SIMON PETROLEUM TECHNOLOGY WELL: 16/1-3

Print: 2630 N	Units: [✓ M] F	Top	Bottom	Scale	TD
Length: 26 FT	Initials: JPK	185	3500	1/500	3498

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY SPT

COMPLETION LOG

Completion Log

Esso Exploration and Production Norway Inc.

COMPLETION LOG

LICENCE: 001 ROUND: 1

Esso

16/1-3

11 APR 1984
REGISTRERT
OLJEDIREKTORATET

BLOCK MAP

LOCATION COORDINATES	
LATITUDE	58°48'48.90" N
LONGITUDE	02°02'56.45" W
RIG	GLOMAR BISCAY 11
KB ELEVATION	25m AMSL
WATER DEPTH	108m BMSL
TOTAL DEPTH	3498m BKB
	3473 SS
FORMATION AT TOTAL DEPTH	GRANITE BASEMENT

OPERATOR	ESSO
ARRIVED ON LOCN	28/07/82
SPUD DATE	29/07/82
REACH T.D.	09/09/82
RIG RELEASE	28/09/82
WELL STATUS	PLUGGED AND ABANDONED - NO TESTS.
MUDLOGGING BY	GEARHART GEODATA SERVICES LTD
PREPARED BY	CHESSEL/ZEEBREGTS
DATE	

CASING	
30"	196mKB
20"	506mKB
13 3/8"	1263mKB
9 5/8"	2727mKB
7"	
4 1/2"	

LOG	RUN NO.	DATE	INTERVAL (mKB)	BIT SIZE	MAX BHT (°F)	TIME SINCE CIRC / CIRC DURATION	MUD TYPE	MUD RESISTIVITY (Ω M)/TEMP (°F) SURFACE	MUD RESISTIVITY (Ω M)/TEMP (°F) BHT	MUD FILTRATE RESISTIVITY (Ω M)/TEMP(°F)
IEL/AC/GR 4ARM CALIP.	1-A 2-A	1/8-82 3/8-82	195-520 170-521	12 26	L 100 -	3/1	Sw-GEL "	0.339/70 -	- -	0.296/73
IEL/AC/GR 4 ARM CALIP.	3B 3B	10/8-82 10/8-82	506-1277 506-1201	17 17	110 110	4.5 1.25	Sw-GEL "	0.424/61 -	0.235/110°F -	0.358/64 -
TEMP/CCL IEL/AC/GR	4A 5C	12/8-82 29/8-82	10-1237 1242-2735	13 12	 154°	4.5 1.75	" Sw-GEL	- 0.355/86	- 0.205/154	- 0.258/74
CN/CDL/GR DLL/MLL/GR	5A 5A	29/8-82 29/8-82	1242-2737 2250-2732.5	12 12	170 179		" "	0.355/86 0.355/86	0.186/170 0.178/179	0.258/74 0.258/74
MFT SWC'S	5A 5A	30/8-82 30/8-82	1850-2750 1762-2729.8	12 12	150 -	- -	" "	- -	- -	- -
TEMP.-CCL IEL/AC/GR	6B 7-D	2/9-82 14/9-82	1235-2200 2724.5-3095.7	9 8	- 182	- 9/1.5	Sw-GEL "	- 0.436/64	- 0.164/182	- 0.255/66
CDL/CN/GR MFT'S	7B 7B	14/9-82 14/9-82	2724.5-3097.5 2741.5-3073.3	8 8	199 -	5/1.5 18/1.5	" "	0.436/66 -	0.155/199 -	0.255/66 -
SWC'S SRC	7B 7A	15/9-82 15/9-82	2733-3095	8 8	- -	- -	" "	- -	- -	- -
IEL/AC/GR	8E	19/9-82	2724-3269	8	206	12/1	Sw-GEL	0.379/62	0.126/206	0.252/66
CNL/CDR/GR	8C	19/9-82	3050-3271	8	206	10/1	Sw-GEL	0.379/62	0.126/206	0.252/66
IEL/AC/GR	8-F	19/9-82	MISRUN	8	206	"	"	0.379/62	0.126/206	0.252/66
DIP LOG DIP LOG	8A 8-B	19/9-82	MISRUN 2725-3270	8	212	-	Sw-GEL	-	-	-
MFT'S MFT'S	8C 8D	" 20/9-82	2742-3194.5 2742.5	8 8	- -		" "	- -	- -	- -
SWC'S	8-C	"	3101-3266	8	-	-	"	-	-	-
IEL/AC/GR	9-F	23/9-82	3200-3495	8	198	4.5/1	"	0.333/71	0.127/198	0.222/71
CNL/CD/GR	9-D	23/9-82	3050-3495	8	208	6.5/1	Sw-GEL	0.333/71	0.121/208	0.222/71

