SIMON PETROLEUM TECHNOLOGY WELL: 33/9-4

Print: 2262 F	Units: M F	Top	Bottom	Scale	TD
Length: 25 FT	Initials: JPK	225	3080	1/500	3075

DIGITAL WIRELINE LOGS PACKAGE
1994
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SIMON PETROLEUM TECHNOLOGY SPT

COMPLETION LOG

33/8-K

3

U-135

F

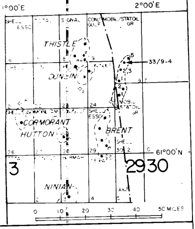
Completion - ø

MOBIL EXPLORATION NORWAY INC.

WELL 33/9-4

STATFJORD FIELD

FINAL COMPOSITE LOG



CO-ORDINATES 61° 19' 46.568" NORTH
01° 54' 43.042" EAST

ELEVATION: 25 m KB

SEA FLOOR - 144 m

TOTAL DEPTH: 3075.5 m

SPUD DATE: 30 JULY, 1975

RIG RELEASE DATE: 18 SEPTEMBER, 1975

WELL STATUS: OIL WELL, PLUGGED AND ABANDONED

LITHOLOGY SYMBOLS

- CONGLOMERATE
- SANDSTONE
- SILTSTONE
- CLAY
- M = MICACEOUS
- SHALE
- COAL LIGNITE PEAT
- MARL
- CHALK
- G = GLAUCONITIC
- LIMESTONE
- DOLOMITE
- ANHYDRITE
- GYPSUM
- P = PYRITE
- SALT
- METAMORPHIC
- PYROCLASTIC
- INTRUSIVE
- FOSSILS

SIDE WALL CORES
○→ NOT REC.
●→ REC.

