SIMON PETROLEUM TECHNOLOGY WELL: 6506/12-3

Print: 5609 K Units: (M) F Top Bottom Scale TD

Length: 33 FT Initials: RC 350 4360 1/500 4360

DIGITAL WIRELINE LOGS PACKAGE
1994

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SPT

COMPLETION LOG

15802

3 0 JAN. 1986
REGISTRERT
OLJEDIREKTORATET

statoil, MOBIL, AGIP, ARCO, TENNECO, N. HYDRO

PARTNERS

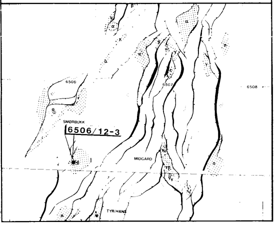
6506/12-3 BETA

PROSPECT STRUCTURE

COMPLETION LOG
Scale 1:500

AREA: HALTENBANKEN
LICENCE: PL 094
COORDINATES: 65° 01' 31,09" N
06° 53' 27,35" E
K.B.: 22 m
WATER DEPTH: 301 m
TOTAL DEPTH: 4360 m
DEEPEST FORM. PEN.: HALTEN GP.-ALDRA FM
SPUD DATE: 1st MARCH 1985
RIG RELEASE DATE: 18th JULY 1985
WELL STATUS: P&A: OIL AND GAS/ CONDENSATE DISCOVERY
RIG: ROSS ISLE
CONTRACTOR: ROSS DRILLING
GEOLOGISTS: BEYER, LAW, EIDE, TAJET, KORNSTAD, GRACE, KINGSLEY, BJERKNES, ALSTADSÆTER
PREPARED BY: M. GRACE DATE: JUNE 1985

LOCATION MAP



CASING DATA:		LEAK OFF TESTS:
30" at	401 m	—
20" at	940 m	1,65
16" at		—
13 3/8" at	2240 m	1,87
9 5/8" at	3809 m	1,83
7 at	4359 m	—

VELOCITY SURVEY: SCHLUMBERGER-WSS

CHECK SHOT LEVELS:
FROM 4350 EVERY 25m TO 2750m AND AT 2333.8, 2220, 2215, 2211, 2206, 2200, 1987, 1750, 1515, 1510, 1230, 945, 600
A TOTAL OF 77 LEVELS

LOGS RUN

CONTRACTOR: SCHLUMBERGER

ISF-LSS-MSFL-GR	LDL - CNL - GR	SHDT - GR	NGS	RFT- GR		CST - GR
(RUN 1A 6506/12-2 952 - SEABED) 1A 2248 - 940 2B 3830 - 2236 3C: DIL - LSS - GR 4359.9 - 3810	1A: 2249 - 940 (NO CNL) 2B: 3831 - 2236 (WITH NGT) 3C 4361.9 - 3810 (WITH NGT)	2A 3830 - 2236 3B 4362.4 - 3809	2A: 3831 - 2236 3B: 4361.9 - 3810 DLL/MSFL-GR-SP 3A: 4357.3 - 3809	3A: 3961 - 3840.5 (12 pressure points) Stuck at 3961 MW 1.20 3B: 3863 (sample) 3C: 4306 - 4302 (12 pressure points) MW reduced from 1.20 to 1.12	3D: 4308.5 - 3961 (14 pressure points) (sample at 4230) 3E: 4235 - 3865 (10 pressure points) 3F: 4343.4 - 4309 (9 pressure points) (sample at 4310.9)	2A: 3824 - 2281 51 shots 43 rec. 3B: 4351 - 4078 25 shots 22 rec. CBL/VDL - GR 2A: 2236 - 347 3B: 3797 - 2390 4C: 4287,2 - 3659 CEQL 4A: 4298 - 3659

COMMENTS:

1. 6506/12-2 WAS RESPUDDED AS 6506/12-3
2. 6506/12-3 WAS 38 m 256° FROM THE PROPOSED LOCATION FOR 6506/12-2 ON SEISMIC LINE ST 8403-402 A SP 1112, AND 47 m 325° FROM ABANDONED 6506/12-2.
3. THE NORMAL SAMPLING AND WIRELINE LOGGING PROGRAMMES WERE RECOMMENCED AFTER TD FOR 20" CASING. SAMPLES AND ISF-LSS-MSFL-GR (RUN 1A) PLAYBACK FROM 6506/12-2 ARE USED TO 955 m.
4. SHALLOW GAS WAS NOT ENCOUNTERED IN THE TOP HOLE SECTION OF 6506/12-3 (ALTHOUGH ENCOUNTERED AT 572 m IN 6506/12-2)

