SIMON PETROLEUM TECHNOLOGY

WELL: 1/6-2

Print: 1841 M	Units: M (F)	Top	Bottom	Scale	TD
Length: 24 FT	Initials: JPK	950	11100	1/500	11100

DIGITAL WIRELINE LOGS PACKAGE
1993
This image may not be used or reproduced without written permission from
SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

Bk.101.1

COMPLETION — Ø

M

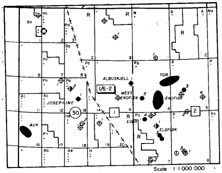
N.S.E.P. 21 ENCL No 3

A/S NORSKE SHELL

COMPOSITE WELL LOG

1/6-2

SITUATION MAP



WELL DATA :

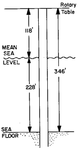
COUNTRY	:	NORWAY
CONCESSION	:	BLOCK 1/6 (LICENCE No. 011)
COORDINATES	:	56° 33' 50.6" N 02° 51' 53.2" E
ELEVATION K.B.	:	118' ABOVE M.S.L.
WATER DEPTH	:	228' B.M.S.L.
TOTAL DEPTH	:	11100' BDF
SPUDDED	:	28 NOVEMBER 1972
COMPLETED	:	12 JANUARY 1973
STATUS	:	PLUGGED & ABANDONED
RIG	:	ZAPATA NORDIC
CONTRACTOR	:	ZAPATA NORTH SEA INC.
FORMATION LOGGING	:	G.A.S. ANALYTIC SERVICE INTERNATIONAL
GEOLOGIST	:	M.A. WOOLLANDS
CASING RECORD		36" AT 578' ; 20" AT 1510' ; 13⅜" AT 3999' 9⅝" AT 7999'.

☐	Clay	▭	Claystone	▤	Shale	☐	Silt/Siltstone	☐	Sand/Sandstone	▭	Fossil fragments gen. Pelecypod fragments.
▨	Conglomerate	■	Lignite Coal	▤	Limestone	▭	Chalk	▨	Marl	▽	Chert
▨	Dolomite	▭	Anhydrite	▭	Foraminifera	○	Pseudo ooids	▭	Tuff	▶	Side Wall Sample

