SIMON PETROLEUM TECHNOLOGY

WELL: 9/4-2

Print: 2379 C Units: M [✓ F]

Length: 24 FT Initials: IC

Top	Bottom	Scale	TD
324	9926	1:500	9926

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY

COMPLETION LOG

IR-101.1

11 - 29

TEXACO PRODUCTION SERVICES LTD.

COMPOSITE WELL LOG - 9 / 4 - 2

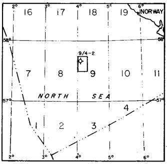
(C)

FIELD OR AREA WILDCAT
STATE OR PROVINCE: NORTH SEA

CONCESSION: OFFSHORE BLOCK 9/4
COUNTRY: NORWAY

LOCATION - CO-ORDINATES
LATITUDE: 57°41' 11·050" N
LONGITUDE: 04°02'34·851" E
GRID OR OTHER LOCATION:

LOCATION MAP



ELEVATION: (KB TO SEA FLOOR) 324'
REFERENCE DATUM (KB): 95' ABOVE MSL
PERMANENT DATUM: MSL

TOTAL DEPTH: 9926'
PLUG BACK DEPTH: ———

DATE SPUDDED: 19 JULY 1970
DATE TOTAL DEPTH REACHED: 26 AUG 1970
DATE COMPLETED: 29 AUG 1970

COMPLETION STATUS: P & A

GEOLOGIST	INTERVAL LOGGED
E.R.Killian	324' - 9926'

MUD LOG BY: CORELAB
INTERVAL: 680' TO: 9926'

CORE No.	CORE INTERVAL	RECOVERY
	SIDEWALL CORES DETAILS ON LOG	

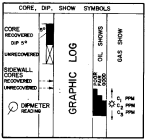
TEST No.	TEST INTERVAL	RESULT
	NONE	

WIRELINE SURVEYS	INTERVAL
IES 1	943' - 4563'
IES 2	4553' - 9012'
IES 3	8900' - 9926'
BHC S 1	943' - 4563'
BHC S 2	4553' - 9012'
BHC S 3	8900' - 9926'
GR 1	324' - 4563'
GR 2	4553' - 9012'
GR 3	8900' - 9926'
CDM	4553' - 9012

LITHOLOGIC SYMBOLS

░	SAND, SANDSTONE
▤	SILT, SILTSTONE
▤	CLAY, CLAYSTONE, SHALE
≈	MARL
▦	LIMESTONE
▦	DOLOMITE
▨	ANHYDRITE
■	COAL, LIGNITE
⊥	CALCAREOUS
⊐	SALT
☐	
☐	
□□	PYRITE ☐
△△	CHERT ☐
∨∨	MICA ☐
V V	GLAUC ☐
e e	FOS., SHELLS ☐

CORE, DIP, SHOW SYMBOLS



DRLG. CONTRACTOR: RIMROCK
RIG: GULFTIDE
RIG SPECS:

HOLE SIZE	INTERVAL
38"	324' - 680'
26"	680' - 2000'
17½"	2000' - 4560'
12¼"	4560' - 9926'

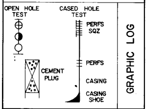
MUD TYPE	INTERVAL
SEA WATER GEL WITH SPERSENE	324' - 9926'

CASING	SHOE	TYPE + CEMENT
36"	574'	
20"	926'	
13⅜"	4553'	

PLUG No.	CEMENT	INTERVAL + PURPOSE
1.	100 SX	9820' - 9926'
2.	350 SX	7885' - 8450'
3.	500 SX	4410' - 4748'
4.	150 SX	350' - 470'