LITHOLOGICAL SYMBOLS

CONGLOMERATE
SHALE
MARL
COAL
LIGNITE
FORAMS
MICA
SAND
SANDSTONE
LIMESTONE
WOOD FRAGS
BURROWS
KAOLINITE

SILT
SILTSTONE

SHALE

SALT GENL

FOSSILS GENL

PYRITE

CHERT

CLAY
CLAYSTONE

DOLOMITE

ANHYDRITE

SHELL FRAGS

GLAUCONITE

SIDERITE

STAIN

FLUORESCENCE

CUT FLUOR

GAS SHOWS

SIDEWALL CORES

- REC
- REC W/SHOW
- NO REC

CORES

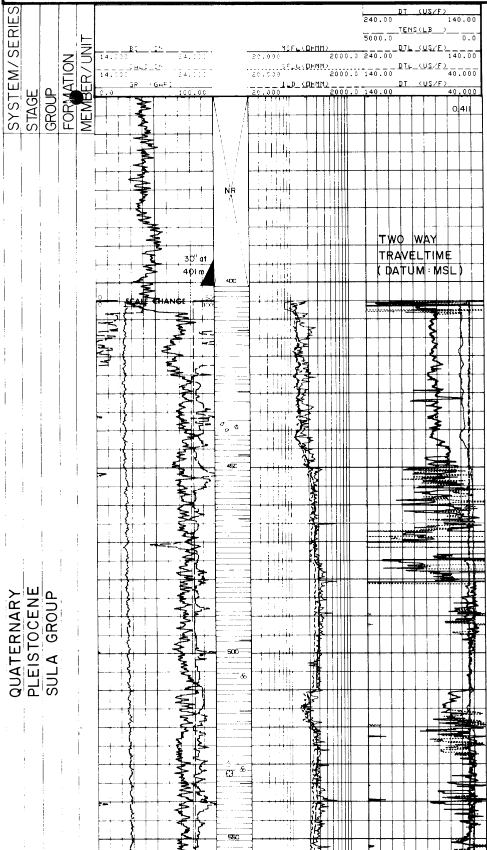
CORE N

DST

RFT/FMT

UNSUCCESSFUL

CASING SHOE LINER



LITHOLOGICAL

DESCRIPTION

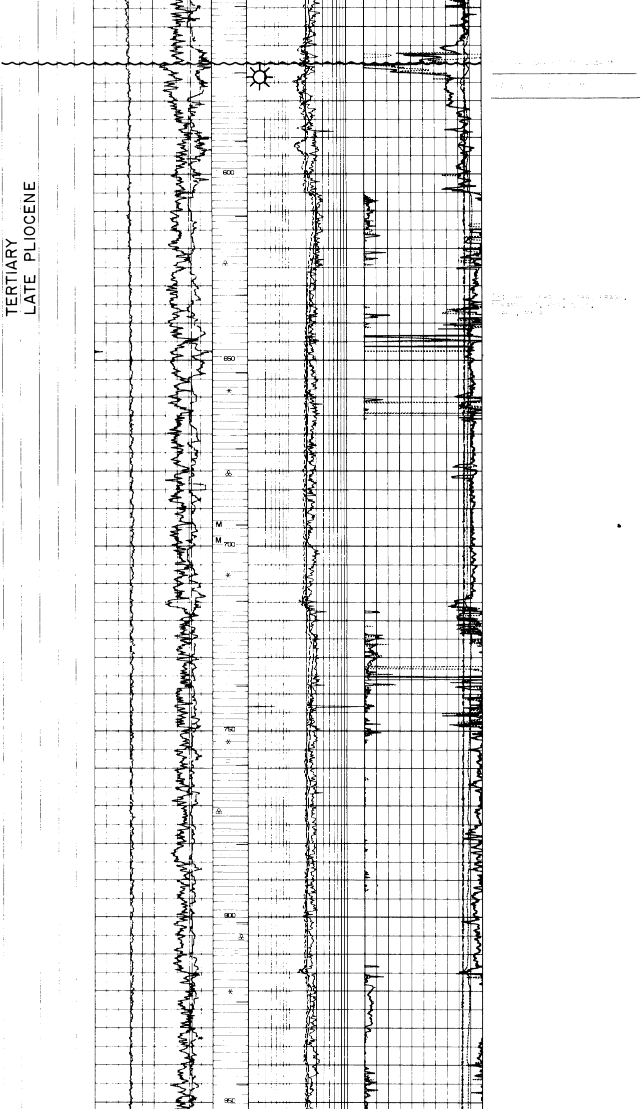
DEPTHS MKB (-MSL)

[illegible]

[illegible]

[illegible]

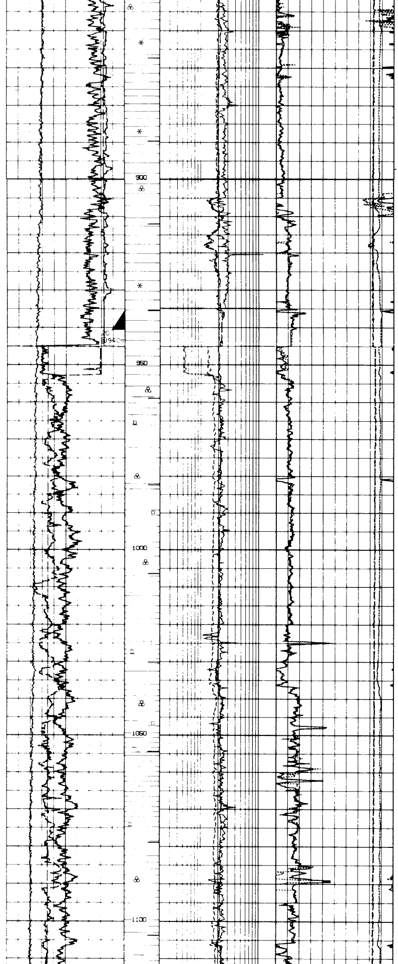
[illegible]



