SIMON PETROLEUM TECHNOLOGY

WELL: 2/11-5

Print: 786G	Units: [✓ M] F	Top	Bottom	Scale	TD
Length: 22.5 FT	Initials: IM	160	2945	1:500	2947

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

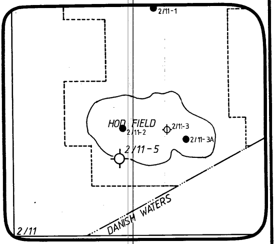
Amoco Norway Oil Co.

COMPOSITE WELL LOG
Metric Scale: 1 : 500

2/11-5

AREA: OFFSHORE NORWAY
LOCATION: 56°09'57.7"N, 03°26'06.4"E
RIG: DYVI ALPHA
MUDLOGGING SERVICE: THE ANALYST
SPUD DATE: 18 MAY 1979
INITIAL STATUS: HOD FIELD DELINEATION WELL
COMPLETION DATE: 6 JULY 1979
FINAL STATUS: P & A AS A DRY HOLE
K.B. ELEVATION: 25.0 M
WATER DEPTH: 72.0 M
TOTAL DEPH: 2947 M

WELL SITE GEOLOGISTS: C.RUBLE, O.BEYER, O.RONG



LEGEND

- Breccia
- Gravel / Conglomerate
- Sand / Sandstone
- Silt / Siltstone
- Clay Claystone
- Shale
- Limestone
- Dolomite

- Marl
- Chalk
- Arenaceous
- Dolomitic
- Calcareous
- Tuff
- Coal
- Chert

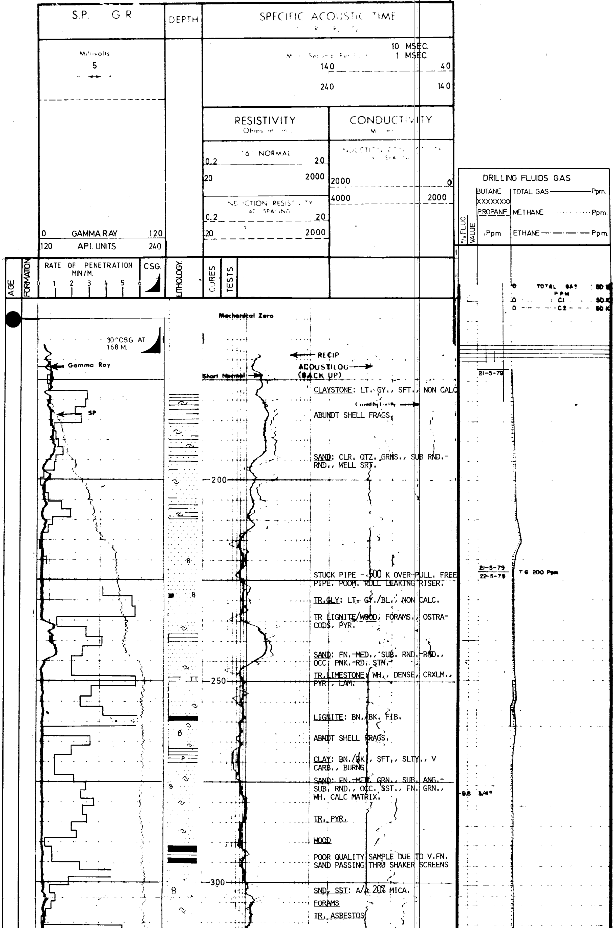
- Gypsum
- Anhydrite
- Rock salt
- K salt Mg salt
- Gneiss
- Granite
- Basalt
- Shist

- Cored section
- Casing seat
- Perforations
- Side wall core
- Plug back TD
- Drill stem test

- algae
- corals
- foraminifera (general)
- gastropods
- nummulites
- plant remains
- shell debris
- stromatoporoids

- crinoids
- foraminifera
- graptolites
- ostracods
- pollen
- spicules
- wood, silicified

- ▲ chert
- feldspar
- k [illegible]
- coprolites
- fish remains (general)
- fusulinids
- microfossils (general)
- pelecypods
- shark teeth
- spores



CLAYSTONE: LT. GY., SFT., NON CALC

ABUNDT SHELL FRAGS.

SAND: CLR. QTZ. GRNS., SUB RND.-RND., WELL SRT.

STUCK PIPE - 500 K OVER-PULL. FREE PIPE. POOH. PULL LEAKING RISER.

TR.CLY: LT. GY./BL., NON CALC.

TR LIGNITE/WOOD, FORAMS., OSTRACODS, PYR.

SAND: FN.-MED., SUB. RND.-RND., OCC. PNK.-RD. STN.

TR.LIMESTONE: WH., DENSE, CRXLM., PYR., LAM.

LIGNITE: BN./BK. FIB.

ABNDT SHELL FRAGS.

CLAY: BN./BK., SFT., SLTY., V CARB., BURNS

SAND: FN.-MED. GRN., SUB. ANG.-SUB. RND., OCC. SST., FN. GRN., WH. CALC MATRIX.

TR. PYR.

