

A. GENERAL INFORMATION

Exam Date: 9/12/2012

- ## B. OVERLAP REVIEW

- ### C. DIVERSION AND DELIVERY SYSTEM

Method of Determination: DRG, air photo, gps

PLACE OF USE: RECREATION

[illegible]

Method of Determination:

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

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

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:

A timed volume measurement of 6 gallons in 12.5 seconds (3 sample average) at overflow from pools was obtained. This rate is representative of the total flow through the system which includes the hot water (74-7394) and cold water (74-15989). The cold water from the well was also measured by timed volume at 6 gallons in 28.3 seconds (three sample average) at a 3/4" spigot located in the pump house.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method: Timed Volume with 6 gallon bucket.

6 gal in 12.5 sec = 28.8 gpm

6 gal in 28.3 sec = 12.7 gpm

28.8 gpm less 12.7 gpm = 16.1 gpm flow from the hot water supply.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

2. Volume Calculations for Other Uses: Recreation Use

$$16.1 \text{ gpm} \times 60 \times 24 \times 365 / 325850 = 26 \text{ acre feet annually}$$

G. NARRATIVE/REMARKS/COMMENTS

Field exam conducted on September 12, 2012. I was accompanied by Bob Berasi of the BLM (Project Maintenance). The hot spring developments are mostly sub-grade. Spring collection boxes identified by BLM have some features visible at grade. These locations are noted on attached map as Hot Spring Collection Box No.'s 1 & 2 and represent the points of diversion. This is a flow-thru gravity system. HDPE pipe (reported by BLM to be 3" dia) from the springs cross over Warm Spring Creek inside 8" steel pipe. The remaining pipe is buried and connected to the noted blending box. Water from cold springs developed under 74-7396 and well water developed under 74-15989 are connected to the blending box to cool water from the hot springs (155 degrees F). The primary source used for cooling is the well water according to BLM (see attached email string). The cold springs were originally used for cooling but are only used as a "back up" to the newer well that is stated to be more reliable. Water from the blending box is piped below grade through 4" HDPE into two 1200 gallon (stated size from BLM) concrete soaking pools. Pool dimensions are appx. W 7 ft x L 13 ft x H 2.5 ft indicating a capacity less than 1706 gal. because the pools include round corners, submerged steps and a wrap around submerged bench, reducing the total volume. 1200 gallons appears to be a realistic capacity. Outflow from the pools returns to Warm Spring Creek through an overflow pipe. Pools are stated to be maintained at 104 degrees F. The pools are drained sanitized and refilled weekly.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

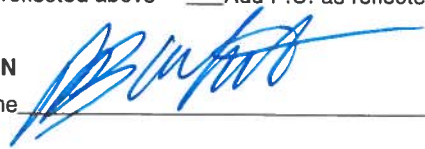
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION	1/01 to 12/31	0.040 CFS	26 AF
<u>Totals:</u>		0.040 CFS	26 AF