TERTIARY

LATE PLIOCENE

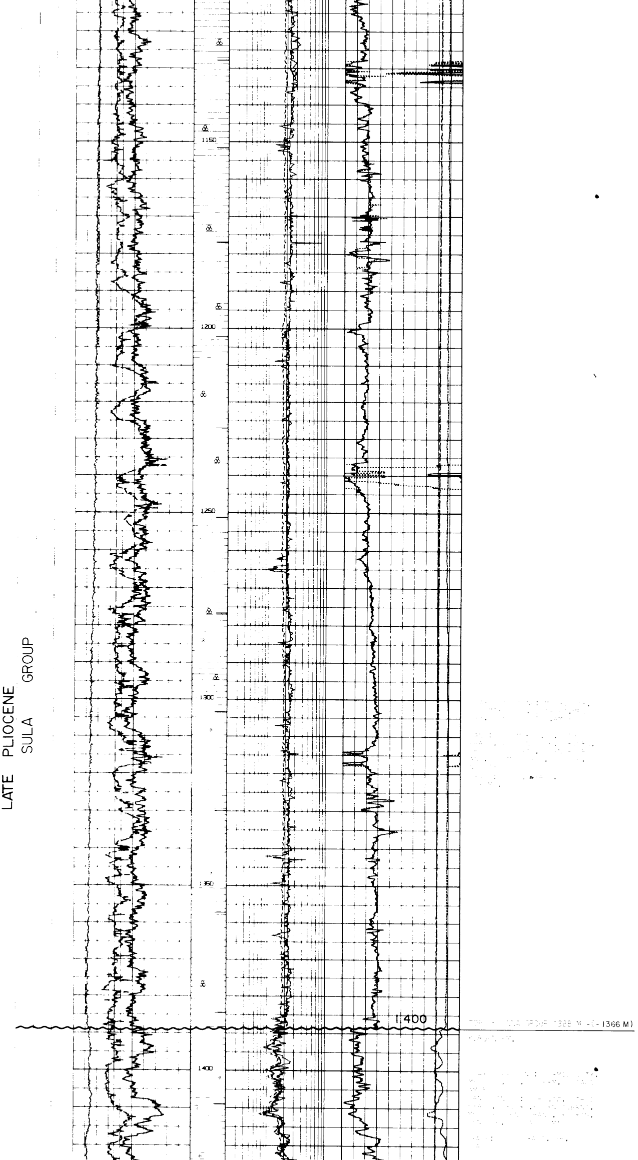
SULA GROUP

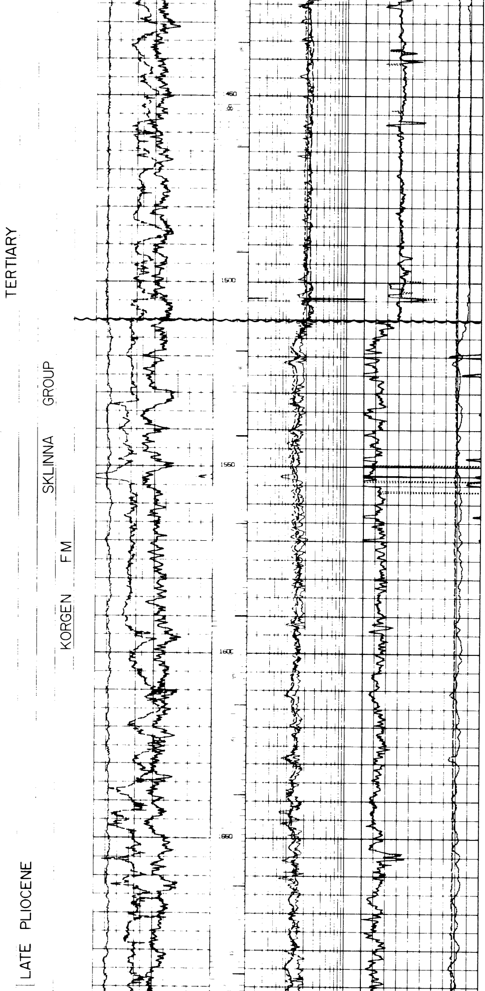


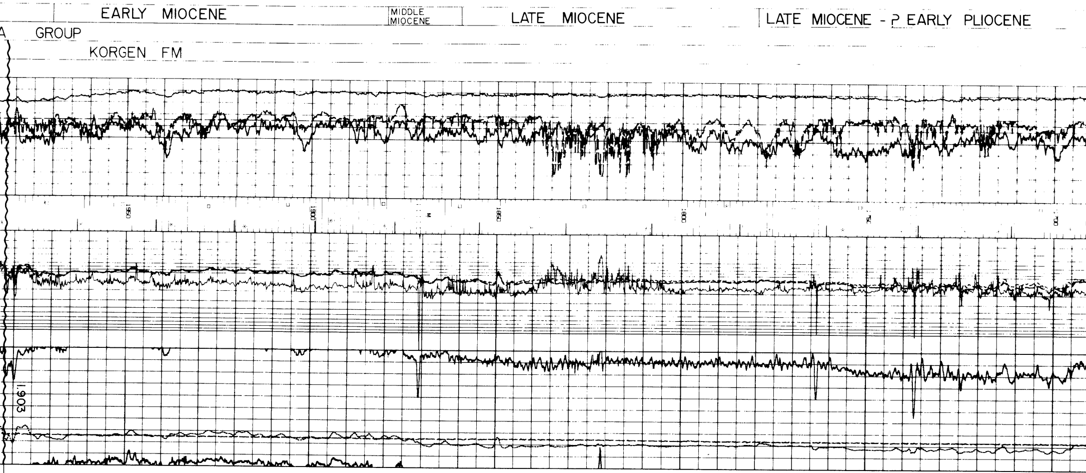
