

Method of Determination: Arc Map (Aerial Photo)

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>
		1.5			(1")

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

D. FLOW MEASUREMENTS (N/A)

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: No field measurements. Pump discharges to pressure tank in home.

E. FLOW CALCULATIONS

Measured Method: (Theoretical)

____ Additional Computation Sheets Attached

Hp = 1.5
 Z = 50' (Estimated elevation change
 from bottom of spring box to
 home on top of bluff)
 P = 30 psi (Assumed Domestic)

$$Q(\text{theoretical}) = 8.8 \times 0.7 \times 1.5/50 + (2.31 \times 30) = 9.24/119.3 = 0.08 \text{ cfs}$$

(Appears pumping system can attain the permit diversion rate of 0.04 cfs)

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: (N/A)

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

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

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

2. Volume Calculations for Other Uses: Domestic (Internal)

$$V = 1 \times 0.6 \text{ AFA} = 0.60 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS**WATER COLLECTION SYSTEM:**

Spring water is collected in a spring box located on a hillside slope between the Snake River and the right holder's home. The spring box is a pre-cast 48" diameter concrete manhole. The water level was approximately 3' below the top of the spring box.

WATER CONVEYANCE SYSTEM:

A 1 ½ hp submersible pump is located in the spring box. The pump is operated by a manual switch located in the home. The spring water is conveyed to the home by a 1" PVC discharge pipe.

Irrigation pump and piping shown in photo is for irrigation of lawn and landscaping and is included in Water Right Permit No. 02-7479.

The address as shown on the permit is no longer valid. The address in the Beneficial Use Report reflects the current address.

Have conditions of permit approval been met? ☒ Yes ☐ No

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.04	&/or	N/A
Beneficial Use Limit	0.04	&/or	N/A
System Measurement	0.08 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.04	&/or	N/A

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	~~0.06 AFA~~
	<u>Totals:</u>	0.040 CFS	~~0.06 AFA~~

N/A
42-111
RC

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ___X___ None

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

I. AUTHENTICATION

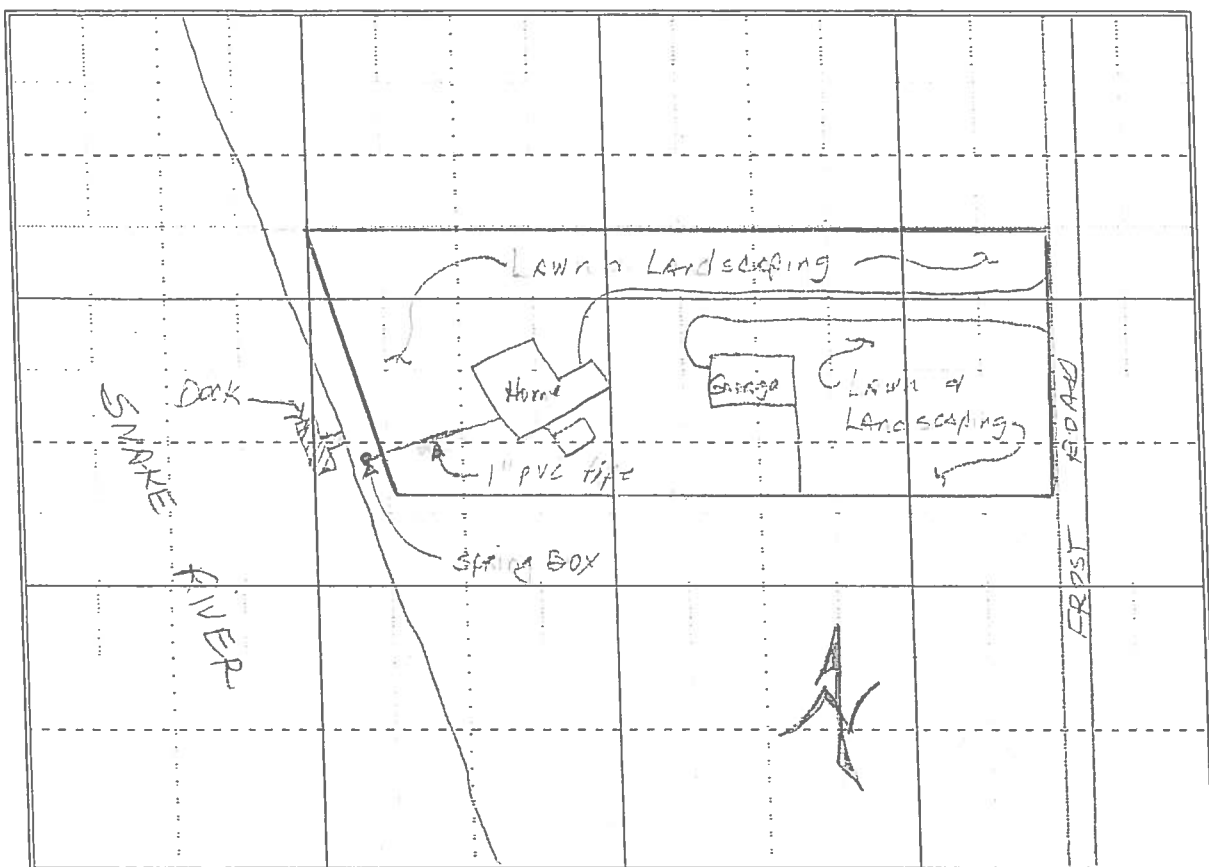
Field Examiner's Name Rick Collingwood Date 10-15-12

Reviewer _____ Date _____

02-12600
Gov't. Lot 3



3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ 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

FIELD EXAM PHOTOS

Water Right Permit: 63-12600

Field Exam Date: 6-18-12

PLS: NE1/4, SW1/4 Section 27, T.03N, R.04W.

Field Examiner: RC



Point of Diversion: View westerly of covered spring box. Spring box is a 48" diameter concrete manhole. A 1 ½ hp submersible pump operates off a manual on/off control switch.



Place of Use: A 1" PVC pump discharge line conveys spring water to this home for domestic use.