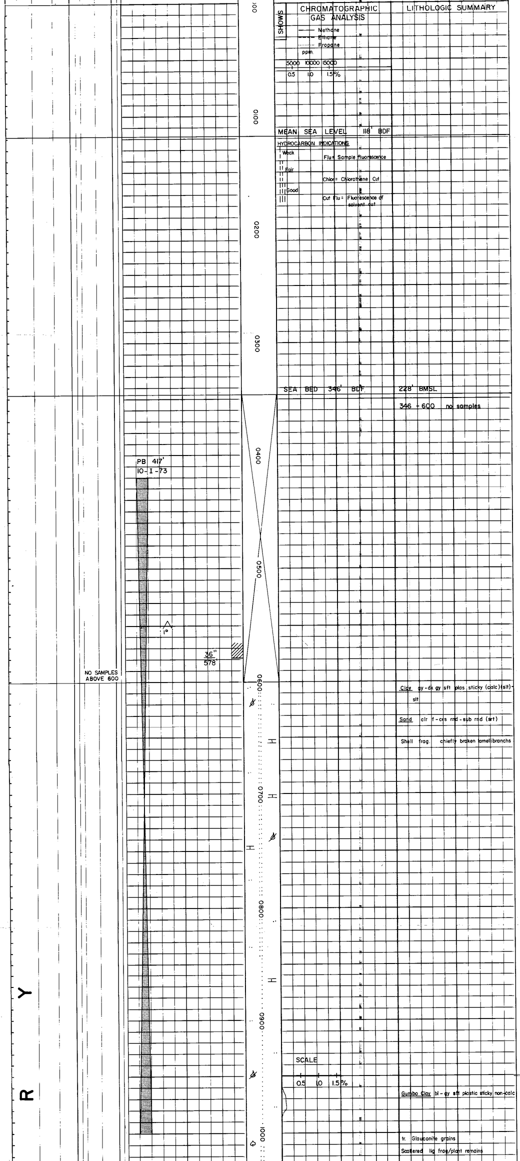
VERTICAL SCALE 1:500

RUN N°	DATE	MEASURED INTERVAL	BIT SIZE	BHT °F	SPACINGS	MUD Type	MUD Grad psi 1000	MUD A.P. Wt L	MUD Resistivity in Ohm m/Temp °F Schl surf	MUD Schl BHT	MUD Pr Lab	MUD Pr Lab	MUD FILTRATE Resistivity in Ohm m/Temp °F Schl surf	MUD FILTRATE Pr Lab	MUD FILTRATE Pr Lab
CAL-1	3-12-72	1490-550	26			S.W. LIG SULPHON	555								
ISF-1	9-12-72	4021-1511	17 ½	107		S.W SHALETROL	625	74	0.369/58	0.22/107			0.246/46		
BHCGR-1	"	3994-1511	"	"		"	"	"	"	"			"		
CAL-2	10-12-72	2250-1511	"			"	"								
ISF-2	19-12-72	8036-4009	12 ¼	158		"	730	4.9	0.417/48	0.145/158			0.210/46		
BHCGR-2	"	8000-4009	"	"		"	"	"	"	"			"		
HDT-1	"	8035-4009	"	"		"	"	"	"	"			"		
CST-1	"	7992-4060	"	"	30 SWS	"	"	"							
CBL-1	25-12-72	8000-3900	8 ½	160		"	715								
ISF-3	5-1-73	11106-8002	"	250		UNICAL	732	5.4	0.435/50	0.087/250			0.224/50		
BHCGR-3	"	11077-8002	"	"		"	"	"	"	"			"		
CNL-1	"	11113-9800	"	"		"	"	"	"	"			"		
FDC-1	"	" "	"	"		"	"	"	"	"			"		
LL9-1	"	11101-8002	"	"		"	"	"	"	"			"		
HDT-2	"	11108-8002	"	"		"	"	"	"	"			"		
CST-2	"	11090-9300	"	"	15 SWS	"	"	"							
CST-3	"	9900-8030	"	"	22 SWS	"	"	"							
CIS-1	"	11050-surf	"	"	SSL Velocity Surv	"	"	"							
MCT-1	6-1-73	—			Tool failure										

ELEVATION
(not to scale)



TIME	STRATIGRAPHY	BIOSTRATIGRAPHIC ZONATION	CUTTINGS CORES, SWS, MCT	PALAEONTOLOGICAL AGE DETERMINATION PALYNOLOGICAL	CUTTINGS CORES, SWS, MCT	GAMMA RAY (API Units)	LITHOLOGY 1:500	INTERVAL TRANSIT TIME (Microseconds per Foot)
						0 100		200 150 100



LITHOLOGIC SUMMARY

228' BMSL

346 - 600 no samples

Clay gy-dk gy sft plas sticky (calc)(slt)-slt

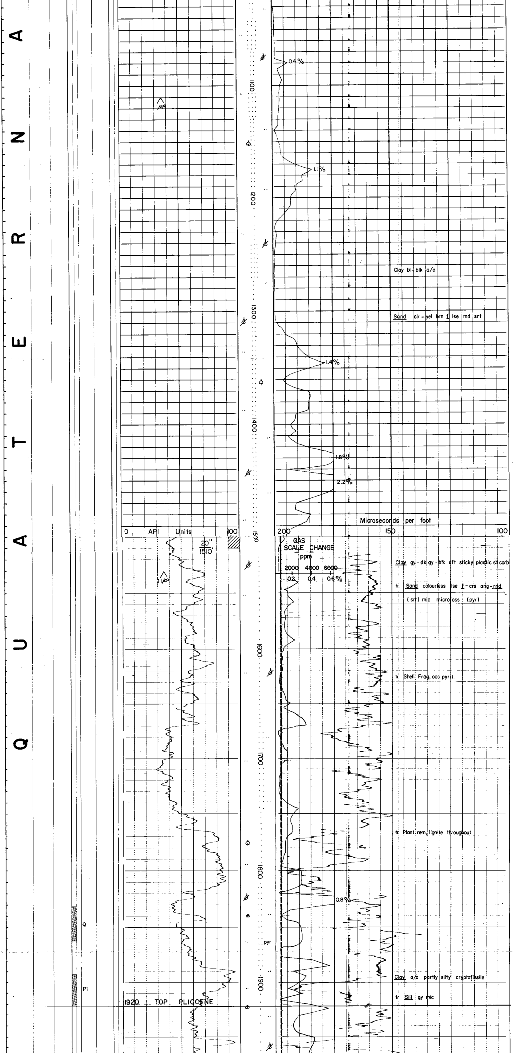
Sand clr f-crs rnd-sub rnd (srt)

