SIMON PETROLEUM TECHNOLOGY

WELL: 25/11-5

Print: 2140 D	Units: M [✓ F]	Top	Bottom	Scale	TD
Length: 19 FT	Initials: IC	450	6095	1:500	6095

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

2140 450 - 6095 Completion - ø D

PROPRIETARY EXPLORESSO

ESSO EXPLORATION NORWAY INC.

COMPLETION LOG

Scale 1:500

Well Name 25/11-3		Status Plugged and abandoned	
Area North Sea offshore Norway	Well Classification Extension Test	Total Depth 6088' Driller 6095' Wireline	Deepest Penetration Danian
Location Lat.: 59° 10' 36,189" N Long.: 02° 26' 19,065" E	Date Spudded 25. Sept. 1970	Elev. of Datum 33 ft RKB	Water Depth 417 ft
Prepared by ESSO EXPLORATION NORWAY INC.	Date Total Depth Reached 9. Oct. 1970	Casing Data 30" at 528' 13 3/8" at 1277' 9 5/8" at 3109'	Rig Glomar Grand Isle
Date: January, 1971 Revised:	Date Oper. Completed 14. Oct. 1970		Contractor Global Marine

LOGS RUN

I- ES 3114 – 6094	B.H.C. Sonic– Gamma 3111 — 6083 Gamma Ray only 461 - 3111	Formation Density 3111 — 6093		

Seismic check shots

None

LITHOLOGIC SYMBOLS
(PROVISIONALLY APPROVED FOR FIELD TESTING)

- ? *CLAY (NONFISSILE) - CLAYSTONE < 03mm*
- *CLAY (FISSILE) OR SHALE < 03mm*
- *MUDSTONE*
- *SILT, COARSE (03 - 06mm) AND SILSTONE*
- · *SAND (06 - 2 mm) AND SANDSTONE*
- ○ *GRANULE BOULDER (> 2mm) AND CONGLOMERATE*
- Q *QUARTZ*
- ▭ *FELDSPAR*
- *LITHIC OR ROCK FRAGMENTS*
- ◆ *PYRITE*
- *SIDERITE*
- △ *CHERT*
- ■ *COAL*
- ▬ *CARBONACEOUS MATTER*
- *GLAUCONITE*
- *PHOSPHATE*
- V *VOLCANIC ASH OR BENTONITE*
- ┐ *MICA*
- ++ *GYPSUM*
- + *ANHYDRITE*
- × *HALITE*
- ✱ *POTASSIUM OR MAGNESIUM SALTS*

- *LIMESTONE*
- *DOLOMITIC LIMESTONE* ⊥⊥ *VERY DOLOMITIC*
- *CALCAREOUS DOLOMITE* ⊥⊥ *VERY CALCAREOUS*
- *DOLOMITE*
- ∽ *MARL*

SPECIFY TYPE OF CARBONATE BY ADDING TO BASIC LIMESTONE OR DOLOMITE SYMBOL THE APPROPRIATE ABBREVATION AS SHOWN BELOW

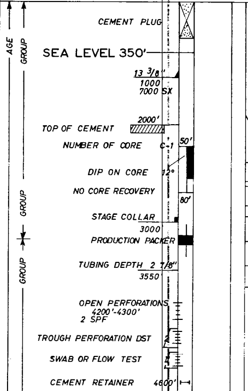
- *M = MICRITIC LIMESTONE*
- *G = GRAIN LIMESTONE (FOR GENERAL USE)*
- *S = SKELETAL LIMESTONE (FRAGMENTED AND NONFRAGMENTED)*
- *P = PELLETAL LIMESTONE*
- *F = FRAMEBUILDER LIMESTONE*
- *O = OOLITIC LIMESTONE*
- *K = CHALK*
- *D = DETRITAL LIMESTONE*
- *L = LUMP LIMESTONE*
- *m = MICROCRYSTALLINE OR MICROGRAINED < 03mm*

