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 Delmer Hiltzke

Address Lemmon, S. Dak. 57638

2. WELL LOCATION

Sketch map location must agree with written location.

NORTH

1 MILE

Sec. (1 mile) ____

County Sioux

____¼ ____¼ NE¼ Sec. 29 Twp. 129 N. Rg 90 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:

Chemcial Analysis? ☐ Yes ☐ No

Bacteriological Analysis? ☒ Yes ☐ No

If so, to what laboratory was it sent? ____

6. WELL CONSTRUCTION

Diameter of hole 6¼ inches. Depth 320 feet. 8" set to 130

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

If other, specify ____

Pipe Weight:	Diameter:	From:	To:
250# lb/ft	4½" inches	0 feet	320 feet
____ lb/ft	____ inches	____ feet	____ feet
____ lb/ft	____ inches	____ feet	____ feet

Was perforated pipe used? ☒ Yes ☐ No

Slotted Casing

Perforated pipe set from 280 ft to 320 feet

Was casing left open end? ☒ Yes ☐ No

Was a well screened installed? ☐ Yes ☒ No

Material ____ Diameter ____ inches

Slot Size ____ set from ____ feet to ____ feet

Slot Size ____ set from ____ feet to ____ feet

Was packer or seal used? ☒ Yes ☐ No

If so, what material Rubber Depth 120 ft.

(stainless steel, bronze, etc.)

Type of well: Straight screen ☒ Gravel packed ☐

Depth grouted: From 30' To ground

Grouting Material: Cement ____ Other ✓

If other explain: Drill cuttings from 120 to 30

30 to ground Bentonite chips

Well head completion: Pitless unit ____

12" above grade X Other ____

If other, specify ____

Was pump installed: ☒ Yes ☐ No

Was well disinfected upon completion? ☒ Yes ☐ No

7. WATER LEVEL

Static water level 160 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

Pumping level below land surface:

210 ft. after 20 hrs. pumping 6 gpm

____ ft. after ____ hrs. pumping ____ gpm

____ ft. after ____ hrs. pumping ____ gpm

9. WELL LOG

Formation	Depth (ft.) From	To
Brown sand	0	12
Rock	12	13
Brown sand	13	32
Rock	32	33½
Sand	33½	49
Rock	49	50
sand	50	85
Rock	85	86
sand	86	95
Gray shale	95	140
Rock	140	142
Sandy shale	142	170
Rock	170	171½
Gray shale	171½	220
Sandy shale	220	230
Gray shale	230	260
Sandy shale	260	280
Water Sand	280	320

(Use separate sheet if necessary)

10. DATE COMPLETED 3-30-99

11. WAS WELL PLUGGED OR ABANDONED?

☐ Yes ☒ No

If so, how ____

12. REMARKS:

Drilled on a slope.

13. DRILLER'S CERTIFICATION

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

Larry Ellis Well Drilling 83

Driller's or Firm's Name Certificate No

HC 81 Box 147A Morristown, S. Dak. 57645

Address

Larry Ellis 4-4-99

Signed by Date

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