

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13784

Exam Date: 7/11/2008

1. Current Owner: RAID A JENSEN
3866 N 45 E
IDAHO FALLS ID 83401
(208) 522-2982

And/Or

JOYCE TERRY
3866 N 45 E
IDAHO FALLS ID 83401
(208) 522-2982

2. Accompanied by: Both Owners

Phone No: same as above

Address: same as above

Relationship to Permit Holder: self

3. SOURCE

SPRING

TRIBUTARY

HARKNESS CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-13155
2. Other water rights with the same point of diversion: 29-13155

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

SPRINGS	NE1/4SW1/4SW1/4	Sec. 34,	Twp 08S,	Rge 37E, B.M.
BANNOCK County				
SPRINGS	NE1/4SW1/4SW1/4	Sec. 34,	Twp 08S,	Rge 37E, B.M.
BANNOCK County				

Method of Determination: Garmin GPS

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
08S	37E	34											X						

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Method of Determination: GPS locations of spigots

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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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: 2 five gallon bucket tests on each averaging 0.03 cfs per spigot

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:
 $0.03 \times 6 = 0.18$ cfs which with pressure loss due to all the spigots being on still would deliver 0.11 cfs, which is also the duty of water for 6 homes or RV's

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. 6 sites with irrigation or 1.2 afa per site is 7.2 total

G. NARRATIVE/REMARKS/COMMENTS

The diversion works consist of 2 pieces of buried 100 ft perforated pvc pipe. These are buried in the spring approximately 2 feet below the surface. They connect to a pipe feeding the lots at adjacent points along the stream. These points are marked as the points of diversion, where each overflow valve is located at the downstream end of the perforated pipe. This system delivers to a hydropower unit authorized under permit 29-13155, and 6 spigots used for RV hook up sight locations and irrigation of approximated 0.25 acres of grass. The spigots were able to deliver 0.03 cfs.

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	0.110 CFS	7.20 AF
<u>Totals:</u>		0.110 CFS	7.20 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 Michael Krue Date 7/14/08

Comment Report

29-13784

1. narave 7/11/2008 Field Report Narrative

Comment: The diversion works consist of 2 pieces of buried 100 ft porforated pvc pipe. These are buried in the spring approximately 2 feet below the surface. They connect to a pipe feeding the lots at adjacent points along the stream. These points are marked as the points of diversion, where each overflow valve is located at the downstream end of the porforated pipe. This system delivers to a hydropower unit authorized under permit 29-13155, and 6 spigots used for rv hook up sight locations and irrigation of approximated 0.25 acres of grass. The spigots were able to deliver 0.03 cfs.

2. narave 7/14/2008 POU Comparison

Comment: The only overlapping water right is 29-13155 which uses the same system for operating a generator which is used to power the RV sites

3. scox 8/4/2007 POD

Comment: Updated shape

4. scox 8/4/2007 POD

Comment: Updated shape

5. scox 8/4/2007 POU

Comment: Updated Shape

6. scox 6/27/2007 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 : Non Trust Water Area (Non Trust Water Area)

Exempt: Y

Reason:

Doc Attached:

Explanation:

7. scox 8/4/2007 POU Comparison

Comment: 29-13155, 29-7866 - overlap. All domestic

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	29 13155	DE VERE TOVEY,	SPRING	08S37E34											X						0
Right	29 13784	RAIDA JENSEN, JOYCE TERRY,	SPRINGS	08S37E34											X						0