

[illegible]

Method of Determination: Taxlot Data

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).
- X 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>
705106					

*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: see Hazen Williams Analysis

E. FLOW CALCULATIONS

Measured Method:

_____ Additional Computation Sheets Attached

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:

G. NARRATIVE/REMARKS/COMMENTS

The spring was diverted via a 3 inch perforated pipe, which was buried beneath several logs. This pipe was connected downstream to a 500 gallon holding tank, which is typically storing 300 gallons. A second pipe runs from this holding tank to a 2000 gallon cement holding tank, and finally to the cabin where water is used.

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	0.010 CFS	0.60 AF
<u>Totals:</u>		0.010 CFS	0.60 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 Nathan Arave Date 10/8/07

Reviewer Nathan Arave Date 10/10/07

Comment Report

25-14196

1. narave 10/10/2007 Field Report Narrative

Comment: The spring was diverted via a 3 inch perforated pipe, which was buried beneath several logs. This pipe was connected downstream to a 500 gallon holding tank, which is typically storing 300 gallons. A second pipe runs from this holding tank to a 2000 gallon cement holding tank, and finally to the cabin where water is used.

2. narave 10/10/2007 POD

Comment: Updated shape

3. narave 10/10/2007 POU

Comment: Updated Shape

4. narave 10/10/2007 overlap analysis

Comment: no overlapping water rights

5. scox 8/2/2007 POD

Comment: Updated shape

6. scox 8/2/2007 POU

Comment: Updated Shape

7. scox 8/2/2007 POU Comparison

Comment: No overlap on POU.

8. scox 8/2/2007 Special Administration Area Notes

Comment: Special Administration Areas : Eastern Snake River Plain Area (Moratorium Area)

Exempt: Y

Reason: Domestic Use.

Doc Attached:

Explanation:

Special Administration Areas : Bingham (Ground Water District)

Exempt: Y

Reason:

Doc Attached:

Explanation:

Special Administration Areas : Non Trust Water Area (Non Trust Water Area)

Exempt: Y

Reason:

Doc Attached:

Explanation:

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Permit	25 7665	KAE D BLACK, HERMAN BLACK,	SELLARS	02S39E3						X											0
Permit	25 7664	KAE D BLACK, HERMAN BLACK,	SPRING	02S39E3						X											0
Right	25 13959	KAE D BLACK, HERMAN BLACK,	SELLARS	02S39E3						X											0
Permit	25 14196	ALMA CRAM,	SPRING	02S39E3		X															0
Right	25 7664	KAE D BLACK,	SPRING	02S39E3						X											0
Right	25 7665	KAE D BLACK,	SELLARS	02S39E3						X											0
Right	25 14196	ALMA CRAM,	SPRING	02S39E3		X															0

SCANNED
SEP 10 2007

Hazen-Williams Equation Calculator

Permit No. 25-14196

Enter These Parameters From the Worksheet

Pipe Diameter (ft)	0.0625
Pipe Length (ft)	1212
Elevation Drop (ft)	185
Values for Type of Pipe (Ch)	150
Discharge (cfs)	0.02

Pipe Values

150 -plastic PVC

140 -very Smooth

130 -cast iron

120 -wood, concrete

110 -riveted steel

100 -old cast iron

80 -badly corroded cast iron