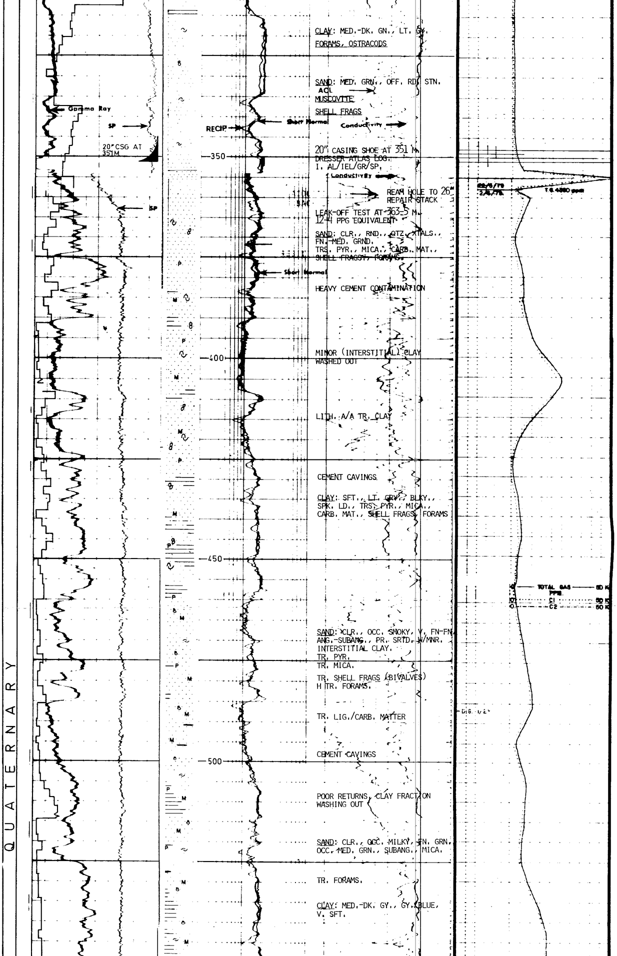
WOOD

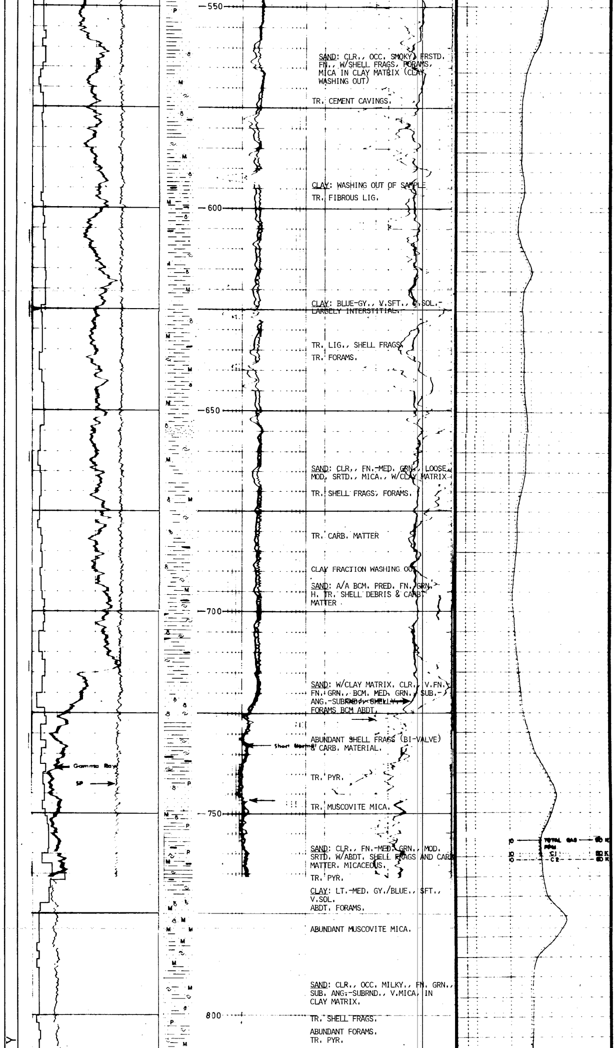
POOR QUALITY SAMPLE DUE TO V.FN. SAND PASSING THRU SHAKER SCREENS

SND, SST: A/A 20% MICA.

FORAMS

TR. ASBESTOS





SAND: CLR., OCC. SMOKY, FRSTD. FN., W/SHELL FRAGS, FORAMS, MICA IN CLAY MATRIX (CLAY WASHING OUT)

TR. CEMENT CAVINGS.

CLAY: WASHING OUT OF SAMPLE

TR. FIBROUS LIG.

CLAY: BLUE-GY., V.SFT., V.SOL.-LARGELY INTERSTITIAL.

TR. LIG., SHELL FRAGS.

TR. FORAMS.

SAND: CLR., FN.-MED. GRN., LOOSE, MOD. SRTD., MICA., W/CLAY MATRIX

TR. SHELL FRAGS, FORAMS.

TR. CARB. MATTER

CLAY FRACTION WASHING OUT

SAND: A/A BCM. PRED. FN. GRN. H. TR. SHELL DEBRIS & CARB. MATTER

SAND: W/CLAY MATRIX. CLR., V.FN.-FN. GRN., BCM. MED. GRN., SUB.-ANG.-SUBRND., SHELLY FORAMS BCM ABDT.

ABUNDANT SHELL FRAGS (BI-VALVE) & CARB. MATERIAL.

TR. PYR.

TR. MUSCOVITE MICA.

SAND: CLR., FN.-MED. GRN., MOD. SRTD. W/ABDT. SHELL FRAGS AND CARB. MATTER. MICACEOUS.

TR. PYR.

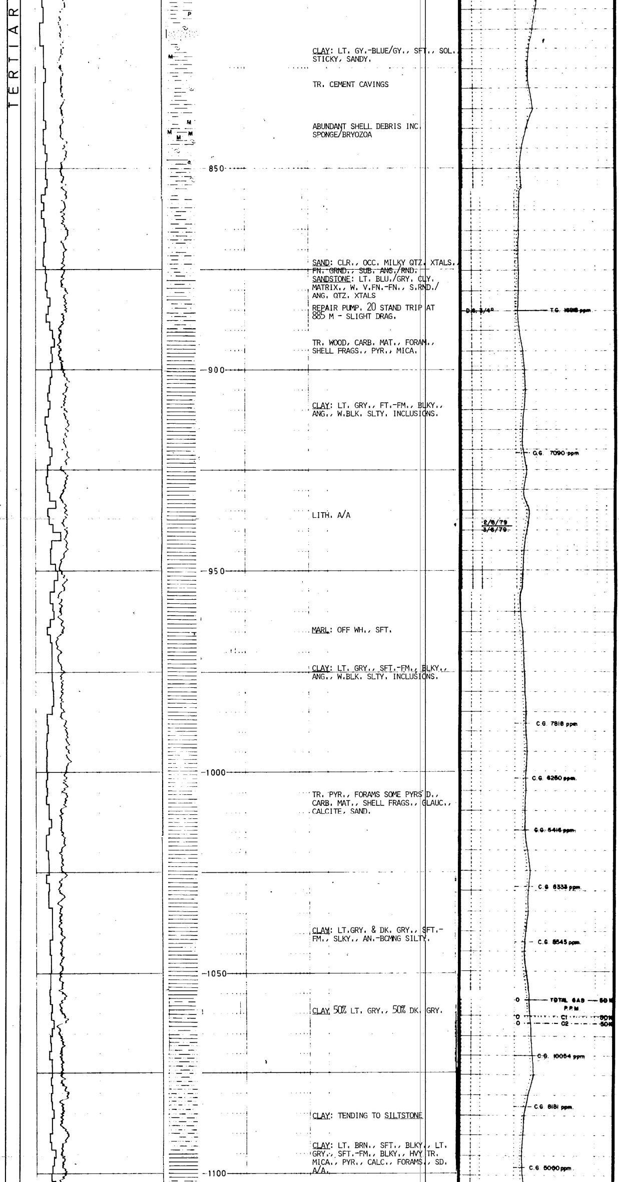
CLAY: LT.-MED. GY./BLUE., SFT., V.SOL.
ABDT. FORAMS.

