

WDSS Report

Date: 26/03/98

PB/SKR

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Well no:	Operator:
6506/11-03	STATOIL

Well

Coordinates :	65 ⁰ 13' 58.44"N 06 ⁰ 22' 26.89"E	UTM coord. :	7237146.88 N 377273.8 E
License no :	134	Permit no :	734
Rig :	ROSS RIG	Rig type :	SEMI-SUB.
Contractor :	ROSS OFFSHORE A/S		
Bottom hole temp:	108 °C	Elev. KB :	23 M
Spud. date :	92.07.08	Water depth :	326 M
Compl. date :	92.10.01	Total depth :	4350 M
Spud. class :	WILDCAT	Form. at TD :	JURASSIC
Compl. class :	P&A. SHOWS	Prod.form. :	CRETACEOUS
Seisloca :	ST 8807-558, SP. 620		

Licenses

10.000000 CONOCO PETROLEUM NORGE AS
10.000000 ENTERPRISE OIL NORWEGIAN AS
50.000000 DEN NORSKE STATS OLJESELSKAP A.S
30.000000 NORSK AGIP AS

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	411.0	36	414.0	
INTERM.	20	1012.0	22	1014.0	1.61
INTERM.	16	2005.0	20	2010.0	1.75
INTERM.	9 5/8	3700.0	12 1/4	3717.0	2.10
OPEN HOLE		4350.0	8 1/2	.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	3143.5 - 3170.5	26.8	100.0
2	3919.0 - 3930.0	10.7	100.0
3	3930.0 - 3943.5	13.5	100.0
4	3943.6 - 3945.5	0.9	100.0
5	3976.0 - 3984.4	8.4	100.0
6	3986.0 - 3993.0	7.0	100.0
7	3993.0 - 4000.9	7.9	100.0
8	4172.0 - 4173.7	1.7	100.0
9	4174.0 - 4202.0	28.5	100.0
10	4202.0 - 4224.0	21.9	100.0

Mud

Depth	Mud weight	Visc.	Mud type
1023.0	1.12		DUMMY
1186.0	1.13	17.0	WATER BASED
1667.0	1.35	21.0	WATER BASED
2015.0	1.50	29.0	WATER BASED
2016.0	1.50	35.0	WATER BASED
2120.0	1.55	32.0	WATER BASED
2300.0	1.70	29.0	WATER BASED
2380.0	1.70	29.0	WATER BASED
3024.0	1.70	29.0	WATER BASED
3120.0	1.70	29.0	WATER BASED
3717.0	1.70	29.0	WATER BASED
3755.0	1.70	28.0	DUMMY
3798.0	1.70	25.0	WATER BASED
3919.0	1.70	27.0	WATER BASED
3923.0	1.75	24.0	WATER BASED
3937.0	1.93	31.0	WATER BASED
3945.5	1.84	26.0	WATER BASED
3973.5	1.93	31.0	WATER BASED
3976.0	1.84	30.0	WATER BASED
3987.0	1.84	28.0	WATER BASED
4003.0	1.84	30.0	WATER BASED
4063.0	1.84	33.0	WATER BASED
4078.0	1.89	33.0	WATER BASED
4100.0	1.89	34.0	WATER BASED
4172.0	1.89	35.0	WATER BASED
4174.0	1.89	37.0	WATER BASED

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4195.6	1.89	49.0	WATER BASED
4202.0	1.89	35.0	WATER BASED
4224.0	1.89	26.0	WATER BASED
4255.0	1.91	49.0	WATER BASED
4310.0	1.91	35.0	WATER BASED
4323.0	1.91	36.0	WATER BASED
4324.0	1.91	35.0	WATER BASED
4350.0	1.94	33.0	WATER BASED

Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
1.0	3122 - 3142	12.7	454	4958	

Drill Stem Test (recovery)

Test no.	Oil Sm ³ /d	Gas Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³
1.0		1817			

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	1030 - 4350	418
CUTTINGS	1400 - 4350	560

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500
4-ARM CALIPER LOG	4024.0 - 4351.0		

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4-ARM CALIPER LOG GR	2004.0 - 3712.0		
4-ARM CALIPER LOG GR	3702.0 - 4057.0		
4-ARM DIPLOG GR	3702.0 - 4057.0		
ACOUSTIC CEMENT BOND	3000.0 - 3700.0		
BRIDGE PLUG	3463.0 - 3590.0		
CBL VBL GR FROM DAC	310.0 - 2010.0		
CDN	2000.0 - 3750.0		
CDR	2000.0 - 4350.0		
COMP.Z-DENSILOG	4126.0 - 4215.0		
COMPUTED DIPLOG	3702.0 - 4057.0		
COMPUTED DIPLOG	4024.0 - 4350.0		
CORE DESCRIPT.CHART	3143.0 - 4223.0		50
CORGUN	1830.0 - 3716.0		
CORGUN	4142.0 - 4347.0		
DATA SUMMARY CHART	3115.0 - 4352.0		
DIFL AC GR	1009.0 - 1907.0		
DIFL DAC GR	1830.0 - 3716.0		
DIGITAL ARRAY AC GR	1830.0 - 3716.0		
DIGITAL ARRAY ACOUST	2004.0 - 3716.0		
DIPLOG	4024.0 - 4350.0		
DUAL INDUCTION	1009.0 - 4349.0		
DUAL LATEROLOG MICRO	3895.0 - 4019.0		
FORMATION EVALUATION	352.0 - 4350.0		
FORMATION MULTI	4173.0 - 4206.0		1000
FORMATION MULTI	4206.0 - 4323.0		1000
FORMATION MULTI TEST	3914.0 - 3990.0		1000
GR CCL	3090.0 - 3507.0		
MWD AND CDR REAL	420.0 - 4340.0		
NGT	2000.0 - 4350.0		

