

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7318

Exam Date: 10/30/2013

1. Current Owner: PATSY JACOBSON
308 N 9TH ST
MONTPELIER ID 83254

Or

DEAN J JACOBSON
308 N 9TH ST
MONTPELIER ID 83254

2. Accompanied by:
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 11-4022
2. Other water rights with the same point of diversion: 11-7316

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L1 NW1/4NE1/4 Sec. 11, Twp 16S, Rge 43E, B.M.
BEAR LAKE County

Method of Determination: Aerial Photography

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
16S	43E	11	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.0
				2.0															
				L 1															

Total Acres: 2

<u>PLACE OF USE:</u>			DOMESTIC																Totals
Twp	Rge	Sec	NE				NW				SW				SE				
16S	43E	11	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
				X															
				L 1															

Method of Determination: Aerial Photography

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>
--------------------------------------	-------------------	-----------	-------------------------	------------------	--

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:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Under the new water right licensing rules this permit qualifies for an in office field exam. No flow measurement will be required.

2 acres x 0.02 cfs/acre = .04 cfs.(irrigation)

2 homes (in-house use) = 0.06 cfs (domestic)

Total = 0.10 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \text{ acres} \times 3.5 = 7.0 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .04 \times 1.9835 \times 200 \text{ days} = 15.9 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.0 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

Domestic: standard volume

2 homes x 0.6 acre-feet = 1.2 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Well/pump to two homes and two acres. Same well as 11-7316. Artesian well to two pressure tanks. Point of diversion/place of use is in Government Lot 1 which is designated as the NWNE. The permit was listed as lot 1 NENE. No amendment needed. Use standard amounts for CFS and AFA. Irrigation of lawns is authorized under the irrigation component of the permit.

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>
IRRIGATION	04/15 to 10/31	0.040 CFS	7.00 AF
DOMESTIC	01/01 to 12/31	0.060 CFS	1.20 AF
<u>Totals:</u>		0.100 CFS	8.20 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 Blake Jordan Date 12/10/13

Reviewer _____ Date _____



Idaho Department of Water Resources

**Water Right
11-7318
(IRRIGATION)
(DOMESTIC)**

● Point of Diversion



Place of Use



State Outline



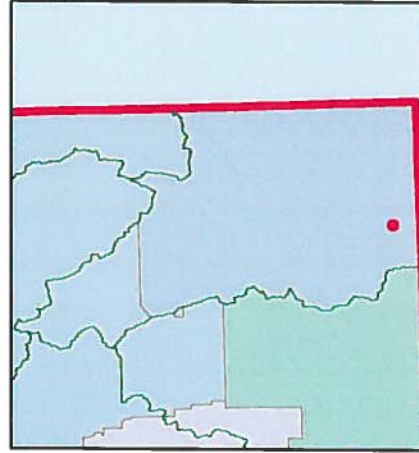
Townships



PLS Sections



Quarter Quarters



**Bear Lake County
IDWR Basin 11**



43E

2

11

NWNE

16S



0 0.03 0.06 0.12 Miles

11-7318