[illegible]

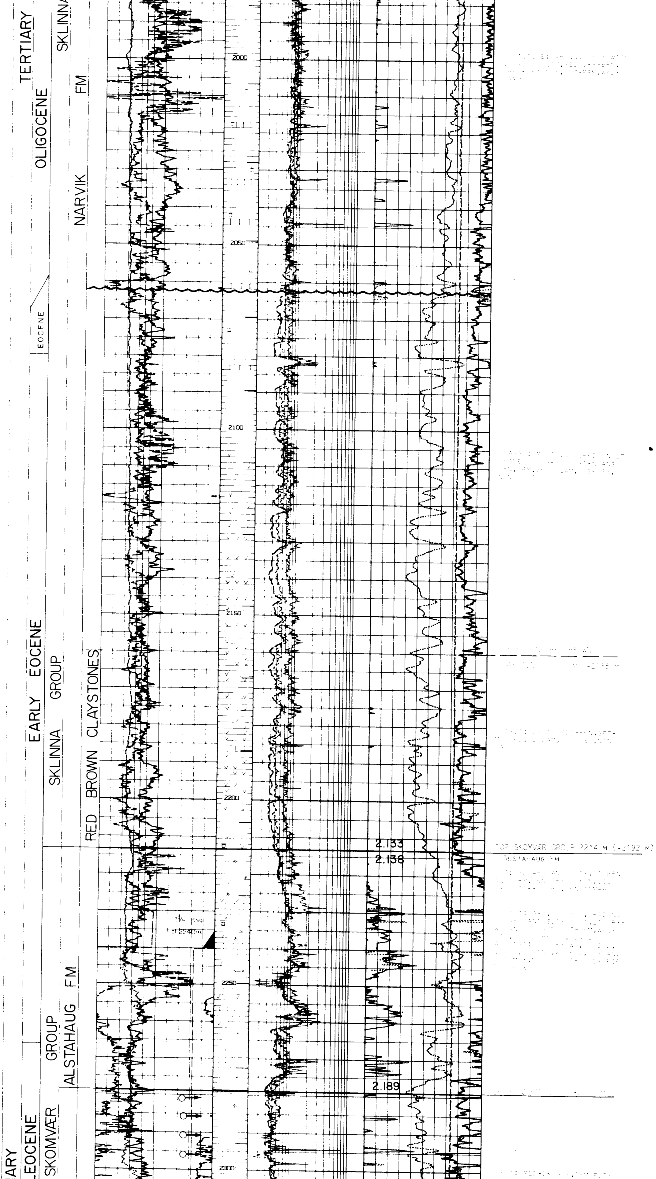
SAND: CLR MLKY QTZ, LITHIC FRAGS,VF-VCRS, V PR SRTD,LSE,SUBANG-ANG,OCC SUBRND,VF MED GRN