IGNEOUS ROCKS

- *IGNEOUS ROCKS IN GENERAL (WRITE OUT THE NAME WHERE THE SPECIFIC TYPE IS KNOWN)*

METAMORPHIC ROCKS

- ▨ *METAMORPHIC ROCKS IN GENERAL (WRITE OUT THE NAME WHERE THE SPECIFIC TYPE IS KNOWN)*

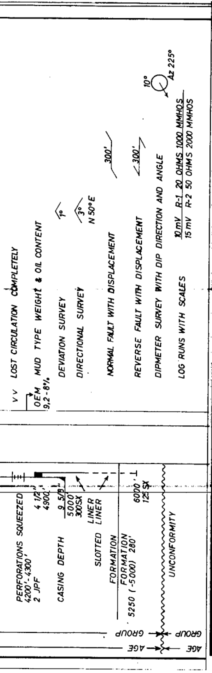

AGE
GROUP
CEMENT PLUG
SEA LEVEL 350'
13 3/8"
1000
7000 SX
2000'
TOP OF CEMENT
NUMBER OF CORE C-1
50'
DIP ON CORE 12°
NO CORE RECOVERY
80'
GROUP
STAGE COLLAR
3000
PRODUCTION PACKER
GROUP
TUBING DEPTH 2 7/8"
3550
OPEN PERFORATIONS
4200'-4300'
2 SPF
TROUGH PERFORATION DST
2
SWAB OR FLOW TEST
II
CEMENT RETAINER 4600'

- ◓ *SHOW OR STAIN*
- ◔ *HYDROCARBON CUT*
- ◑ *FLUORESCENCE*
- ☼ *GAS SHOW*

ABOVE SYMBOLS MAY BE COMBINED

- *DEVIATED OR SIDETRACKED HOLE*
- 2 *OPEN HOLE DST* 2 *MISRUN*
- II *OPEN HOLE SWAB OR FLOW TEST*
- ○ *WIRE LINE TEST*
- *SWC w/ RECOVERY*
- *SWC w/ NO RECOVERY*
- + PO *SO = SHOT OFF* *PO = PULLED OFF*
- *MF = MISFIRE* *DB DAMAGED BULLET*
- ◓ ☼ *SWC WITH SHOW*
- ● → *BLOWOUT OF OIL*
- ☼ → *BLOWOUT OF GAS*
- ○ → *WATER FLOW*
- v *LOSS OF DRILLING FLUID AND PERCENTAGE*

- ● *OIL PRODUCTION*
- ☼ *GAS PRODUCTION*
- *CONDENSATE PRODUCTION*
- ○ *WATER PRODUCTION*
- ◒ *INTERPRETED OIL PRODUCTIVE*
- *INTERPRETED GAS PRODUCTIVE*
- ○ *INTERPRETED WATER BEARING*
- *INTERPRETED CONDENSATE PROD.*


PERFORATIONS SQUEEZED
4200'-4300'
2 JPF
4 1/2"
4900'
CASING DEPTH
9 5/8"
5000'
300SX
LINER
SLOTTED LINER
FORMATION
FORMATION
5250 (-5000) 280'
6000'
125 SX
AGE
GROUP
UNCONFORMITY
AGE
GROUP
v v LOST CIRCULATION COMPLETELY
OEM 9,2 - 8%
MUD TYPE WEIGHT & OIL CONTENT
DEVIATION SURVEY
1°
DIRECTIONAL SURVEY
3°
N 50° E
NORMAL FAULT WITH DISPLACEMENT
300'
REVERSE FAULT WITH DISPLACEMENT
300'
DIPMETER SURVEY WITH DIP DIRECTION AND ANGLE
10°
Az 225°
LOG RUNS WITH SCALES
10 mV R-1 20 OHMS 1000 MMHOS
15 mV R-2 50 OHMS 2000 MMHOS

SCHLUMBERGER

COUNTY Norway
FIELD or LOCATION Wildcat
WELL 25/11 - 3
COMPANY ESSO Exploration

COMPANY ESSO Exploration
Norway Inc.
WELL 25/11 - 3
FIELD Wildcat
COUNTY Norway STATE North Sea

LOCATION 59° 10' 36.189" N.
02° 26' 19.065" E.
Sec. ____ Twp. ____ Rge. ____

Other Services:
BHC-GR, FDC,
CST, FIL.

Permanent Datum: MSL, Elev. 0
Log Measured From DF, 31 Ft. Above Perm. Datum
Drilling Measured From DF.

