

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 72-16602

Exam Date: 9/10/2012

1. Current Owner: ESTATE OF ARCHIE SHERWOOD
PO BOX 163
CHALLIS ID 83226
(208)838-2395
2. Accompanied by: Jeff Cooper (IDWR) and Archie Wesley Sherwood (permit holder representative)

3. SOURCE

SPRING

TRIBUTARY

EAST FORK SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 72-10057 (decreed domestic groundwater right). Note that property also has irrigation rights from the East Fork of the Salmon River, but these rights are used below (east) of the ditch through the property and do not actually overlap the place of use of this right, 72-16602 (above, and west of the ditch).

2. Other water rights with the same point of diversion: None

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

SPRING

SW1/4SW1/4NW1/4

Sec. 13, Twp 10N, Rge 18E, B.M.

CUSTER County

Method of Determination: Aerial photography and field verification

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
10N	18E	13					X												

Method of Determination: Aerial photography and field verification

D. FLOW MEASUREMENTS

Water flow was measured with a bucket and stopwatch from a garden hose at the residence that is tied into the pipeline from the spring. Flow was measured at 20 gpm or 0.0446 cfs. Recommend licensing the permitted diversion rate of 0.04 cfs.

E. VOLUME CALCULATIONS

Not required for 42-111 type domestic uses per new Beneficial Use Examination Rules implemented 3/29/2012.

F. NARRATIVE/REMARKS/COMMENTS

Application for Permit 72-16602 was filed April 6, 2001 by Archie Sherwood for diversion of 0.04 cfs of spring water for domestic use (house and lawn). Permit 72-16602 was issued on August 31, 2006 in the name of the Estate of Archie Sherwood (Mr. Sherwood passed away, but his son Archie Wesley Sherwood continued the pursuit of the permit). Proof of beneficial use was filed in September of 2006, but the proof of beneficial use fee was not submitted until October 23, 2006. On September 10, 2012, while in the area Jeff Cooper and I met Archie Wesley Sherwood and conducted the licensing exam for 72-16602.

The 72-16602 system consists of a collection standpipe located in a spring with a 4" diameter buried pipeline that runs about 0.6 mile downhill from the spring. Approximately 0.4 mile downhill from the spring, a 2" diameter buried pipeline splits off of the main line and provides water for one home. Mr. Sherwood indicated that at one time the spring water was used for culinary purposes in the home, but due to water quality it is now only used to irrigate the lawn and other landscaping around the home. Note that decreed domestic groundwater right 72-10057 also serves the same home. Beyond the home, the main 4" diameter buried pipeline continues downhill for approximately 0.2 mile where it can discharge into a small stockwater pond. It appeared that very little water had ever been stored in the pond, but the pipeline was visible in the bottom of the pond and the system was capable of providing water to the pond. Mr. Sherwood indicated that the pipeline can be emptied into the pond and utilized for stockwater purposes. The pond is located within the same 40 acre tract as the permitted domestic use and stockwater can be considered a domestic use.

Water flow in the pipeline was measured with a bucket and stopwatch from a garden hose at the residence at 20 gpm or 0.0446 cfs. It is recommend that the license be issued for the permitted diversion rate of 0.04 cfs with no licensed volume amount due to 42-111 type domestic uses not requiring an annual volume per the new Beneficial Use Examination Rules implemented 3/29/2012. Appropriate domestic limits (13,000, gpd & ½ acre irrigation) should be implemented as part of the license. It should be noted that the permit identified the permit as being in Water District 170, now Subdistrict 72D. However, the order that created Water District 170 specifically excluded 42-111 type domestic uses. After discussion with the Water District 170 watermaster, it was decided to remove the water district flag and conditions referencing a water district and/or a watermaster.

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS**1. Recommended Amounts**

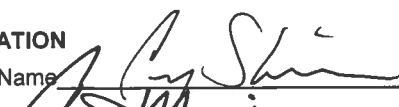
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	N/A
<u>Totals:</u>		0.040 CFS	N/A