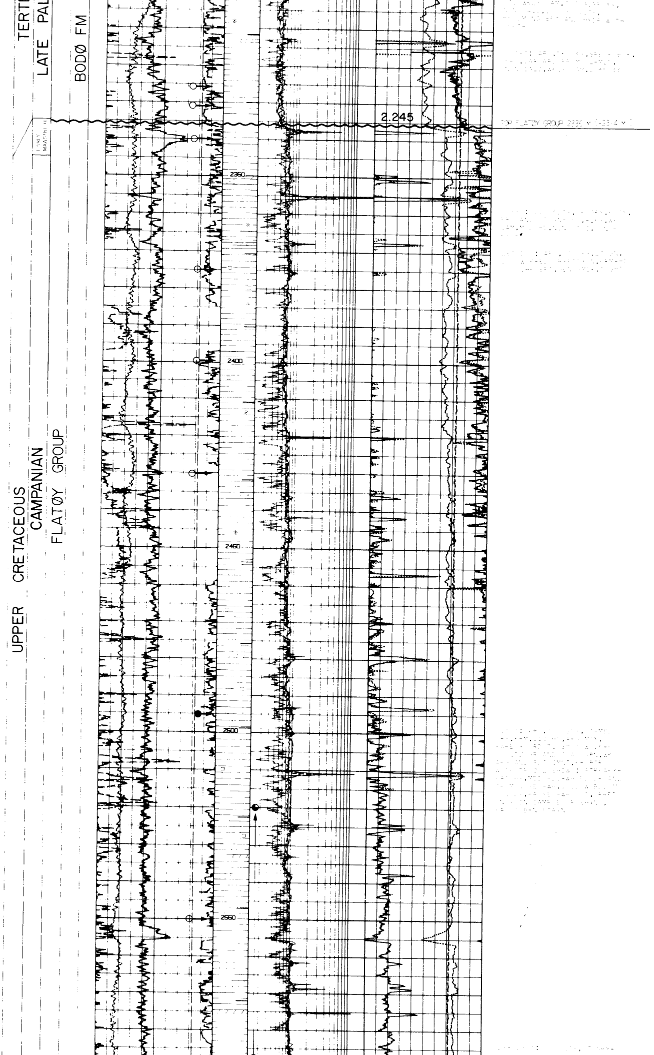
TRACE: LIGNITE,DISSEM + AGGR PYR,SHELL FRAGS

