Well no : 6506/12-04 **Operator :** STATOIL

Coordinates	: 65 12 46.97 N 06 43 30.37 E	UTM coord.	: 7234298 393591
Licence no	: 94	Permit no	: 460
Rig	: DYVI STENA	Rig type	: SEMI-SUB.
Contractor	: DYVI OFFSHORE A/S		
Bottom hole temperature	: 99 deg.C	Elev. KB	: 25 M
Spud. date	: 85.03.24	Water depth	: 256 M
Compl. date	: 85.08.13	Total depth	: 4457 M
Spud. class	: WILDCAT	Form. at TD	: JURASSIC
Compl. class	: P&A. DRY HOLE	Prod. form	:
Seisloca	: ST 8403 - 203 SP. 471		

LICENSEES

10.000000	NORSK AGIP A/S
10.000000	ARCO NORGE A/S
5.000000	NORSK HYDRO PRODUKSJON A.S
15.000000	MOBIL EXPLORATION NORWAY INC.
50.000000	DEN NORSKE STATS OLJESELSKAP A.S
10.000000	TENNECO OIL NORWAY A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	356.0	36	357.0	
SURF.COND.	20	622.0	26	680.0	1.54
INTERM.	13 3/8	2089.0	17 1/2	2107.0	1.79
INTERM.	9 5/8	3936.0	12 1/4	3955.0	1.92
OPEN HOLE			8 1/2	4457.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters		Recovery M	Recovery %	Series
1	3129.0 -	3150.9	21.9	100.0	UPPER CRETACEOUS
2	3972.0 -	3980.2	8.2	100.0	MIDDLE JURASSIC
3	3980.1 -	4008.7	28.6	100.0	MIDDLE JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Plastic viscosity mPa.s	Mud type
295.000	1.02		WATER BASED
357.000	1.04	6.0	WATER BASED
680.000	1.12	6.0	WATER BASED
795.000	1.16	13.0	WATER BASED
1523.000	1.20	10.0	WATER BASED
1806.000	1.21	10.0	WATER BASED
2020.000	1.35	18.0	WATER BASED
2107.000	1.50	16.0	WATER BASED
2109.000	1.60	16.0	WATER BASED
2433.000	1.65	24.0	WATER BASED
2554.000	1.70	23.0	WATER BASED
3959.000	1.30	12.0	WATER BASED
3978.000	1.79	18.0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no	interval meter	Choke size	Pressure (PSI) WHP	BTHP	FFP
1.0	3133.000 - 3150.000	12.7		4931.0	

RECOVERY

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
1.0					

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	370 - 4457.7	680
Wet Samples	370 - 4457	600

SHALLOW GAS

Interval below KB	REMARKS
650 M	MAX. 20 % GAS, KICKED WITH MW 1.07 G/CM3 STABLE WITH 1.12 G/CM3

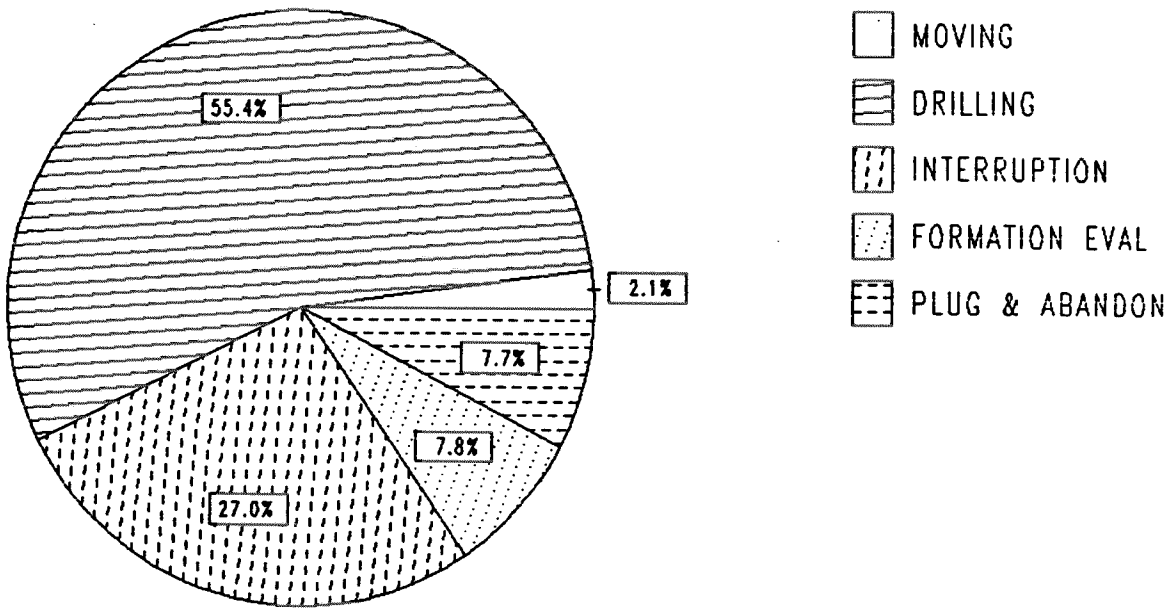
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF LSS MSFL GR	355 - 638	X	X
ISF LSS MSFL	620 - 2105	X	X
ISF LSS MSFL	2088 - 3953	X	X
ISF LSS MSFL	3938 - 4458	X	X
LDL	620 - 2106	X	X
LDL CNL	2087 - 3956	X	X
NGS	3650 - 3956	X	X
CBL VDL	270 - 2087	X	
CBL VDL	275 - 3905	X	
MUD	300 - 4458		X
VELOCITY	355 - 4458		X