ABUNDANT MUSCOVITE MICA.

SAND: CLR., OCC. MILKY., FN. GRN., SUB. ANG.-SUBRND., V.MICA, IN CLAY MATRIX.

TR. SHELL FRAGS.

ABUNDANT FORAMS.
TR. PYR.



CLAY: LT. GY.-BLUE/GY., SFT., SOL. STICKY, SANDY.

TR. CEMENT CAVINGS

ABUNDANT SHELL DEBRIS INC. SPONGE/BRYOZOA

SAND: CLR., OCC. MILKY QTZ. XTALS. FN. GRND., SUB. ANG./RND.

SANDSTONE: LT. BLU./GRY. CLY. MATRIX., W. V.FN.-FN., S.RND./ ANG. QTZ. XTALS

REPAIR PUMP. 20 STAND TRIP AT 885 M - SLIGHT DRAG.

TR. WOOD, CARB. MAT., FORAM., SHELL FRAGS., PYR., MICA.

CLAY: LT. GRY., FT.-FM., BLKY., ANG., W.BLK. SLTY. INCLUSIONS.

LITH. A/A

MARL: OFF WH., SFT.

CLAY: LT. GRY., SFT.-FM., BLKY., ANG., W.BLK. SLTY. INCLUSIONS.

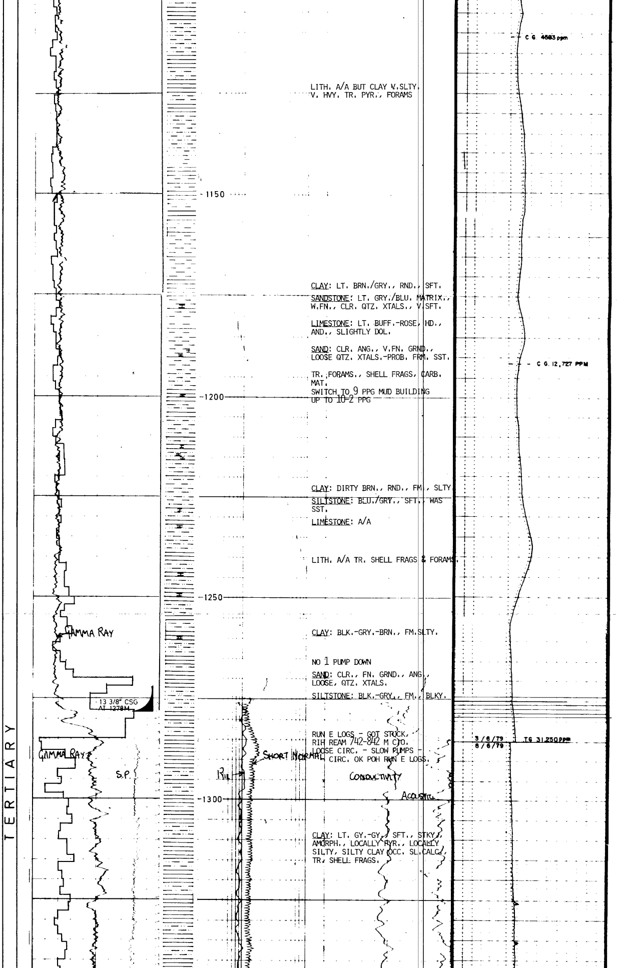
TR. PYR., FORAMS SOME PYRS D., CARB. MAT., SHELL FRAGS., GLAUC., CALCITE, SAND.

CLAY: LT.GRY. & DK. GRY., SFT.-FM., SLKY., AN.-BCMNG SILTY.

CLAY 50% LT. GRY., 50% DK. GRY.

CLAY: TENDING TO SILTSTONE

CLAY: LT. BRN., SFT., BLKY., LT. GRY., SFT.-FM., BLKY., HVY TR. MICA., PYR., CALC., FORAMS., SD. A/A.



LITH. A/A BUT CLAY V.SLTY. V. HVY. TR. PYR., FORAMS

CLAY: LT. BRN./GRY., RND., SFT.

SANDSTONE: LT. GRY./BLU. MATRIX., W.FN., CLR. QTZ. XTALS., V.SFT.

LIMESTONE: LT. BUFF.-ROSE, HD., AND., SLIGHTLY DOL.

SAND: CLR. ANG., V.FN. GRND., LOOSE QTZ. XTALS.-PROB. FRM. SST.

TR. FORAMS., SHELL FRAGS, CARB. MAT.

SWITCH TO 9 PPG MUD BUILDING UP TO 10-2 PPG

CLAY: DIRTY BRN., RND., FM., SLTY

SILTSTONE: BLU./GRY., SFT., WAS SST.

LIMESTONE: A/A

LITH. A/A TR. SHELL FRAGS & FORAMS.

CLAY: BLK.-GRY.-BRN., FM.SLTY.

