

73B/1 SRC 1972

BLUCHER

SW4-27-35-2-W3

PRODUCTION WELL 4

ELK POINT DRILLING LTD

EDMONTON, ALTA.

NORTH BATTLEFORD, SASK.

DRILLERS: PETER MAIK

JOHN SOLONINKO

COMPLETION RECORD

1 54-C Jacuzzi submersible pump installed on 1 1/2" galvanized drop pipe

15.9' top casing to pitless adapter

22.0 1 1/2" drop pipe

2.5 Top of pump to intake

40.4 Depth to pump intake below top of casing.

CASING JOINTS IN ORDER OF RUNNING IN.

① 21.10

② 19.00

③ 22.00

④ 22.07

⑤ 22.25

⑥ 19.45 Non-pumping water level -5.95' @ 0130 Oct 20/72

⑦ 16.20 Top end telescoped inside 7" casing & welded.

⑧ 15.00 7" casing 20 lb/ft, female thread up

157.07 TOTAL CASING

DEPTH

0

4

6

8

10

12

14

16

18

19.8

150

152

154

156

156.55

157.07

Sand coarse to coarse stained, clean, subangular to subrounded; subangular igneous & metamorphic rx striated carbonates qtz & chert in part, gravelly granules & pebbles to 10mm

Sand medium to coarse stained subangular to subrounded

Sand, medium grained, stained some coal

Water remained exceptionally clean throughout drilling out the completion zone.

GEOLOGY & COMPIATION BY
Gordon M. Peng, Oct 20/72 166.10

ELEVATION

1766.63

7" O.D. 20 lb/ft insert joint water well casing.

55" O.D. 188 wall steel insert joint water well casing from 15.0' down

Casing cemented with 17.5% 4% bentonite-cement grout. No surface return. Cement encountered 4' above casing bottom. Soft, green cement cuttings recovered

3/4" galvanized pipe to house pump wiring. Note bar fitting across well at 14.5' to force pipe against casing.

NOTE: To Remove Pump

1. Stab 1" phi pipe into bushing on pitless adapter. Pitless adapter is situated directly below welded nubbin on north side of 7" casing.
2. Lift pump, disengage pump cable conduit and remove both together.
3. DO NOT REMOVE OUTLET PIPE WITHOUT FIRST BLANKING OFF PITLESS ADAPTER INSIDE THE WELL. ESTIMATED FLOW FROM ADAPTER OUTLET ~1100 gpm.

NOTE: 1" galvanized bushing set in upper thread on pitless adapter

1590.73 1 1/2" Pitless adapter (mass)

Top of casing to center of cap on outlet = 15.9'

1 1/2" drop-pipe (galvanized)

Attempted to land screen by free-fall method. Unsuccessful.

Retrieve screen, install washdown valve wash screen into position hole taking water freely.

Jet with water much fine sand but water does not muddy

Develop by air-lift pumping @ 200-300 gpm

Much fine sand produced but water cleared up quickly.

Initial specific capacity @ 27.3 gpm for 30 min. = 14.1 gpm/ft.

1530.08 Lead packer

1549.56 Reducing bushing

9" telescope size stainless steel Johnson well screen .015" slot 1NF threaded end connections Nominal length 4 ft.

4" phi telescope size stainless steel Johnson well screen .012" slot 1NF threaded end connections. Nominal length 4 ft.

Washdown valve threaded into base of lower screen.

1540.53