LITHOLOGY SYMBOLS

- CONGLOMERATE
- SAND,SANDSTONE
- SILT,SILTSTONE
- CLAY,CLAYSTONE
- SHALE
- LIGNITE/COAL, CARBONACEOUS, BITUMINOUS
- TUFF
- MACRO,MICRO FOSSILS
- △ ✱ ◆ M CHERT,GLAUCONITE, PYRITE,MICA
- LIMESTONE CALCAREOUS
- DOLOMITE DOLOMITIC
- CHALK
- MARL
- SALT
- ANHYDRITE
- IGNEOUS GRANITE

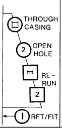
HYDROCARBON INDICATION

- SHOW OR STAIN
- CUT
- FLOUORESCENCE
- GAS SHOW

CASING SHOE.LINER
1° DEVIATION
N12°E DIRECTION
2° DIPMETER
2050M DEPTH MKB
(-2025M) DEPTH SUB SEALEVEL
1984MS TWO WAY TIME FROM SEALEVEL (VELOCITY SURVEEY)

■ CORED INTERVAL
☒ (NO RECOVERY)
▷ SIDEWALL CORE RECOVERED
▶ REC. W/SHOWS
PERFORATION INTERVAL
CEMENT PLUG INTERVAL

DST



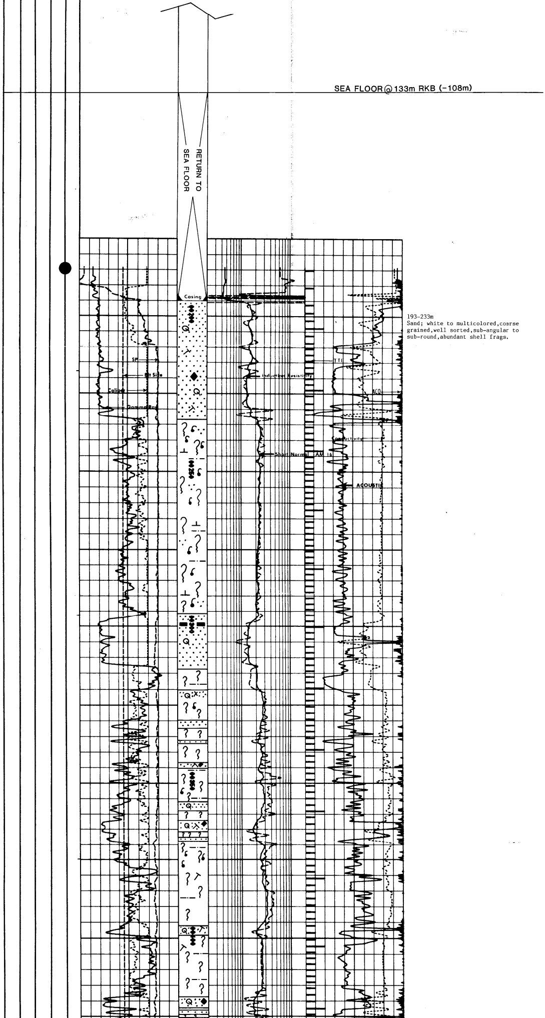
WELL SUMMARY

OBJECTIVE: PRIMARY OBJECTIVE WAS TO TEST THE HYDROCARBON POTENTIAL OF JURASSIC SAND RESERVOIRS IN THIS AREA. EOCENEAND PALEOCENE SANDS WERE CONSIDERED TO BE SECONDARY OBJECTIVES.

