

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 92-11053

Exam Date: 6/17/2016

1. Current Owner:
 GAY HAWLEY PO BOX 8233 MOSCOW ID 83843 (208) 883-7933
 And/Or
 RICH HAWLEY PO BOX 8233 MOSCOW ID 83843 (208) 883-7933

2. Accompanied by: Rich Hawley

3. **SOURCE:**
 SPRING

TRIBUTARY:
 CARPENTER CREEK

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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING SE¼NE¼NE¼ Sec. 7, Twp 43N, Rge 01E, B.M. BENEWAH County

Method of Determination: Maps and GPS. POD located at -116° 22.613, 47° 05.538

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
43N	01E	7	X																

Method of Determination: Google Earth, Arcmap, Benewah County taxlot mapping tool.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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 ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
SPRING	GRAVITY				

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: Unable to perform flow measurement.

____ Additional Computation Sheets Attached

Recommended diversion rate similar to in office rules covered under IDAPA RULE 37.03.02.035.01.r.iii.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Domestic use for 1 home with no irrigation = 0.6 AF

G. NARRATIVE/REMARKS/COMMENTS

Field exam with applicant, Rich Hawley showed two pumps on Carpenter Creek and a developed spring for domestic water. It was found during exam that the two sources of water were not interconnected and a split of the permit would be required at time of licensing. The spring source only served the home and was not connected with the creek sources and they were not connected with the home. The associated split resulted in the original permit, 92-10142 showing the two sources from Carpenter Creek and this new right, 92-11053 showing the spring source.

The spring source had been dug down and developed using a plastic 55 gallon drum that was installed underground as a spring box. From that drum, a waterline was installed to a 500 gallon tank before being used in the home. The applicant was living in a trailer while he built his home. The applicant had also attached a hand pump hydrant to the top of the spring box for use if needed like getting water for the dog etc. There was no way to accurately measure the flow of the spring because it was stored in a spring box prior to diversion. It is the recommendation of the field examiner to issue the license for 0.04 cfs similar to how in office exams license domestic uses without measurements.

The spring source was identified on the permit to be tributary to Carpenter Creek. During the field exam I saw no way that the spring could be connected to the creek. However, because I was only there during a single day out the year, it will be left on the license as being tributary to the creek.

License will be issued for 0.04 cfs with an annual volume of 0.6 acre-feet. License will remove all conditions except WB9 and 004. License will add condition WB5 to show this use is for 1 home and does not include any irrigation.

Have conditions of permit approval been met? X 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	0.04 CFS	0.6 AF
	<u>Totals:</u>	0.040 CFS	0.60 AF

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 X None

I. AUTHENTICATION

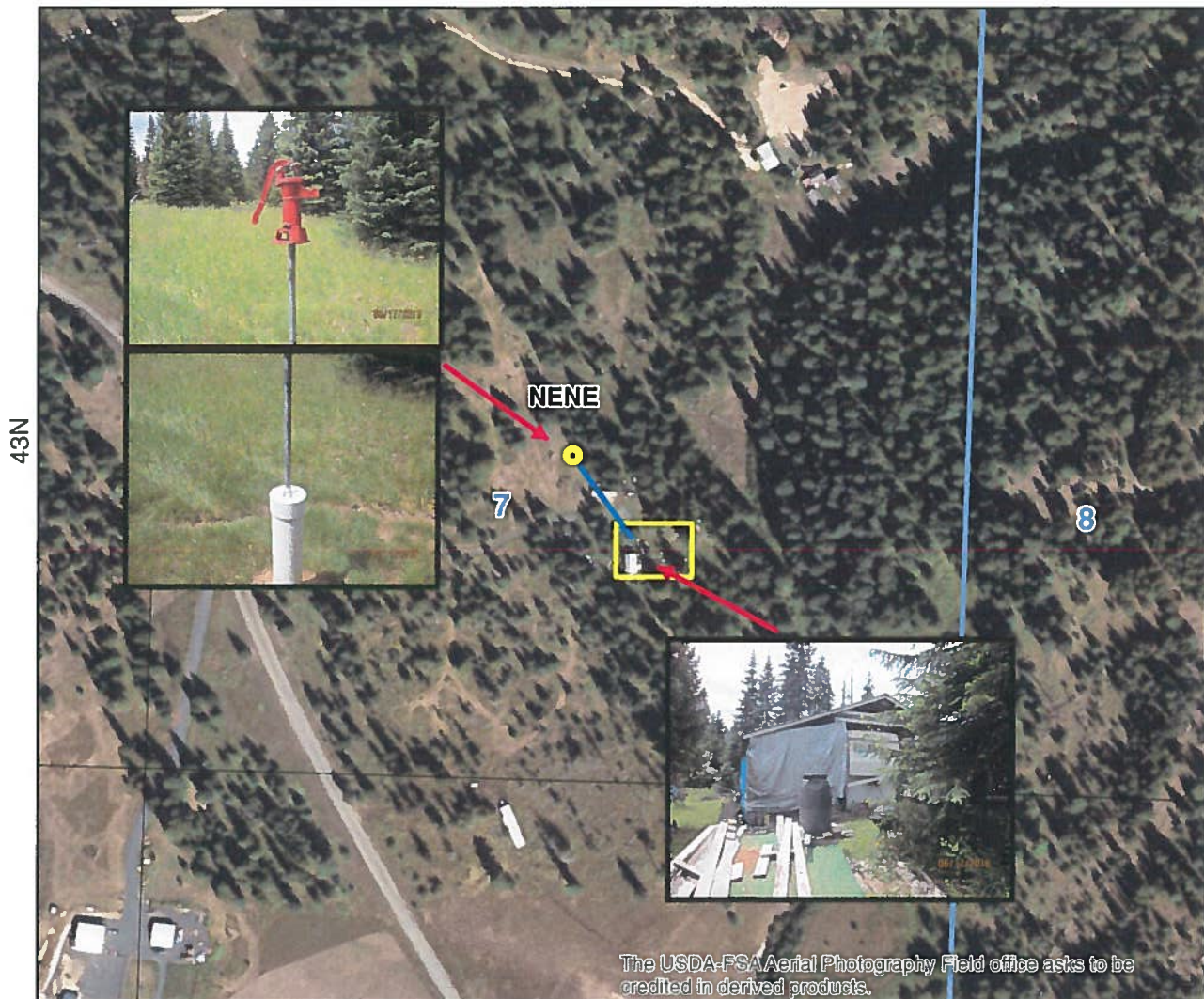
Field Examiner's Name Adam Fuschil Date 2/6/2018