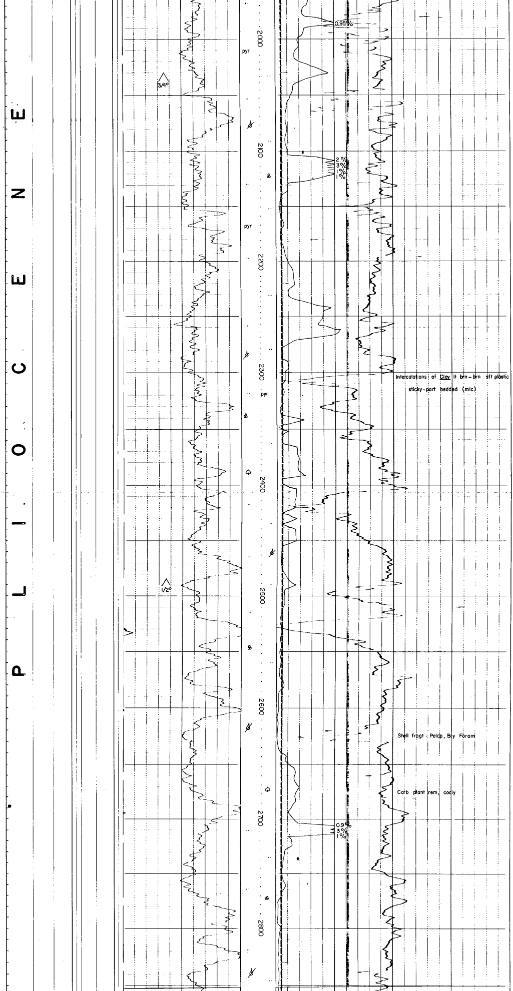
Shell frag. chiefly broken lamellibranchs

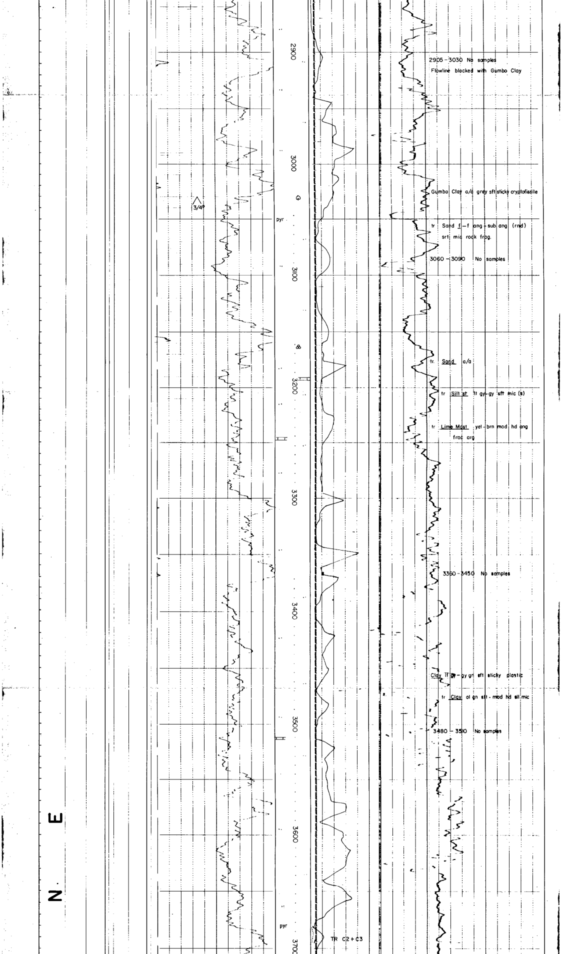
Gumbo Clay bl-gy sft plastic sticky non-calc