CORES
No 2560
2600

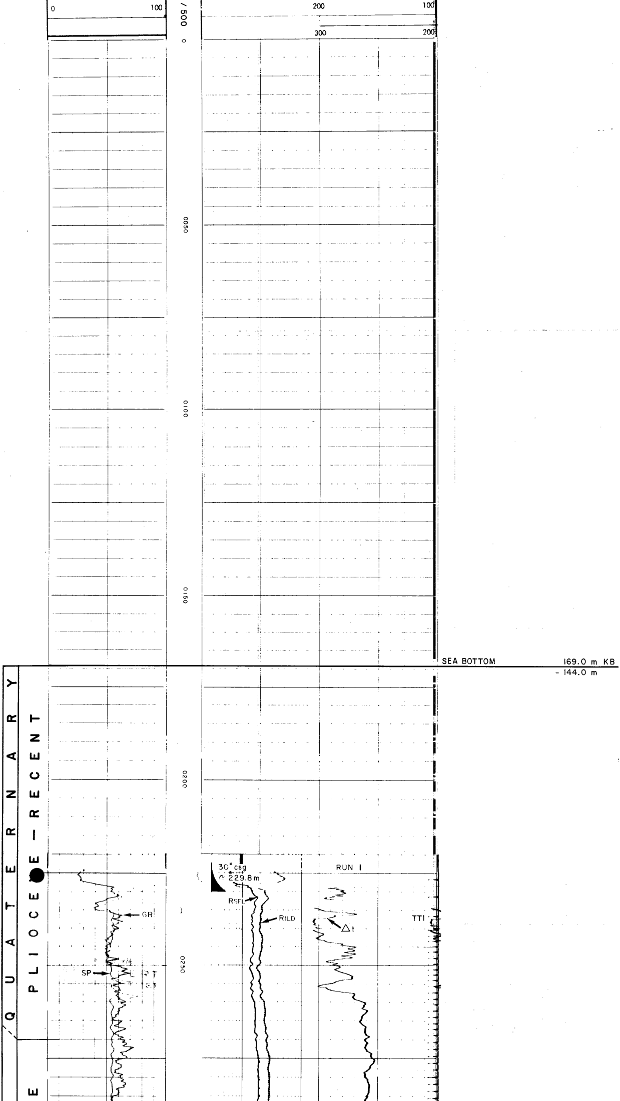
DST
2550m
① 2600m

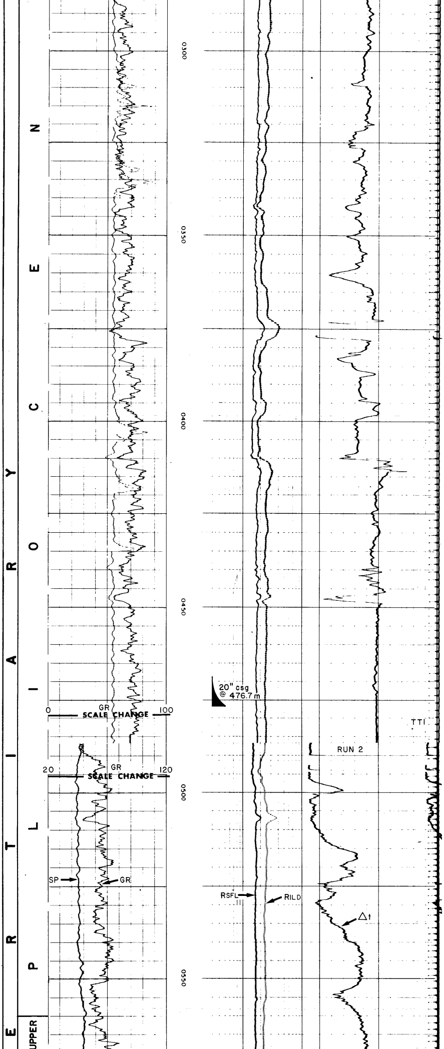
FIT
6820 ☐ 1

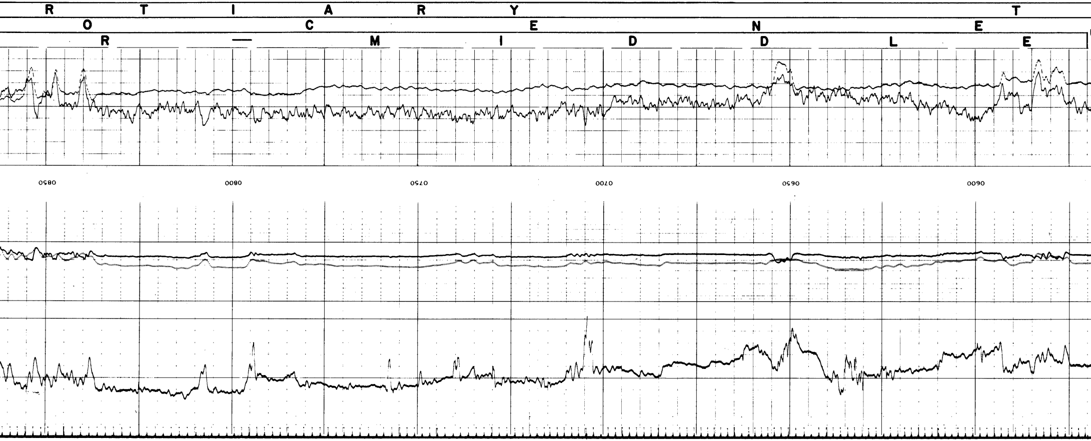
CASING SHOE
20 AT 616m

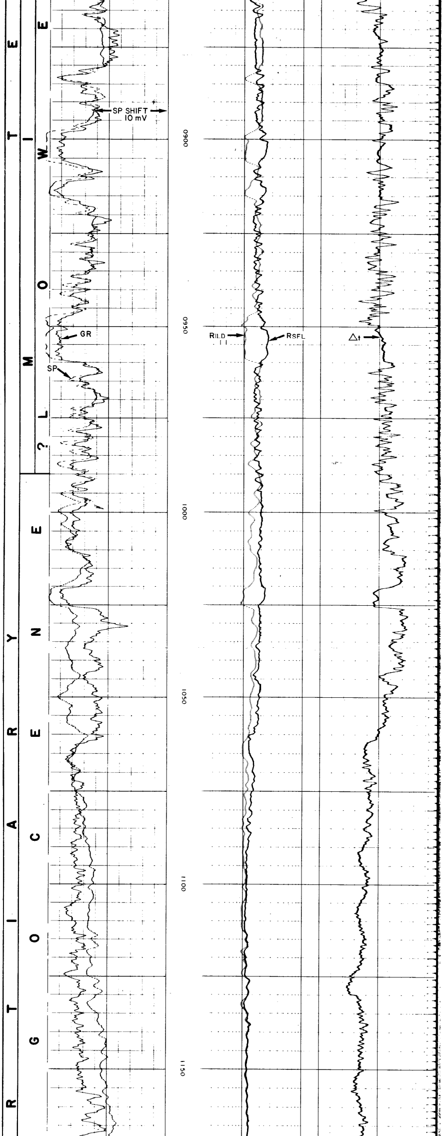
SPONTANEOUS POTENTIAL millivolts	Depths	RESISTIVITY ohms - m^2/m
10 ←→		DEEP INDUCTION RILD 0.2 1.0 10 100 1000 2000 FOCUSED RESITIVITY RSFL 0.2 1.0 10 100 1000 2000