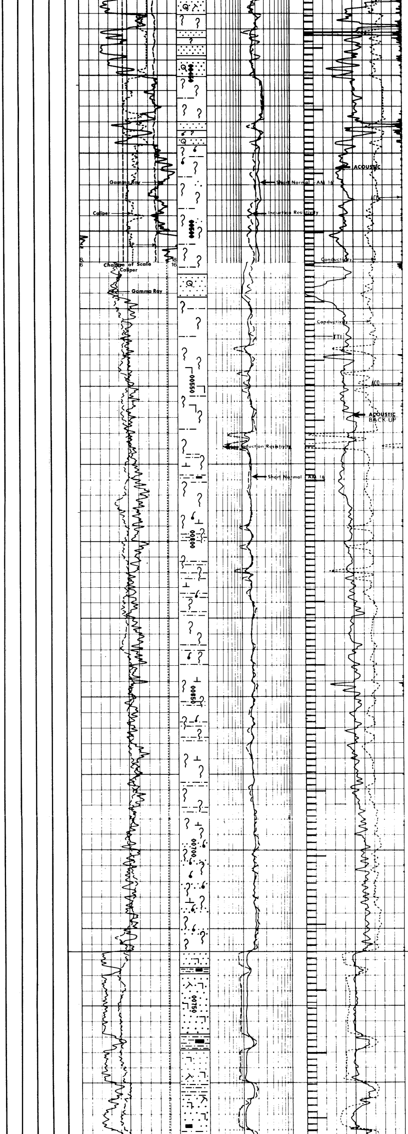
RESULTS: PLUG AND ABANDON WITH MINOR HYDROCARBON SHOWS IN PALEOCENE AND JURASSIC.

SYSTEM	SERIES	STAGE	GROUP	FORMATION	SPONTANEOUS POTENTIAL 0 GAMMA RAY 100 API UNITS 6 CALIPER INCHES 16	LITHOLOGY 1 : 500 MKB	RESISTIVITY (OHMS M^2/M) 0.2 DEEP INDUCTION 20 20 RILD 2000 0.2 FOCUSED RESISTIVITY 20 20 RSFL 2000	INTERVAL TRANSIT TIME (MICROSECONDS PER FT) 100 0 200 BACKUP △T 100	

MEAN SEA LEVEL @ 25m

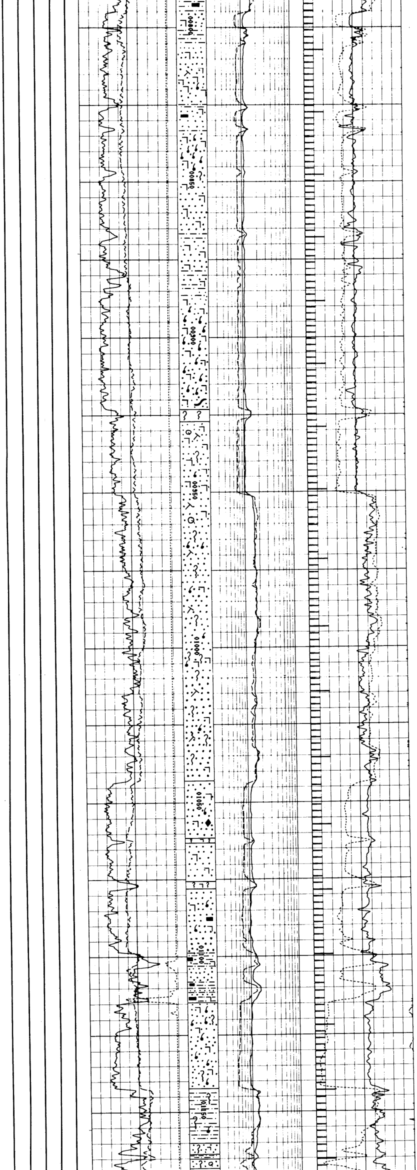


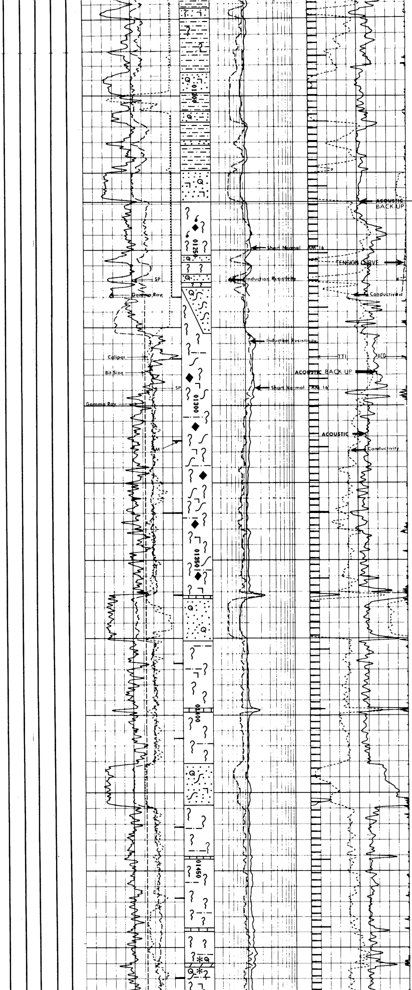
193-233m
Sand; white to multicolored,coarse grained,well sorted,sub-angular to sub-round,abundant shell frags.