(+ Synthetic Seismogram, Geogram, 10 cm/s, 7 stk)
(+ V.S.P., Zero/Offset, 10 stk)

DAILY DRILLING REPORT SYSTEM

Main operation : 6506/12-04



Total : 3504 HRS

Main operation	*Minutes*	*Hours*	*% of total*
MOVING	*4350*	*72.50*	*2.07*
DRILLING	*116550*	*1942.50*	*55.44*
INTERRUPTION	*56850*	*947.50*	*27.04*
FORMATION EVAL	*16320*	*272.00*	*7.76*
PLUG & ABANDON	*16170*	*269.50*	*7.69*

MAIN OPERATIONS WELL : 6506/12-04

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
OTHER	750	12.50	0.64
TRIP	24150	402.50	20.72
DRILL	45180	753.00	38.76
REAM	4290	71.50	3.68
CASING	18570	309.50	15.93
BOP/WELLHEAD EQ	8850	147.50	7.59
UNDERREAM	2700	45.00	2.32
CIRC/COND	4050	67.50	3.47
BOP ACTIVITIES	5820	97.00	4.99
SURVEY	1500	25.00	1.29
PRESS DETECTION	690	11.50	0.59
TOTAL	116550	1942.50	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	2310	38.50	53.10
ANCHOR	2040	34.00	46.90
TOTAL	4350	72.50	

MAIN OPERATION: FORMATION EVAL

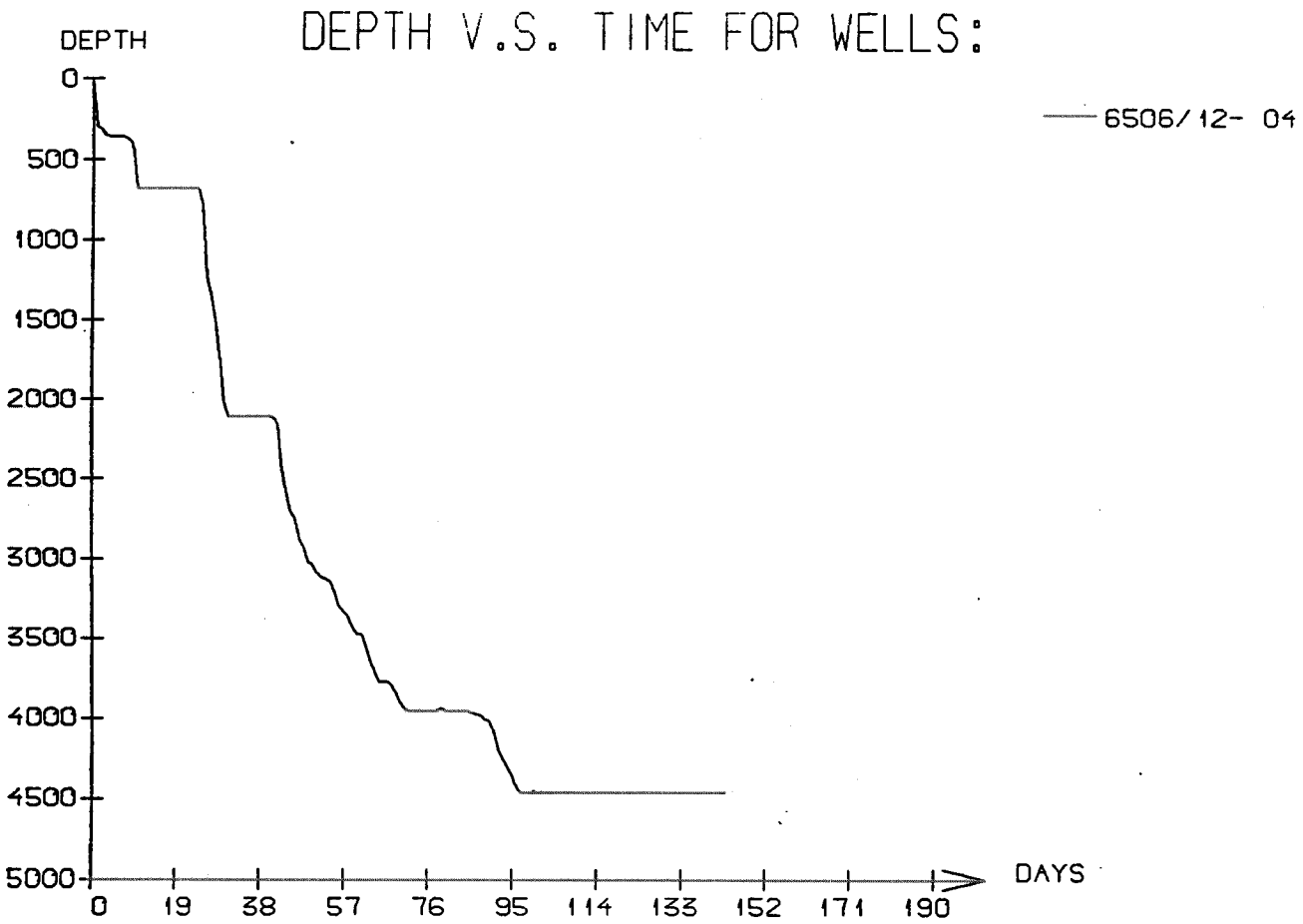
Sub operations	Min	Hrs	% of total
LOG	4710	78.50	28.86
TRIP	4380	73.00	26.84
CIRC/COND	330	5.50	2.02
CORE	1560	26.00	9.56
DST	5340	89.00	32.72
TOTAL	16320	272.00	

