

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20598

Exam Date: 4/4/2012

1. Current Owner: US DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
400 WEST F ST
SHOSHONE ID 83352
(208)732-7200

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

GROUND WATER NE1/4SE1/4
LINCOLN County

Sec. 31, Twp 03S, Rge 23E, B.M.

Method of Determination: Waypoints were collected with a Garmin GPS map 76S receiver and downloaded into an ArcMap shapefile that corresponds with 2009 aerial photography and verified the point of diversion to be in Twp03S Rge23E S 31 NESE¼. See attached map.

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03S	23E	31													X				

Method of Determination: Waypoints were collected with a Garmin GPS map 76S receiver and downloaded into an ArcMap shapefile that corresponds with 2009 aerial photography and verified the point of diversion to be in Twp03S Rge23E S 31 NESE¼. See attached map.

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

Well or Diversion
ID No.*

D. FLOW MEASUREMENTS None Possible.

____ Additional Computation Sheets Attached

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

H = total head = pumping level + (2.31 x system pressure)
pumping level of 572 feet (static water level per drillers report)
Assume no system pressure as system dumps water into top of storage tank (open discharge).

$$Q = \frac{8.8 \times 5 \times .70}{572} = 0.05 \text{ cfs}$$

G. NARRATIVE/REMARKS/COMMENTS

Fire Butte Well is located 9.4 miles east and 12.5 miles south of the intersection of Highway 20 and Highway 26 in Carey. A generator is used to supply power to a 5 Hp submersible pump in the well and water is pumped into a storage tank and then is gravity fed from the tank through a 3"galvanized steel water line to a spigot used to fill water trucks. Water trucks distribute water to various locations throughout the desert to water sheep, including two troughs at the site. Truck spigot and trough location will be identified as the place of use. The troughs are 1'10" D x 7'8" W and have a combined capacity of approximately 1261 gallons (0.004 AF). A 3" hose was present at the site that is likely used to fill the troughs, which they were full on the exam date.

Have conditions of permit approval been met? x Yes
No

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
STOCKWATER	01/01 to 12/31	0.020 CFS
	Totals:	0.020 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

Date

Reviewer

Date

Bill Mills 4/18/2012
R. Martin 4/24/2012



Figure 1: Well Head, Pump House and Storage Tank.



Figure 2: Troughs and 3" Spigot.

System Diagram Permit 37-20598