Reviewer Douglas Jones P.E. Date 2/28/18

State of Idaho
Department of Water Resources
Attachment to Field Exam
92-11053

DOMESTIC / SYSTEM DIAGRAM

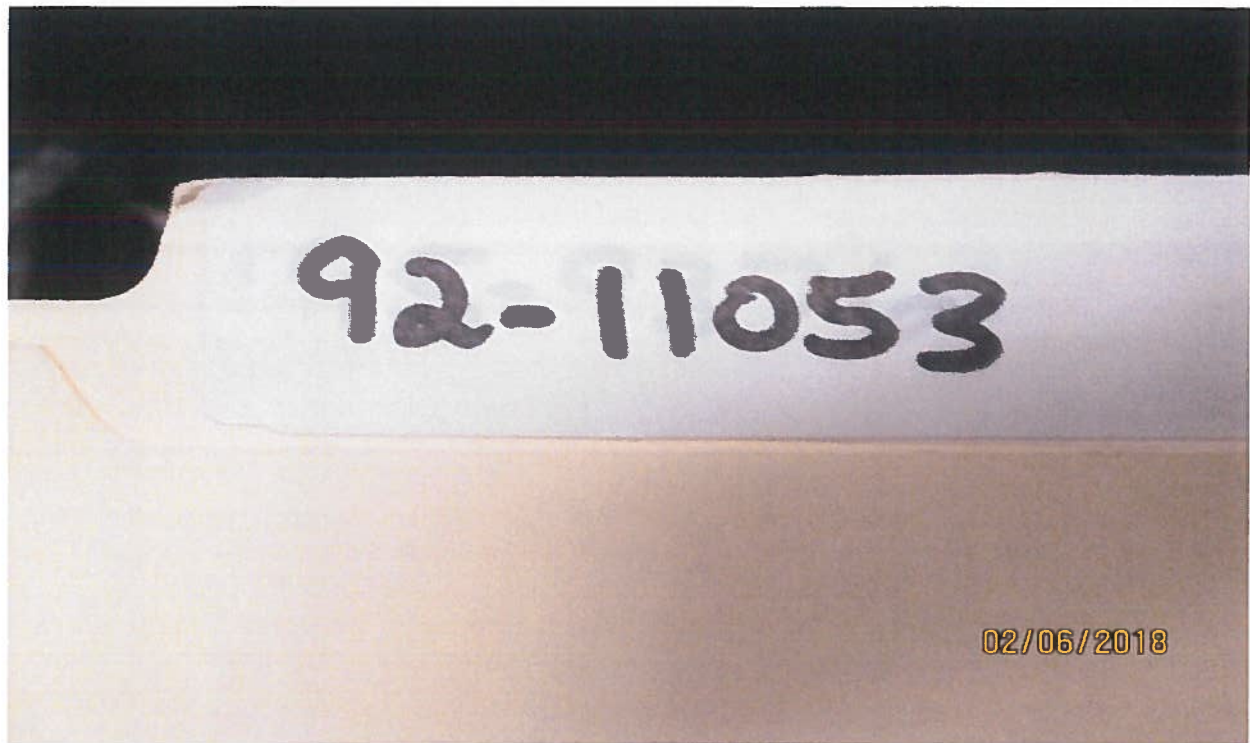
01E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles





Spring source that applicant had built spring box down below the surface and put a pump hydrant on top and ran a water line to house.



Spring source, measurement could not be performed because flow rate would not be accurate from the pump hydrant or from the small storage tank at the house.



Applicant's home while he built the permanent structure.