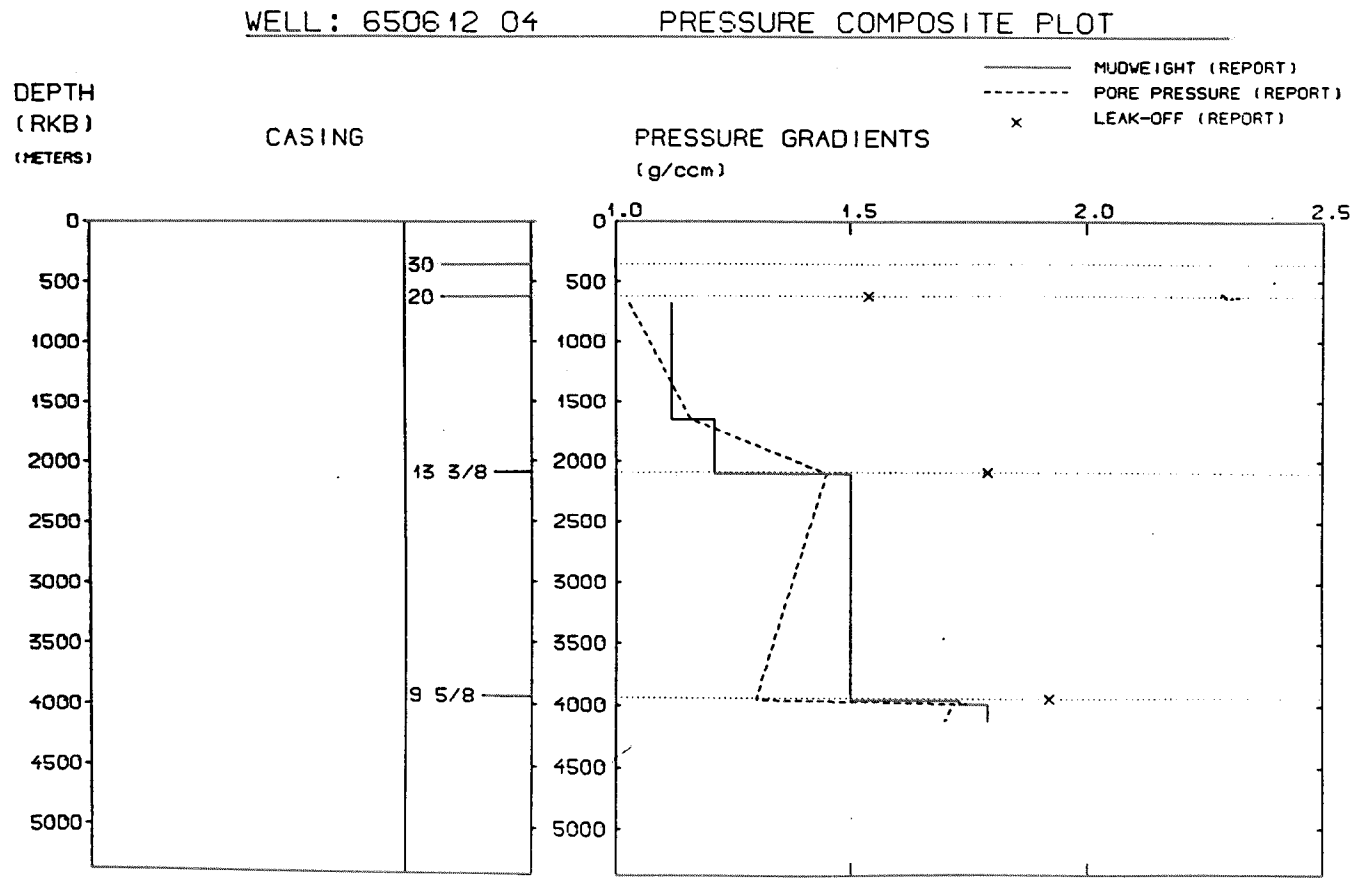
MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
WAIT	4680	78.00	8.23
MAINTAIN/REP	9780	163.00	17.20
WELL CONTROL	2280	38.00	4.01
LOST CIRC	4530	75.50	7.97
FISH	32070	534.50	56.41
OTHER	3510	58.50	6.17
TOTAL	56850	947.50	

MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
MECHANICAL PLUG	1170	19.50	7.24
TRIP	6390	106.50	39.52
SQUEEZE	1710	28.50	10.58
CIRC/COND	1080	18.00	6.68
PERFORATE	1200	20.00	7.42
EQUIP RECOVERY	660	11.00	4.08
CUT	1050	17.50	6.49
CEMENT PLUG	660	11.00	4.08
OTHER	2250	37.50	13.91
TOTAL	16170	269.50	


DEPTH V.S. TIME FOR WELLS:
DEPTH
6506/12- 04
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
0
19
38
57
76
95
114
133
152
171
190
DAYS


WELL: 650612 04 PRESSURE COMPOSITE PLOT
MUDWEIGHT (REPORT)
PORE PRESSURE (REPORT)
LEAK-OFF (REPORT)
DEPTH
(RKB)
(METERS)
CASING
PRESSURE GRADIENTS
(g/ccm)
1.0
1.5
2.0
2.5
30
20
13 3/8
9 5/8

Well History 6506/12-4

General:

Wildcat well 6506/12-4 was drilled on the Alpha north segment in the northern part of the Smørbukk field, Haltenbanken.

The primary objects was to drill an exploration well to a total depth of 4475 m in rocks of Triassic age satisfying parts of the licence agreement, and to test the hydrocarbon bearing potencial of the Middle Jurassic Sst.

A secondary object were testing the Lower Jurassic Sst, sandstones within the coal beds, and possible sand development within the Cretaceous. The prognosed depth was 4475 m or rocks of Triassic age in accordance with the commitment.

Operations:

Wildcat well 6506/12-4 was spudded 24 March 1985 by Dyvi Offshore rig Dyvi Stena, and completed 13 August 1985, at the prognosed depth of 4457 m in rocks of Cretaceous age.

At 680 m RKB a shallow gas pocked was encountered and the well started to flow. The gas was led through the diverter system and mudweigth was increased. This led to lost circulation, but controll was gradually regained after pumping LCM-pills. A cement plug was set between 600- and 680 m RKB.

The Tomma formation was encountered at 3978 m RKB, and a porepressure considerably higher than expected was observed.

Two cores were cut between 3972- and 4008.5 m RKB.

During this operation a water-kick was experienced, but was brought under controll.

During cleanup at T.D. the drillstring got stuck. While attempting to work this free, the string fell of the hook. Three weeks were spent on fishing for the string without complete success.

The top of the fish is left at 3910 m RKB. Production testing of a Cretaceous sand horizen was performed. Perforation and testing in the interval 3133.3- 3100 m RKB yielded no producible hydrocarbons, only residuals in the Cretaceous. The well is plugged and abandoned as dry.

Testing:

One DST test was performed in the Finnvær Formation between 3133- to 3150 m RKB, and proved the formation to be water-bearing.

GEOLOGICAL TOPS

WELL: 6506/12-04

	Depth m (RKB)
Nordland Group	*282,0*
Utsira Fm	*675,0*
Kai Fm	*1470,0*
Hordaland Group	*1470,0*
Brygge Fm	*1897,0*
Rogaland Group	*2065,0*
Tare Fm	*2065,0*
Tang Fm	*2171,0*
Shetland Group	*2211,0*
Springar Fm	*2211,0*
Cromer Knoll Group	*3132,0*
Viking Group	*3855,0*
Melke Fm	*3855,0*
Fangst Group	*3980,0*
Garn Fm	*3980,0*
Ile Fm	*4044,5*
Båt Group	*4115,5*
Ror Fm	*4115,5*
Tofte Fm	*4168,0*
Tilje Fm	*4252,0*
Åre Fm	*4414,0*
TD=	*4457,0*