

WDSS Report

Date: 26/03/98

PB/SKR

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Well no:	Operator:
35/11-07	MOBIL

Well

Coordinates :	61 ⁰ 01' 59.74" N	UTM coord. :	6766796.52 N
	03 ⁰ 35' 26.23" E		531912.04 E
License no :	90	Permit no :	737
Rig :	WEST DELTA	Rig type :	SEMI-SUB.
Contractor :	A/S SMEDVIG DRILLING CO.		
Bottom hole temp:	100 °C	Elev. KB :	29 M
Spud. date :	92.07.23	Water depth :	356 M
Compl. date :	92.09.29	Total depth :	2895 M
Spud. class :	WILDCAT	Form. at TD :	E.JURASSIC
Compl. class :	P&A. OIL/GAS DISC.	Prod.form. :	
Seisloca :	MN 88-813, SP. 541		

Licenseses

40.000000 MOBIL DEVELOPMENT NORWAY AS
50.000000 DEN NORSKE STATS OLJESELSKAP A.S
10.000000 NORSK HYDRO PRODUKSJON AS

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm ³
CONDUCTOR	30	443.0	36	446.0	
INTERM.	13 3/8	954.0	17 1/2	966.0	1.77
INTERM.	9 5/8	1774.0	12 1/4	1781.0	1.77
LINER	7	2660.0	8 1/2	2895.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	1801.0 - 1828.0	27.0	100.0
2	1828.0 - 1841.5	13.5	100.0
3	1841.5 - 1868.5	27.0	100.0
4	1868.5 - 1884.5	16.0	100.0
5	1884.5 - 1894.0	9.5	100.0
6	2000.0 - 2001.1	1.1	100.0
7	2429.5 - 2440.0	10.5	100.0
8	2440.0 - 2456.9	16.9	100.0
9	2458.0 - 2486.0	28.0	100.0
10	2486.0 - 2514.0	28.0	100.0
11	2514.0 - 2541.0	27.0	100.0

Mud

Depth	Mud weight	Visc.	Mud type
434.0	1.06	66.0	WATER BASED
452.0	1.06	64.0	WATER BASED
452.0	1.06	64.0	WATER BASED
481.0	1.14	19.0	WATER BASED
556.0	1.14	19.0	WATER BASED
609.0	1.14	54.0	WATER BASED
725.0	1.14	48.0	WATER BASED
966.0	1.14	44.0	WATER BASED
1036.0	1.15	30.0	WATER BASED
1342.0	1.15	20.0	WATER BASED
1630.0	1.15	16.0	WATER BASED
1781.0	1.24	18.0	WATER BASED
1828.0	1.18	16.0	WATER BASED
1869.0	1.18	17.0	WATER BASED
1894.0	1.17	18.0	WATER BASED
2065.0	1.15	25.0	WATER BASED
2218.0	1.15	25.0	WATER BASED
2374.0	1.15	24.0	WATER BASED
2428.0	1.15	28.0	WATER BASED
2429.5	1.16	28.0	WATER BASED
2440.5	1.16	28.0	WATER BASED
2486.0	1.15	27.0	WATER BASED
2519.0	1.15	27.0	WATER BASED
2541.0	1.15	27.0	WATER BASED
2620.0	1.17	20.0	WATER BASED

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2678.0	1.15	27.0	WATER BASED
2679.0	1.15	25.0	WATER BASED
2785.0	1.15	28.0	WATER BASED
2890.0	1.15	27.0	WATER BASED
2895.0	1.15	24.0	WATER BASED

Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
1.0	2476.0 - 2491.0	15.9			
2.0	2476.0 - 2499.0	15.9			

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	6620	1999240	0.802	0.700	302
2.0	6990	1698570	0.802	0.730	243

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	980 - 2893	437
CUTTINGS	970 - 2893	270

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500
BHC ACOUSTILOG DUAL	901.0 - 2890.0		