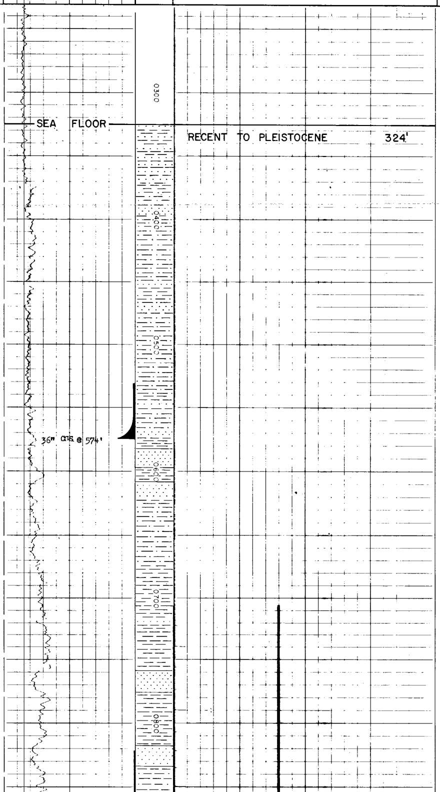
PERFORATIONS	DETAIL
NONE	

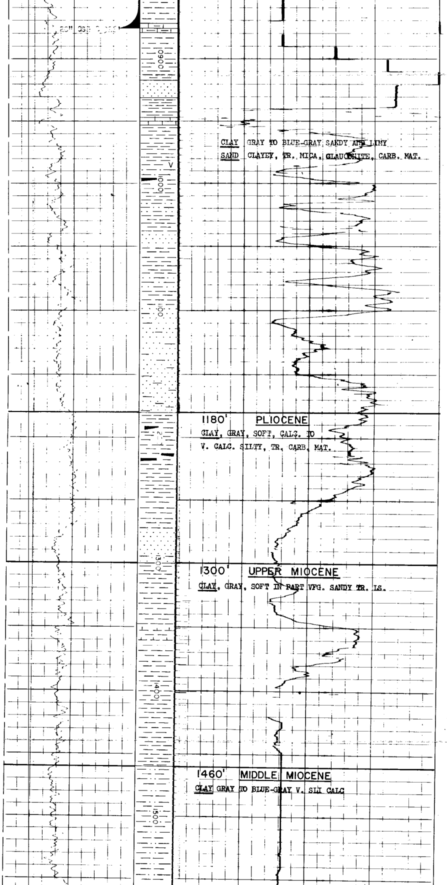
TEST AND ENGINEERING SYMBOLS



DRAWN BY: TRACED BY: R.D.M. DATE : 6 AUG 1971

GAMMA RAY API UNITS	DEPTH SCALE 1:500	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
0 120	GRAPHIC LOG	T3 R_1 2R_2
		140 90 40
		240 190 140
CALIPER HOLE DIAM. IN INCHES 6" 16"		





CLAY GRAY TO BLUE-GRAY SANDY AND LIMY

SAND CLAYEY, TR. MICA, GLAUCONITE, CARB. MAT.

1180' PLIOCENE

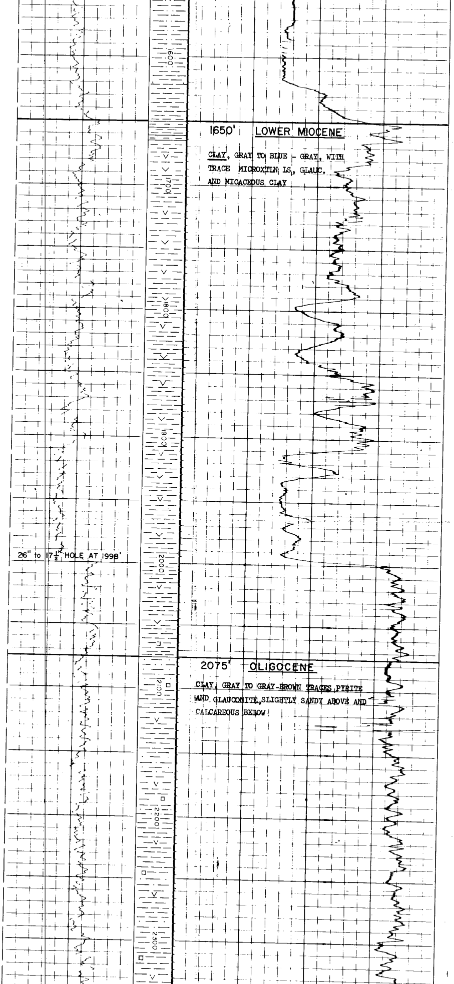
CLAY, GRAY, SOFT, CALC. TO V. CALC. SILTY, TR. CARB. MAT.

1300' UPPER MIOCENE

CLAY, GRAY, SOFT IN PART VFG. SANDY TR. LS.

