

Well no : 6507/ 7-01

Operator : CONOCO

Coordinates	: 65 27 16.73 N 07 12 52.77 E	UTM coord.	: 7260481 N
		UTM zone 32	: 417247 E
Licence no	: 095	Permit no	: 427
Rig	: NORTRYM	Rig type	: SEMI-SUB.
Contractor	: GOLAR-NOR OFFSHORE A/S		
Bottom hole temperature	: 157 deg.C	Elev. KB	: 25 M
Spud date	: 84.08.10	Water depth	: 367 M
Compl. date	: 84.12.01	Total depth	: 4825 M
Spud class.	: WILDCAT	Age at TD	: JURASSIC
Compl. class.	: P&A. GAS DISCOVERY		
Seis. loc.	: 911460 SP. 230		

LICENSEES

10.000	ARCO NORGE A/S
30.000	CONOCO NORWAY INC.
50.000	DEN NORSKE STATS OLJESELSKAP A.S
10.000	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	489.0	36	495.0	1.20
SURF.COND.	20	906.0	26	936.0	1.55
INTERM.	13 3/8	2178.0	17 1/2	2225.0	1.85
INTERM.	9 5/8	3802.5	12 1/2	3825.0	2.03
LINER	7	4500.0	8 1/2	4825.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	3504.0 - 3513.1	9.1	95.6	UPPER CRETACEOUS
2	4340.0 - 4346.2	6.2	100.0	MIDDLE JURASSIC
3	4346.2 - 4356.8	10.6	100.0	MIDDLE JURASSIC
5	4356.8 - 4375.0	18.2	100.0	MIDDLE JURASSIC
6	4475.0 - 4489.0	13.1	93.6	MIDDLE JURASSIC
7	4593.0 - 4600.7	7.4	96.1	MIDDLE JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
436.0	1.02		WATER BASED
491.0	1.03	30.0	WATER BASED
495.0	1.04	30.0	WATER BASED
584.0	1.13	37.0	WATER BASED
918.0	1.14	37.0	WATER BASED
936.0	1.28	46.0	WATER BASED
1550.0	1.31	60.0	WATER BASED
1785.0	1.38	28.0	WATER BASED
2053.0	1.61		WATER BASED
2060.0	1.44	28.0	WATER BASED
2070.0	1.61		WATER BASED
2193.0	1.50	24.0	WATER BASED
2421.0	1.51	30.0	WATER BASED
2760.0	1.50	20.0	WATER BASED
2817.0	1.51	20.0	WATER BASED
2886.0	1.53	19.0	WATER BASED
2910.0	1.54	20.0	WATER BASED
3014.0	1.57	22.0	WATER BASED
3081.0	1.60	18.0	WATER BASED
3114.0	1.62	20.0	WATER BASED
3149.0	1.67	20.0	WATER BASED
3183.0	1.65	20.0	WATER BASED
3244.0	1.60	20.0	WATER BASED
3321.0	1.61	18.0	WATER BASED
3351.0	1.64	20.0	WATER BASED
3461.0	1.65	22.0	WATER BASED
3606.0	1.61		WATER BASED
3653.0	1.65	22.0	WATER BASED
3716.0	1.69	27.0	WATER BASED
3761.0	1.71	31.0	WATER BASED
3820.5	1.70	30.0	WATER BASED
3864.0	1.43	22.0	WATER BASED
3933.0	1.40	21.0	WATER BASED
4010.0	1.38	20.0	WATER BASED
4055.0	1.35	19.0	WATER BASED
4142.0	1.37	17.0	WATER BASED
4163.0	1.39	18.0	WATER BASED
4210.0	1.37	18.0	WATER BASED
4259.0	1.42	20.0	WATER BASED
4318.0	1.43	22.0	WATER BASED
4340.0	1.42	20.0	WATER BASED
4346.0	1.48	25.0	WATER BASED
4356.8	1.51	23.0	WATER BASED
4388.0	1.50	26.0	WATER BASED
4433.0	1.51	23.0	WATER BASED
4475.0	1.61	18.0	WATER BASED
4489.0	1.51	26.0	WATER BASED
4500.0	1.61	24.0	WATER BASED
4514.0	1.51	25.0	WATER BASED
4750.0	1.61	25.0	WATER BASED
4778.0	1.51	30.0	WATER BASED
4825.0	1.57	29.0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no.	Interval meter	Choke size	Pressure (PSI)		
			FFBHP	BTHP	WHP
1.0	4374.0 - 4338.0	12.7	6971.0	9295.0	706.0