2. Recommended Amendments

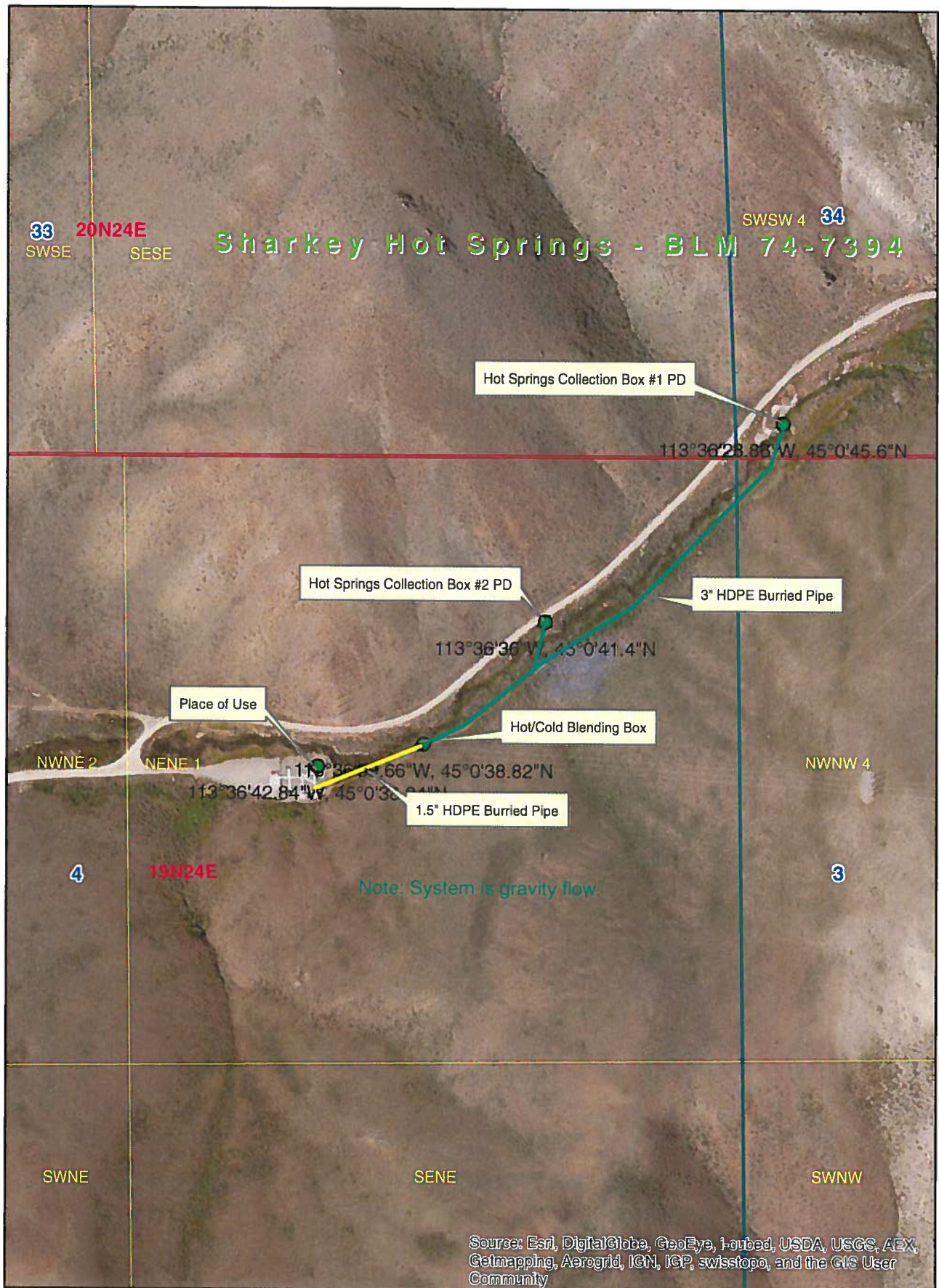
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name  Date 2-18-14