1460' MIDDLE MIOCENE

CLAY GRAY TO BLUE-GRAY V. SLT CALC



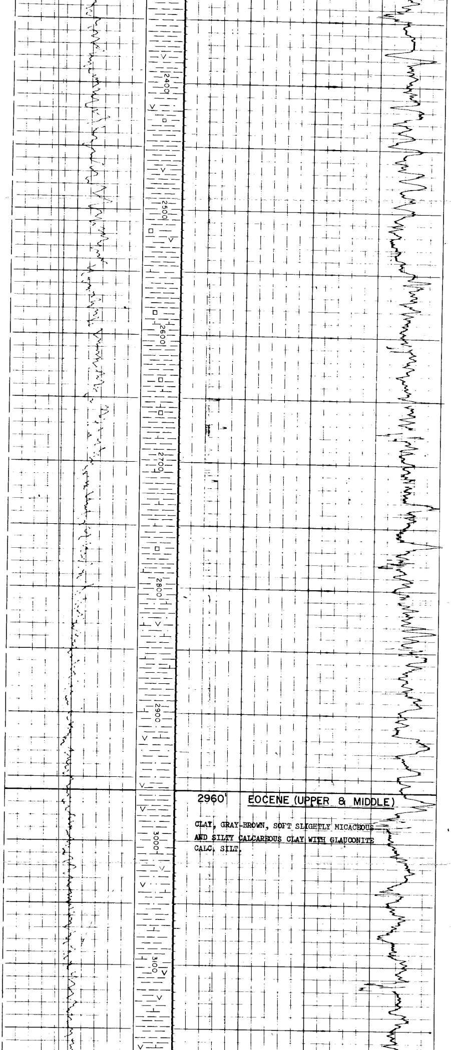
1650' **LOWER MIOCENE**

CLAY, GRAY TO BLUE - GRAY, WITH TRACE MICROXTLN LS, GLAUC. AND MICACEOUS CLAY

26" to 17½" HOLE AT 1998'

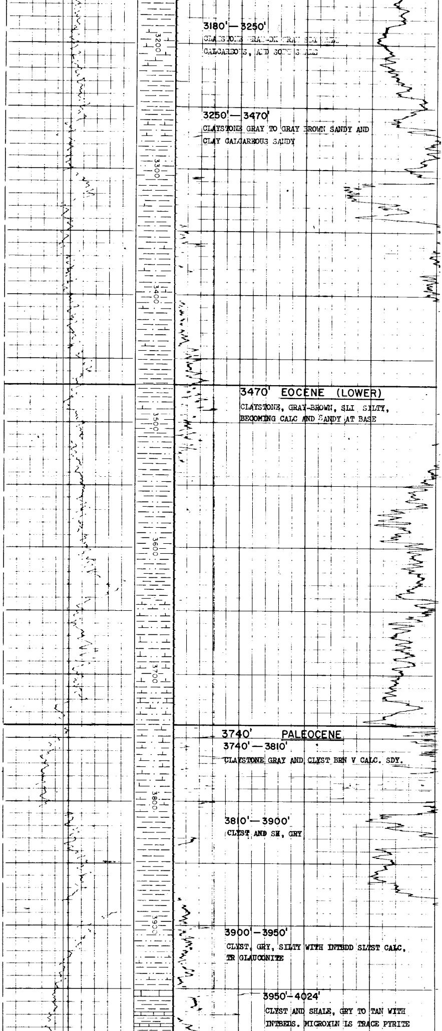
2075' **OLIGOCENE**

CLAY, GRAY TO GRAY-BROWN TRACES PYRITE AND GLAUCONITE, SLIGHTLY SANDY ABOVE AND CALCAREOUS BELOW



2960' **EOCENE (UPPER & MIDDLE)**

CLAY, GRAY-BROWN, SOFT SLIGHTLY MICACEOUS AND SILTY CALCAREOUS CLAY WITH GLAUCONITE CALC. SILT.



3180'—3250'

CLAYSTONE GRAY-DK GRAY SLI [illegible]
CALCAREOUS, AND SOFT SHALE

3250'—3470'

CLAYSTONE GRAY TO GRAY BROWN SANDY AND
CLAY CALCAREOUS SANDY

3470' EOCENE (LOWER)

CLAYSTONE, GRAY-BROWN, SLI SILTY,
BECOMING CALC AND SANDY AT BASE

3740' PALEOCENE

3740'—3810'

CLAYSTONE GRAY AND CLYST BRN V CALC. SDY.