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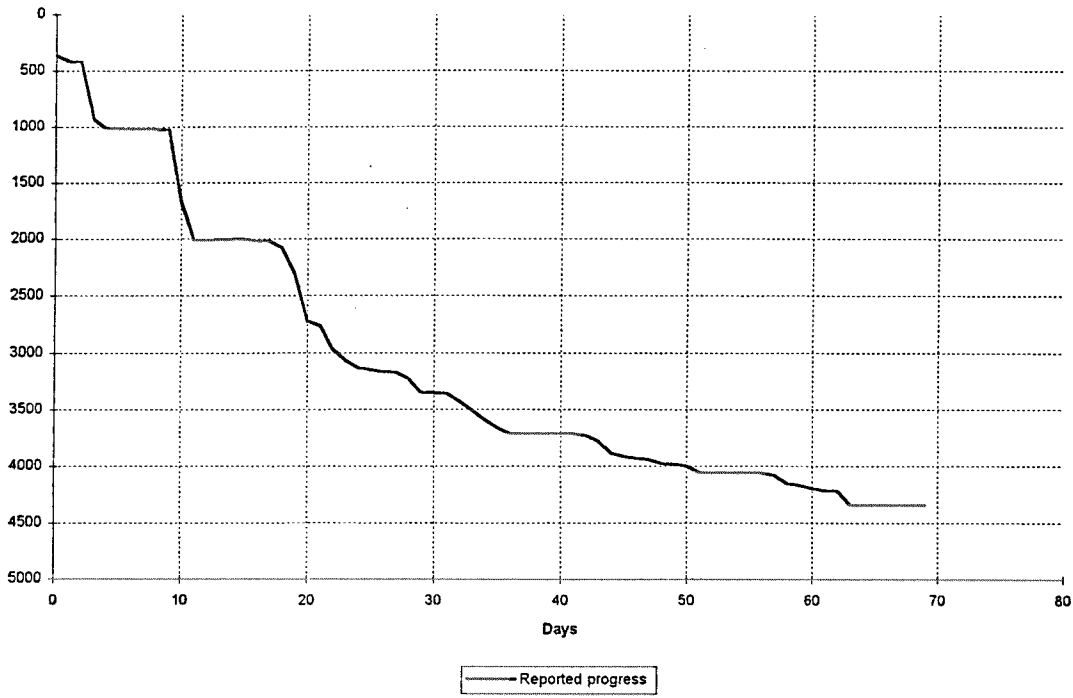
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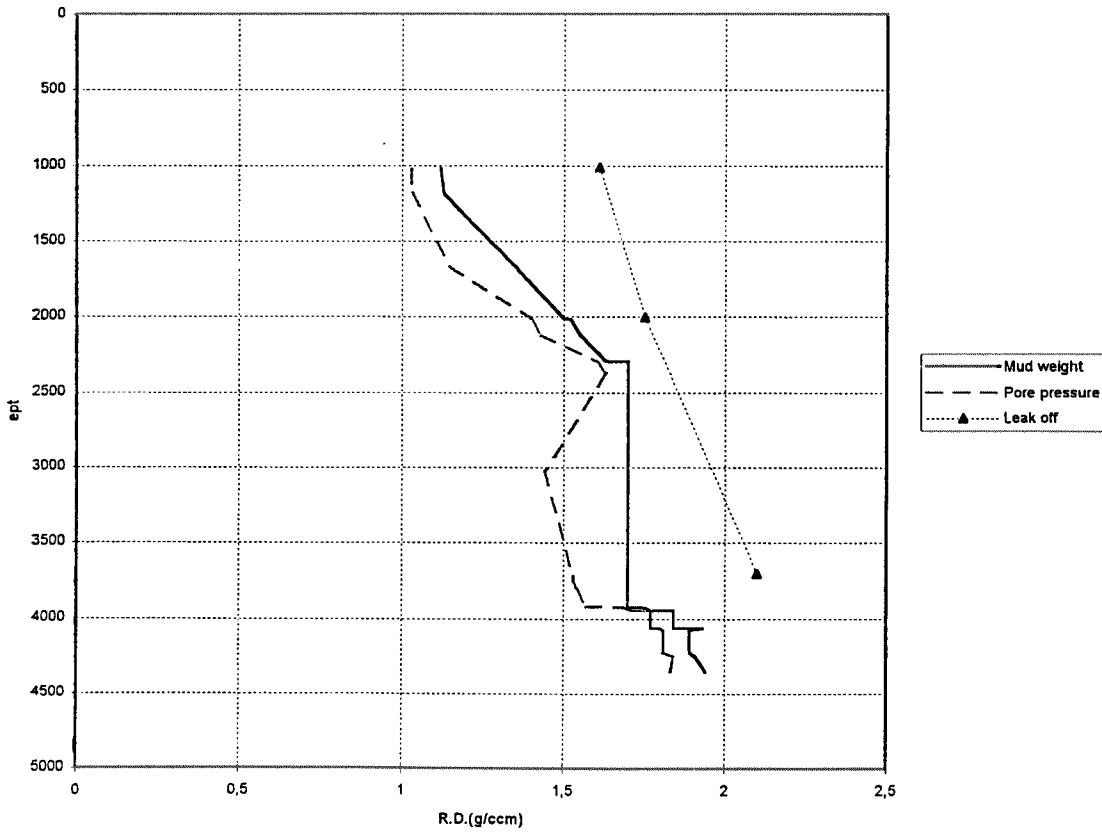
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SPECTRALOG GR	4126.0 - 4207.0			
SUMMED AND EDITED				
SYNTHETIC SEISMOGRAM				
VELOCITY LOG	1020.0 - 4335.0			1000
VSP				
Z-DENSILOG NEUTRON	3676.0 - 4059.0			
ZDL GR	1009.0 - 1890.0			