Top Miocene (Utsira Fm) 732m (-707)

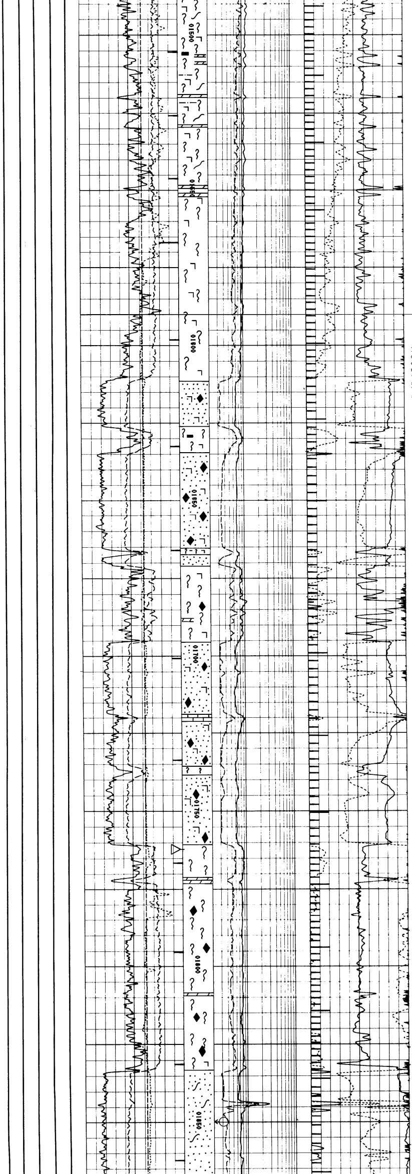
Sand,clear,quarts fine to medium grained,unconsolidated well sorted, rounded to angular,silty in part, trace carbonaceous & mica abundant. Shell fragments.Chalk matrix towards base.





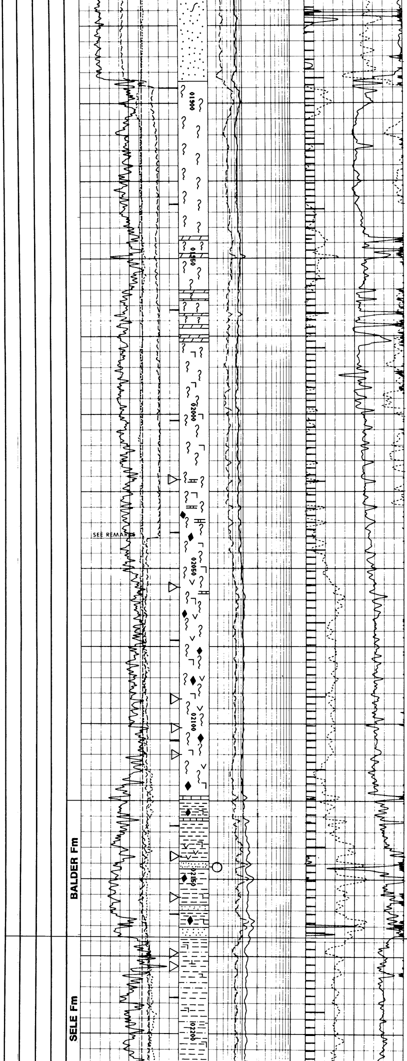
1234m
Top Oligocene (-1209)

Predominantly claystone,med.brown to grey brown sandy and silty in part minor limestone bands.



1590m
Top Eocene (-1565)