3810'—3900'

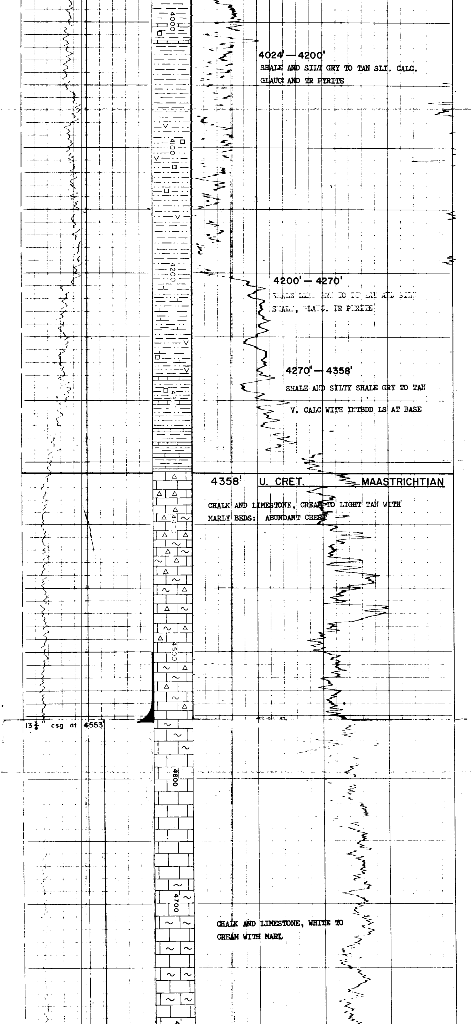
CLYST AND SH, GRY

3900'—3950'

CLYST, GRY, SILTY WITH INTBDD SLTST CALC,
TR GLAUCONITE

3950'—4024'

CLYST AND SHALE, GRY TO TAN WITH
INTBEDS. MICROXLN LS TRACE PYRITE



4024' — 4200'

SHALE AND SILT GRY TO TAN SLI. CALC. GLAUC. AND TR PYRITE

4200' — 4270'

SHALE LIT. GRY TO DK GRY AND SILTY SHALE, GLAUC. TR PYRITE

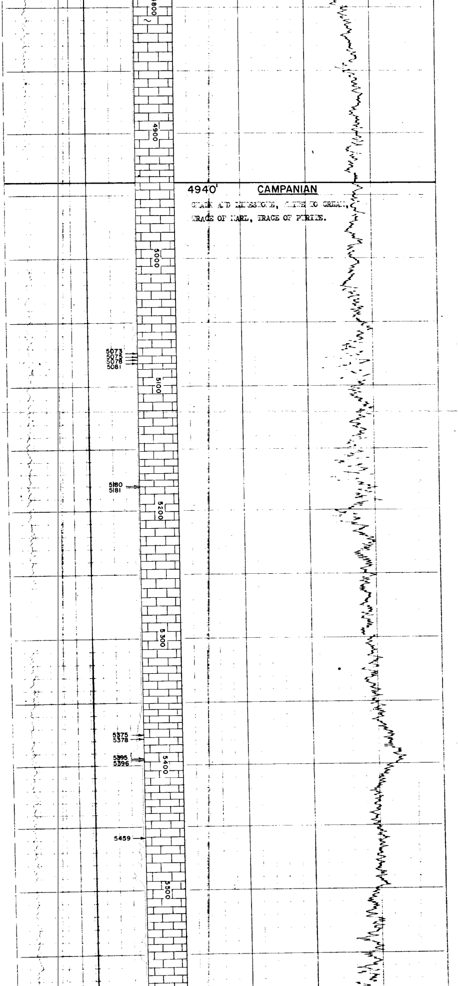
4270' — 4358'