Depth v.s. time plot for well: 6506/11-3



Composite plot for well: 6506/11-3



Main operations for well: 6506/11-3**Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	1650	27,5	2,33
BOP/WELLHEAD EQ	7920	132,0	11,17
CASING	9750	162,5	13,75
CIRC/COND	4290	71,5	6,05
DRILL	28230	470,5	39,82
HOLE OPEN	1680	28,0	2,37
OTHER	600	10,0	0,85
REAM	750	12,5	1,06
SURVEY	90	1,5	0,13
TRIP	15930	265,5	22,47
Total	70890	1181,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	690	11,5	2,40
CIRC/COND	1110	18,5	3,85
CORE	3750	62,5	13,02
DST	6240	104,0	21,67
LOG	8970	149,5	31,15
OTHER	240	4,0	0,83
RFT/FIT	330	5,5	1,15
TRIP	7470	124,5	25,94
Total	28800	480,0	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	390	6,5	4,94
MAINTAIN/REP	7500	125,0	95,06
Total	7890	131,5	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	870	14,5	8,53
TRANSIT	9330	155,5	91,47
Total	10200	170,0	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	570	9,5	3,89
CIRC/COND	930	15,5	6,34
CUT	2280	38,0	15,54
EQUIP RECOVERY	90	1,5	0,61
OTHER	1410	23,5	9,61
PERFORATE	840	14,0	5,73
SQUEEZE	1740	29,0	11,86
TRIP	6060	101,0	41,31
WAIT	750	12,5	5,11
Total	14670	244,5	100,00

Total time used: Hours

WELL HISTORY 6506/11-3

GENERAL:

The well 6506/11-3 is located in the Haltenbanken region, north west of the Smørbukk area.

The objectives of well 6506/11-3 were:

- To prove oil in the Lysing, Lange (Cretaceous) and the Rogn Formation (Jurassic).
- To test the hydrocarbon potential of the Nise Formation and the Åre Formation.
- To penetrate the Upper Triassic and test the reservoir potential in order to prepare for relinquishment.

OPERATION:

Well 6506/11-3 was spudded on the 8th July 1992 by the semi submersible rig "Ross Rig" and was completed 2nd October 1992, in the Middle Jurassic Not Formation.

The well was drilled to a total depth of 4350m RKB in the Not Formation. The Lysing Formation and the Jurassic sands were water bearing. A thin hydrocarbon film was observed on a FMT sample from the Lange Formation. Only the Lysing Formation was production tested, and the Formation was proven water bearing. Due to high-pressure the well was terminated at a shallower depth than prognosis, and it was plugged and abandoned as a dry well.

TESTING:

One DST test in the Lysing Formation was performed.

Geological Tops.

Well: 6506/11-3.

	Depth m (RKB).
Nordland Group	352.0
Naust Fm	352.0
Kai Fm	1527.0
Hordaland Group	1944.0
Brygge Fm	1944.0
Rogaland Group	2049.0
Tare Fm	2049.0
Tang Fm	2139.0
Shetland Group	2191.0
Springar Fm	2191.0
Nise Fm	2357.0
Kvitnos Fm	2553.0
Cromer Knoll Group	3121.0
Lysing Fm	3121.0
Lange Fm	3202.0
Lyr Fm	4142.0
Viking Group	4166.5
Spekk Fm	4166.5
Fangst Group	4169.0
Garn Fm	4169.0
Not Fm	4330.0
T.D.	4350.0