Elev.: K.B. 32.5
D.F. 31.0
G.L. -461.0

Date	10th October, 1970			
Run No.	One, 1:500			
Depth—Driller	6000			
Depth—Logger	6095			
Btm. Log Interval	6094			
Top Log Interval	3112			
Casing—Driller	9 5/8 @ 3109	@	@	@
Casing—Logger	3112			
Bit Size	8 - 3/8"			
Type Fluid in Hole	Fresh Water [illegible] Spersene			
Dens. | Visc.	10.9 | 65			
pH | Fluid Loss	11.0 | 3.2 ml	ml	ml	ml
Source of Sample	Circulation			
R_m @ Meas. Temp.	0.81 @ 75 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.64 @ 75 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.25 @ 75 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	Press | Press			
R_m @ BHT	0.42 @ 143 °F	@ °F	@ °F	@ °F
Time Since Circ.	4:30			
Max. Rec. Temp.	143 °F	°F	°F	°F
Equip. | Location	2070 | NOR			
Recorded By	Harris			
Witnessed By	Nichols			

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

REMARKS

Changes in Mud Type or Additional Samples		
Date | Sample No.		
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.		
ph | Fluid Loss	ml	
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

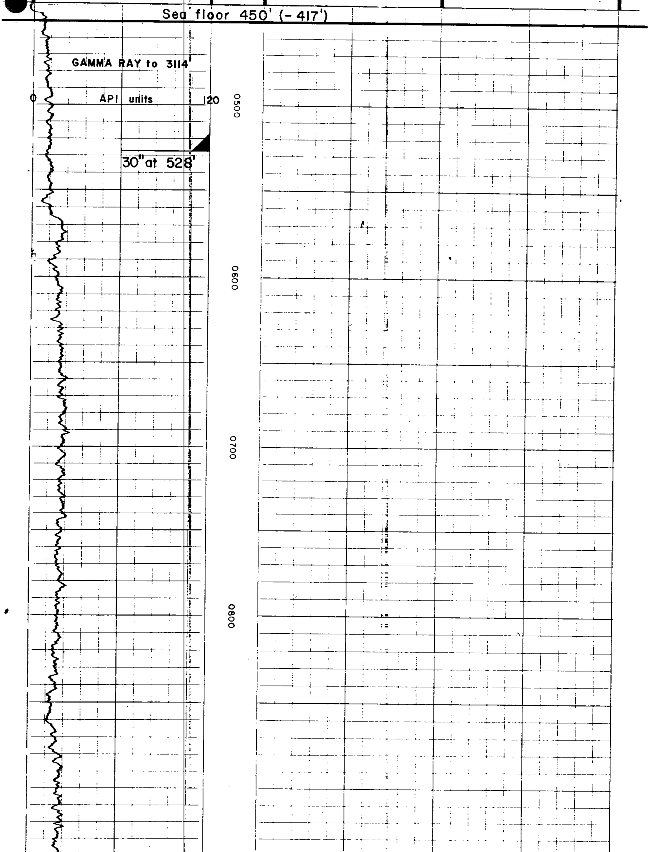
Equipment Data

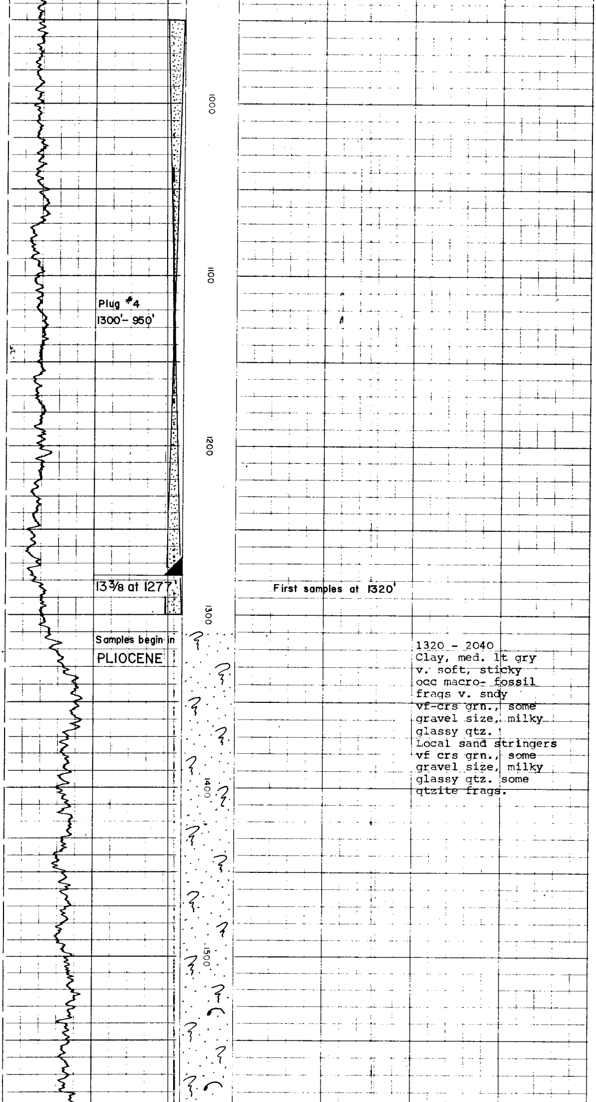
Run No.	Tool Type	Tool Position	Other
1	6 [illegible]	1-[illegible] Standoff	