SHALE AND SILTY SHALE GRY TO TAN V. CALC WITH INTBDD LS AT BASE

4358' U. CRET. MAASTRICHTIAN

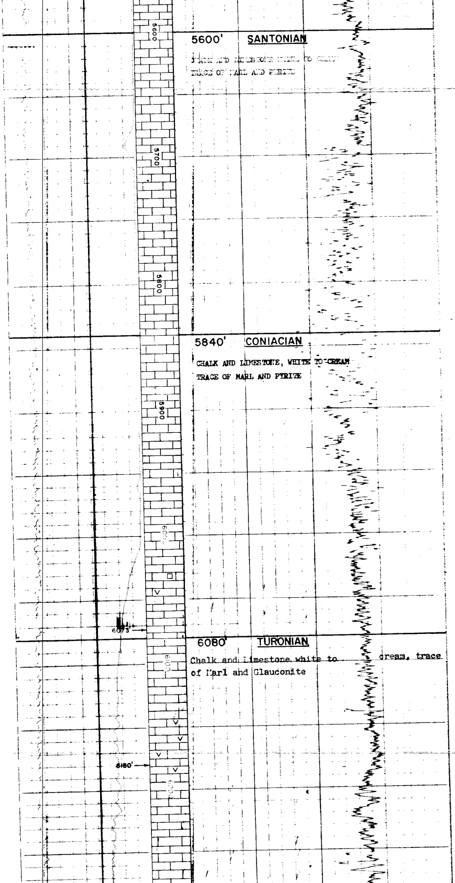
CHALK AND LIMESTONE, CREAM TO LIGHT TAN WITH MARLY BEDS: ABUNDANT CHERT

CHALK AND LIMESTONE, WHITE TO CREAM WITH MARL



4940' **CAMPANIAN**

CHALK AND LIMESTONE, WHITE TO CREAM, TRACE OF MARL, TRACE OF PYRITE.



5600' SANTONIAN

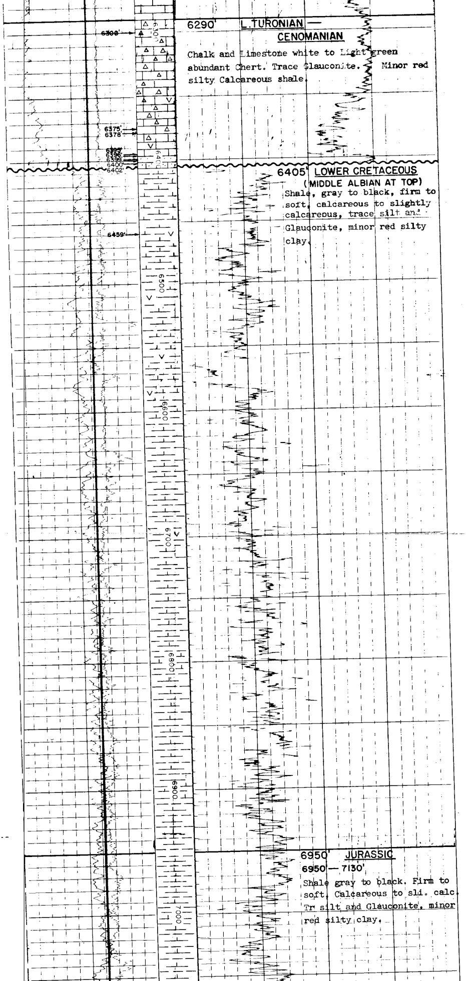
CHALK AND LIMESTONE WHITE TO CREAM
TRACE OF MARL AND PYRITE

5840' CONIACIAN

CHALK AND LIMESTONE, WHITE TO CREAM
TRACE OF MARL AND PYRITE

6080' TURONIAN

Chalk and Limestone white to cream, trace of Marl and Glauconite



6290' L.TURONIAN — CENOMANIAN

Chalk and Limestone white to Light green abundant Chert. Trace Glauconite. Minor red silty Calcareous shale.

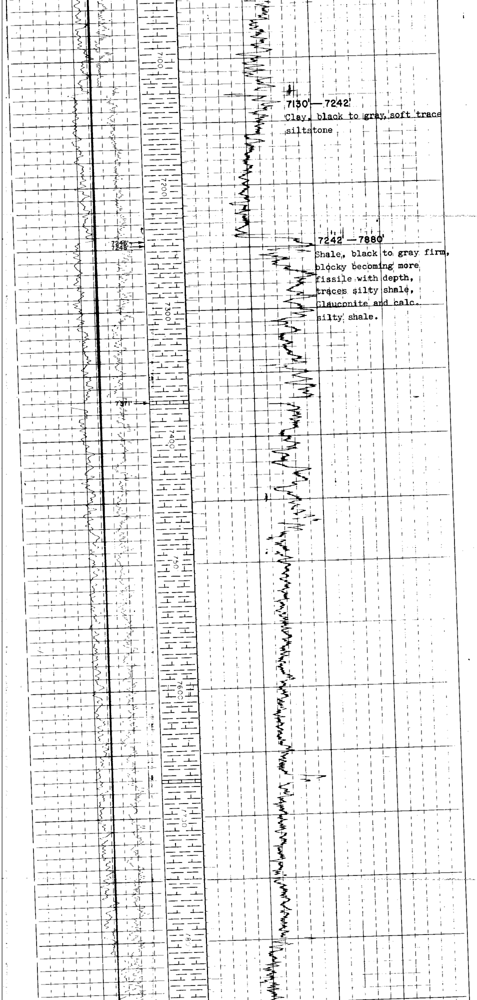
6405' LOWER CRETACEOUS (MIDDLE ALBIAN AT TOP)