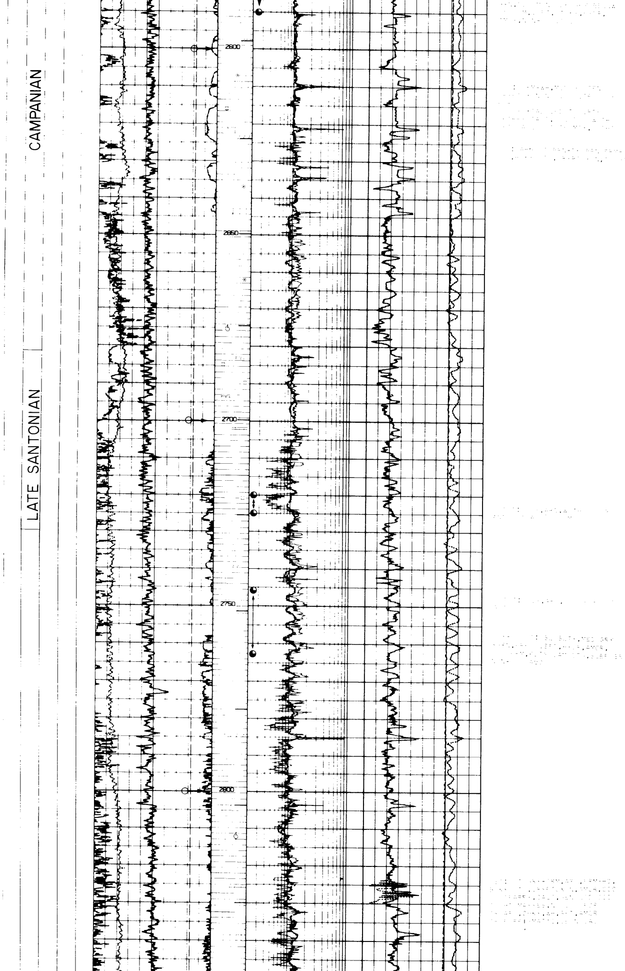


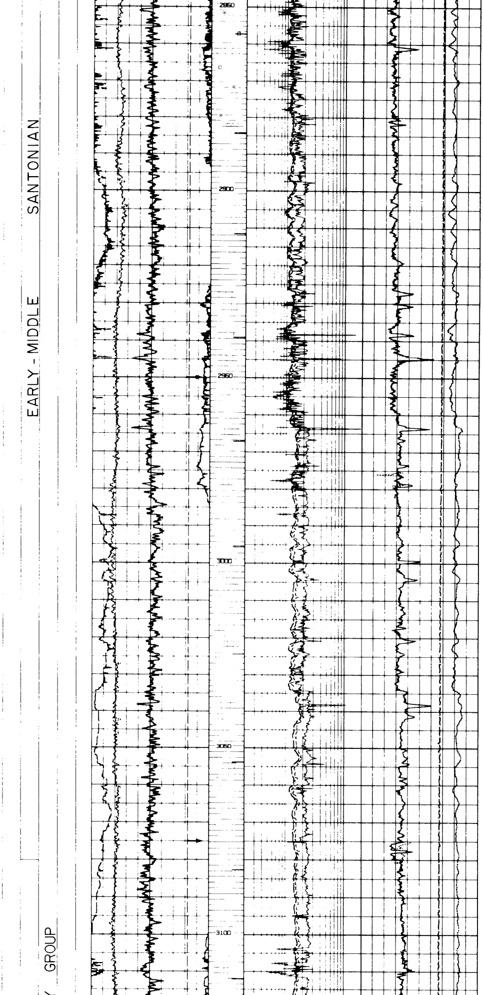


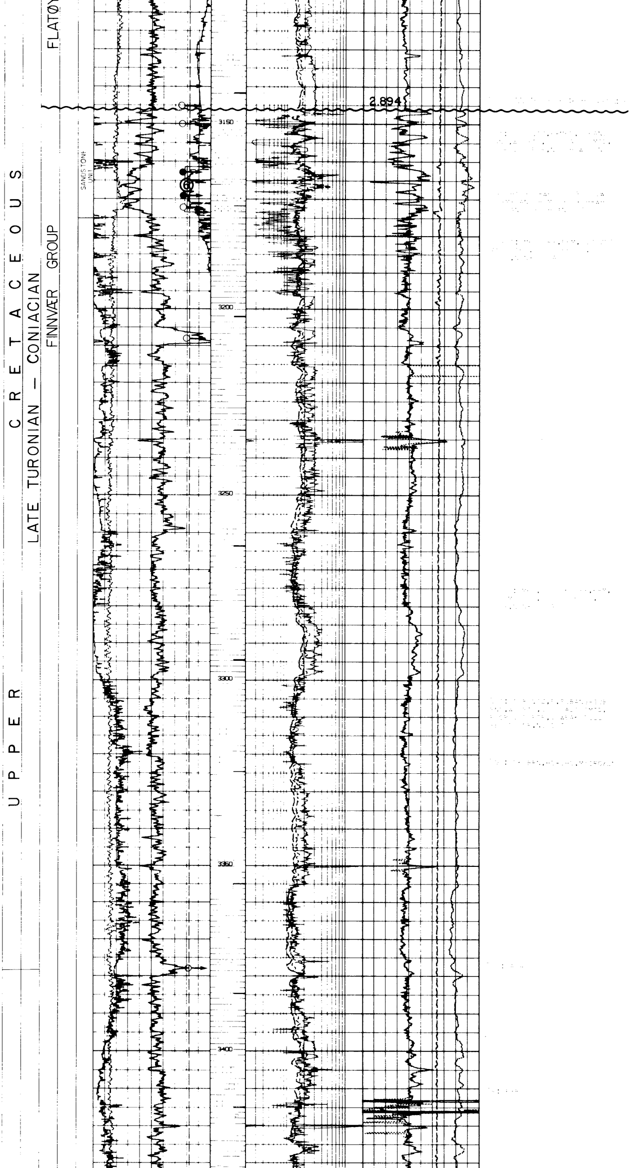


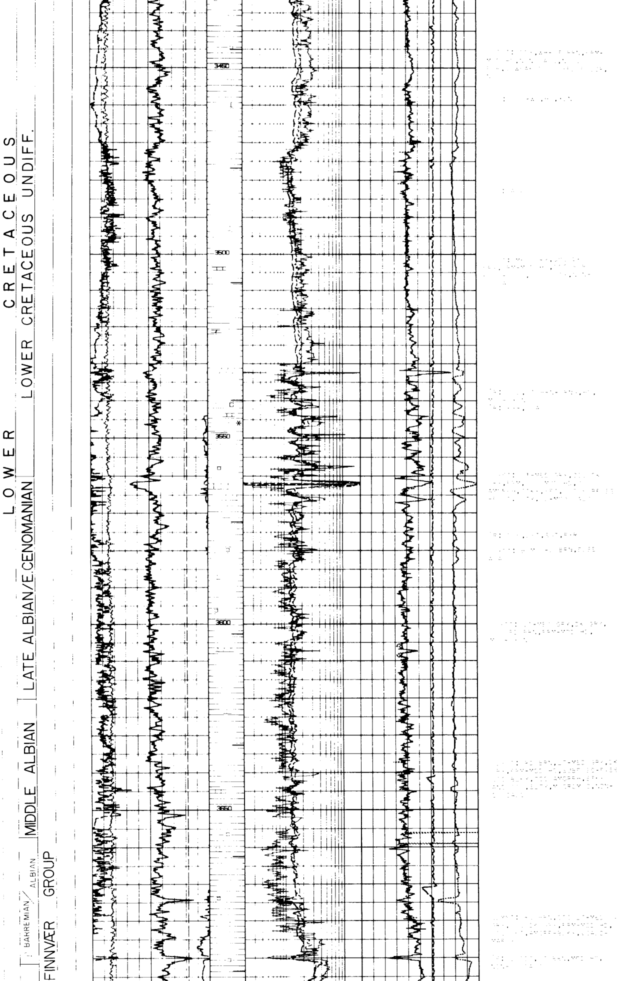


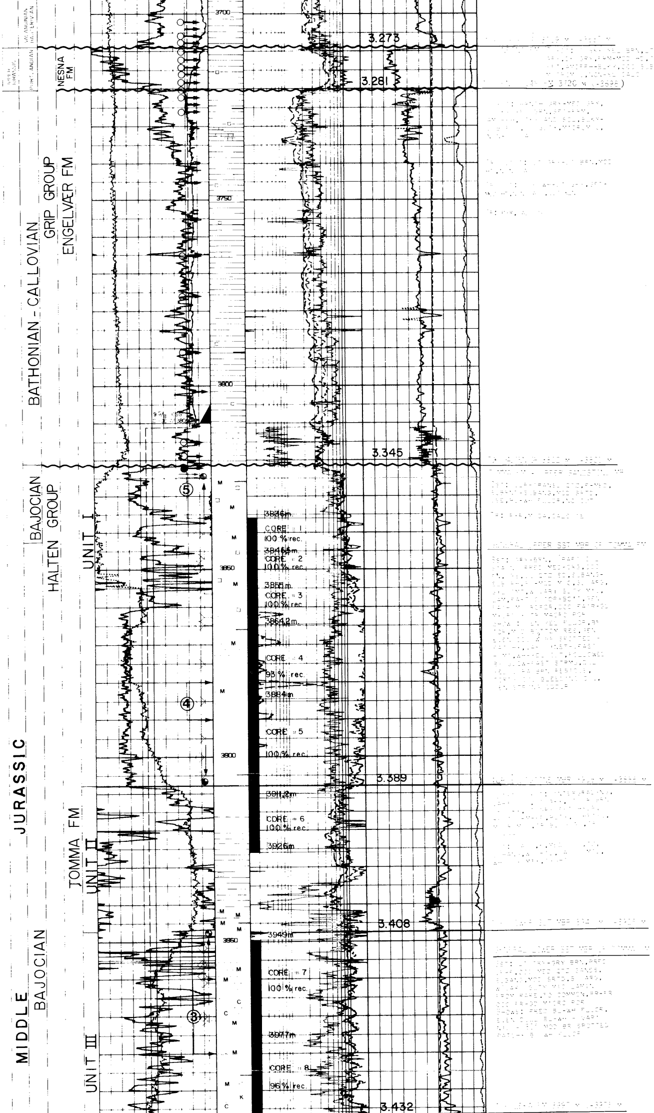


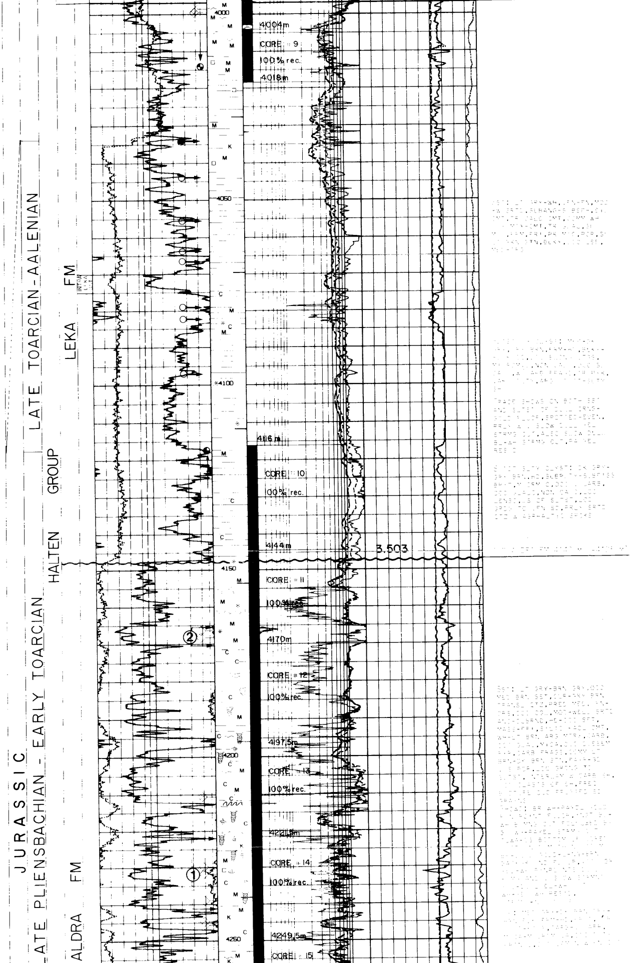


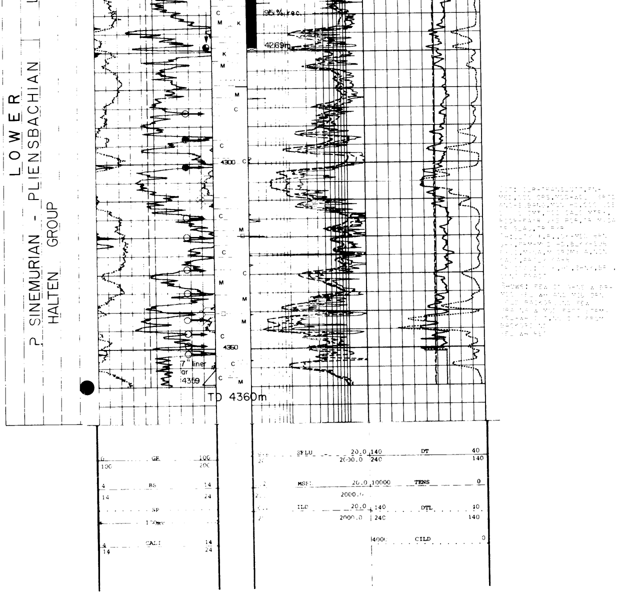












RFT SUMMARY

	DEPTH (mKB)	Corrected Pretest Pressure (bar)	Remarks
RUN 3A	3840.5	401.18	Fair perm
	3847.5	402.29	Low perm (Supercharged)
	3850.6	400.98	Fair perm
	3857	401.08	Fair perm
	3863	401.25	Good perm
	3865	401.32	Good perm
	3875	401.67	Good perm
	3885	402.22	Good perm
	3895	402.70	Good perm
	3900	402.98	Good perm
	3905	403.25	Good perm
	3961	412.04	Fair perm
RUN 3B	3863	400.91	Sample
RUN 3C	4302.5	442.28	Good perm
	4306.1	440.62	Good perm
RUN 3D	3961	411.66	Fair perm
	3970	411.73	Low perm
	3971	411.87	High perm
	3998	416.91	Low perm (Supercharged)
	3999.5	414.11	Low perm
	4166.5	433.31	Good perm
	4168	433.38	Good perm
	4187	434.49	Good perm
	4211	440.07	Low perm (Supercharged)
	4232	436.14	High perm
	4239.5	436.62	High perm
	4245.5	436.69	High perm
	4308.5	442.97	High perm
	3998	416.70	Moving up
	4230	435.59	Sampling
RUN 3E	3861	401.39	Good perm
