

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 51-7375

Exam Date: 3/25/2013

1. Current Owner: US DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
2620 KIMBERLY RD
TWIN FALLS ID 83301
(208)736-2350
2. Accompanied by: Field exam completed in office utilizing Department resources.

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 51-12590; 51-2356
2. Other water rights with the same point of diversion: 51-12590; 51-2356

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

GROUND WATER

SE1/4SW1/4

Sec. 35, Twp 13S, Rge 09E, B.M.

OWYHEE County

Method of Determination: Point of diversion determined by using 2009 aerial photography and ESRI satellite imagery. Point of diversion appears to be in Twp 13S, Rge 09E, S 35, SESW¼. See attached map.

2.

PLACE OF USE:

FIRE PROTECTION

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>	
13S	09E	35												X					

Method of Determination: Place of Use determined by using 2009 aerial photography and ESRI satellite imagery. Point of diversion appears to be in Twp 13S, Rge 09E, S 35, SESW¼. See attached map.

3. ☒ 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</u> <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</u> <u>Size</u>
		10		Jacuzzi	

D. FLOW MEASUREMENTS: N/A

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 10 Hp

Eff = efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)
assume pumping level of 637 feet (per Well Log)
assume system pressure of 0 psi as system is open discharge.

$$H = 637 + (0 \times 2.31) = 637$$

$$Q = \frac{8.8 \times 10 \times .70}{637} = 0.10 \text{ cfs}$$

F. VOLUME CALCULATIONS: N/A

G. NARRATIVE/REMARKS/COMMENTS

Permit 51-7375 was permitted for Industrial and Fire Protection utilizing ground water from a well referred to as the Three Creeks Well. Application for permit 51-7375 submitted by the US Dept of Interior, Bureau of Land Management was received on June 27, 2000, and proof of Beneficial Use was submitted December 13, 2001.

Three Creeks Well is located approximately 31 miles west and 24 miles south of Buhl. There are two existing stockwater rights, 51-12950 and 51-2356, both for 0.050 cfs that are also diverted from this well.

Industrial use was intended for a 1 year road construction project that started in the spring of 2000 at the Air Force Juniper Butte Bombing Range, which has a southwest boundary approximately 2 miles northwest of the well. I contacted several parties concerning this water use and as more than 12 years have elapsed since the project occurred, no parties were able to give me any information as to the volume of water used for this project. Lucille Hamilton, Optimization Element Chief for the 366th Fighter Wing at Mountain Home Air Force Base, contacted the Army Corps of Engineer Supervisor that managed the project, and he told her that water from the well was used only for dust control, and that no records were kept as to the volume of water used, or how often water trucks were filled at the well. Ms. Hamilton also indicated the well hasn't been used for any Air Force projects since 2000. I made multiple attempts to obtain more information from the BLM. I contacted Brian Davis the Field Manager for the BLM Jarbidge Field Office and he provided me with contact information for the Air Force, but nothing more. I did speak to a former BLM employee, Roselyn Brooks, who indicated she had drafted 3500 gallons from the well 3 to 4 times over a twelve year period for firefighting purposes. The industrial use applied for on this permit could likely have been

permitted as a temporary appropriation instead of seeking to license it as a beneficial use. Since no information was available concerning the volume of water utilized, the project was only one year in duration, and a volume is required for licensing industrial use, I'm recommending that the Industrial use be dropped from the license due to lack of sufficient information to license this beneficial use. However, the Fire Protection use was verified during my attempt to obtain information regarding the industrial use.

BLM information submitted on the permit indicates the well produces approximately 0.05 cfs and a theoretical yield equation indicated a potential yield of 0.10 cfs. Application for permit indicated the well was in the SESESW1/4, but the actual location is visible in satellite imagery and is located in the SWSESW1/4. The 10 acre description was changed to the 40 acre description, SESW1/4, to correct this error.

Recommend licensing 0.05 cfs for Fire Protection.