Shale, gray to black, firm to soft, calcareous to slightly calcareous, trace silt and Glauconite, minor red silty clay.

6950' JURASSIC

6950' — 7130'

Shale gray to black. Firm to soft. Calcareous to sli. calc. Tr silt and Glauconite, minor red silty clay.

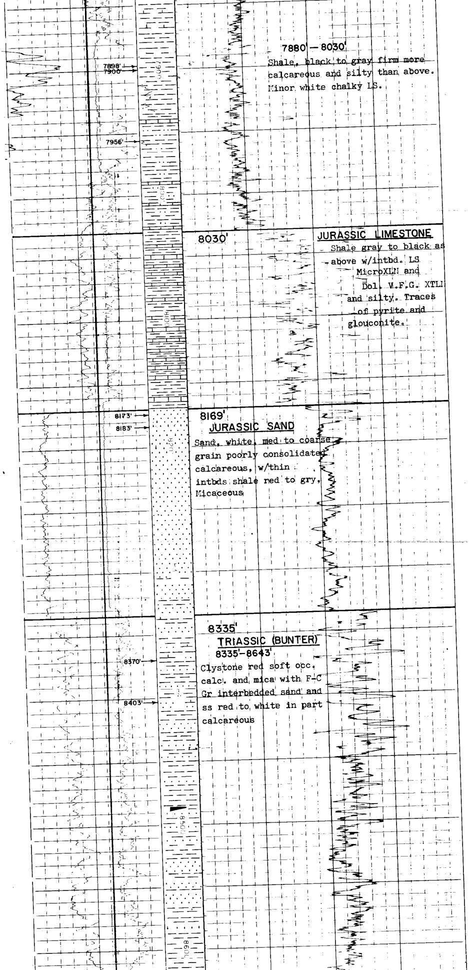


7130'—7242'

Clay, black to gray, soft trace siltstone

7242'—7880'

Shale, black to gray firm, blocky becoming more fissile with depth, traces silty shale, Glauconite and calc. silty shale.



7880' – 8030'

Shale, black to gray firm more calcareous and silty than above. Minor white chalky LS.

8030'

JURASSIC LIMESTONE

Shale gray to black as above w/intbd. LS MicroXLN and Dol. V.F.G. XTLI and silty. Traces of pyrite and glouconite.

8169'

JURASSIC SAND

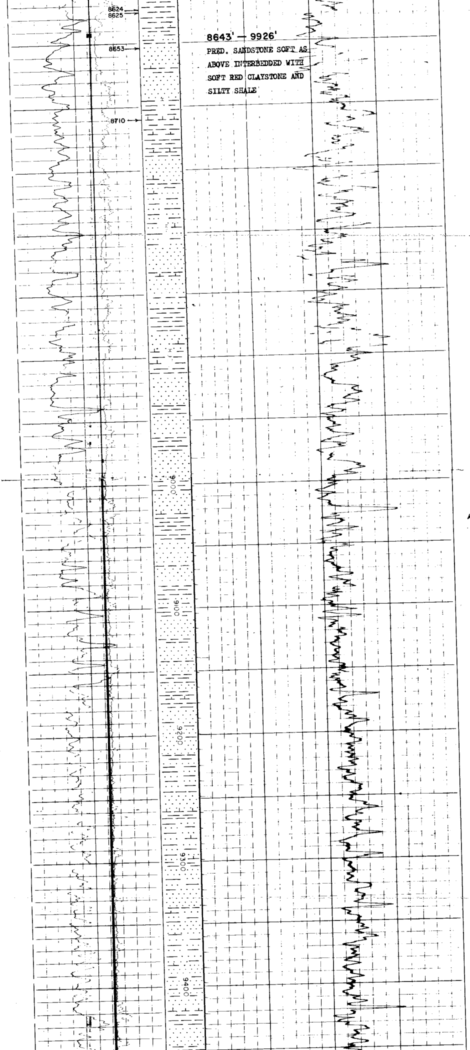
Sand, white, med to coarse grain poorly consolidated calcareous, w/thin intbds shale red to gry, Micaceous