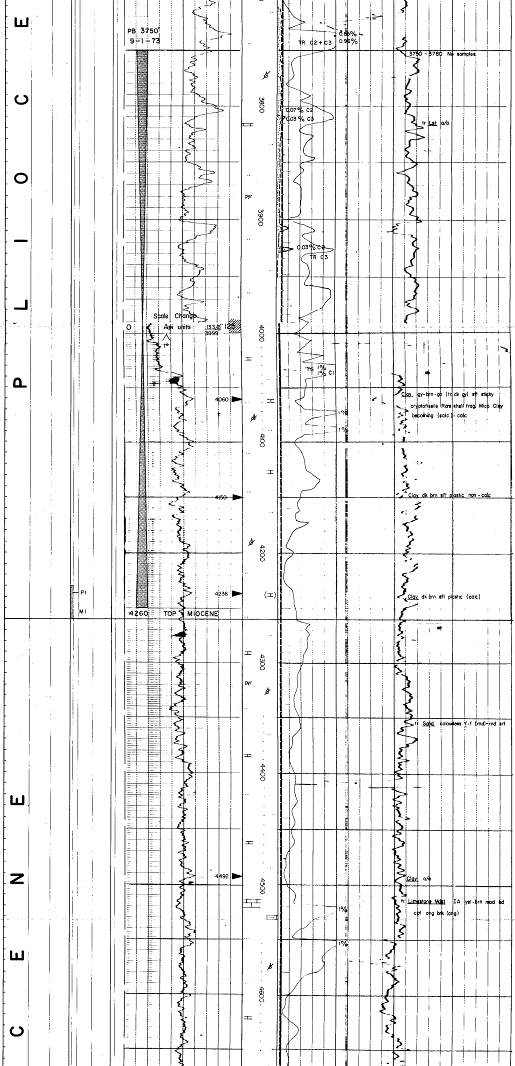
tr. Glauconite grains

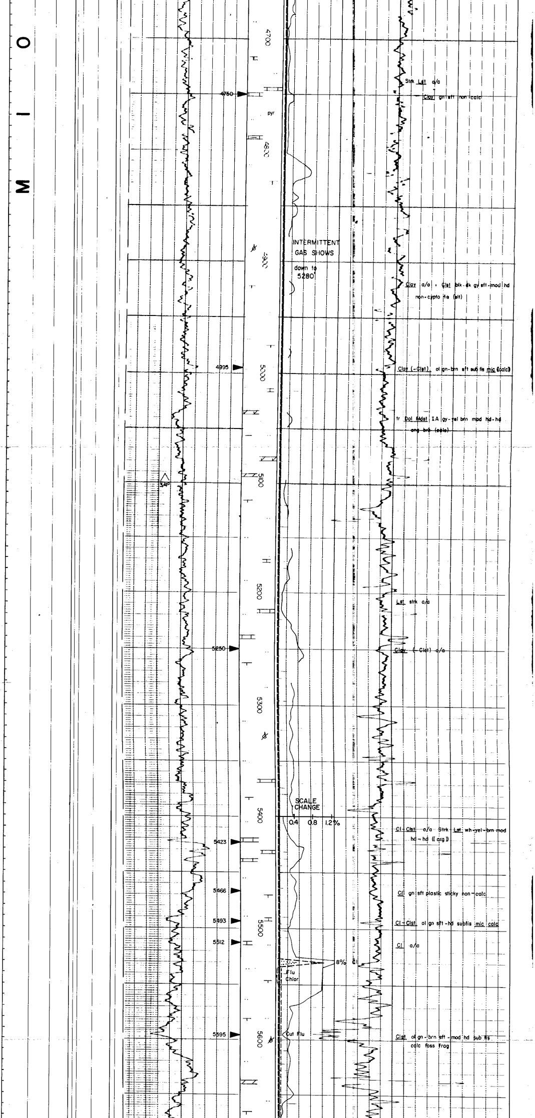
Scattered lig frag/plant remains

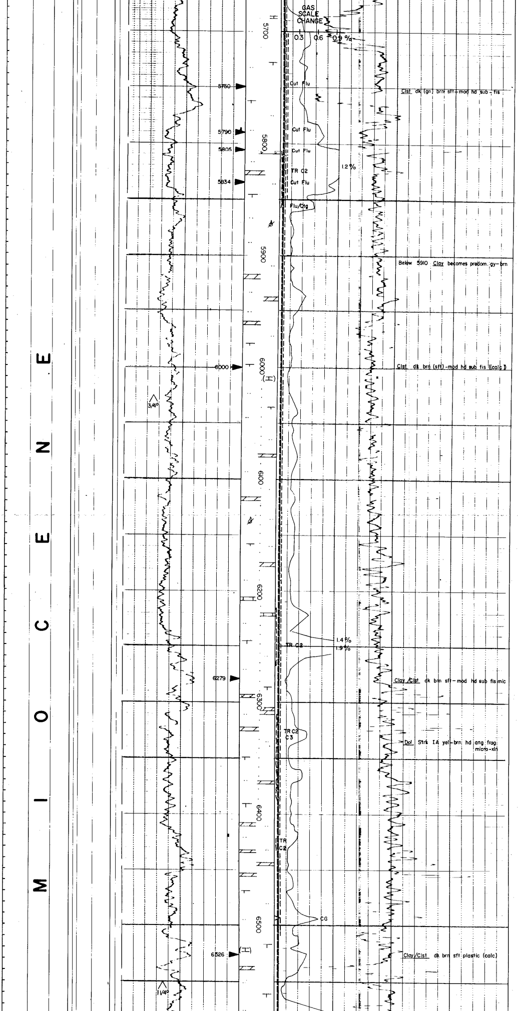


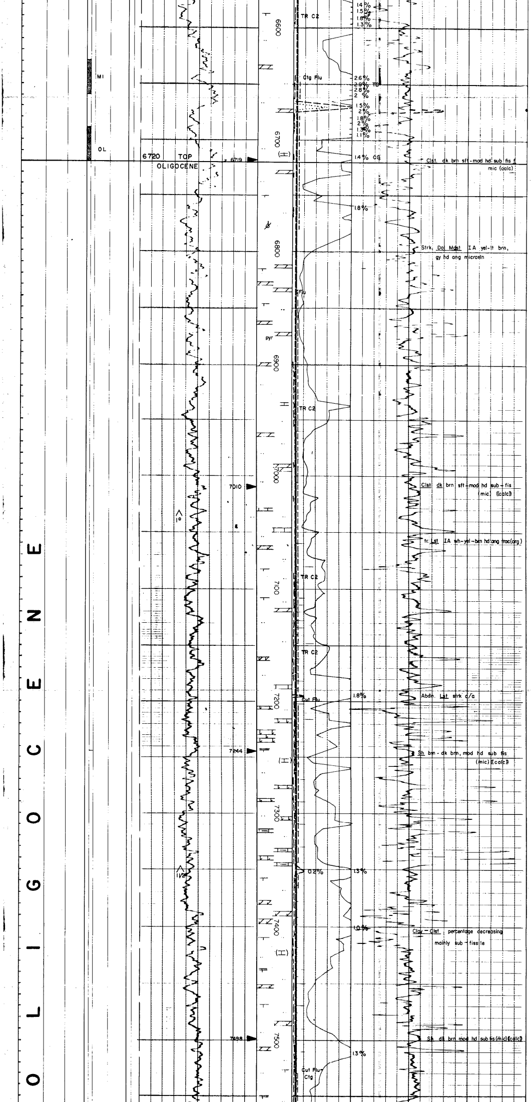