Run No.:	One
C.D.:	-
S.O.:	1 - [illegible]
Equip. PANEL No.:	[illegible]-[illegible] 390
Used: CART. No.:	[illegible]-D285
SONDE No.:	[illegible]-[illegible] 697
IAP No.:	- DP11[illegible]
S.B.R.:	1

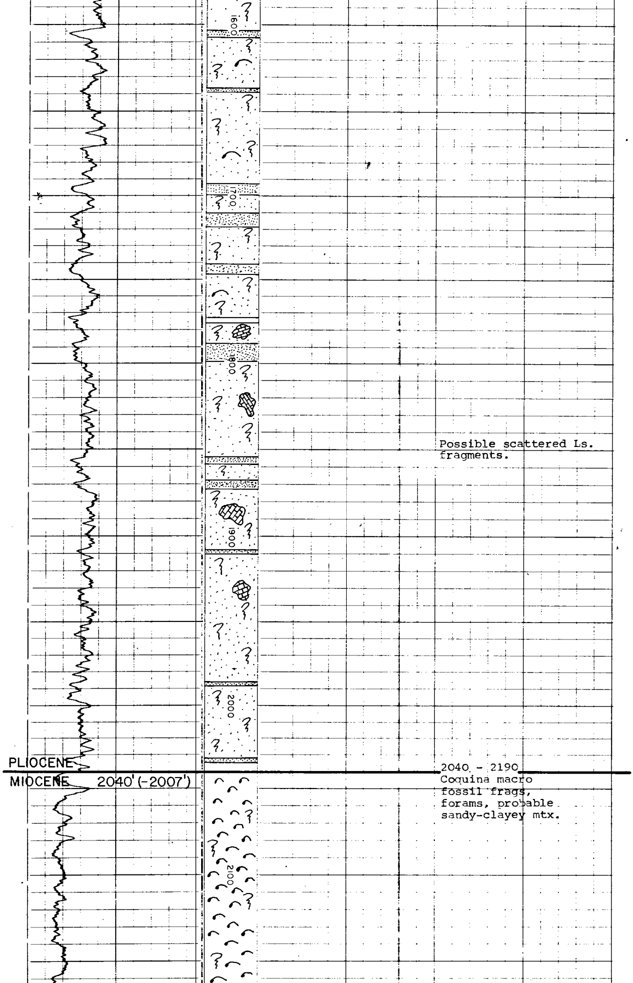
Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
__ 6FF40 sonde error corrected for inch
borehole signal at Rm =
__ 6FF40 zero set in hole at depth of feet.