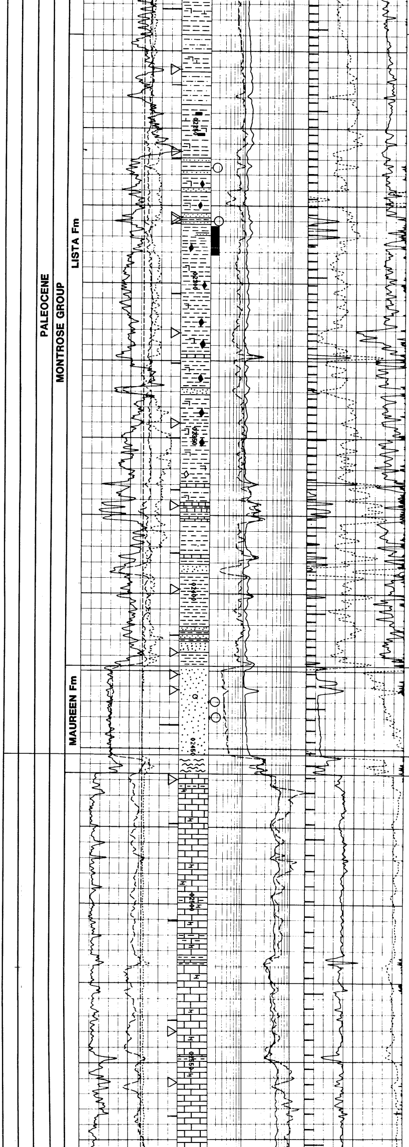
Interbedded sands and claystone claystone in light grey green,with occasional limestone streak,trace micaceous and pyrite.Sands are fine to medium grained,micaceous.Well sorted subrounded quarts grains. Variable poor to good porosity.No shows.



2125m-2168m
Shale,med.dark grey,silty in part
and tuffaceous minor interbedded
sandstones with poor intergranular
porosity.

2168m
Top Paleocene (-2143)
Sele Fm

Shale;med.grey fissile,soft trace
silty and micaceous



2219m

Lista Fm
Interbedded shales and siltstones. Shales are dark grey,micromicaceous silty.Siltstones-white to light grey trace argillaceous.

Thin sandstones.Buff fine grained, well rounded and sorted friable. Good intergranular porosity.Pale yellow fluorescence.Live oil stain.

Shales with interbedded sandstone and marl.

2423m
(-2398)

Danian Sand

Sandstone.Light grey,fine grained subangular,silty well sorted.Good intergranular porosity.No shows

2452m.

Ekofisk Fm
Lt.grey marl soft

2458m
(-2433)

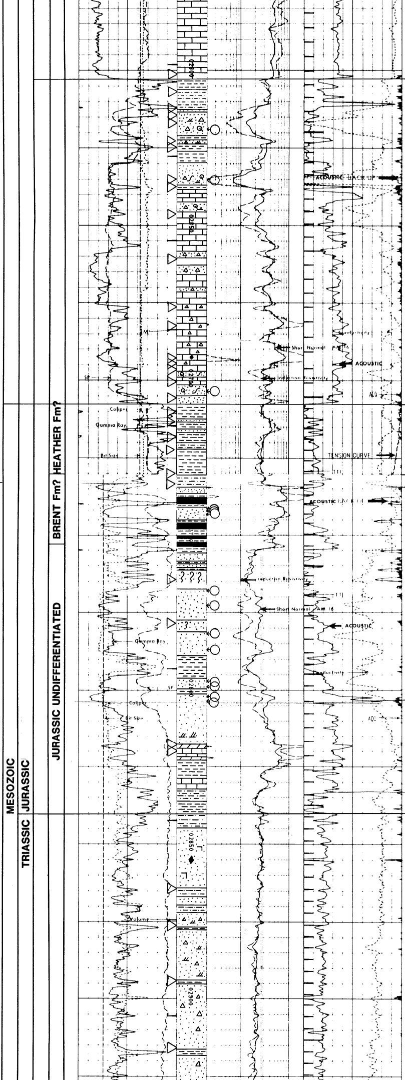
Limestone/chalk buff to white poor porosity to tight.No shows minor shale interbeds.

Westkant

Vikingr

benis

Topp Sleipner



2603m
Early Cretac. (-2578)

2603-2633
Interbedded sand,shale and siltstone shales are brick red and soft.Grading to dark grey brown sands are fine grained,glauconitic poor porosity.No shows.

2633-2707
Limestone with sand interbeds.Limestones are buff-cream.Abundant light grey chert inclusions.Sands are fine to coarse grained.cherty, argillaceous and glauconitic in part.

2707m
Top Jurassic (-2682)

Shale;dark brown silty in part. Minor thin sand and silt interbeds. Trace limestone.

2730m
(-2705m)

2730-2754 Interbedded coal,sandstone and shale.Coal is anthracite and hard.Shales are med.grey brown. Silty.Sands are fine to coarse grained,poorly sorted,unconsolidated.Excellent porosity.No visible shows.