	3905	403.18	Good perm
	3952	411.73	Good perm
	3956.5	412.25	Supercharged
	3959.8	412.08	Good perm
	3961	412.84	Low perm
	3999.7	413.87	Low perm
	4168	434.14	Fair perm
	4231.7	436.76	Good perm
	4247	436.79	Good perm
RUN 3F	4339	446.48	Very good perm
	4342	446.76	
	4343.1	447.0	Very good perm
	4343.1	446.90	Very good perm
	4343.4	446.3	Very good perm
	4309	444.45	Very good perm/moving
	4310	443.52	Low perm
	4310.7	443.4	Very good perm
	4310.1	443.31	Good perm
	4310.6	443.31	Sampling

FLOW DATA
[illegible]-12-3

Test no.	Formation	Perf. int.	Flow period no.	Duration (min.)	Choke (mm)	Liquid rate (sm3/d)	Gas rate (1000 sm3/d)	Gor (sm3/sm3)	Liquid dens. (kg/m3)	Gas sp.g. (air=1)	WHP (Bar)	WHT (°C)	BHP (Bar)	Reserv. press. (Bar)
[illegible]	Aldra	[illegible] 4141	1	496	[illegible]	[illegible]	377.1	463	813	0.803	83.2	74	401.77	436.1
			2	717	[illegible]	463.0	241.4	521	815	0.850	176.3	56	418.26	
			3	679	[illegible]	742.0	373.3	503	802	0.847	-	-	406.23	
[illegible]	Aldra	[illegible]	1	783	[illegible]	53.8	66.8	1241	820	0.907	12.8	14	58.40	433.7
[illegible]	[illegible]	[illegible]	1	655	[illegible]	[illegible]	445.6	1499	794	0.755	74.0	63	249.9	412.0