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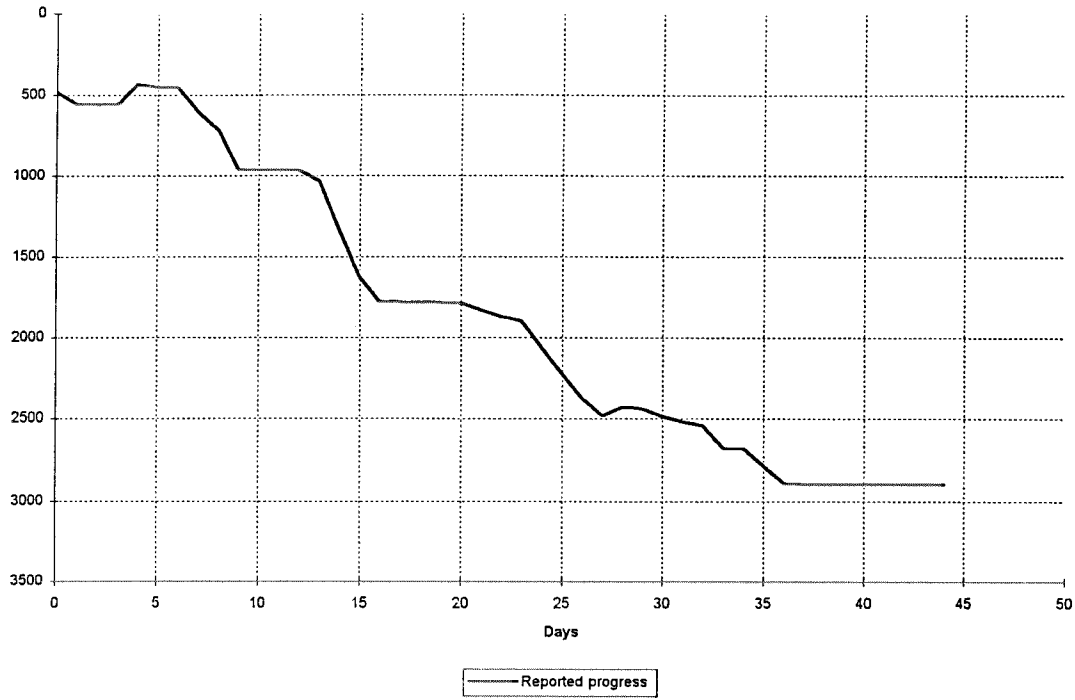
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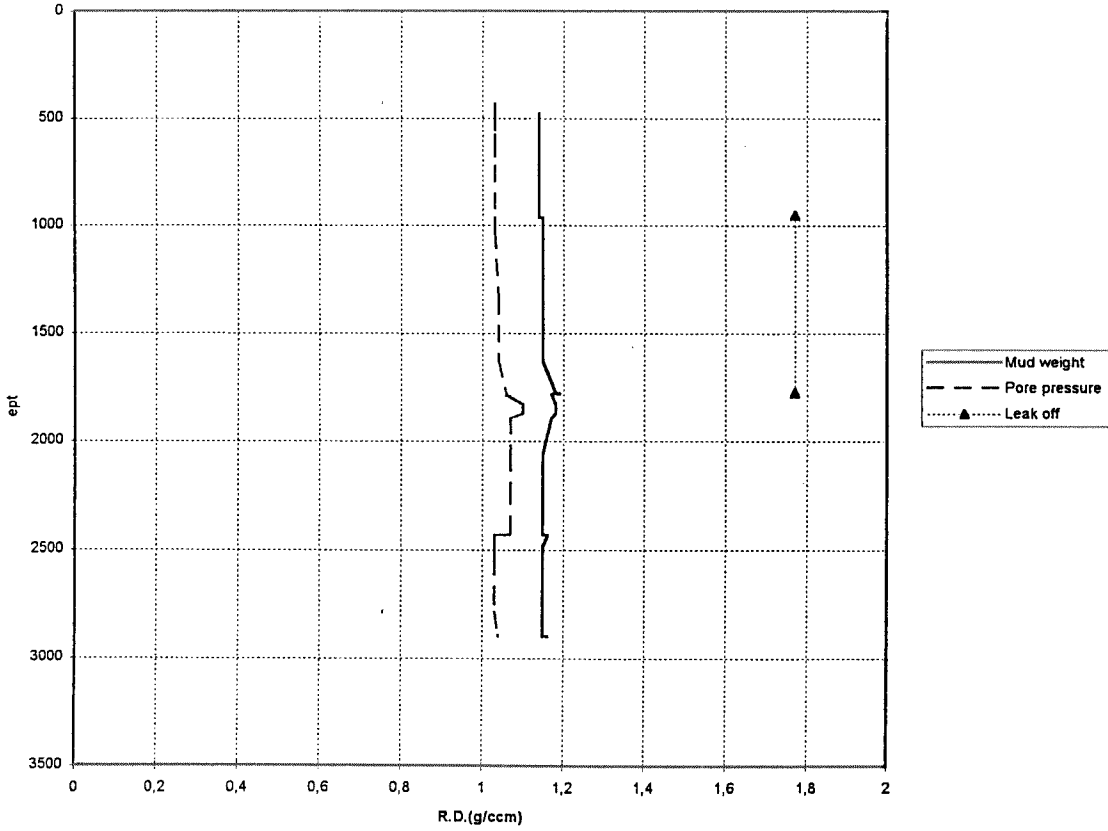
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COMPUTED DIPLOG	1788.0 - 2890.0		
CORGUN	901.0 - 1772.0		
DUAL LATEROLOG MICRO	1770.0 - 2891.0		
FMT	1490.0 - 1765.0		
FORMATION EVALUATION	384.0 - 2895.0		
FORMATION MULTI-TEST	1815.0 - 2879.0		1000
LITHOLOGY LOG	966.0 - 2895.0		
MWD	384.0 - 2895.0		
PLT DST 1	2470.0 - 2520.0		
PLT DST 2.	1815.0 - 1870.0		
PRESSURE PARAMETER	2600.0 - 3000.0		5000
SEGMENTED BOND LOG	1583.0 - 2553.0		
SPECTRALOG CALIPER	1770.0 - 2891.0		
SYNTHETIC SEISMOGRAM			
TCP CORRELATION	1800.0 - 2395.0		
TWO WAY TRAVEL TIME			
VSP			
ZCDL BHS CORRECTED	1774.0 - 2312.0		
Z-DENSILOG GR	901.0 - 1772.0		
Z-DENSILOG NEUTRON	1774.0 - 2312.0		