RECOVERY

Test no.	Oil Sm ³ /d	Gas M Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³
1.0		<30		0.650	

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	490 - 4826	910
WET SAMPLES	490 - 4823	875

SHALLOW GAS

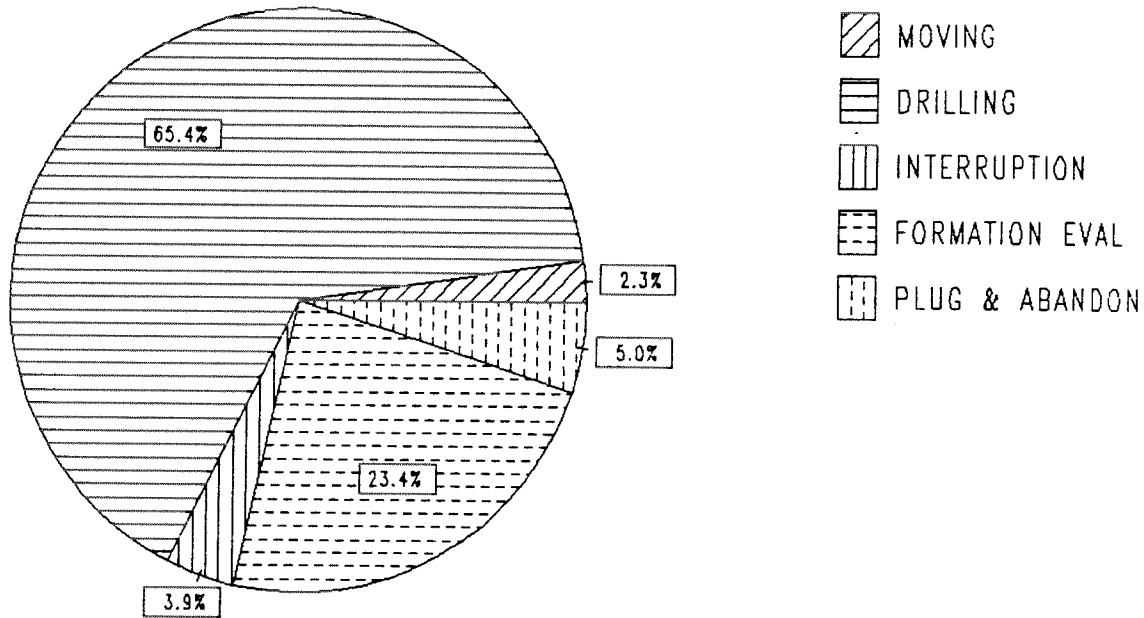
INTERVAL BELOW KB	REMARKS
	NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF SLS MSFL GR	488 - 917	X	X
ISF SLS MSFL	905 - 2194	X	X
ISF SLS SP	2178 - 3820	X	X
ISF BHC SP	3802 - 4824	X	X
LDL CNL	905 - 2196	X	X
LDL CNL	2178 - 3821	X	X
LDL CNL	4076 - 4790	X	X
DLL MSFL SP	2178 - 3817	X	X
DLL MSFL SP	3802 - 4156	X	X
DLL MSFL SP	4156 - 4815	X	X
CDM AP	3805 - 4819	X	X
SHDT	3802 - 4824	X	
NGT RATIOS PLAYBACK	2178 - 3817	X	X
NGT RATIOS PLAYBACK	3802 - 4156	X	X
NGT RATIOS PLAYBACK	4156 - 4815	X	X
TEMPERATURE LOG	2000 - 3650	1:2000	X
RFT	2934 - 3580	1:100	
RFT STRAIN GAUGE	4343 - 4652	1:100	
CBL VDL	2775 - 3650	X	
CBL VDL	3650 - 4515	X	
MUD	489 - 4825		X
VELOCITY	488 - 4815	1:1000	X
(+ Airgun Well Velocity Survey and Calibr. data, 1 stk)			
(+ Synthetic Seismogram, Marine, 10 cm/s, 1 stk)			
(+ Synthetic Seismogram, 10 cm/s, 2 stk)			
(+ V.S.P., 10 cm/s, 7 stk)			
(+ Two Way Travel Time, 10 cm/s, 1 stk)			

