

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-7540

Exam Date: 7/17/2012

1. Current Owner: WAYNE SIMPSON And DEBORAH SIMPSON
PO BOX 1056
CHALLIS ID 83226
(208)879-2571
2. Accompanied by: Wayne Simpson

3. SOURCE

GROUND WATER

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

GROUND WATER NW1/4NW1/4
CUSTER County

Sec. 10, Twp 14N, Rge 19E, B.M.

Method of Determination: Well Tag D000344 GPS 44 33.757/114 12.671

2. PLACE OF USE:

2. <u>PLACE OF USE:</u>			IRRIGATION																Totals
Twp	Rge	Sec	NE				NW				SW				SE				
14N	19E	10	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	1.6
Total Acres:			1.6																

DOMESTIC same as IRRIGATION

Method of Determination: During field inspection owner indicated portion of property irrigated by well on aerial photo.

3. _____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
 ___X___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 ___X___ Aerial Photo Attached (required for irrigation of 10+ acres).
 ___X___ Photo of Diversion and System Attached

4. Well or Diversion

<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 Size</u>
D000344	Submersible	Unknown			

D. FLOW MEASUREMENTS: None

E. FLOW CALCULATIONS:

Irrigation: 1.6 acres X 0.3 cfs = 0.048 cfs = **0.05 cfs**

Domestic: **0.04 cfs**

Total diversion rate = **0.09 cfs**

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.6 \text{ acres} \times 3.5 = \mathbf{5.6 \text{ af}}$$

2. Volume Calculations for Other Uses:

Domestic = **0.6 af**

Total volume = 5.6 af(irrigation) + 0.6 af(domestic) = **6.2 af**

G. NARRATIVE/REMARKS/COMMENTS

Mr. and Mrs. Simpson own a 7.5 acre parcel next to Challis Creek. Permit 72-7540 was filed for irrigation of 7.5 acres from groundwater. The southern half of the property around the house was developed using groundwater from the well supplying water for domestic and irrigation, the irrigated portion was calculated to be **1.6 acres**. The northern part of the property adjoins Challis Creek and is irrigated using surface water. There is also shallow sub-water in the area that helps to keep the area green, it is approximately 1.5 acres. The Simpsons currently pay an assessment to Water District 170, Sub-district 72-A; however there is no recorded surface water right for the property from Challis Creek. The north 1.5 acres is not irrigated by the well and is not included in this license. A letter has been sent to the owner informing him of the undocumented surface water use and instructing him to cease use of the water until a permit is obtained.

It is recommended that water right permit 72-7540 be licensed for the irrigation of the **1.6 acres** with a flow rate of **0.05 cfs** and **5.6 af**. There is also a domestic use on the right that has been developed for the house and should be recommended for **0.04 cfs** and **0.6 af**. The total allowances should be **0.09 cfs** and **6.2 af**.

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	04/01 to 10/31	0.050 CFS	5.60 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
<u>Totals:</u>		0.090 CFS	6.20 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

Nathan Erickson

Date

12/3/13

Reviewer

Chris Merritt

Date

12/12/13