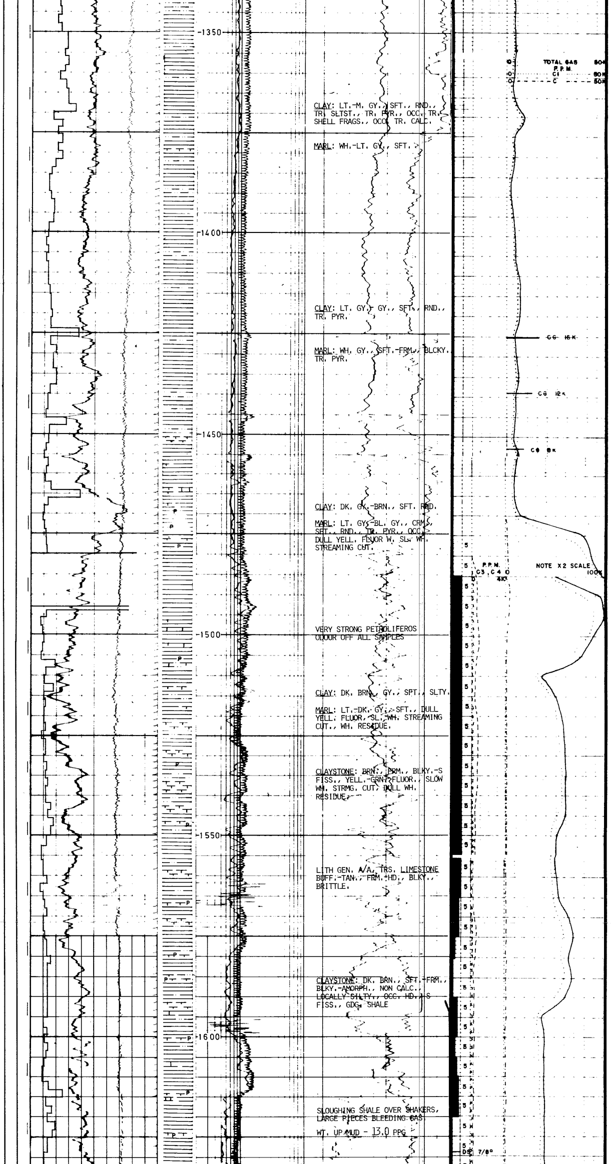
NO 1 PUMP DOWN

SAND: CLR., FN. GRND., ANG., LOOSE, QTZ. XTALS.

SILTSTONE: BLK.-GRY., FM., BLKY.

RUN E LOGS - GOT STUCK. RIH REAM 742-842 M C/O. LOOSE CIRC. - SLOW PUMPS - CIRC. OK POH RUN E LOGS.

CLAY: LT. GY.-GY., SFT., STKY., AMORPH., LOCALLY PYR., LOCALLY SILTY, SILTY CLAY OCC. SL.CALC., TR. SHELL FRAGS.



CLAY: LT.-M. GY., SFT., RND., TR. SLTST., TR. PYR., OCC. TR. SHELL FRAGS., OCC. TR. CALC.

MARL: WH.-LT. GY., SFT.

CLAY: LT. GY.- GY., SFT., RND., TR. PYR.

MARL: WH. GY., SFT.-FRM., BLCKY. TR. PYR.

CLAY: DK. GY.-BRN., SFT. RND.

MARL: LT. GY.-BL. GY., CRM., SFT., RND., TR. PYR., OCC. DULL YELL. FLUOR W. SL. WH. STREAMING CUT.

VERY STRONG PETROLIFEROS ODOUR OFF ALL SAMPLES

CLAY: DK. BRN., GY., SFT., SLTY.

MARL: LT.-DK. GY., SFT., DULL YELL. FLUOR, SL. WH. STREAMING CUT., WH. RESIDUE.

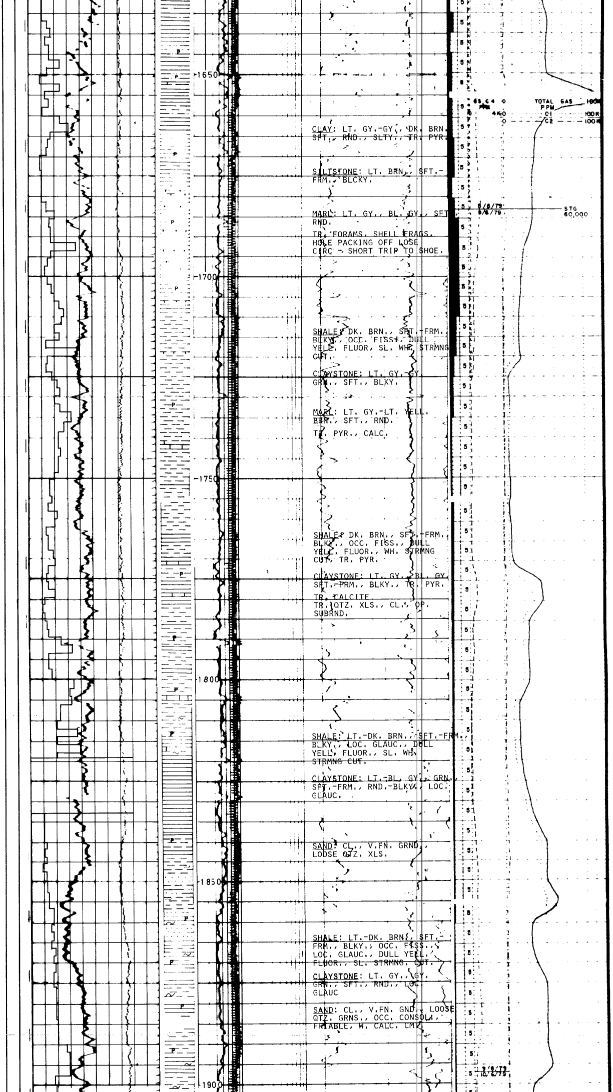
CLAYSTONE: BRN., FRM., BLKY.-S FISS., YELL.-GRN. FLUOR., SLOW WH. STRMG. CUT, DULL WH. RESIDUE.

LITH GEN. A/A, TRS. LIMESTONE BUFF.-TAN., FRM.-HD., BLKY., BRITTLE.

CLAYSTONE: DK. BRN., SFT.-FRM., BLKY.-AMORPH., NON CALC., LOCALLY SILTY., OCC. HD., S FISS., GDG. SHALE

SLOUGHING SHALE OVER SHAKERS, LARGE PIECES BLEEDING GAS

WT. UP MUD - 13.0 PPG



CLAY: LT. GY.-GY., DK. BRN. SFT., RND., SLTY., TR. PYR.

SILTSTONE: LT. BRN., SFT.-FRM., BLCKY.

MARL: LT. GY., BL. GY., SFT., RND.

TR. FORAMS, SHELL FRAGS.

HOLE PACKING OFF LOSE CIRC → SHORT TRIP TO SHOE.

SHALE: DK. BRN., SFT.-FRM., BLKY., OCC. FISS., DULL YELL. FLUOR, SL. WH. STRMNG CUT.

CLAYSTONE: LT. GY.-GY. GRN., SFT., BLKY.

MARL: LT. GY.-LT. YELL. BRN., SFT., RND.

TR. PYR., CALC.

SHALE: DK. BRN., SFT.-FRM., BLKY., OCC. FISS., DULL YELL. FLUOR., WH. STRMNG CUT, TR. PYR.

CLAYSTONE: LT. GY., BL. GY., SFT.-FRM., BLKY., TR. PYR.

TR. CALCITE.

TR. QTZ. XLS., CL., OP. SUBRND.

