

CANADIAN STRATIGRAPHIC SERVICE LTD.

(C)



Log No. NWT-239 Net Footage 1405

Province NORTHWEST TERRITORIES

Well Name IOE PROVIDENCE A-47

Location N61° 26' 14" W117° 22' 33"

Area (W)
Commenced Mar. 11, 1968
Completed Mar. 22, 1968
Initial Production D & A

Elevation KB 539
GR
Total Depth 1655
Producing Intervals

Oldest Fm Casing 4" @ 102'
Precambrian 2 3/8" @ 1654'

Mechanical Control Used To Adjust Lithology:
IES 250-T.D.

Sample Quality:
Fair

Remarks:

Studied by No. 12 8-70

ELECTRICAL AND/OR RADIOACTIVITY DATA

ELECTRICAL RUN 1 RUN 2
Scale: SP MV per division
Scale: Resist and Spacing (OHMS M/M)
Mud Nature GEL
CHEM
Mud Resistivity BHT 3.64 @
80° F
Bit Size 8 3/4"

RADIOACTIVITY GAMMA RAY NEUTRON

Neutron Source, Strength and Type

Source Spacing Inches

Time Constant Seconds

Remarks:
The mechanical control on this log is shown for correlation only and should not be used for engineering computations.

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When Dual Induction log is used, the resistivity curve on the original E-Log may or may not have been run on a Logarithmic scale.

FORMATION TOPS, FOOTNOTES, SHOWS	POROSITY TYPES	POROSITY GRADES	LITHOLOGY	CRYSTAL GRAIN OR FRAGMENT SIZE	ROUNDING DIAG. TYPE	PERCENT OF FRAMEWORK	DESCRIPTION	SUGGESTED ENVIRONMENT
1	2	3	4	5	6	7	8	9

200								Spl Study Starts @ 250' in Lower Ireton
Dli								Sh gy-gn, grdg to mrlst
300								Ls brn-gy
								Sltst lt gy, v calc Gy/brn patch
400								Ls lt gy pt slty
								Sh lt gn wxy; ls gy
								Mrlst gn-gy
								Dk brn, v calc
								Ls gy, tr fos
								intbd, gn sh
								pt grdg to mrlst
500								
97								
Dop								Sh dk brn flky
600								Ls lt gy pt arg
								Gy-gn/bnd dk
								gy sh, tr flsh
								rnn
								Brn-gy/bnd
								brn sh splty,
								sl calc
700								
								Sh gn-gy pt
								grdg to mrlst
								/bnd dk gy sh
								Sh dk gy
								Lt brn to lt gy
								pt v arg
								Gn-gy pt mrlst
								Lt brn v arg
800								
								Mrlst lt gn-gy
								Sh gn-gy calc
								Dk gy, sl calc
								Gn-gy
								Ls lt brn
								Gn-gy, grdg to
								mrlst; Dk gy, sl
								calc tr hem
900								
								Ls lt brn-gy, arg
								/strg gn-gy ch
								& mrlst
								calc, frag
								Dk gy hem
								pt fls; Dk brn/
								Spr/bnd dk gy
1000								
35								Gn-gy/dism
Deg								pyr pt calc
								Ls brn pt/Grin
								v arg; Sh dk brn
								Brn/Grin & lent
								frag, v arg
1100								
								Sh dk brn v bit
								Dk brn/bioc deb
								sl bit, Grin Brac
								Sh dk brn bit v calc
								Brn arg pt frac
								/clr calc cmt
								pt/Brac & Grin
								Sh gn pyr, v calc
								Lt brn tr thn frac
1200								
								Brn/tr Stylolite
								pel & Gasph, sl frac
								& lchd; clr calc cmt
								pt/styl
56								
Dek								Dol brn arg pt
								lchd
								Dol dk brn; Anhy lt
								brn-gy; Brn/tr pel
								Anhy lt brn-gy
								Sh gn intbd/brn
								dol
								Anhy lt gy, pt chk
								intbd/brn dol, pt
								arg/strg gn sh
1300								
88								
Dle								
								Dol li brn/incl
								anhy strg gn-gy
								sh bnd lt gy anhy
								intbd lt brn dol
								& gy-gn sh/lt
								gy to wh anhy
								Anhy pk to lt gy/bnd
								red sh; mrlst brn-red
								anhy; Anhy lt gy
								Dol brn-red, arg
								intbd/pk anhy & red
								sh
								Dol brn-orange, shy
								Anhy pk to lt gy
								Brn-red, pt grdg
								to mrlst; Anhy pk
								to lt gy
								Sh gn; Dol brn arg
								Sh gn intbd/red
								Grnt dk brn-red
								Fe mnrl hornbd
								Pk, fld qtz blot
1600								
15								
pG								
1700								
								T.D. Dlr 1655
								T.D. Mach Log 1655
								T.D. Spl 1655

INFORMATION SUMMARY

SUMMARY OF ABBREVIATIONS
ELEV. 539 KB

DEVONIAN
Dli Lower Ireton Spl Start
Dop Otter Park 597
Deg Muskeg 1035
Dek Keg River 1256
Dle Lower Elk Point 1288

PRECAMBRIAN
pG Precambrian 1615

DRILL STEM TESTS

None Reported

CORED INTERVALS

None Reported

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