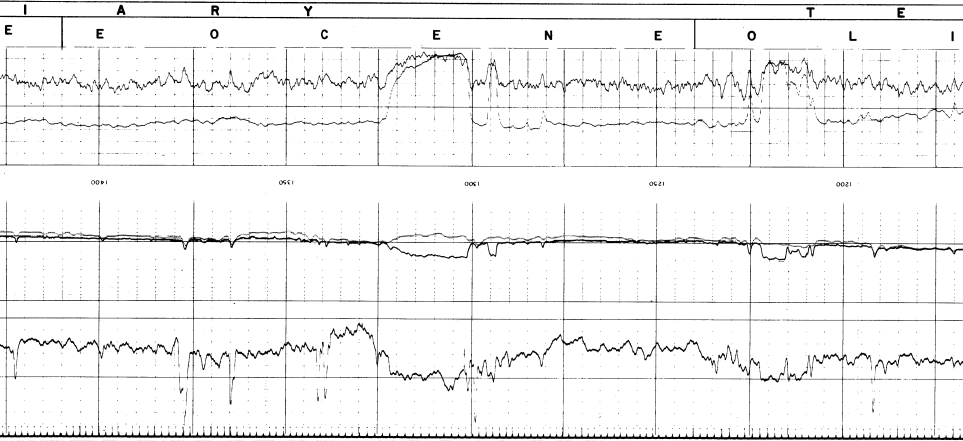
GAMMA RAY api units	Depths	INTERVAL TRANSIT TIME Δt microsecond per foot
		TTI