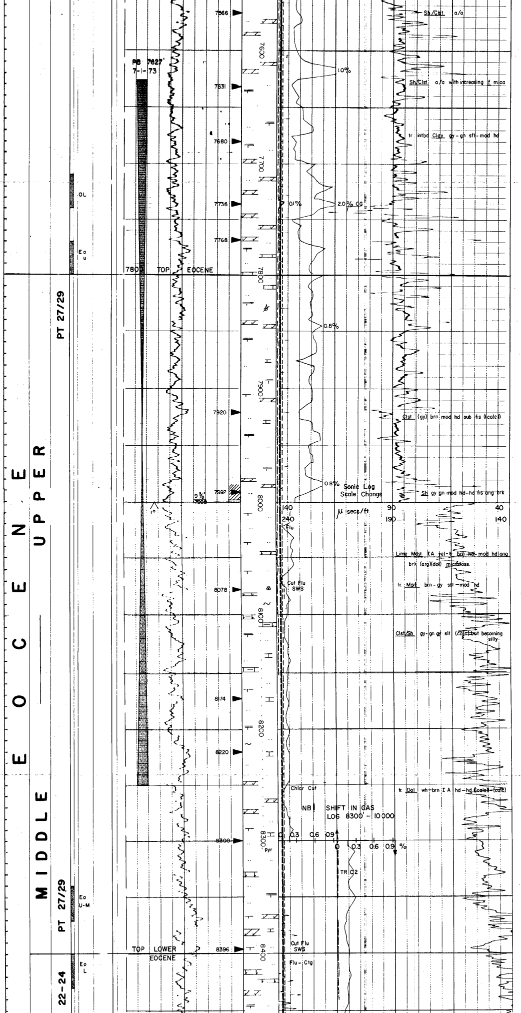


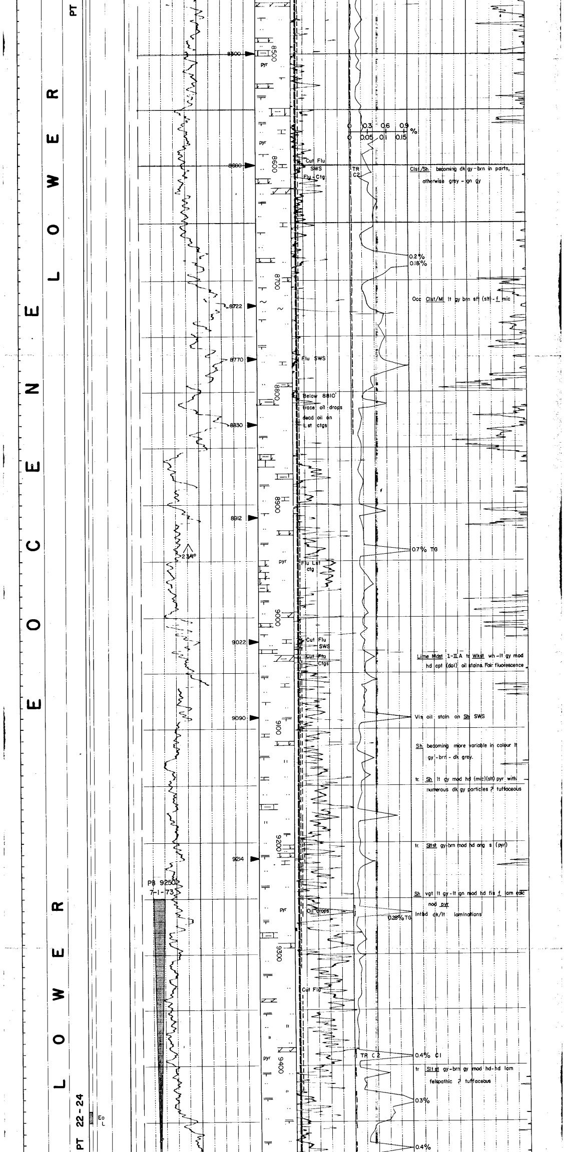












Below 8810'
trace oil drops
dead oil on
Lst ctgs

Clst/Sh becoming dk gy-brn in parts,