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>
FIRE PROTECTION	1/01 to 12/31	0.050 CFS
<u>Totals:</u>		0.050 CFS

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 Bill Hoke Date 3/25/2013

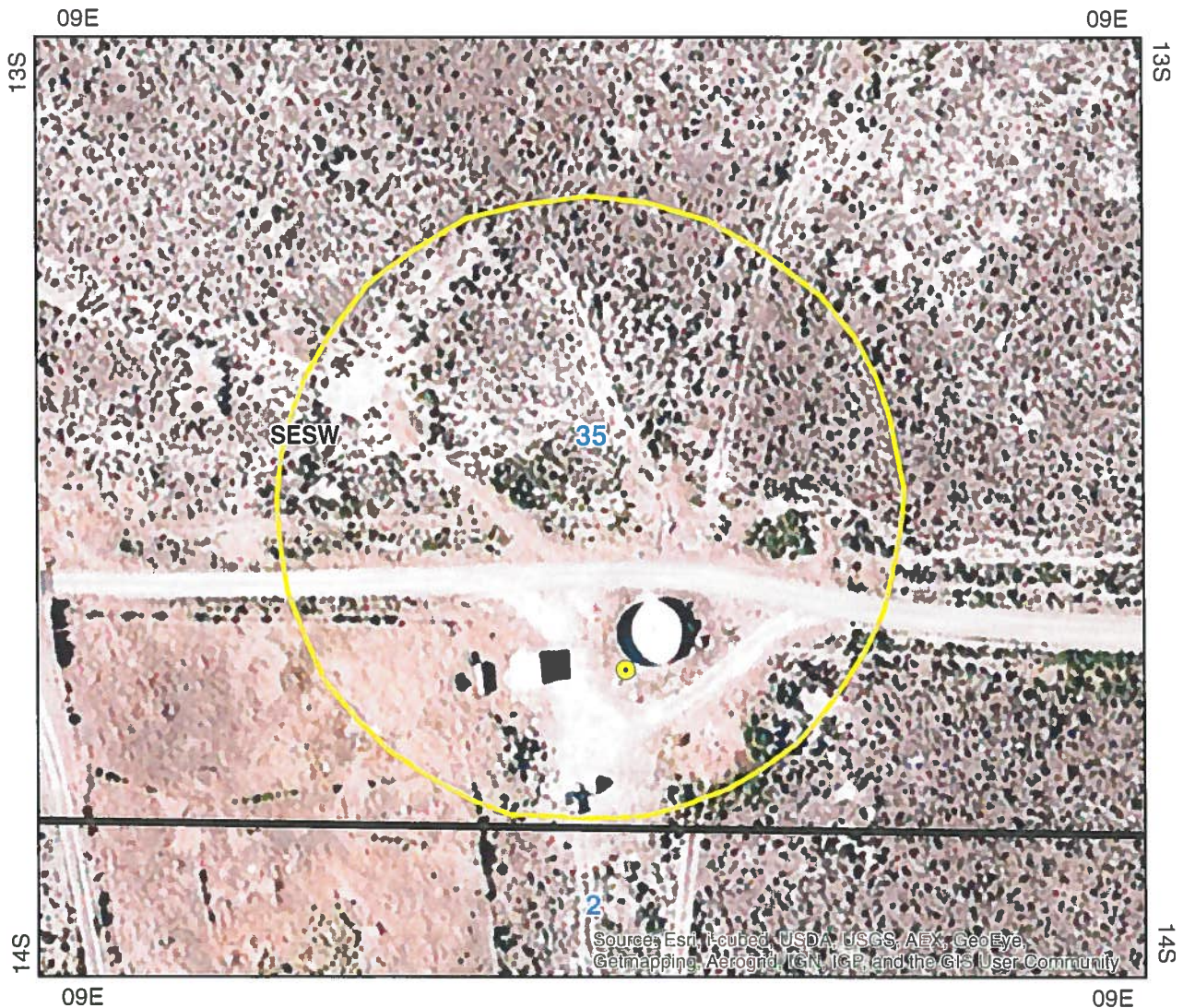
Reviewer [Signature] Date 3/28/2013

State of Idaho
Department of Water Resources

Attachment To Water Right License

51-7375

This map depicts the FIRE PROTECTION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



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

0 0.01 0.02 0.04 Miles

