720/11 SSRIP 1971

CONQUEST NO. 500

SW13-14-30-9-W3

OBSERVATION WELL

ELK POINT DRILLING LTD.
EDMONTON, ALTA.
NORTH BATTLEFORD, SASK.

DRILLERS: PETER MAIK
JOHN SOLONINKO

SURVEYED LOCATION
62' E & 1032' S OF
NW CORNER SECTION 14

COMPLETION RECORD

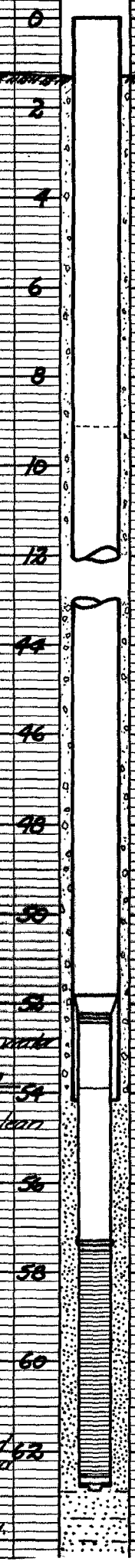
SEE SSRIP CONQUEST No. 54 FOR ELECTRIC LOG & STRATIGRAPHIC SETTING.

WELL COMPLETED NOV. 25, 1971.

WELL PLUMBED WITH 5" ϕ FLOAT. ALIGNMENT OK TO TOP OF PACKER. PLUMBED WITH 3" ϕ FLOAT INSIDE 6" ϕ EXTENSION CASING. ALIGNMENT OK.

WATER LEVEL MEASUREMENTS ARE REFERENCED TO TOP OF 7" CASING ELEVATION 1819 ft from top map.

SURVEYED 1821.53' TOP OF CASING
1820.1 GROUND



TOTAL DEPTH FROM TOP OF CASING ~~PACKER~~ TO INSIDE BOTTOM OF SCREEN MEASURED FOLLOWING INSTALLATION = 62.85 ft.

Casing joints @ 9.15
23.38
39.38

7" ϕ OD insert joint casing
ID = 6.46', 20 lb./ft

Casing cemented with 4% bentonite/cement grout circulated through casing. Good return to surface. Cement line felt 3 ft inside casing on drillout.

Landed 4" ϕ telescope size screen 0.007" slot, bottom @ 58 ft (ground datum)
WL 52.95 ft below casing @ 1525 Nov. 23/71.

Remove screen, mill out landing ring to take 6" telescope screen assembly.

Install screen, develop by pumping and backwashing. Agitate water in screen w/ air for 20 minutes. Little fine material removed. Treat w/ 100 gal water w/ 1 lb SAPP added. Wait one hour. Pump out. No improvement. Pump overnight.

Lead packer body 4.875" ID. Packer swedged to 7" casing.

Landing ring initially built to retain 4" telescope screen. Milled out to accept 6" telescope screen assembly.

Drill out below casing w/ clean water
WATER LEVEL 53.95 Nov 23/71
SCREEN BASE @ 59.16

Sand, fine grained stained, subangular to subrounded, clean with thin interbeds of silty clay.

6" O.D. steel casing
ID = 5.625"

5" half-coupling welded to base of extension

6" ϕ telescope size, stainless steel well screen, nominal length 5 ft, 0.007" slot size, MF threaded end connections. 4.875" ID

Sand, very fine to fine grained silty, with more interbedded silty clay, stained

5" black iron plug bottom

TOTAL DEPTH 62.85 ft.

GEOLOGY AND COMPILATION BY
W.A. Mendez P.Eng. Nov. 26, 1971.