DAILY DRILLING REPORT SYSTEM

Main operation : 6507/07-01



Total : 2784.00 HRS

Main operation	Minutes	Hours	% of total
MOVING	3840	64.00	2.2
DRILLING	109170	1819.50	65.3
INTERRUPTION	6480	108.00	3.8
FORMATION EVAL	39150	652.50	23.4
PLUG & ABANDON	8400	140.00	5.0

MAIN OPERATION: MOVING

Sub operations	Min	% of total
ANCHOR	2850	74.22
POSITION	600	15.63
TRANSIT	390	10.16
TOTAL	3840	100.00

MAIN OPERATION: DRILLING

Sub operations	Min	% of total
TRIP	24360	22.31
DRILL	50190	45.97
SURVEY	630	0.58
HOLE OPEN	2220	2.03
CASING	13530	12.39
OTHER	1770	1.62
REAM	4110	3.76
BOP/WELLHEAD EQ	10620	9.73
CIRC/COND	1740	1.59
TOTAL	109170	100.00

MAIN OPERATION: INTERRUPTION

Sub operations	Min	% of total
MAINTAIN/REP	6030	93.06
WAIT	450	6.94
TOTAL	6480	100.00

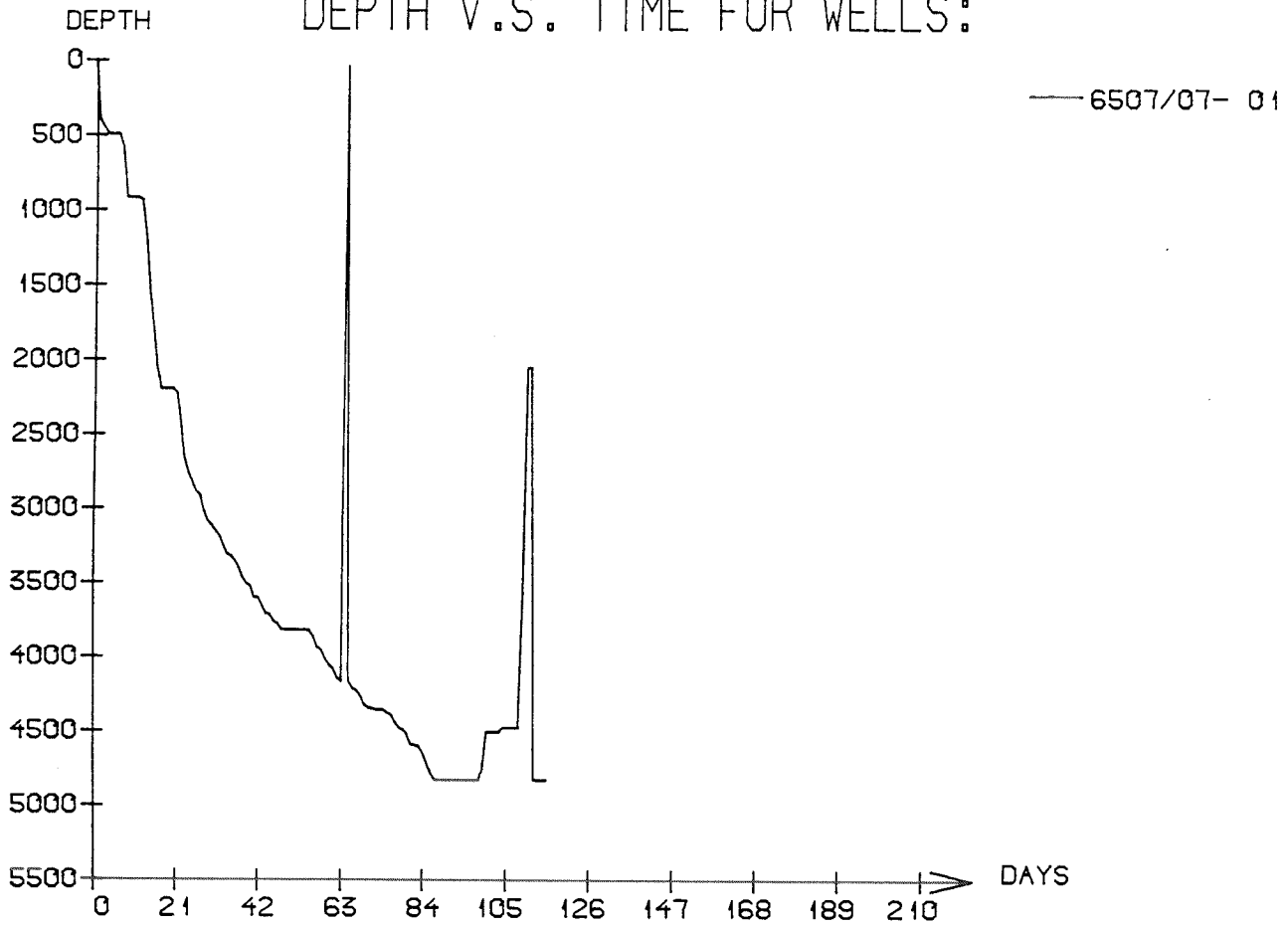
MAIN OPERATION: FORMATION EVAL

Sub operations	Min	% of total
CIRC/COND	2460	6.28
TRIP	13830	35.33
LOG	8670	22.15
OTHER	90	0.23
CORE	4440	11.34
RFT/FIT	2610	6.67
CIRC SAMPLES	690	1.76
DST	6360	16.25
TOTAL	39150	100.00

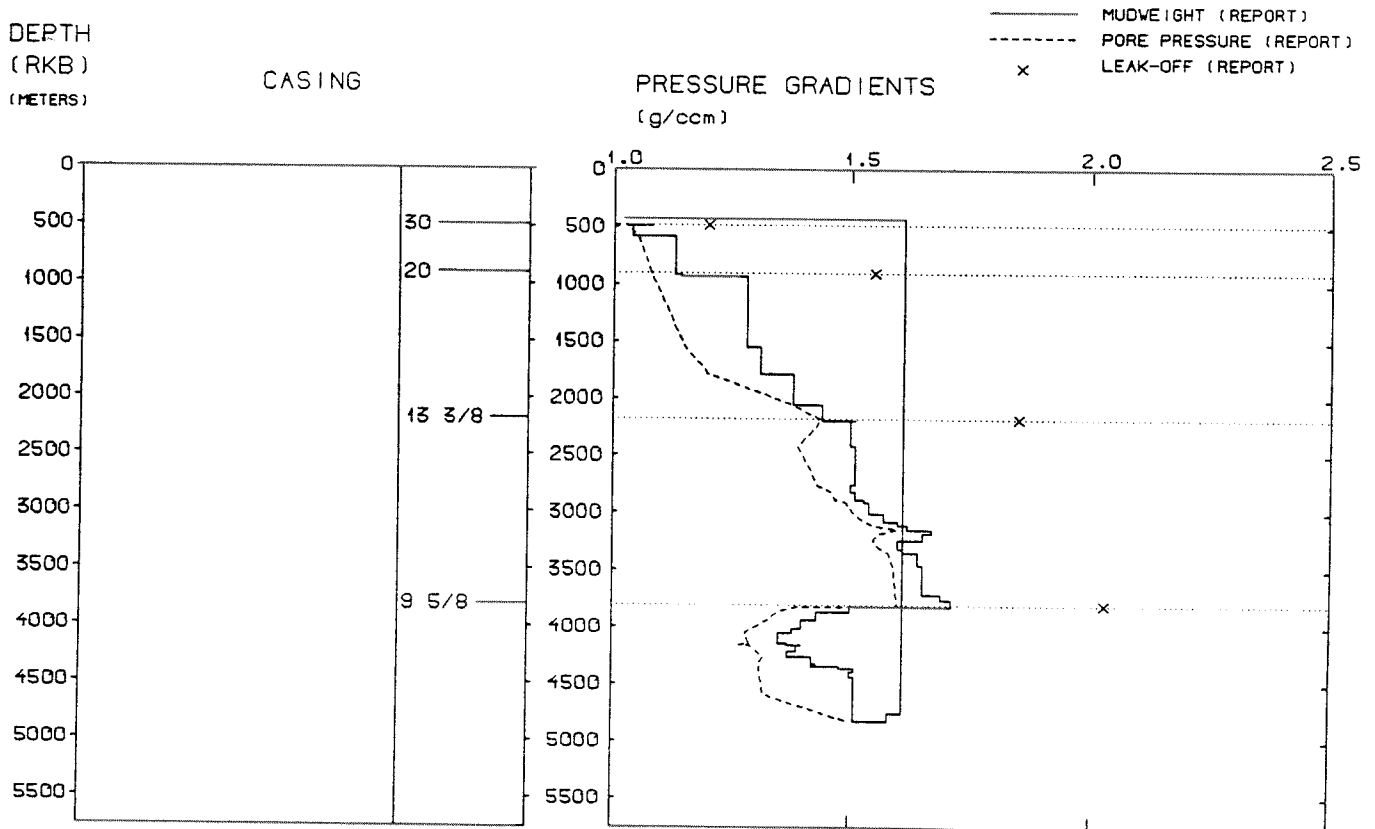
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	% of total
TRIP	2370	28.21
CEMENT PLUG	210	2.50
PERFORATE	600	7.14
MECHANICAL PLUG	570	6.79
SQUEEZE	210	2.50
CUT	1620	19.29
EQUIP RECOVERY	1230	14.64
OTHER	1590	18.93
TOTAL	8400	100.00