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2/\text{m}}$
10 − |↔| +		A - 16" - M SHORT NORMAL 0 10 INDUCTION 0 10 AMP. SHORT NORMAL 0 2	6FF40 INDUCTION 1000 0 2000 1000 3000 2000



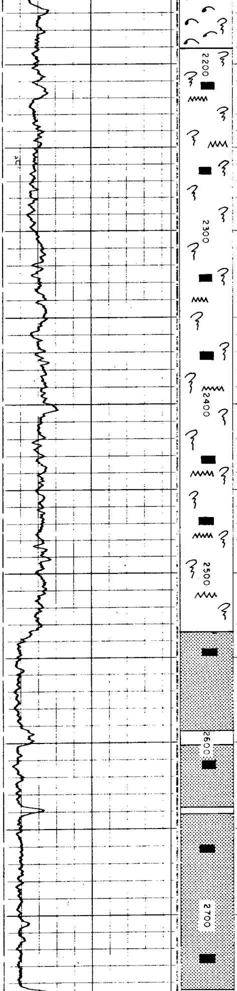


1320 - 2040
Clay, med. lt gry
v. soft, sticky
occ macro- fossil
frags v. sndy
vf-crs grn., some
gravel size, milky
glassy qtz.
Local sand stringers
vf crs grn., some
gravel size, milky
glassy qtz. some
qtzite frags.



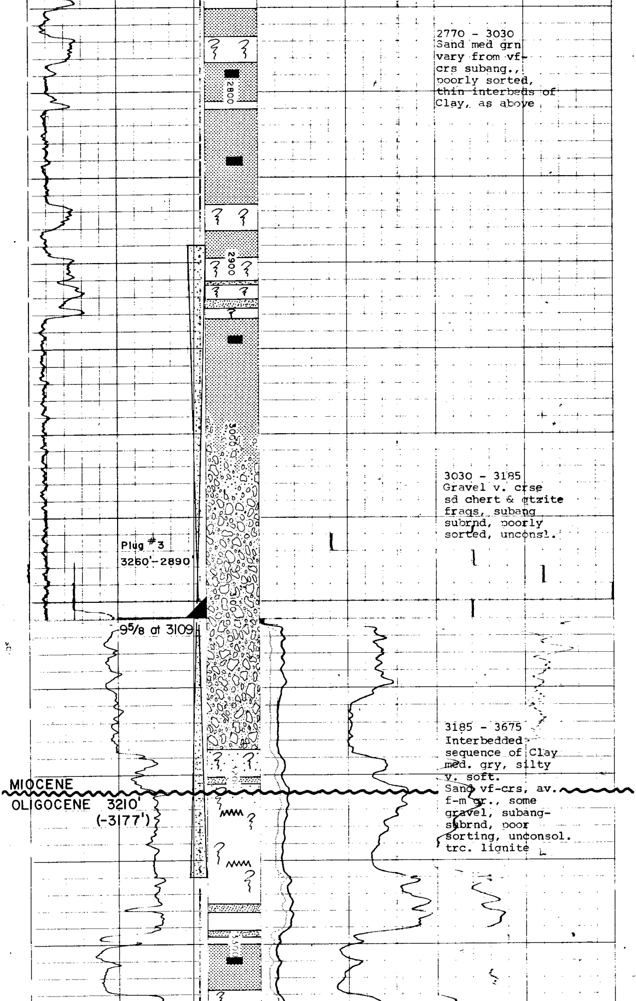
Possible scattered Ls. fragments.

2040 - 2190
Coquina macro fossil frags, forams, probable sandy-clayey mtx.