SHALE: LT.-DK. BRN., SFT.-FRM., BLKY., LOC. GLAUC., DULL YELL. FLUOR., SL. WH. STRMNG CUT.

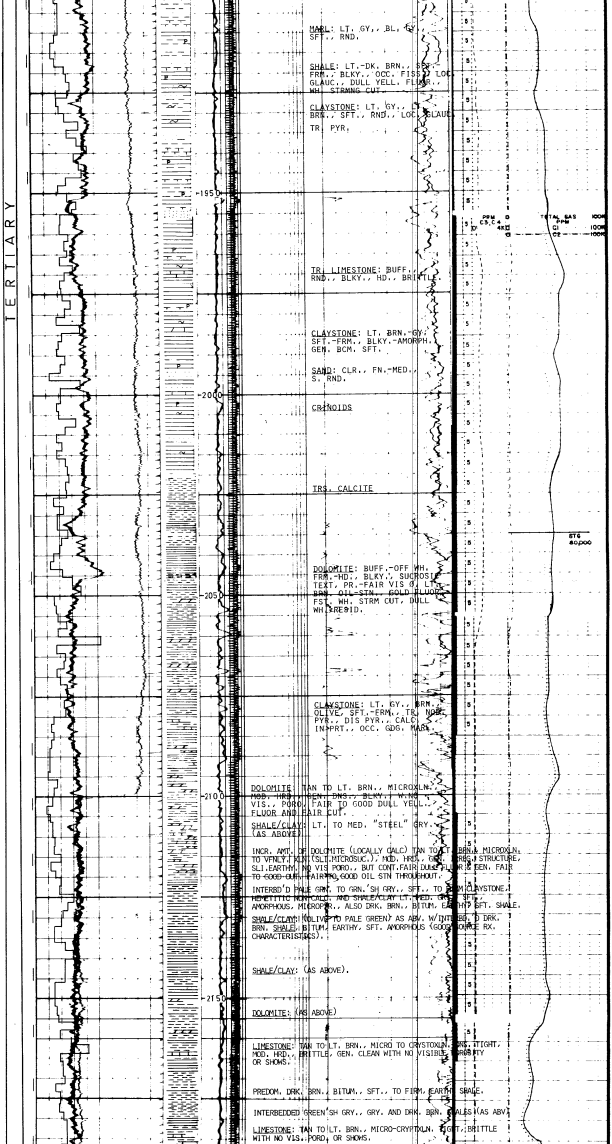
CLAYSTONE: LT.-BL. GY., GRN., SFT.-FRM., RND.-BLKY., LOC. GLAUC.

SAND: CL., V.FN. GRND., LOOSE QTZ. XLS.

SHALE: LT.-DK. BRN., SFT.-FRM., BLKY., OCC. FISS., LOC. GLAUC., DULL YELL. FLUOR., SL. STRMNG. CUT.

CLAYSTONE: LT. GY., GY. GRN., SFT., RND., LOC GLAUC

SAND: CL., V.FN. GND., LOOSE QTZ. GRNS., OCC. CONSOL., FRIABLE, W. CALC. CMT.



MARL: LT. GY., BL. GY., SFT., RND.

SHALE: LT.-DK. BRN., SFT.-FRM., BLKY., OCC. FISS., LOC. GLAUC., DULL YELL. FLUOR., WH. STRMNG CUT.

CLAYSTONE: LT. GY., LT. BRN., SFT., RND., LOC. GLAUC.

TR. PYR.

TR. LIMESTONE: BUFF., RND., BLKY., HD., BRITTLE.

CLAYSTONE: LT. BRN.-GY., SFT.-FRM., BLKY.-AMORPH. GEN. BCM. SFT.

SAND: CLR., FN.-MED., S. RND.

CRINOIDS

TRS. CALCITE

DOLOMITE: BUFF.-OFF WH. FRM.-HD., BLKY., SUCROSIC TEXT, PR.-FAIR VIS 0, LT. BRN. OIL-STN., GOLD FLUOR. FST. WH. STRM CUT, DULL WH. RESID.

CLAYSTONE: LT. GY., BRN., OLIVE, SFT.-FRM., TR. NOD. PYR., DIS PYR., CALC. IN PRT., OCC. GDG. MARL.

DOLOMITE: TAN TO LT. BRN., MICROXLN., MOD. HRD., GEN. DNS., BLKY., W.NO VIS., PORO. FAIR TO GOOD DULL YELL. FLUOR AND FAIR CUT.

SHALE/CLAY: LT. TO MED. "STEEL" GRY. (AS ABOVE)

INCR. AMT. OF DOLOMITE (LOCALLY CALC) TAN TO LT. BRN., MICROXLN. TO VFNLY. XLN. (SLI.MICROSUC.), MOD. HRD., GEN. IRREG. STRUCTURE, SLI.EARTHY, NO VIS PORO., BUT CONT.FAIR DULL FLUOR & GEN. FAIR TO GOOD CUT, FAIR TO GOOD OIL STN THROUGHOUT.

INTERBD'D PALE GRN. TO GRN.'SH GRY., SFT., TO FIRM CLAYSTONE, HEMETITIC NON CALC. AND SHALE/CLAY LT. MED. GRY., SFT., AMORPHOUS, MICROPYR., ALSO DRK. BRN., BITUM, EARTHY? SFT. SHALE.

SHALE/CLAY: (OLIVE TO PALE GREEN) AS ABV. W/INTERBD.'D DRK. BRN. SHALE, BITUM, EARTHY, SFT. AMORPHOUS (GOOD SOURCE RX. CHARACTERISTICS).

SHALE/CLAY: (AS ABOVE).

