Cottonwood Camp Ground

STATE OF NORTH DAKOTA

BOARD OF WATER WELL CONTRACTORS

900 E. BOULEVARD • BISMARCK, NORTH DAKOTA 58501

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Board of Water Well Contractors within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name U.S. National Park Service

Address Theodore Roosevelt National Park Medora, N. D. 58645

2. WELL LOCATION

Sketch map location must agree with written location.

Permit #3680

NORTH

1 Mile

County Billings

SW ¼ SW ¼ ¼ Sec. 10 Twp. 140 N. Rg. 102 W.

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Industrial
☐ Stock ☒ Municipal ☐ Test Hole

4. METHOD DRILLED

☐ Cable ☐ Reverse Rotary ☐ Bored
☒ Forward Rotary ☐ Jetted ☐ Other

If other, specify

5. WATER QUALITY

Was a water sample collected for chemical analysis?

☒ Yes ☐ No

If so, to what laboratory was it sent State

6. WELL CONSTRUCTION

Diameter of hole 12¼ inches. Depth 1165 feet.

Casing: ☒ Steel ☐ Plastic ☐ Concrete
☒ Threaded ☐ Welded ☐ Other

If other, specify

Pipe Weight:	Diameter:	From:	To:
28 lb/ft.	8 inches	0 feet	1165 feet
lb/ft.	inches	feet	feet
lb/ft.	inches	feet	feet
lb/ft.	inches	feet	feet

Was perforated pipe used? ☐ Yes ☒ No

Length of pipe perforated feet

Was casing left open end? ☐ Yes ☒ No

Was a well screened installed? ☒ Yes ☐ No

Material Stainless Diameter 4 inches
(stainless steel, bronze, etc.)

Slot size 20 set from 1155 feet to 1180 feet

Slot size 20 set from 1185 feet to 1210 feet

Slot size 20 set from 1230 feet to 1240 feet

Slot size 20 set from 1265 feet to 1280 feet

Was a packer or seal used? ☐ Yes ☒ No

If so, what material

Type of well: Straight screen ☒ Gravel packed ☐

Was the well grouted? Yes ☒ No ☐

To what depth? 1165 feet

Material used in grouting Halliburton Cement

Well head completion: Pitless adapter No

12" above grade Yes Other

If other, specify

Was well disinfected upon completion? ☒ Yes ☐ No

7. WATER LEVEL

Static water level flowing feet below land surface

If flowing: closed-in pressure 50 psi

GPM flow 42 through 2" inch pipe

Controlled by: ☒ Valve ☐ Reducers ☐ Other

If other, specify

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Other

Pumping level below land surface:

ft. after hrs. pumping gpm

ft. after hrs. pumping gpm

ft. after hrs. pumping gpm

9. WELL LOG

Formation	Depth (ft.) From	Depth (ft.) To
See attached log.		

(Use separate sheet if necessary.)

10. DATE COMPLETED June 21, 1984

11. WAS WELL PLUGGED OR ABANDONED?

☐ Yes ☐ No

If so, how

12. REMARKS:

61' of 14" steel surface casing set and cemented

13. DRILLER'S CERTIFICATION

This well was drilled under my jurisdiction and this report is true to the best of my knowledge.

Gregory Drilling, Inc. 144

Driller's or Firm's Name Certificate No.

1059 2nd Ave E. Dickinson, ND

Address

Lawrence N. Gregory 6/21/84

Signed by X Date

WHITE—DRILLER'S COPY YELLOW—BOARD'S COPY PINK—CUSTOMER'S COPY

Gregory Drilling Co.
1059 2nd AVENUE EAST · DICKINSON, NORTH DAKOTA 58601 · (701) 227-0320

U.S. National Park Service
Theodore Roosevelt National Park
Medora, North Dakota 58645

Cottonwood Park
Water Well No. 2
Water Permit No. 3680
SW$\frac{1}{4}$ SE$\frac{1}{4}$ Sec. 10, TWP. 140N, Rge. 102W Billings County, N.D.

0	15	Brown sand (loose)
15	18	Shale
18	35	Sandy shale (Old River Bed, pieces of wood logs)
35	37	Coal
37	40	Shale, sandy
40	61	Gray shale
61	90	Gray shale
90	120	Sand, soft
120	150	Shale
150	180	Coal
180	212	Shale
212	225	Sand
225	415	Shale
415	416	Sandstone
416	443	Shale
443	444	Sandstone
444	462	Shale
462	464	Sandstone
464	515	Shale
515	525	Soft, shale
525	551	Shale
551	552	Sandstone
552	574	Shale
574	575	Sandstone
575	592	Shale
592	605	Soft shale, sandy
605	650	Shale
650	651	Sandstone
651	675	Shale w/coal layers
675	702	Shale sandy, soft
702	703	Sandstone
703	730	Shale
730	731	Sandstone
731	755	Shale
755	762	Coal w/shale layers
762	795	Shale
795	796	Sandstone
796	840	Shale
840	841	Sandstone
841	890	Shale
890	907	Shale, sandy
907	910	Sandstone
910	938	Shale
938	953	Sandy shale

Gregory Drilling Co.
1059 2nd AVENUE EAST - DICKINSON, NORTH DAKOTA 58601 - (701) 227-0320

953	978	Shale
978	987	Sandy shale
987	989	Sandstone
989	995	Shale
995	1005	Sandy shale
1005	1065	Shale
1065	1080	Sandy clay, lt. green
1080	1096	Shale
1096	1121	Sandy shale
1121	1125	Sandstone
1125	1130	Shale, lt. gray
1130	1131	Sandstone
1131	1151	Sandy shale
1151	1165	Shale, gray
1165	1173	Shale, brown
1173	1186	Coal
1186	1268	Sandy shale
1268	1269	Sandstone
1269	1274	Sandy shale
1274	1275	Limestone
1275	1284	Shale, sandy
1284	1286	Coal
1286	1292	Dark brown shale
1292	1293	Rock
1293	1304	Sandy shale
1304	1305	Limestone
1305	1333	Sandy shale
1333	1334	Sandstone
1334	1341	Shale, gray
1341	1385	Shale, dk. brown