2190 - 2534
Clay, med lt. gry
med gry, silty,
soft, sticky
trc. Lignite

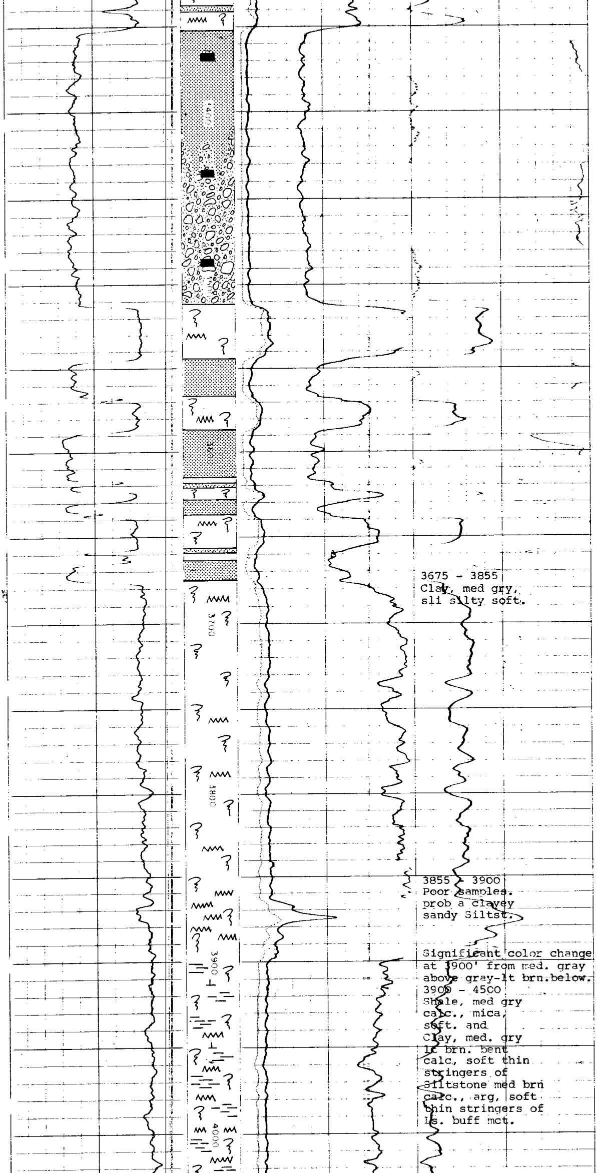
2534 - 2770
Sand crs-grn
some gravel,
some vf-med
grn. poorly
sorted, subrnd
unconsolidated
no show. Trc
scattered
lignite thin
interbeds of
Clay, as above.,


2800
2900
3000
3100
3200
3300
Plug # 3
3260'-2890'
9⁵/8 at 3109
MIOCENE
OLIGOCENE 3210'
(-3177')

2770 - 3030
Sand med grn
vary from vf-
crs subang.,
poorly sorted,
thin interbeds of
Clay, as above

3030 - 3185
Gravel v. crse
sd chert & qtzite
frags, subang
subrnd, poorly
sorted, uncons1.

3185 - 3675
Interbedded
sequence of Clay
med. gry, silty
v. soft.
Sand vf-crs, av.
f-m gr., some
gravel, subang-
subrnd, poor
sorting, unconsol.
trc. lignite

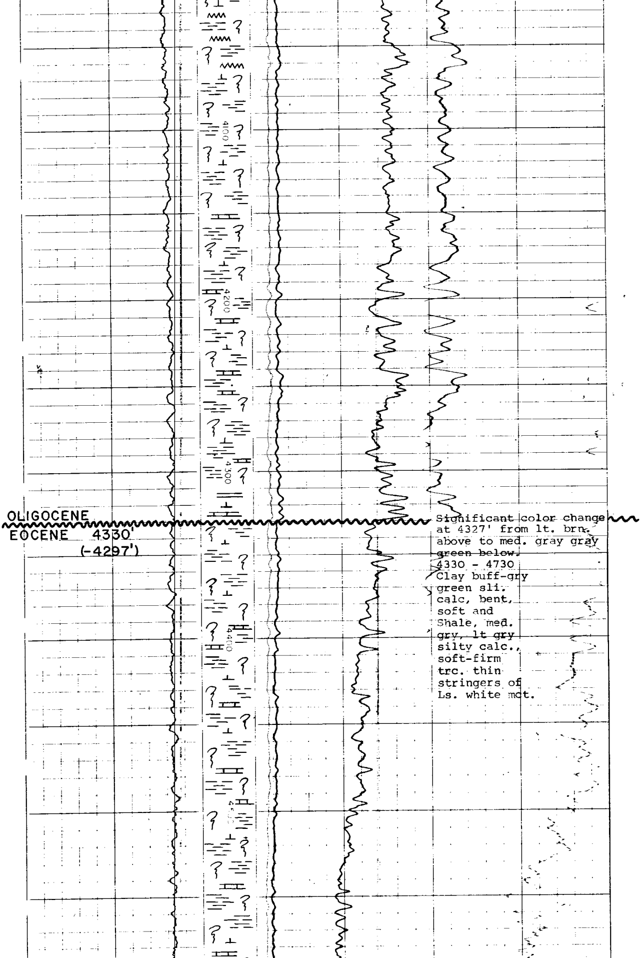


3675 - 3855
Clay, med gry,
sli silty soft.