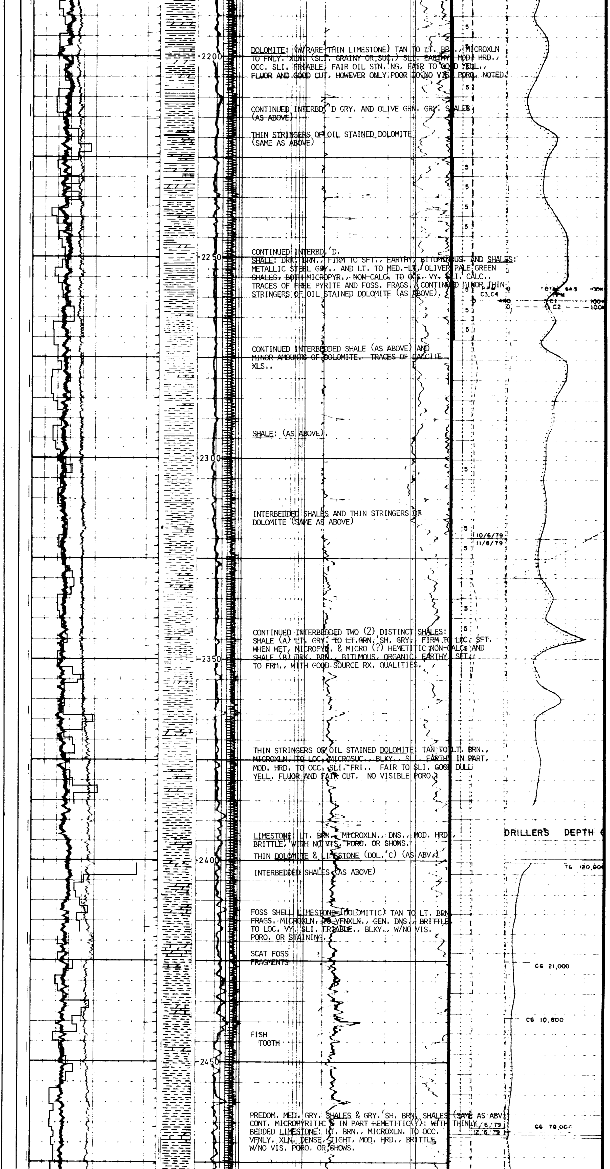
DOLOMITE: (AS ABOVE)

LIMESTONE: TAN TO LT. BRN., MICRO TO CRYSTOXLN. DNS. TIGHT, MOD. HRD., BRITTLE, GEN. CLEAN WITH NO VISIBLE POROSITY OR SHOWS.

PREDOM. DRK. BRN., BITUM., SFT., TO FIRM, EARTHY SHALE.

INTERBEDDED GREEN'SH GRY., GRY. AND DRK. BRN. SHALES (AS ABV)

LIMESTONE: TAN TO LT. BRN., MICRO-CRYPTXLN. TIGHT, BRITTLE WITH NO VIS. PORO. OR SHOWS.



DOLOMITE: (W/RARE THIN LIMESTONE) TAN TO LT. BRN., MICROXLN TO FNLY. XLN. (SLI. GRAINY OR SUC.) SLI. EARTHY, MOD. HRD., OCC. SLI. FRIABLE, FAIR OIL STN. NG, FAIR TO GOOD YELL., FLUOR AND GOOD CUT, HOWEVER ONLY POOR TO NO VIS. PORO. NOTED.

CONTINUED INTERBD.'D GRY. AND OLIVE GRN. GRY. SHALES (AS ABOVE)

THIN STRINGERS OF OIL STAINED DOLOMITE (SAME AS ABOVE)

CONTINUED INTERBD.'D. SHALE: DRK. BRN., FIRM TO SFT., EARTHY, BITUMINOUS, AND SHALES: METALLIC STEEL GRY., AND LT. TO MED.-LT. OLIVER PALE GREEN SHALES, BOTH MICROPYR., NON-CALC. TO OCC. VY. SLI. CALC.. TRACES OF FREE PYRITE AND FOSS. FRAGS.. CONTINUED MINOR THIN STRINGERS OF OIL STAINED DOLOMITE (AS ABOVE).

CONTINUED INTERBEDDED SHALE (AS ABOVE) AND MINOR AMOUNTS OF DOLOMITE. TRACES OF CALCITE XLS..

SHALE: (AS ABOVE).

INTERBEDDED SHALES AND THIN STRINGERS OF DOLOMITE (SAME AS ABOVE)

CONTINUED INTERBEDDED TWO (2) DISTINCT SHALES: SHALE (A) LT. GRY. TO LT.GRN. SH. GRY., FIRM TO LOC. SFT. WHEN WET, MICROPYR. & MICRO (?) HEMETITIC NON-CALCS AND SHALE (B) DRK. BRN., BITUMOUS, ORGANIC, EARTHY, SFT. TO FRM., WITH GOOD SOURCE RX. QUALITIES.

THIN STRINGERS OF OIL STAINED DOLOMITE: TAN TO LT. BRN., MICROXLN. TO LOC. MICROSUC., BLKY., SLI. EARTHY IN PART, MOD. HRD. TO OCC. SLI. FRI.. FAIR TO SLI. GOOD DULL YELL. FLUOR AND FAIR CUT. NO VISIBLE PORO.

LIMESTONE: LT. BRN., MICROXLN., DNS., MOD. HRD., BRITTLE, WITH NO VIS. PORO. OR SHOWS.

THIN DOLOMITE & LIMESTONE (DOL.'C) (AS ABV.)

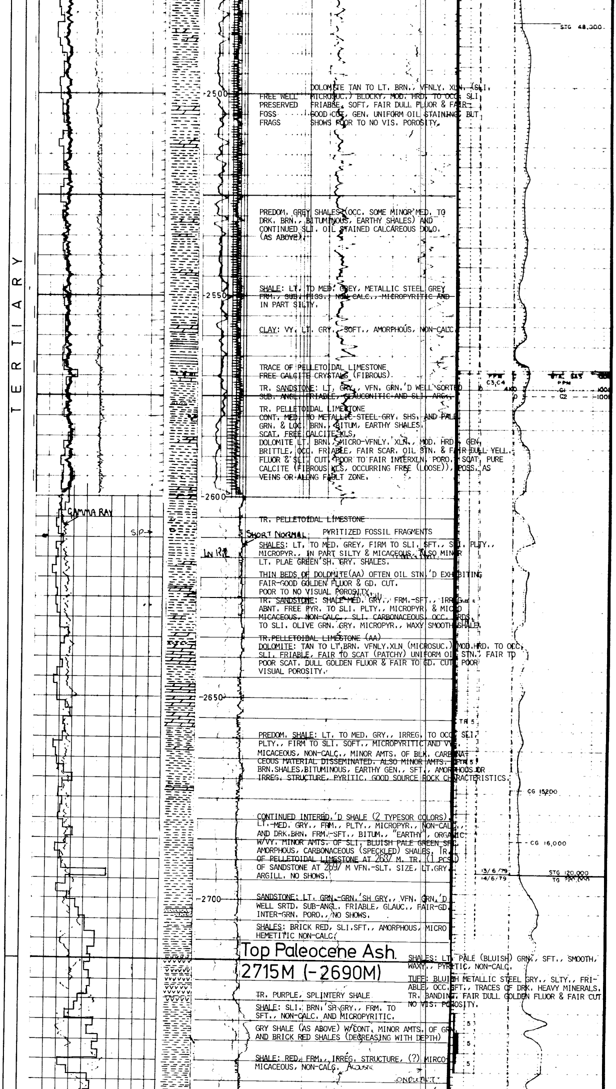
INTERBEDDED SHALES (AS ABOVE)

FOSS SHELL LIMESTONE (DOLOMITIC) TAN TO LT. BRN. FRAGS. MICROXLN. TO VFNXLN., GEN. DNS., BRITTLE TO LOC. VY. SLI. FRIABLE., BLKY., W/NO VIS. PORO. OR STAINING.