8335'

TRIASSIC (BUNTER)

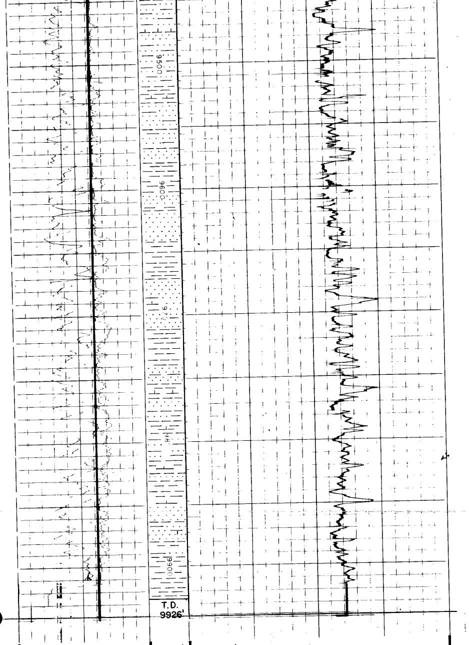
8335'–8643'

Clystone red soft occ. calc. and mica with F-C Gr interbedded sand and ss red to white in part calcareous



8643' — 9926'

PRED. SANDSTONE SOFT AS ABOVE INTERBEDDED WITH SOFT RED CLAYSTONE AND SILTY SHALE



6" 10"

CALIPER

HOLE DIAM. IN INCHES

7½ ft high

0 120

T 3 R 2 R

140 90 40

190 140

GAMMA RAY

API UNITS

DEPTHS

INTERVAL TRANSIT TIME

MICROSECONDS PER FOOT

COMPANY TENNECO OVERSEAS PETROLEUM CO.

WELL 9/4 - 2

FIELD [illegible]

COUNTY NORWAY STATE NORTH SEA

SCHL FD 9918

SCHL TD 9923

DRLR TD 9930

Elev KB 95

DF 94

GL - 230

SIDEWALL CORE DESCRIPTIONS

DEPTH	RECOVERY	LITHOLOGY	FLUORESCENCE
5073	½"	SOFT WH. CHALK	FAIR
5075	½"	HARD WH. CHALK	FAINT
5078	½"	HARD WH. CHALK	FAINT
5180	NR		
5181	FRAG	HARD WH. CHALK	FAINT
5375	NR		
5378	NR		
5395	FRAG	HARD WH. CHALK	MINERAL
5396	NR		
5459	NR		
6073	NR		
6180	FRAG	HARD WH. CHALK	MINERAL
6300	¼"	SOFT WH. CHALK	MINERAL
6375	½"	WHITE CHALK	FAINT
6378	NR		
6395	1¼"	SD, LT GRY, MICA F-M, GR, SLI, SHLY	FAINT SPOTTED
6396	1"	SD AND SS REDDISH F GR CALC	NO
6399	NR		
6400	NR		
6402	¼"	WHITE CHALK	SPOTTED
6459	2"	CLAY,GR-BLK, FIRM V. SLI. CALC.	NO
7246	1"	SHALE, GRY-BLK, MICA HD, SLI. CALC.	NO
7248	1"	AS ABOVE	NO
7371	1"	SHALE, GRY-GRN, SDY V. SLI. CALC.	NO
7898	1½"	AS ABOVE	
7900	1½"	CLAY, RD. MICA, CALC. SILTY	NO
7956	¼"	LS,WH,XLN, CHALKY	FAINT
8173	¾"	SH. V. CALC. BLK-GRY	NO
8183	1"	SD. F-M GR. NON-CALC.	NO
8370	1¾"	AS ABOVE	FAINT YELLOW
8403	1"	SD. GRAY, F-M GR. NON-CALC.	NO
8624	1¼"	AS ABOVE	NO
8625	1½"	SD. GRY-GRN F-M GRN V. CALC.	NO
8653	½"	AS ABOVE	FAINT YELLOW
8710	1¼"	SH. RD. SSTY, CALC, MICA	NO