3855 - 3900
Poor samples.
prob a clayey
sandy Siltst.

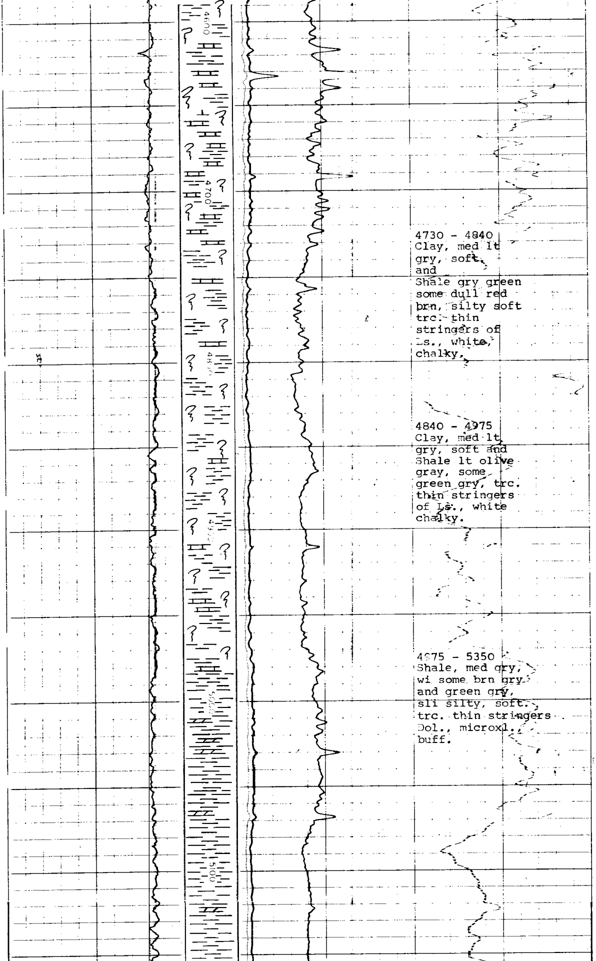
Significant color change at 3900' from med. gray above gray-lt brn.below.

3900 - 4500
Shale, med gry calc., mica, soft. and Clay, med. gry lt brn. bent calc, soft thin stringers of Siltstone med brn calc., arg, soft thin stringers of ls. buff mct.



Significant color change at 4327' from lt. brn. above to med. gray gray green below.

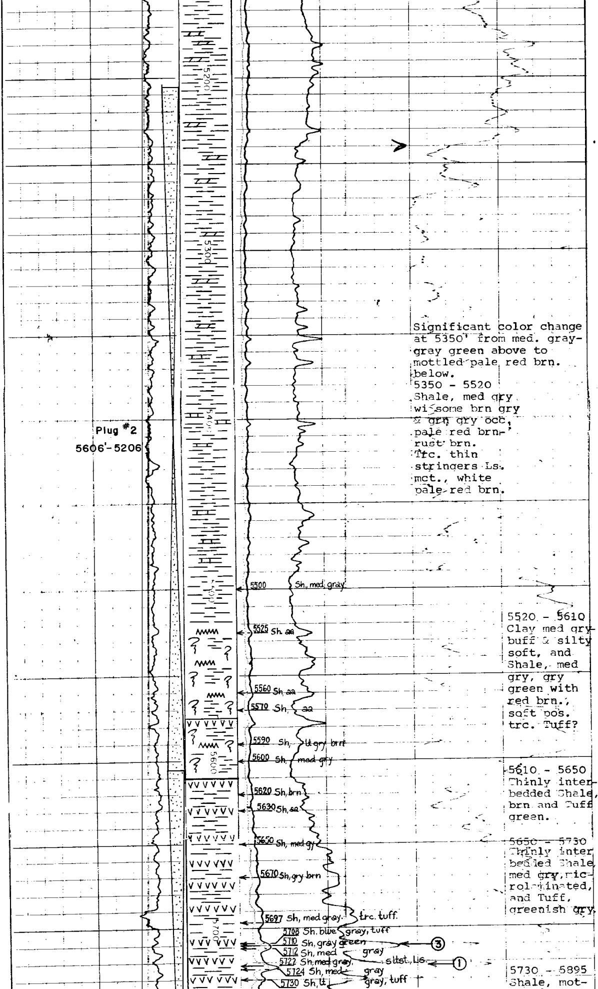
4330 - 4730
Clay buff-gry green sli. calc, bent, soft and Shale, med. gry, lt gry silty calc., soft-firm trc. thin stringers of Ls. white mot.



