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: Orville & Helandsaas

Address: Watford City ND 58854

2. WELL LOCATION

Sketch map location must agree with written location.

NORTH

1 MILE

Sec. (1 mile)

County: McKenzie

SW 1/4 NE 1/4 NE 1/4 Sec. 20 Twp. 153 N. Rg 97 W.

3. PROPOSED USE

- [x] Domestic
- [ ] Stock
- [ ] Geothermal
- [ ] Irrigation
- [ ] Municipal
- [ ] Monitoring
- [ ] Industrial
- [ ] Test Hole

4. METHOD DRILLED

- [ ] Cable
- [x] Forward Rotary
- [ ] Reverse Rotary
- [ ] Jetted
- [ ] Bored
- [ ] Auger

If other, specify _____

5. WATER QUALITY

Was a water sample collected for:

Chemcial Analysis? [ ] Yes [x] No

Bacteriological Analysis? [ ] Yes [x] No

If so, to what laboratory was it sent? _____

6. WELL CONSTRUCTION

Diameter of hole 8.75 inches. Depth 195 feet.

Casing: [ ] Steel [x] Plastic [ ] Concrete [ ] Threaded [ ] Welded [ ] Other

If other, specify _____

Pipe Weight:	Diameter:	From:	To:
____ lb/ft	____ inches	____ feet	____ feet
____ lb/ft	____ inches	____ feet	____ feet
____ lb/ft	____ inches	____ feet	____ feet

Was perforated pipe used? [x] Yes [ ] No

Perforated pipe set from 173 ft to 193 feet

Was casing left open end? [x] Yes [ ] No

Was a well screened installed? [ ] Yes [ ] No

Material PVC Diameter 5 inches

Slot Size 016 set from 173 feet to 193 feet

Slot Size _____ set from _____ feet to _____ feet

Was packer or seal used? [ ] Yes [ ] No

If so, what material _____ Depth _____ ft.

(stainless steel, bronze, etc.)

Type of well: Straight screen [ ] Gravel packed [x]

Depth grouted: From 30 To Surface

Grouting Material: Cement _____ Other ✓

If other explain: High Yield Bentonite

Well head completion: Pitless unit ✓

12" above grade _____ Other _____

If other, specify _____

Was pump installed: [x] Yes [ ] No

Was well disinfected upon completion? [x] Yes [ ] No

7. WATER LEVEL

Static water level 90 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

[x] Pump [ ] Bailer [ ] Other

Pumping level below land surface:

180 ft. after 24 hrs. pumping 10 gpm

____ ft. after ____ hrs. pumping ____ gpm

____ ft. after ____ hrs. pumping ____ gpm

9. WELL LOG

Formation	Depth (ft.) From	Depth (ft.) To
Clay with Sandy Gravel	Surface	30
Sandy with Coal Slack	30	45
Sticky Clay Yellow	45	90
Clay with Coal Stringers	90	105
Coal	105	120
Clay Grey	120	135
Sand Grey/Blue	135	190
Red Rock	190	192
Clay Shale	192	195

(Use separate sheet if necessary)

10. DATE COMPLETED 11-6-88

11. WAS WELL PLUGGED OR ABANDONED?

[ ] Yes [x] 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.

Dennis Bingeman — 168

Driller's or Firm's Name — Certificate No

PO Box 412 Watford City ND

Address

[signature] — 12-8-88

Signed by — Date

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