SCAT FOSS FRAGMENTS

FISH TOOTH

PREDOM. MED. GRY. SHALES & GRY.'SH. BRN. SHALES (SAME AS ABV.) CONT. MICROPYRITIC & IN PART HEMETITIC(?): WITH THINLY BEDDED LIMESTONE: LT. BRN., MICROXLN. TO OCC. VFNLY. XLN. DENSE, TIGHT, MOD. HRD., BRITTLE W/NO VIS. PORO. OR SHOWS.



FREE WELL PRESERVED FOSS FRAGS

DOLOMITE TAN TO LT. BRN., VFNLY. XLN. (SLI. MICROSUC.) BLOCKY, MOD. HRD. TO OCC. SLI FRIABLE, SOFT, FAIR DULL FLUOR & FAIR-GOOD CUT, GEN. UNIFORM OIL STAINING BUT SHOWS POOR TO NO VIS. POROSITY.

PREDOM. GREY SHALES (OCC. SOME MINOR MED. TO DRK. BRN., BITUMINOUS, EARTHY SHALES) AND CONTINUED SLI. OIL STAINED CALCAREOUS DOLO. (AS ABOVE).

SHALE: LT. TO MED. GREY, METALLIC STEEL GREY FRM., SUB. FISS., NON CALC., MICROPYRITIC AND IN PART SILTY.

CLAY: VY. LT. GRY., SOFT., AMORPHOUS, NON-CALC.

TRACE OF PELLETOIDAL LIMESTONE
FREE CALCITE CRYSTALS (FIBROUS).

TR. SANDSTONE: LT. GRY., VFN. GRN.'D WELL SORTED SUB. ANGL. FRIABLE, GLAUCONITIC AND SLI. ARG.,

TR. PELLETOIDAL LIMESTONE
CONT. MED. TO METALLIC STEEL GRY. SHS. AND PALE GRN. & LOC. BRN., BITUM, EARTHY SHALES.
SCAT. FREE CALCITE XLS,
DOLOMITE LT. BRN., MICRO-VFNLY. XLN., MOD. HRD., GEN. BRITTLE, OCC. FRIABLE, FAIR SCAR. OIL STN. & FAIR DULL YELL. FLUOR & SLI. CUT. POOR TO FAIR INTERXLN. PORO. SCAT. PURE CALCITE (FIBROUS XLS, OCCURRING FREE (LOOSE)), POSS. AS VEINS OR ALONG FAULT ZONE.

TR. PELLETOIDAL LIMESTONE

PYRITIZED FOSSIL FRAGMENTS

SHALES: LT. TO MED. GREY, FIRM TO SLI. SFT., SLI. PLTY., MICROPYR., IN PART SILTY & MICACEOUS. ALSO MINOR LT. PLAE GREEN'SH. GRY. SHALES.

THIN BEDS OF DOLOMITE(AA) OFTEN OIL STN.'D EXHIBITING FAIR-GOOD GOLDEN FLUOR & GD. CUT.
POOR TO NO VISUAL POROSITY.

TR. SANDSTONE: SHALE MED. GRY., FRM.-SFT., IRREG. ABNT. FREE PYR. TO SLI. PLTY., MICROPYR. & MICRO MICACEOUS. NON-CALC., SLI. CARBONACEOUS. OCC. GRDS. TO SLI. OLIVE GRN. GRY. MICROPYR., WAXY SMOOTH SHALE.

TR.PELLETOIDAL LIMESTONE (AA)
DOLOMITE: TAN TO LT.BRN. VFNLY.XLN (MICROSUC.) MOD.HRD. TO OCC. SLI. FRIABLE, FAIR TO SCAT (PATCHY) UNIFORM OIL STN., FAIR TO POOR SCAT. DULL GOLDEN FLUOR & FAIR TO GD. CUT, POOR VISUAL POROSITY.

PREDOM. SHALE: LT. TO MED. GRY., IRREG. TO OCC. SLI. PLTY., FIRM TO SLI. SOFT., MICROPYRITIC AND VY. MICACEOUS, NON-CALC., MINOR AMTS. OF BLK. CARBONACEOUS MATERIAL DISSEMINATED. ALSO MINOR AMTS. OF BRN.SHALES,BITUMINOUS, EARTHY GEN., SFT., AMORPHOUS OR IRREG. STRUCTURE, PYRITIC. GOOD SOURCE ROCK CHARACTERISTICS.

CONTINUED INTERBD.'D SHALE (2 TYPESOR COLORS). LT.-MED. GRY., FRM., PLTY., MICROPYR., NON-CALC., AND DRK.BRN. FRM.-SFT., BITUM., "EARTHY", ORGANIC W/VY. MINOR AMTS. OF SLI. BLUISH PALE GREEN SFT. AMORPHOUS, CARBONACEOUS (SPECKLED) SHALES. TR. OF PELLETOIDAL LIMESTONE AT 2637 M. TR. (1 PCS.) OF SANDSTONE AT 2697 M VFN.-SLT. SIZE, LT.GRY. ARGILL. NO SHOWS.

SANDSTONE: LT. GRN.-GRN.'SH GRY., VFN. GRN.'D WELL SRTD. SUB-ANGL. FRIABLE, GLAUC., FAIR-GD. INTER-GRN. PORO., NO SHOWS.

SHALES: BRICK RED, SLI.SFT., AMORPHOUS, MICRO HEMETITIC NON-CALC.

Top Paleocene Ash.
2715M (-2690M)

SHALES: LT. PALE (BLUISH) GRN., SFT., SMOOTH, WAXY., PYRITIC, NON-CALC.