			2	[illegible]	[illegible]	[illegible]	334.2	1307	793	0.741	151.3	64	305.9	
			3	[illegible]	[illegible]	[illegible]	453.1	1378	787	0.745	63.3	54	[illegible]	
4	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	531	820	0.765	90.7	81	398.2	402.0
			2	[illegible]	[illegible]	465.8	[illegible]	526	[illegible]	0.770	186.9	60	[illegible]	
			3	[illegible]	[illegible]	[illegible]	396.5	510	820	0.764	96.8	78	[illegible]	
			4	-	[illegible]	[illegible]	41.6	484	820	0.785	212.7	25.[illegible]		
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	304	830	0.797	73.1	[illegible]	[illegible]	[illegible]
			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	241	[illegible]	0.787	34.[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	173	803	0.797	165.0	[illegible]	437	[illegible]
			2	[illegible]	[illegible]	[illegible]	74.4	183	803	0.734	148.0	71	436.4	
			3	474	[illegible]	[illegible]	[illegible]	221	806	0.790	147.4	[illegible]	433.1	
			4	156	[illegible]	[illegible]	71.0	198	809	0.792	147.0	85	[illegible]	
			5	125	[illegible]	[illegible]	[illegible]	188	807	0.780	99.9	86	[illegible]	
			5b	[illegible]	[illegible]	[illegible]	91.4	183	815	0.780	129.8	88	[illegible]	