otherwise grey - gn gy

Occ Clst/Ml lt gy brn sft (slt) - f mic

Lime Mdst I-II A tr Wkst wh-lt gy mod
hd cpt (dol) oil stains. Fair fluorescence

Vis oil stain on Sh SWS

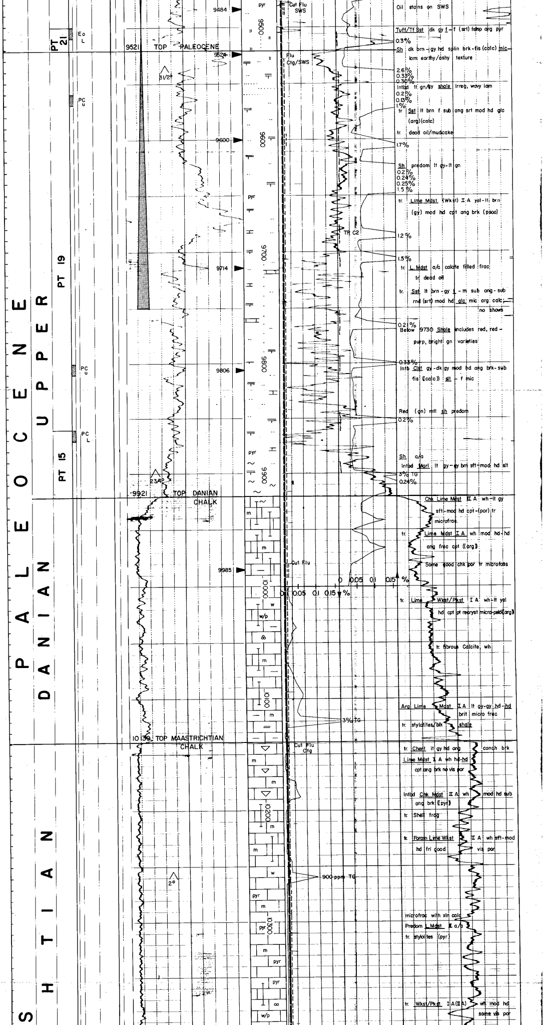