4730 - 4840
Clay, med lt
gry, soft,
and
Shale gry green
some dull red
brn, silty soft
trc. thin
stringers of
Ls., white,
chalky.

4840 - 4975
Clay, med lt
gry, soft and
Shale lt olive
gray, some
green gry, trc.
thin stringers
of Ls., white
chalky.

4975 - 5350
Shale, med gry,
wi some brn gry
and green gry,
sli silty, soft.
trc. thin stringers
Dol., microxl.,
buff.



Significant color change at 5350' from med. gray-gray green above to mottled pale red brn. below.

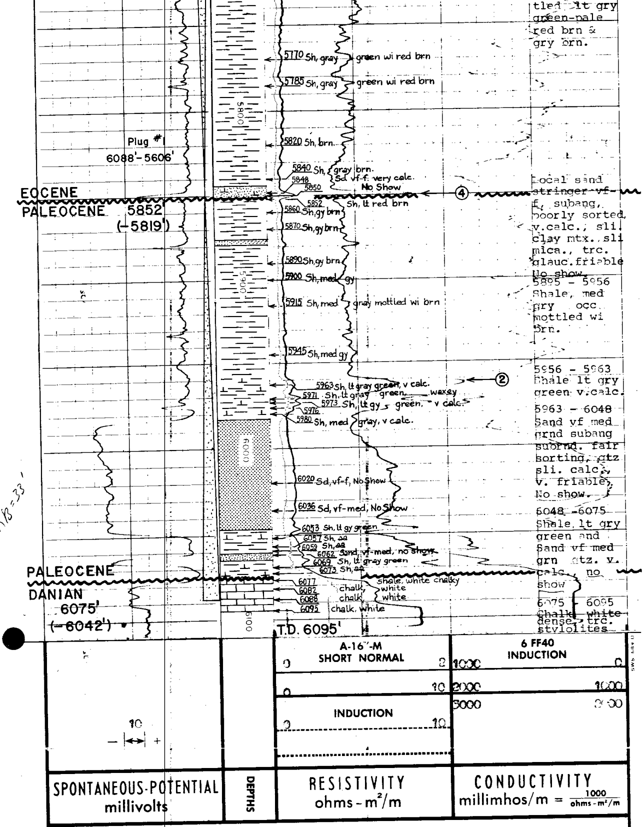
5350 - 5520
Shale, med gry wi some brn gry & grn gry occ, pale red brn-rust brn.
Trc. thin stringers Ls. mct., white pale red brn.

5520 - 5610
Clay med gry-buff & silty soft, and Shale, med gry, gry green with red brn., soft pos. trc. Tuff?

5610 - 5650
Thinly interbedded Shale, brn and Tuff green.

5650 - 5730
Thinly interbedded Shale, med gry, microlaminated, and Tuff, greenish gry.

5730 - 5895
Shale, mot-



COMPANY ESSO Exploration Norway Inc.

WELL 25/11 - 3

FIELD Wildcat

COUNTY Norway STATE North Sea

SCHL. FR 6094
SCHL. TD 6095
DRLR TD 6093
Elev:
KB 32.5
DF 31.0
GL -331.0

Formation Interval Test Results

NOTE: No Conventional Cores cut.
Only recovered Sidewall Cores shown.

Fit No.	Depth (feet)	Results
1.	5722	Reverse fire. Seal failure after 3 minutes. Recovered 300 cc mud. Sampling pressure ± 50 - 80 psi. Hydrostatic pressure 3500 psi.
2.	5962	Reverse fire. Immediate seal failure but tool open 25 minutes. Recovered 8800 cc mud. Sampling pressure 3250-3450 psi, hydrostatic pressure 3500 psi.
3.	5710	Reverse fire. Recovered 300 cc mud. Sampling time 14 minutes. Sampling pressure 0-50 psi, hydrostatic pressure 3500 psi. Valid test, very tight formation.
4.	5850	Reverse fire. Tool plugged immediately. No recovery.