STATE OF NORTH DAKOTA

BOARD OF WATER WELL CONTRACTORS

900 E. BOULEVARD AVE., DEPT. 770 • BISMARCK, NORTH DAKOTA 58505-0850

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: Theodore Roosevelt National Park

Address: 315 2nd AVE Medora, ND

2. WELL LOCATION

Juniper Campground

Sketch map location must agree with written location.

NORTH

1 MILE

X

Sec. (1 mile) _____

County: McKenzie

SW 1/4 NE 1/4 ____ 1/4 Sec. 31 Twp. 148 N. Rg 99 W.

3. PROPOSED USE

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

4. METHOD DRILLED

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

If other, specify _____

5. WATER QUALITY

Was a water sample collected for:

Chemical Analysis? ☐ Yes ☒ No

Bacteriological Analysis? ☐ Yes ☒ No

If so, to what laboratory was it sent? _____

6. WELL CONSTRUCTION

Diameter of hole 9 7/8 inches. Depth 430 feet.

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

If other, specify _____

Pipe Weight:	Diameter:	From:	To:
SDR17 lb/ft	5 inches	+1 feet	380 feet
SDR17 lb/ft	5 inches	420 feet	430 feet
____ lb/ft	____ inches	____ feet	____ feet

Was perforated pipe used? ☐ Yes ☒ No

Perforated pipe set from ____ ft. to ____ feet

Was casing left open end? ☐ Yes ☒ No

Was a well screen installed? ☒ Yes ☐ No

Material PVC SDR17 - 250 PSI Diameter 5 inches

Slot Size 16 set from 380 feet to 420 feet

Slot Size ____ set from ____ feet to ____ feet

Was packer or seal used? ☒ Yes ☐ No

If so, what material Bentonite Grout Depth 357 ft.

Type of well: Straight screen ☐ Gravel packed ☒ Sand 16-30

Depth grouted: From 0 To 357

Grouting Material: Cement ____ Other Bentonite

If other, explain: pumped down with tremie pipe

Well head completion: Pitless unit Yes.

12" above grade Yes. Other _____

If other, specify _____

Was pump installed? ☒ Yes ☐ No

Was well disinfected upon completion? ☒ Yes ☐ No

7. WATER LEVEL

Static water level 44 feet below surface

If flowing: closed-in pressure _____ psi

GPM flow _____ through ____ inch pipe

Controlled by: ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Other Air Lift.

Pumping level below land surface:

260 ft. after 1 hrs. pumping 25 gpm

140 ft. after 1 hrs. pumping 12 gpm

100 ft. after 1 hrs. pumping 10 gpm

Pumping 130 / hr. 11 gpm Drawdown to 63'

9. WELL LOG

Formation	Depth (ft.) From	Depth (ft.) To
Sandy Clay Brown	0	50
Rock. Sandstone	50	54
Sandy Clay Brown	54	72
Sandy Clay Gray	72	94
Clay Gray	94	97
Coal	97	101
Shale Gray	101	153
Rock Sandstone	153	155
Shale Gray	155	194
Coal	194	209
Clay Sandy Gray	209	231
Shale Gray	231	245
Coal	245	250
Shale Gray	250	275
Sand Gray fine	275	290
Shale Gray	290	370
Sand Gray fine	370	425
Shale Gray	425	430

(Use separate sheet if necessary)

10. DATE COMPLETED

4-7-04

11. WAS WELL PLUGGED OR ABANDONED?

☐ Yes ☒ No

If so, how _____

12. REMARKS:

13. DRILLER'S CERTIFICATION

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

Gregory Water & Energy Inc. 154

Driller's or Firm's Name — Certificate No.

940 N. Ridge Dr. #206 Dickinson ND

Address

Terry Gregory 5-9-04

Signed by — Date

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