Depth v.s. time plot for well: 35/11-7



Composite plot for well: 35/11-7



Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	1830	30,5	4,67
BOP/WELLHEAD EQ	2760	46,0	7,04
CASING	11400	190,0	29,07
CIRC/COND	1260	21,0	3,21
DRILL	13830	230,5	35,27
HOLE OPEN	1680	28,0	4,28
OTHER	30	0,5	0,08
REAM	1200	20,0	3,06
SURVEY	60	1,0	0,15
TRIP	4020	67,0	10,25
WAIT	1140	19,0	2,91
Total	39210	653,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	330	5,5	0,67
CIRC/COND	1860	31,0	3,79
CORE	2760	46,0	5,63
DST	17820	297,0	36,33
LOG	8520	142,0	17,37
OTHER	600	10,0	1,22
TRIP	17130	285,5	34,92
WAIT	30	0,5	0,06
Total	49050	817,5	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	390	6,5	5,14
LOST CIRC	210	3,5	2,77
MAINTAIN/REP	1890	31,5	24,90
OTHER	5100	85,0	67,19
Total	7590	126,5	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	2955	49,3	37,17
POSITION	360	6,0	4,53
TRANSIT	4635	77,3	58,30
Total	7950	132,5	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	270	4,5	4,79
CUT	270	4,5	4,79
EQUIP RECOVERY	1920	32,0	34,04
MECHANICAL PLUG	180	3,0	3,19
TRIP	3000	50,0	53,19
Total	5640	94,0	100,00

Total time used: Hours

WELL HISTORY 35/11-7

GENERAL:

The 35/11-7 well is located in the southeastern part of the block, 2.5 kilometres east of the 35/11-4 discovery.

The primary objective of the well was the middle Jurassic Brent Group and the secondary objective was the Middle Jurassic Fensfjord Formation. A tertiary objective was the Upper Jurassic Sognefjord Formation.

OPERATION:

Well 35/11-7 was spudded on the 23rd July 1992 by the semi submersible rig "West Delta" and was completed 1st October 1992, in rocks of Early Jurassic age.

Trace of oil was seen in the sandstones of Paleocene Lista Formation. No FMT analysis was taken and no detailed petrophysical analysis was carried out in this interval.

Good hydrocarbon bearing sandstones were found in the Upper Jurassic Sognefjord from 1796m RKB with a gross hydrocarbon column of 31.7m. The Brent Group was encountered from 2423.5m RKB, also hydrocarbon bearing.

The Middle Jurassic Fensfjord Formation was found to be water wet.

Eleven cores were cut in the in the Upper and Middle Jurassic reservoirs, 5 in the Sognefjord Formation and six in the Brent Group.

The well was plugged and abandoned as an oil and gas discovery.

TESTING:

Two DST tests were performed in this well.

Geological Tops.

Well: 35/11-7.

	Depth m (RKB).
Nordland Group	687.0
Utsira Fm	687.0
Hordaland Group	711.0
Rogaland Group	1295.0
Balder Fm	1295.0
Sele Fm	1343.5
Lista Fm	1410.0
Våle Fm	1715.0
Shetland Group	1734.5
Jorsalfare Fm	1734.0
Kyrre Fm	1779.0
Viking Group	1792.5
Draupne Fm	1792.5
Sognefjord Fm	1796.0
Heather Fm	1964.0
Fensfjord Fm	2103.5
Heather Fm	2180.5
Brent Group	2423.5
Ness Fm	2423.5
Etive Fm	2453.5
Rannoch Fm	2511.0
Oseberg Fm	2528.0
Dunlin Group	2583.5
Drake Fm	2583.5
Cook Fm	2591.5
Amundsen Fm	2686.5
Johansen Fm	2791.0
Statfjord Fm	2840.0
T.D	2895.0