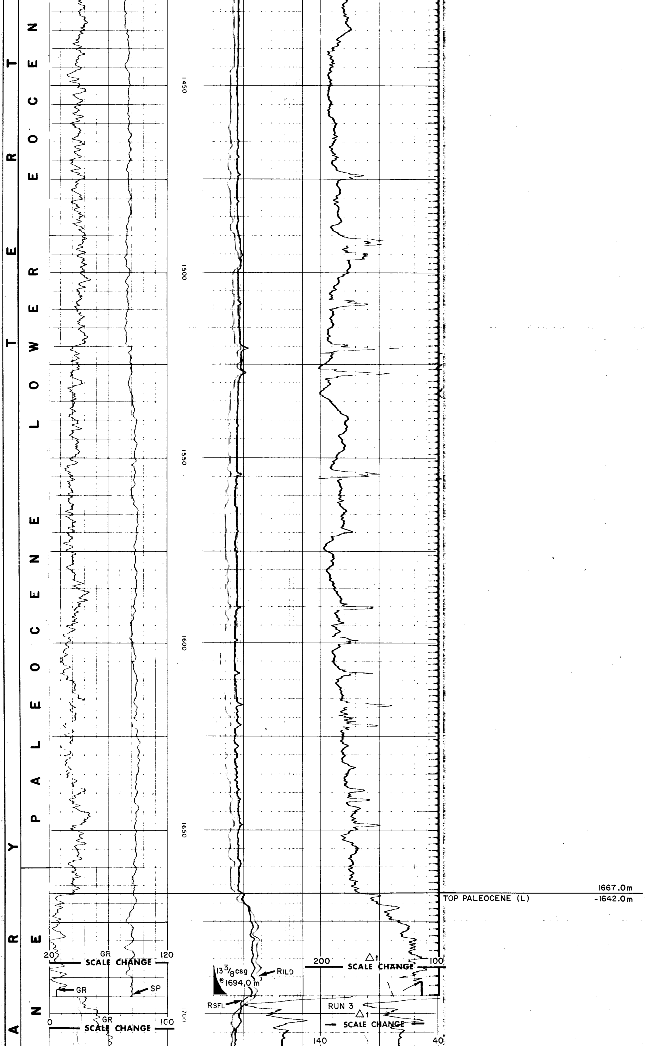


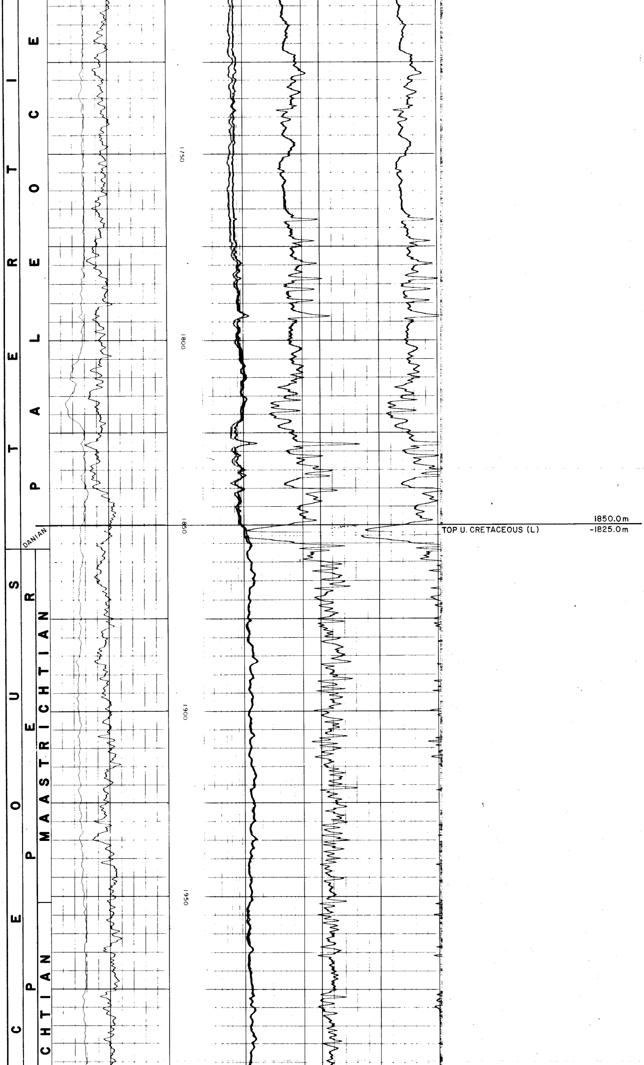


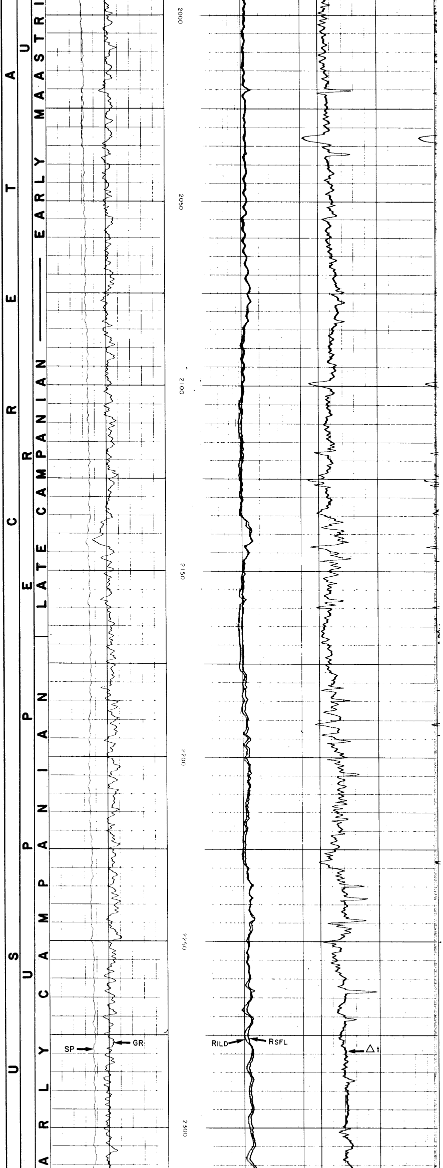


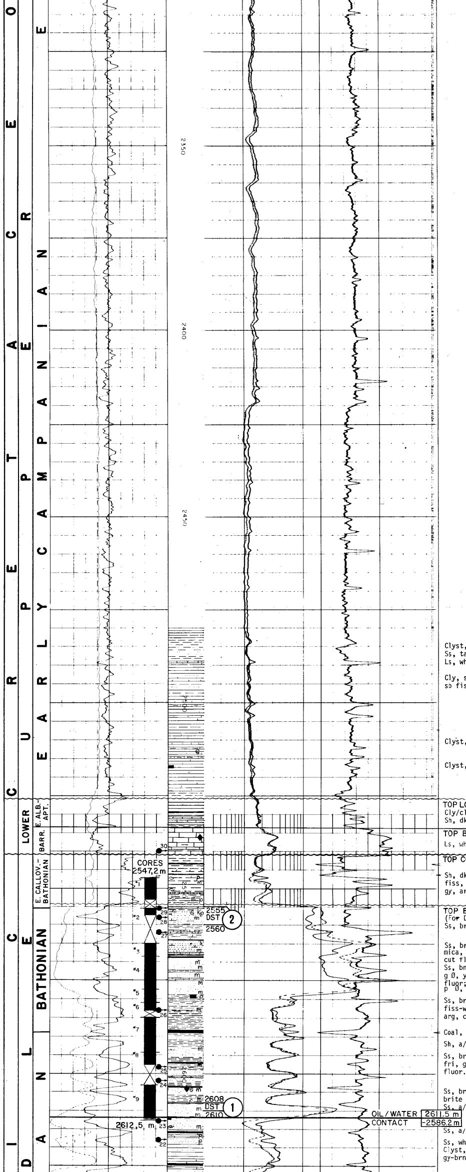












Clyst, m gy, firm, sb fiss, lam, occ mica, Ss, tan, ang, vf-f, f srtd, p 0, calc cmtd, Ls, wh, sft, mic xln

Cly, sft, gy and Clyst, calc, dk gy, firm, sb fiss-mod hd, splintery.

Clyst, calc, dk gy, a/a, glauc.

Clyst, a/a, carbonaceous

2526.0 m

TOP LOWER CRETACEOUS (L) - 2501.0 m

Cly/clyst, red, sft-firm, calc, tr Coal. Sh, dk gy, carb, micro mica, mod hd.

2537.7 m

TOP BARREMIAN LS -2508.7 m

Ls, wh, arg, sft; float calcite.

2541.0 m

TOP COLD SHALE FM. -2516.0 m

Sh, dk gy-blk, pyric, mica, carb, fiss-sb fiss, foss (belemnites); Ls, Oolitic, dk gy, arg, hd, dns.

2554.5 m

TOP BRENT FM -2529.5 m

(For Details See Core Descriptions)

Ss, brnshgy, slty-vc grnd, g0, fr show.

Ss, brnsh gy, f pbly-c grnd to f-m, mod srtd mica, g 0, brite yellow fluor, bl-wh flash cut fluor.

Ss, bnsh-gy, pred f-m, occ vf-f grnd mica g 0, yel-gold fluor, wh-yel wh mod fast cut fluor; Ls, wh-lt gy, micxln, v sdy-argill p 0, NS.

Ss, brn-olive, f-m, g 0, g show; Sh, blk, fiss-wxy, firm, carb, pyric, Ls, dk gy, slty-arg, carb, pyric, v hd, dns;

Coal, blk, glossy, bdd.

Sh, a/a.