Sh becoming more variable in colour lt
gy - brn - dk grey.

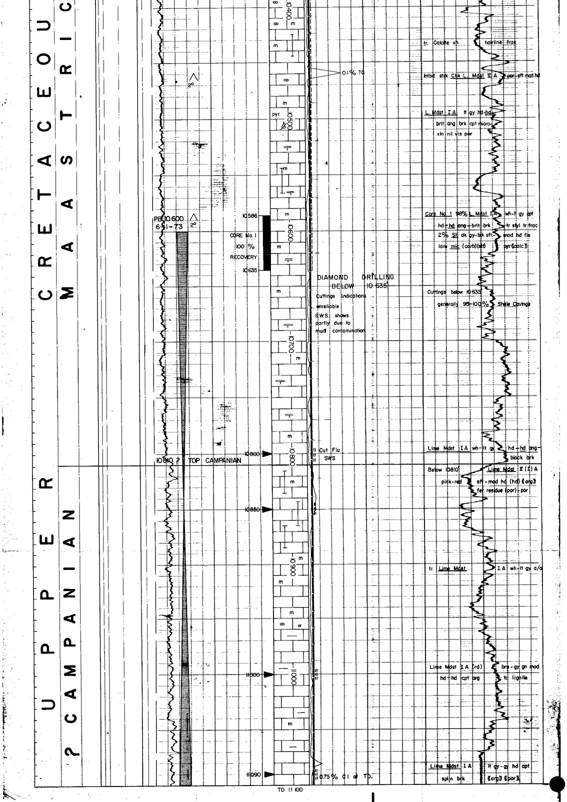
tr. Sh lt gy mod hd (mic)(slt) pyr with
numerous dk gy particles ? tuffaceous

tr. Sltst gy-brn mod hd ang s (pyr)