DEPTH V.S. TIME FOR WELLS:



WELL: 650707 01 PRESSURE COMPOSITE PLOT



WELL HISTORY - 6507/7-1

GENERAL:

The primary objective of the wildcat 6507/7-1 was the sandstones of the Middle Jurassic Fangst Group. Secondary objective was the Lower Jurassic sequence. Hydrocarbons were encountered in the Middle Jurassic.

OPERATIONS:

The well was spudded 10.08.84 by the semi-submersible rig Nortrym. Seven cores were cut, one in the Upper Cretaceous sequence and six in the Middle Jurassic.

The 36" hole section had to be reamed several times due to the hole sloughing in. Mud losses to formation occurred while cementing the 13 3/8" casing causing the top of cement being lower than planned. This did not affect the leak off test below the casing shoe. Some tight spots were experienced in the 12 1/4" hole. A drilling break occurred at 3502 m. While drilling at 4163 m in the 8 1/2" hole section, a leak was discovered in a riser connector. The well was shut in and the riser repaired. Tight spots occurred from 4226 m. A drill break occurred at 4337 m and at 4473 m. Tight hole problems occurred in the 8 1/2" hole.

The well was drilled using water based mud.

TESTING:

One drill stem test was performed in the Middle Jurassic sequence. Small amounts of gas were produced due to low permeability.

GEOLOGICAL TOPS

WELL: 6507/ 7-01

Depth m (RKB)

<i>Nordland Group</i>	400.000
<i>Hordaland Group</i>	1483.000
<i>Rogaland Group</i>	2053.000
<i>Tare Fm</i>	2053.000
<i>Tang Fm</i>	2102.000
<i>Shetland Group</i>	2159.000
<i>Cromer Knoll Group</i>	2926.000
<i>Lysing Fm</i>	2926.000
<i>Lange Fm</i>	3000.000
<i>Lyr Fm</i>	3645.000
<i>Viking Group</i>	3680.000
<i>Spekk Fm</i>	3680.000
<i>Melke Fm</i>	3785.000
<i>Fangst Group</i>	4337.500
<i>Båt Group</i>	4478.000
<i>Ror Fm</i>	4478.000
<i>Tilje Fm</i>	4586.000
 TD =	 4825.000