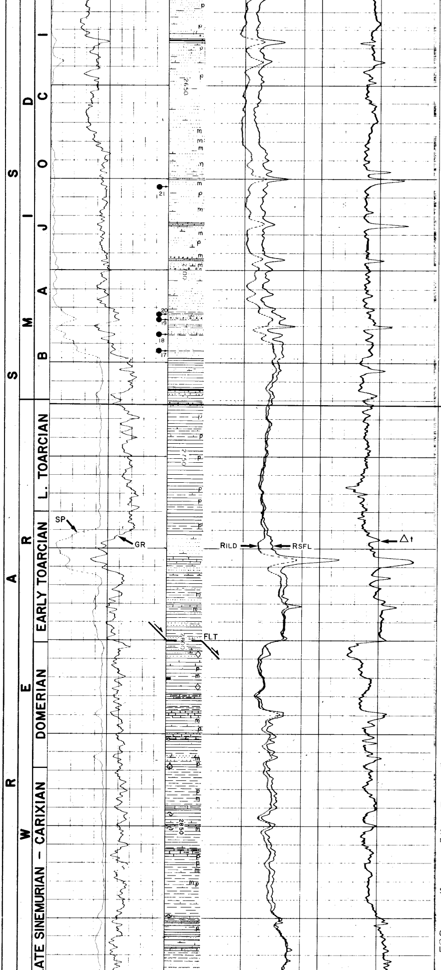
Ss, brn-olive, vf-m grnd, subang, wsrtd, mica fri, g 0, yel fluor, blsh wh flash-cldy cut fluor.

Ss, brnsh gy, vf-f, subang, w srtd, fri, g 0, brite yel fluor, blsh strmg-cldy cut fluor.

Ss, a/a m-c bcmg m-f grnd, g 0, dull-brite yel fluor, fast strmg blsh cut fluor.

Ss, a/a bcmg m-c grnd.

Ss, wh-lt brn gy, vf-crse, subang, mica, fr 0, Clyst, lt-dk gy, firm, mica, occ calc; Cly, lt, gy-brn gy, sft-mod hd, calc.



Ss, tan, gy, m-f, rr v c grnd, clr-milky qtz, sbrdd-ang, fri, sli calc cmtd, fr 0, tr yell fluor, slow yel strmg cut .

Ss, wh, lse, pyric,m, sm f-v crse, sbrdd-subang, NOSCOF.

Ss, vf-md, clr-milky qtz, subang-sbrdd, mod srtd, calc cmtd, fri, pyric.

Ss, a/a.

Ss, vf-m, ang, mod srtd, calc cmtd, p 0;
Ls, wh, sdy, crpxln, hd, Cly, m gy, sft.

Ss, vf-f, w srtd, ang, calc cmtd, mica, p 0.

Sd, v crse, subrdd.
Ls, crpxln, occ sdy, mica and pyric, lam, hd, dns.

Sd, bn gy, vf-crse, subang, calc cmtd.
Sh, m gy-brn gy, mod hd, mica, occ calc

Clyst. brn gy, mod hd, lam, carb, mica; tr Sh, dk gy, mod firm.

2736.5m
TOP DUNLIN FM. -2711.5m

Cly, m brn gy, sft, Clyst, dk gy, sli fiss;
tr Sh, blk, mod hd, pyric

Ss, wh-lt gy, slty-vf-f, ang-s bang, mod srtd, firm-fri, calc cmtd, p 0; Ls, wh-crm, sft-mod hd, mic-crpxln, chky.

Cly/Clyst, lt gy br-gy-dk gy, mic, sft-mod hd, sb fiss.

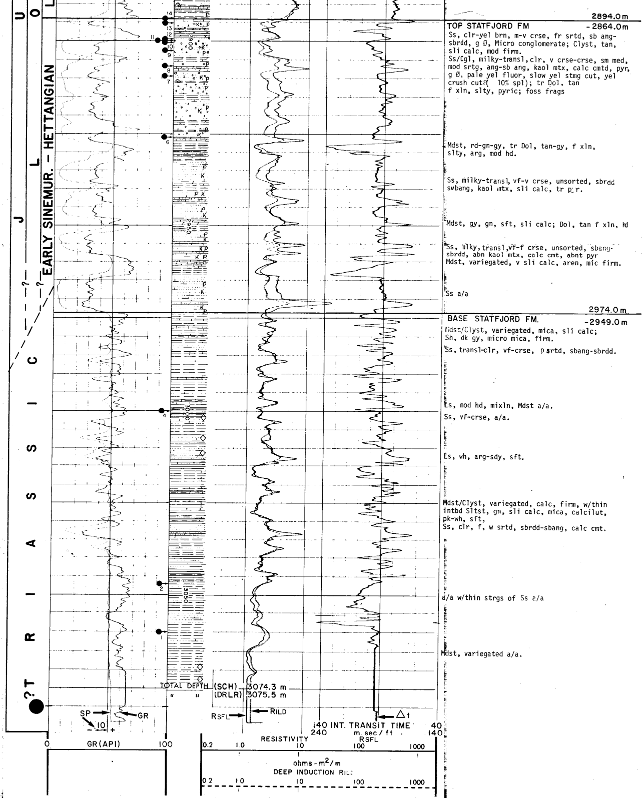
Cly/Clyst, a/a; Sh, dk gy, mica.
Ss, f-crse, clr-wh, lt bn, subang, fr-p srtd, mica, calc cmtd, f-p 0; pyr and wood frags.