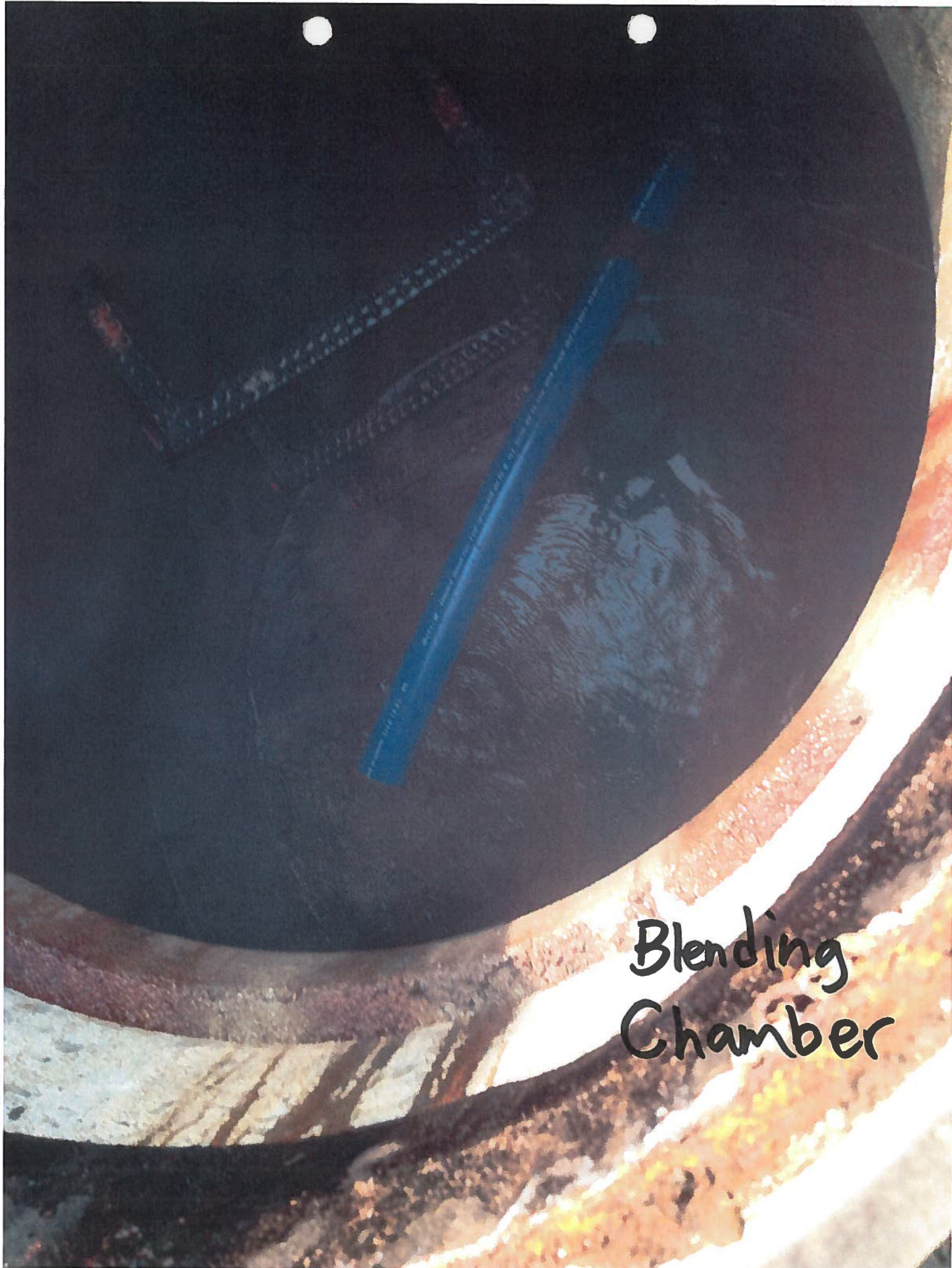
Reviewer _____ Date _____





POU





Pump House
For 74-15989

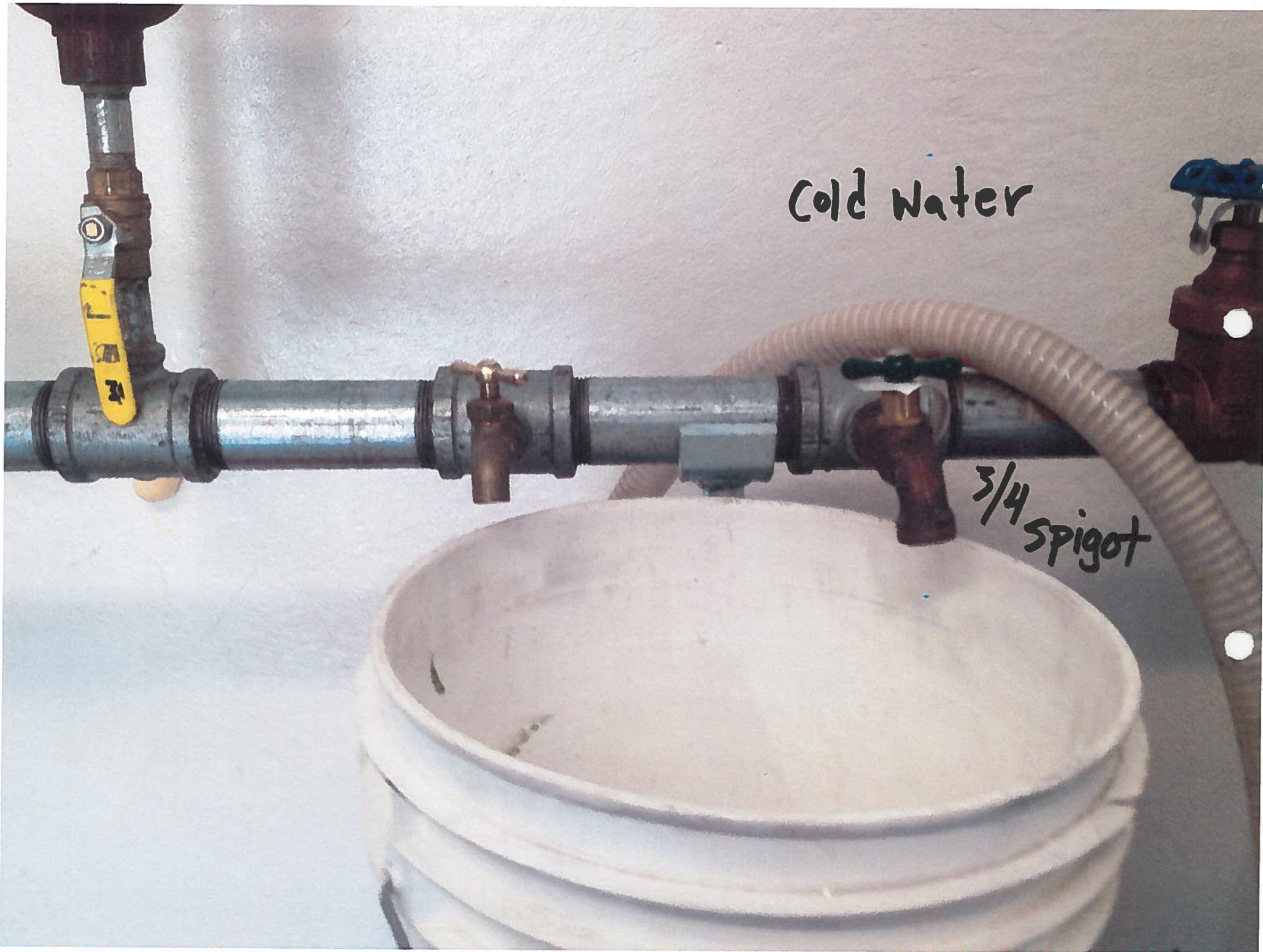




↑
Outflow
To W.S. Creek

Cold Water

$\frac{3}{4}$ spigot





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Sharkey Hot Springs

This site is a popular destination for soaking, biking, picnicking and scenic viewing. It includes two soaking pools, restrooms, changing rooms, picnic tables, a large group fire ring and a parking area. The site is named for B.F. Sharkey, an early settler of Lemhi County. The springs were originally developed around 1890 and attracted people from the Lemhi Valley and Salmon River area.

With your help BLM can continue to make Sharkey Hot Springs an amazing place to visit. Funds go towards cleaning and upkeep of all facilities.

Directions: 19 miles southeast of Salmon, Idaho. Traveling southeast of Salmon on Highway 28 to Tendoy, then turn north and follow the signs for Warm Springs Road and Sharkey Hot Springs. The Hot Springs are located about 5 miles from Tendoy, Idaho.

Facilities/Fees:

- \$3/person; \$20 annual pass; 16 years old and under are free
- Federal Interagency Recreation Pass accepted here
- Use season: year-round, may need snowmachine in winter months
- No camping allowed at or near the site
- No dogs or use of soap, shampoo, detergents, or glass containers
- **POOLS ARE EMPTIED AND CLEANED ON WEDNESDAYS - 8:00 AM - 12:00 PM**



Idaho Salmon Field Office



Salmon Recreation Home
Map and Facilities
Agency Creek
Discovery Hill
Eightmile Day Use Area
Elevenmile Day Use Area
Goldbug Hot Springs
Kilpatrick Day Use Area
McFarland Campground
Morgan Bar Recreation Site
Sharkey Hot Springs
Shoup Bridge Recreation Site
Smokey Cubs Recreation Site
Tower Creek Pyramids Day Use Area
Tower Rock Recreation Site
Williams Lake Campground

Last updated: 07-12-2013

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