approximately eight feet in length and lies

one foot underneath the bottom of a wide trench that has been dug South into the hillside. The trench houses a small covered cistern and a concrete reservoir covered by a small metal building. The trench opens to normal ground level at the North end. The POD is at N47 degrees 06.359, W116 Degrees 39.469
06.362, W116

Water enters the perforated pipe and travels Northward before entering a small round covered cistern approximately 18 inches wide. Water collects in the cistern and flows into a two inch diameter plastic pipe that extends 10 feet to the North before entering the concrete reservoir. The reservoir is nine feet long, four feet wide and five feet deep. The reservoir sits on a six inch concrete slab that is reinforced with rebar.

A four-inch wide drain is installed in the bottom of the reservoir. A T-handle is lowered through the reservoir water to open or close a valve the controls the drain for the reservoir. The reservoir has an overflow pipe approximately six inches from the top that allows water to escape into a second drain line that is connected to the lower drainage line via a Y connection. The drainage line extends northward across the property, under a culvert on the owners driveway, and North across an East-West public road onto another parcel that is owned by the Permittee. The owner may install a pond on the Northern parcel at a later date for firefighting or other uses.

Flow entering the reservoir was measured at two gallons per minute. The reservoir was full and the bottom drain closed. A hole was dug next to the reservoir below the overflow pipe. Flexible hose on the overflow pipe was disconnected at one end to allow overflow water to fill a five-gallon bucket that was lowered into the hole.

Water from the reservoir is pumped upward through a one-inch diameter water line to the owner's home by a one horsepower Harbor Freight electric pump. The water line is partially uncovered. The pump is installed on a platform inside the building above the reservoir. The pump serial number and model number were not visible.

Pump power is provided by a Craftsman 5600 watt electric generator at the owner's home.

The owners use water from the reservoir domestically. A second one-horse Harbor Freight electric pump is installed at the owners home to provide additional water pressure. A outdoor spigot overflowed a five-gallon pump located next to the owner's home in 50 seconds. A second spigot is located underneath the South side of the owner's home.

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	1.2 AF
<u>Totals:</u>		0.020 CFS	

2. Recommended Amendments

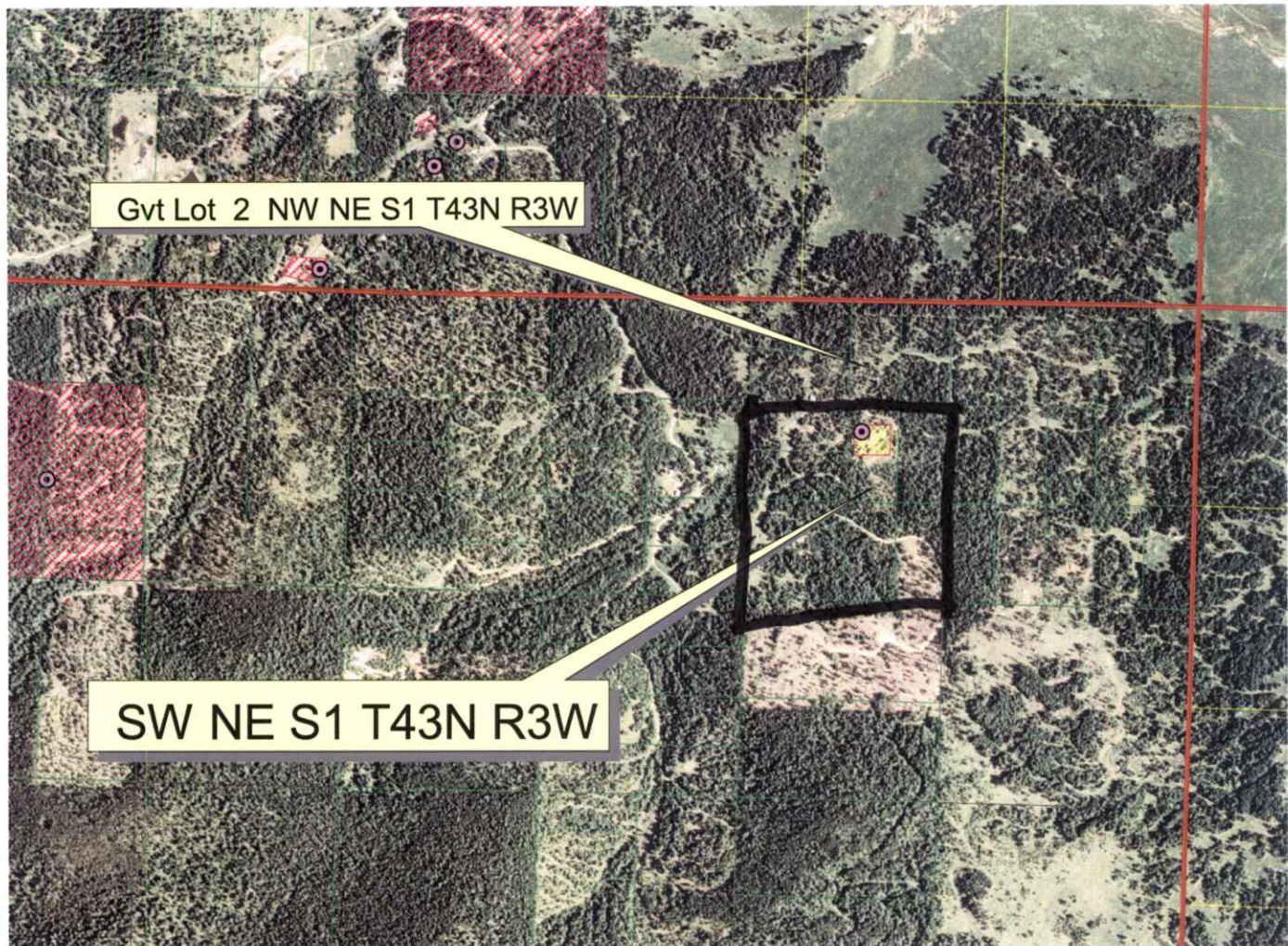
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

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

I. AUTHENTICATION

Field Examiner's Name William M. Mafey Date 6/26/07
Reviewer [Signature] Date 11/21/07

92-10008



0.3 0 0.3 0.6 Miles

-  Benewah taxlots
-  GCDB43N03W GCDB
-  Right POD
-  Right POU
-  Township/Range
-  QQ



SCANS
DEC-7-2017



92-10008 area past fence for runoff & pond



92-10008 fence at prop boundary



92-10008 Generator to power water system



92-10008 Owner fills pail from spigot above POD



92-10008 pail next to wellhouse



92-10008 POD in trench



92-10008 Spigot underneath hopuse



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DEC-7-97



92-10008

8/10/00
DEC-7-07



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SP-112
DEC-7-01



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