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

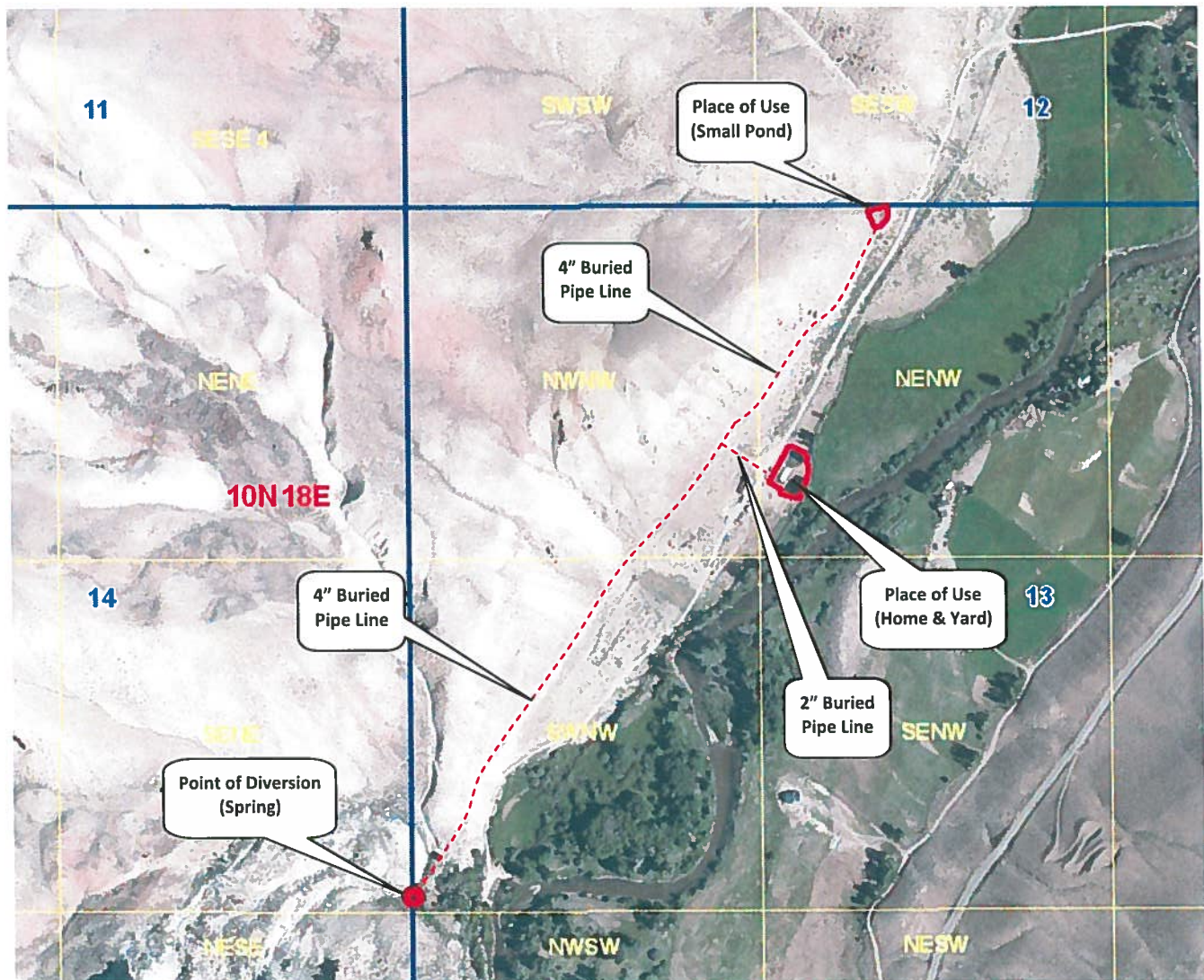
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

H. AUTHENTICATION

Field Examiner's Name  Date 1/16/2013

Reviewer  Date 1/22/13

72-16602 Point of Diversion & Place of Use Map



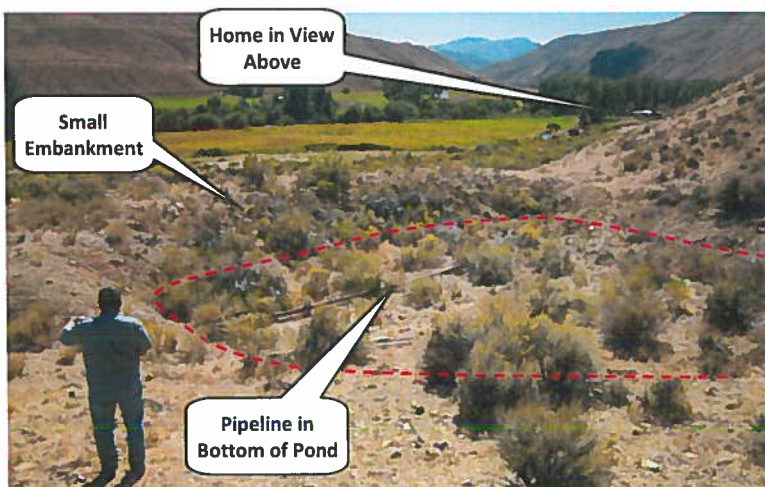
72-16602 Point of Diversion and Place of Use Photos



View of Point of Diversion (standpipe in spring). This is the head of the 4 inch diameter buried pipeline from the spring. Note standing water (moss covered) at base of standpipe.



View of Place of Use (home and yard). The garden hose hanging on the fence in the center of photo is tied into the buried pipeline from the spring and used to irrigate the yard and landscaping around the home. A valve was opened and the flow through the pipeline and hose was measured at 20 gpm (0.04 cfs).



View further north (down the pipeline) from the view above. This view shows the small pond (outlined area) where the pipeline ends. Note that the pipeline is visible in the bottom of the pond in this view. Mr. Sherwood indicates that water from the pipeline can be emptied into this pond and utilized for stockwater purposes (still considered domestic use).