Sh vgt lt gy - lt gn mod hd fis f lam calc
nod pyr
Intbd dk/lt laminations

tr Sltst gy-brn gy mod hd-hd lam
felspathic ? tuffaceous


P A L E O C E N E
U P P E R
D A N I A N
S H T I A N
PT 21
PT 19
PT 15
Eo L
PC u
PC u
PC L
9484
9521 TOP PALEOCENE
9524
31/2°
9600
9714
9806
234°
9921 TOP DANIAN CHALK
9985
10139 TOP MAASTRICHTIAN CHALK
2°
9500
9600
9700
9800
9900
10000
10100
10200
10300
pyr
m
w
w/p
Cut Flu SWS
Flu Ctg/SWS
TR C2
Cut Flu
Cut Flu Ctg
3% TG
900 ppm TG
0 0.05 0.1 0.15 %
0 0.05 0.1 0.15 %
Oil stains on SWS
Tuff/Tf Sst dk gy f – f (srt) felsp arg pyr
0.3%
Sh dk brn – gy hd splin brk-fis (calc) mic-lam earthy/ashy texture
2.6%
0.33%
0.30%
Intbd lt gn/gy shale irreg, wavy lam
0.2%
0.13%
1.%
tr Sst lt brn f sub ang srt mod hd glc (arg)(calc)
tr. dead oil/mudcake
1.7%
Sh predom lt gy-lt gn
0.2%
0.24%
0.25%
1.5%
tr. Lime Mdst (Wkst) I A yel-lt brn (gy) mod hd cpt ang brk (psoo)
1.2%
1.5%
tr. L. Mdst a/a calcite filled frac
tr dead oil
tr. Sst lt brn-gy f – m sub ang-sub rnd (srt) mod hd glc mic arg calc; no shows
0.21%
Below 9730 Shale includes red, red-purp, bright gn varieties
0.33%
Intb Clst gy-dk gy mod hd ang brk-sub fis ((calc)) slt – f mic
Red (gn) mtl sh predom
0.2%
Sh a/a
Intbd Marl lt gy-gy brn sft-mod hd slt
3% TG
0.24%
Chk Lime Mdst II A wh-lt gy sft-mod hd cpt-(por) tr microfrac.
tr. Lime Mdst I A wh mod hd-hd ang frac cpt ((arg))
Some good chk por tr microfoss
tr. Lime Wkst/Pkst I A wh-lt yel hd cpt pt recryst micro-peld((arg))
tr. fibrous Calcite, wh
Arg Lime Mdst I A lt gy-gy hd-hd brit micro frac
tr. stylolites/blk shale
tr. Chert lt gy hd ang conch brk
Lime Mdst I A wh hd-hd cpt ang brk no vis por
Intbd Chk Mdst II A wh mod hd sub ang brk ((pyr))
tr. Shell frag
tr. Foram Lime Wkst II A wh sft-mod hd fri good vis por
microfrac with xln calc
Predom L.Mdst II a/a
tr. stylolites (pyr)
tr. Wkst/Pkst I A(II A) wh mod hd some vis por


CRETACEOU
MAASTRIC
UPPER
? CAMPANIAN
10400
2°
0.1% TC
pyr
10500
PB 10600
6-11-73
2°
10586
CORE No. 1
100 %
RECOVERY
10635
10600
10700
DIAMOND DRILLING
BELOW 10 635'
Cuttings indications
unreliable
S.W.S. shows
partly due to
mud contamination
10800
Cut Flu
SWS
10810 ? TOP CAMPANIAN
10850
10900
11000
11090
0.75% Cl at TD.
TD 11 100
tr. Calcite vn hairline frac
Intbd stk Chk L. Mdst II A por-sft mod hd
L. Mdst I A lt gy hd-hd
brit ang brk cpt micro-
xln nil vis por
Core No 1 98% L. Mdst I A wh-lt gy cpt
hd-hd ang-brit brk tr styl tr frac
2% Sh dk gy-blk sft-mod hd fis
lam mic (carb)(slt) pyr((calc))
Cuttings below 10635
generally 95-100% Shale Cavings
Lime Mdst I A wh-lt gy hd-hd ang-
block brk
Below 10810' Lime Mdst II (I) A
pink-red sft-mod hd (hd) ((arg))
fer residue (por)-por
tr Lime Mdst I A wh-lt gy a/a
Lime Mdst I A (rd) brn-gy gn mod
hd-hd cpt arg tr lignite
Lime Mdst I A lt gy-gy hd cpt
splin brk ((arg)) ((por))