

STATEMENT OF COMPLETION AND DESCRIPTION OF WELL OR SPRING

NOTE: Do not fold this form. Use typewriter
or print neatly with black pen.

PERMIT NO. U.W. 182739 NAME OF WELL/SPRING HORSESHOE BEND WELL #1

1. NAME OF OWNER NATIONAL PARK SERVICE

2. ADDRESS 20 HWY 14A

☐ Please check if address has changed from that shown on permit

City LOVELL State Wyoming Zip Code 82431 Phone No. 3075485408

3. USE OF WATER ☐ Domestic ☐ Stock Watering ☐ Irrigation ☐ Municipal ☐ Industrial ☒ Miscellaneous
☐ Monitor or Test ☐ Coal Bed Methane Explain proposed use (Example: One single family dwelling) _____

4. LOCATION OF WELL/SPRING NW 1/4 SW 1/4 of Section 36 T. 058N R. 095W of the 6th P.M. (or W.R.M.)

GPS Coordinates UTM Zone _____ Easting _____ Northing _____

Subdivision Name _____ Lot _____ Block _____

If surveyed, bearing, distance and reference point _____

Longitude (degrees, minutes, seconds) 108° 16' 8" Latitude (degrees, minutes, seconds) 44° 57' 49"

Datum ☐ 1927 ☒ 1983 Source: ☐ GPS ☐ Map ☐ Survey

5. TYPE OF CONSTRUCTION ☒ Drilled _____ ☐ Dug ☐ Driven ☐ Other
(Type of rig, and fluid used, if any)

Describe _____

6. CONSTRUCTION Total depth of well/spring 620.00 ft.

Depth of static water level 35.00 ft. (below land surface) Casing height 2.00 ft. above ground

a. Diameter of borehole (bit size) 6.00 inches

b. Casing schedule ☒ New ☐ Used Joint type ☒ Threaded ☐ Glued ☐ Welded

12.00 diameter from 6.000 ft. to 38.000 ft. Material Steel - Other Gage 0.385

_____ diameter from _____ ft. to _____ ft. Material _____ Gage _____

c. Cemented/grouted interval, from 0 ft. to 490.00 ft.

Amount of cement/grout used 4 type Portland Cement
(example: 10 sacks) (example: bentonite pellets)

d. Type of completion ☐ Factory screen ☒ Open hole ☐ Customized perforations

Type of perforator used _____

Size of perforations _____ inches by _____ inches.

Number of perforations and depths where perforated

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

Open hole from 490.00 ft. to 620.00 ft.

Well screen details

Diameter _____ slot size _____ set from _____ ft. to _____ ft.

Diameter _____ slot size _____ set from _____ ft. to _____ ft.

e. Well development method Air Developed How long was well developed? 26.00

f. Was a filter/gravel pack installed? ☐ Yes ☒ No Size of sand/gravel _____

Filter/gravel pack installed from _____ ft. to _____ ft.

g. Was surface casing used? ☒ Yes ☐ No Was it cemented in place? ☒ Yes ☐ No

Surface casing installed from 0 ft. to 38.00 ft.

7. NAME AND ADDRESS OF DRILLING COMPANY GARY'S DRILLING INC 5407 POWMER RD

8. DATE OF COMPLETION OF WELL (including pump installation) OR SPRING (first used) 09/23/10

9. PUMP INFORMATION Manufacturer GOULDS Type Submersible

Source of power Electricity Horsepower 10 Depth of pump setting or intake 220 ft.

Amount of water being pumped 25 gal./min. (For springs or flowing wells, see item 10)

Total volumetric quantity used per calendar year 3 acre-feet

10. FLOWING WELL OR SPRING (Owner is responsible for control of flowing well)

If artesian flow or spring, yield is 0 gal./min. Surface pressure is _____ lb./sq.inch, or _____ feet of water.

The flow is controlled by: ☐ Valve ☐ Cap ☐ Plug

- Land surface elevation (ft. above mean sea level) _____ Datum ☐ 1929 ☐ 1988
How determined ☐ Map ☐ Altimeter ☐ Survey ☐ Other

[illegible]

Does a chemical and/or bacteriological water quality analysis accompany this form? ☐ Yes ☒ No

It is recommended that chemical and bacteriologic water quality analyses be performed and that the report(s) be filed with the records of this well (contact Department of Agriculture, Analytical Lab Services, Laramie, 742-2984).

If not, do you consider the water as ☐ Good ☒ Acceptable ☐ Poor ☐ Unusable

REMARKS

NATIONAL PARK SERVICE

Signature of Owner or Authorized Agent

Date _____

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Permit No. U.W. 182739

Date of Receipt January 20, 2011

Date of Approval March 10, 2011

Date of Priority June 1, 2007

Patrick T. Tyrrell, State Engineer

Sept 23, 2010 Pump test Pump set @ 168

Rump Amps L1 (13.7) L2 (13.0) L3 (12.7) 4.5% 45' static

Time	Pumping static	GPM			
4:20	79' 8"	79.1	10:00	87' 5"	76.4
4:21	83'	78.5	11:00	87' 5 1/2"	76.4
4:22	85' 6"	72.7	12:00 PM	87' 6 1/2"	76.4
4:25	86"	72.3	1:00 AM	87' 7 1/2"	76.4
4:27	86' 3"	77.3	2:00 AM	87' 8 1/2"	76.4
4:28	86' 3"	77.3	3:00 AM	87' 9 1/2"	76.4
4:30	86' 3"	77.3	4:00 AM	87' 9 1/2"	76.4
4:32	86' 4"	77.3	5:00 AM	87' 10"	76.4
4:34	86' 5"	77.3	6:00 AM	87' 10"	76.4
4:36	86' 6"	77.3	7:00 AM	87' 10 1/2"	76.4
4:40	86' 6"	77.3	8:00 AM	87' 10"	76.4
4:42	86' 6"	77.3	9:00 AM	87' 10"	76.4
4:45	86' 6 1/2"	77.3	10:00 AM	87' 10"	76.4
4:52	86' 7"	77.3	11:00 AM	87' 10"	76.4
5:00	86' 7 1/2"	77.3	12:00 AM	87' 10"	76.4
5:15	86' 9"	77.0	1:00 PM	87' 10"	76.4
5:30	86' 10 1/2"	76.4	2:00 PM	87' 10"	76.4
5:45	86' 11"	76.4	3:00 PM	87' 10"	76.4
6:00	86' 11 1/2"	76.4	4:00 PM	87' 10"	76.4
6:15	87'	76.4	4:20 PM	87' 10"	76.4
6:30	87' 1"	76.4			
6:45	87' 1 1/2"	76.4			
7:00	87' 1 1/2"	76.4			
7:15	87' 1 1/2"	76.4			
7:30	87' 1 1/2"	76.4			
7:45	87' 2 1/2"	76.4			
8:00	87' 2 1/2"	76.4			
9:00 PM	87' 3 1/2"	76.4			