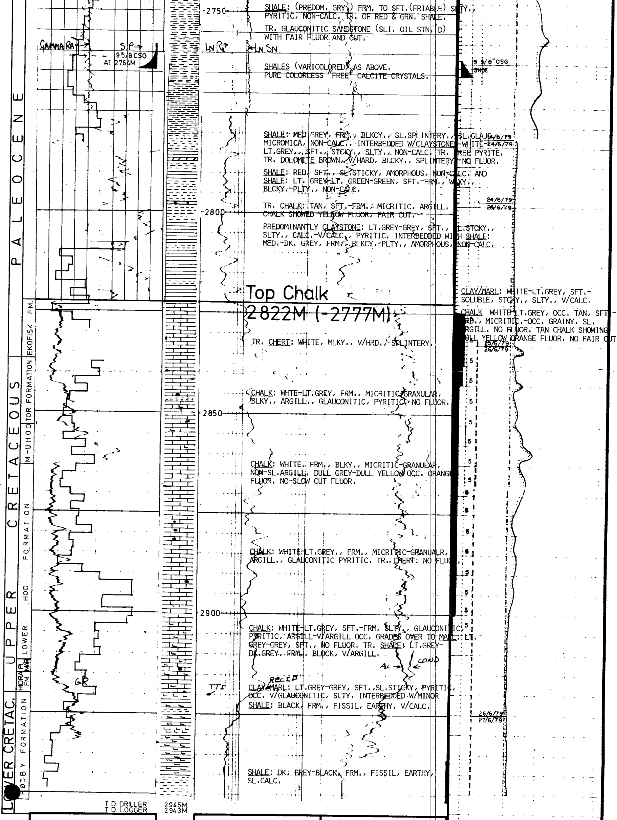
TUFF: BLUISH METALLIC STEEL GRY., SLTY., FRIABLE, OCC. SFT., TRACES OF DRK. HEAVY MINERALS. TR. BANDING. FAIR DULL GOLDEN FLUOR & FAIR CUT NO VIS. POROSITY.

TR. PURPLE, SPLINTERY SHALE

SHALE: SLI. BRN.'SH GRY., FRM. TO SFT., NON-CALC. AND MICROPYRITIC.

GRY SHALE (AS ABOVE) W/CONT. MINOR AMTS. OF GRN. AND BRICK RED SHALES (DECREASING WITH DEPTH)

SHALE: RED, FRM., IRREG. STRUCTURE, (?) MIRCO-MICACEOUS, NON-CALC.



SHALE: (PREDOM. GRY.) FRM. TO SFT. (FRIABLE) SLTY., PYRITIC, NON-CALC. TR. OF RED & GRN. SHALE.

TR. GLAUCONITIC SANDSTONE (SLI. OIL STN.'D) WITH FAIR FLUOR AND CUT.

SHALES (VARICOLORED) AS ABOVE. PURE COLORLESS "FREE" CALCITE CRYSTALS.

SHALE: MED. GREY, FRM., BLKCY., SL. SPLINTERY., SL. GLAUC., MICROMICA, NON-CALC., INTERBEDDED W/CLAYSTONE: WHITE-LT. GREY., SFT., STCKY., SLTY., NON-CALC. TR. FREE PYRITE. TR. DOLOMITE BROWN, V/HARD, BLCKY., SPLINTERY. NO FLUOR.

SHALE: RED, SFT., SL. STICKY, AMORPHOUS, NON-CALC. AND SHALE: LT. GREY-LT. GREEN-GREEN, SFT.-FRM., WAXY., BLCKY.-PLTY., NON-CALC.

TR. CHALK: TAN, SFT.-FRM., MICRITIC, ARGILL. CHALK SHOWED YELLOW FLUOR, FAIR CUT.

PREDOMINANTLY CLAYSTONE: LT. GREY-GREY, SFT., SL. STCKY., SLTY., CALC.-V/CALC., PYRITIC. INTERBEDDED WITH SHALE: MED.-DK. GREY, FRM., BLKCY.-PLTY., AMORPHOUS, NON-CALC.

CLAY/MARL: WHITE-LT. GREY, SFT.-SOLUBLE, STCKY., SLTY., V/CALC.

Top Chalk
2822M (-2777M)

CHALK: WHITE-LT. GREY, OCC. TAN, SFT.-HRD., MICRITIC.-OCC. GRAINY. SL. ARGILL. NO FLUOR. TAN CHALK SHOWING DULL YELLOW ORANGE FLUOR. NO FAIR CUT.

TR. CHERT: WHITE, MLKY., V/HRD., SPLINTERY.

CHALK: WHITE-LT. GREY, FRM., MICRITIC-GRANULAR, BLKY., ARGILL., GLAUCONITIC, PYRITIC. NO FLUOR.

CHALK: WHITE, FRM., BLKY., MICRITIC-GRANULAR, NON-SL. ARGILL. DULL GREY-DULL YELLOW OCC. ORANGE FLUOR. NO-SLOW CUT FLUOR.

CHALK: WHITE-LT. GREY., FRM., MICRITIC-GRANUALR, ARGILL., GLAUCONITIC PYRITIC. TR. CHERT: NO FLUOR.

CHALK: WHITE-LT. GREY, SFT.-FRM, SLTY., GLAUCONITIC, PYRITIC, ARGILL-V/ARGILL OCC. GRADES OVER TO MARL: LT. GREY-GREY, SFT., NO FLUOR. TR. SHALE: LT. GREY-DK. GREY, FRM., BLOCK. V/ARGILL.

CLAY/MARL: LT. GREY-GREY, SFT., SL. STICKY, PYRITIC, OCC. V/GLAUCONITIC, SLTY. INTERBEDDED W/MINOR SHALE: BLACK, FRM., FISSIL, EARTHY, V/CALC.

SHALE: DK. GREY-BLACK, FRM., FISSIL, EARTHY, SL. CALC.

GAMMA RAY	INDUCTION RESISTIVITY 40" SPACING	INDUCTION CONDUCTIVITY 40" SPACING
0 – 120	0.2 – 20 20 – 2000	2000 – 0 4000 – 2000
	16" NORMAL 0.2 – 20 20 – 2000	
	RESISTIVITY Ohms m²/m	CONDUCTIVITY Millimhos m

5 Millivolts

140 – 40
240 – 140
Micro Seconds Per Foot
10 MSEC.
1 MSEC.

S.P. G/R	DEPTH	SPECIFIC ACOUSTIC TIME
		T_1 4 R_1 2 R_2 4 T_2

Company
Well
Field
County
State

Drillers T.D.
Log F.R.
Log T.D.
Elevations
K.B. D.F. G.L.