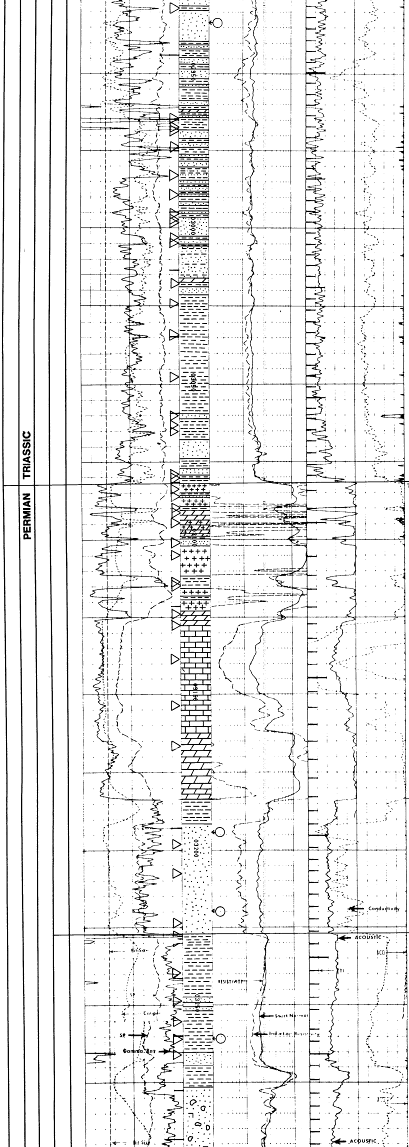
2754-2840
Sandstone with minor shales.Thin limestone and dolomite beds towards base.Sands are med.to coarse grained.Moderate sorting.Poor to fair porosity.No shows.

T. Dunl ?

T.Tr ?

2840m
Top Triassic (-2815)

Interbedded sandstones and shales.
-Sandstones generally mottled white to red very fine to coarse grained,poorly sorted,kaolinitic and calcareous cement in part. Patchy good porosity.
-Shales-brick red silty and sandy micromicaceous in part.Common lt. grey green shale bands towards base.



3082m
Top Zechstein group. (-3057m)

3082-3162m
Anhydrite and dolomite with minor sand beds. Dolomites are anhydritic white, microcrystalline.

3128-3162 Limestone
White to buff, micritic. Tr. Dolomitic trace argillaceous.

3162-3183
Dolomite-buff to light brown, micro to fine crystalline.

3189
25
3159

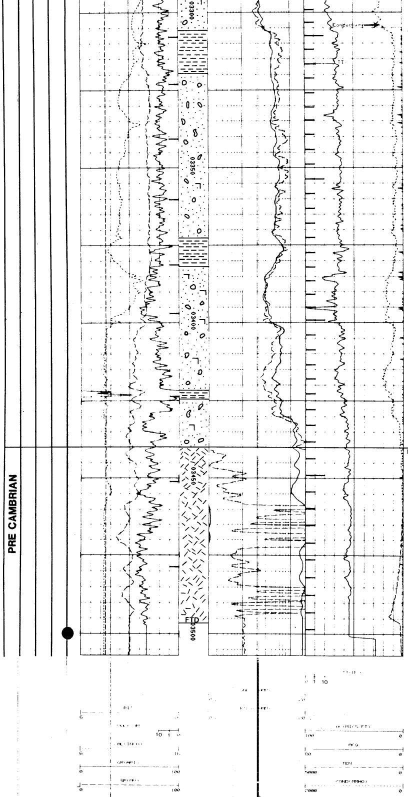
3191-3227
Sandstone. Reddish to dark brown very feldspatic. Very fine to coarse grain fine intergrain porosity.

3227m
Top Rotliegendes. (-3202)

3227-3230 Kupferschiefer shale, greyish

3230-3265 Shale, dark grey, blocky, sub. fissile carbonaceous in part.

3276-3306
Sandstone-light brown to orange quartzose and feldspatic. Fine to very coarse grained conglomeratic, poorly sorted. Good porosity. No shows.



Red brown to brick red shale.

Sandstone,conglomeratic light reddish brown abundant well rounded quarts pebbles.Good porosity.No shows.

Red brown shale.

Conglomeratic sandstone.Light orange.Feldspathic med.to coarse grained abundant boitite and muscouite.

Basement granite 3440m (-3415m)

Company [illegible]	Drillers T.D. [illegible]
Well [illegible]	Log F.R. [illegible]
Field WILDCAT	Log T.D. [illegible]
County NORTH SEA	Elevations:
State NORWAY	K.B. [illegible] D.F. [illegible] G.L. [illegible]