Ls, tan, dolic?, micxln, hd, dns.

Sh, dk gy, mica, firm, Clyst, m gy, mica, lam, sb fiss; Ls, wh, mod hd.

Sh, a/a

Clyst, rd, sft-mod firm, non-calc, intbdd w/ Clyst, gy, calc.
Ls, wh, tan, lt gn, sdy, micxln, sft.



2894.0m

TOP STATFJORD FM -2864.0m

Ss, clr-yel brn, m-v crse, fr srtd, sb ang-sbrdd, g Ø, Micro conglomerate; Clyst, tan, sli calc, mod firm.
Ss/Cgl, milky-transl, clr, v crse-crse, sm med, mod srtg, ang-sb ang, kaol mtx, calc cmtd, pyr, g Ø, pale yel fluor, slow yel stmg cut, yel crush cut (10% spl); tr Dol, tan f xln, slty, pyric; foss frags

Mdst, rd-gn-gy, tr Dol, tan-gy, f xln, slty, arg, mod hd.

Ss, milky-transl, vf-v crse, unsorted, sbrdd subang, kaol mtx, sli calc, tr pyr.

Mdst, gy, gn, sft, sli calc; Dol, tan f xln, hd

Ss, mlky, transl, vf-f crse, unsorted, sbang-sbrdd, abn kaol mtx, calc cmt, abnt pyr
Mdst, variegated, v sli calc, aren, mic firm.

Ss a/a

2974.0m

BASE STATFJORD FM. -2949.0m

Mdst/Clyst, variegated, mica, sli calc;
Sh, dk gy, micro mica, firm.

Ss, transl-clr, vf-crse, p srtd, sbang-sbrdd.

Ls, mod hd, mixln, Mdst a/a.

Ss, vf-crse, a/a.

Ls, wh, arg-sdy, sft.

Mdst/Clyst, variegated, calc, firm, w/thin intbd Sltst, gn, sli calc, mica, calcilut, pk-wh, sft,
Ss, clr, f, w srtd, sbrdd-sbang, calc cmt.

a/a w/thin strgs of Ss a/a

Mdst, variegated a/a.

TOTAL DEPTH (SCH) 3074.3 m
" " (DRLR) 3075.5 m

WELL 33-9/4

Summary of Testing Operations

DST no. 1: Object: to obtain formation fluid samples from Brent just above OWC (at 2611 m).

Interval: 2608-2610m (8556'-8563')

Packer: 2568m (8425')

PBTD: 3022m (9915')

Bottom choke size: 2"

Cushion: Sea water to surface

Gas to surface: 70 mins

Oil to surface: 70 mins

Pressure Data	FLOPETROL		HOWCO	
Type gauge	Amerada no.8170	Amerada no.6432	BT5629	BT5623
Depth of gauge	2581m (8468')	2579m (8462')	2597m (8519')	2598m (8523')
Clock	24 hrs.	48 hrs.	48 hrs.	72 hrs.
Initial hydrostatic pressure, psig	6053	6057	6066	6084
Initial flowing period, psig - 20/64" choke (14 mins)	5456	5449	5577	5582
Initial shut-in period, psig (32 mins)	5513	5507	5643	5651
Second flowing period, psig - 20/64" choke (58 mins)	5440 **	5435 **	5566 **	5574 **
Second flowing period, psig - 14/64" choke (500 mins)	5505 *	5499	5619	5627
Second shut-in period, psig (145 mins)		no data	5635	5640
Third flowing period, psig - 20/64" choke (31 mins)		5445	5574	5582
Third shut-in period, psig (69 mins)		no data	5640	5646
Fourth flowing period,				