

Well no:	Operator:
35/11-05	MOBIL

Well

Coordinates :	61° 04' 45.58" N 03° 23' 53.49" E	UTM coord. :	6771849.34 N 521483.79 E
License no :	90	Permit no :	687
Rig :	SOVEREIGN EXPLOR	Rig type :	SEMI-SUB.
Contractor :	ROSS OFFSHORE A/S	Elev. KB :	25 M
Bottom hole temp:	118 °C	Water depth :	355 M
Spud. date :	91.06.27	Total depth :	3769 M
Compl. date :	91.11.03	Form. at TD :	E.JURASSIC
Spud. class :	WILDCAT	Prod.form. :	
Compl. class :	P&A. SHOWS		
Seisloca :	MN 88-814, SP. 822		

Licensees

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/cm3
CONDUCTOR	30	433.0	36	435.0	
INTERM.	20	1001.0	26	1003.0	1.51
INTERM.	13 3/8	2679.0	17 1/2	2682.0	1.81
OPEN HOLE			12 1/4	3769.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	3215.0 - 3236.8	21.8	100.0
2	3239.0 - 3251.5	12.5	100.0
3	3252.8 - 3267.8	15.0	100.0
4	3269.0 - 3286.6	17.6	100.0
5	3287.0 - 3299.6	12.6	100.0
6	3304.0 - 3321.2	17.2	100.0
7	3328.0 - 3356.0	28.0	100.0

Mud

Depth	Mud weight	Visc.	Mud type
385.5	1.00	20.0	WATER BASED
400.0	1.48	20.0	WATER BASED
430.0	1.05		WATER BASED
446.0	1.05		WATER BASED
547.0	1.05		WATER BASED
599.0	1.05		WATER BASED
715.0	1.05		WATER BASED
795.0	1.05		WATER BASED
863.0	1.05		WATER BASED
1010.0	1.38	20.0	WATER BASED
1015.0	1.20	21.0	WATER BASED
1018.0	1.05		WATER BASED
1110.0	1.05		WATER BASED
1143.0	1.21	12.0	WATER BASED
1306.0	1.20	17.0	WATER BASED
1481.0	1.20	20.0	WATER BASED
1732.0	1.23	20.0	WATER BASED
1792.0	1.23	20.0	WATER BASED
1887.0	1.26	18.0	WATER BASED
1961.0	1.26	15.0	WATER BASED
2043.0	1.28	20.0	WATER BASED
2116.0	1.27	19.0	WATER BASED
2132.0	1.26	20.0	WATER BASED
2242.0	1.26	20.0	WATER BASED
2387.0	1.26	20.0	WATER BASED
2417.0	1.26	20.0	WATER BASED

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2461.0	1.30	22.0	WATER BASED
2486.0	1.32	21.0	WATER BASED
2502.0	1.39	21.0	WATER BASED
2537.0	1.32	20.0	WATER BASED
2616.0	1.31	20.0	WATER BASED
2686.0	1.31	20.0	WATER BASED
2715.0	1.32	20.0	WATER BASED
2832.0	1.44	20.0	WATER BASED
2869.0	1.44	20.0	WATER BASED
2874.0	1.44	20.0	WATER BASED
2935.0	1.44	20.0	WATER BASED
2961.0	1.44	20.0	WATER BASED
3000.0	1.44	20.0	WATER BASED
3031.0	1.44	20.0	WATER BASED
3050.0	1.44	20.0	WATER BASED
3136.0	1.44	20.0	WATER BASED
3209.0	1.44	20.0	WATER BASED
3215.0	1.44	20.0	WATER BASED
3228.0	1.51	20.0	WATER BASED
3244.0	1.51	20.0	WATER BASED
3254.0	1.51	20.0	WATER BASED
3269.0	1.51	20.0	WATER BASED
3293.0	1.51	20.0	WATER BASED
3305.0	1.51	20.0	WATER BASED
3328.0	1.51	20.0	WATER BASED
3366.0	1.51	20.0	WATER BASED
3454.0	1.51	20.0	WATER BASED
3566.0	1.51	20.0	WATER BASED
3622.0	1.51	20.0	WATER BASED
3691.0	1.51	20.0	WATER BASED
3769.0	1.48	20.0	WATER BASED

Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
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Drill Stem Test (recovery)

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
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Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	1020 - 3769	300

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500	
AMS	2679.0 - 3750.0			
CDM AP/FMS RESULTS	2660.0 - 3750.0			
CDM AP/SHDT COMPUTED	990.0 - 2680.0			
CDM AP/SHDT FMS	2650.0 - 3750.0			
CDM AP/SHDT RESULTS	900.0 - 2665.0			
CST GR	1020.0 - 2661.0			
DIL SDT GR	998.0 - 2683.0			
DIL SDT GR	2679.0 - 3768.0			
DLL MSFL AMS GR	2679.0 - 3765.0			
DLL MSFL GR	2679.0 - 3765.0			
FMS GR	2679.0 - 3749.0			
LDL CNL NGL	998.0 - 3770.0			
LDL GR	998.0 - 2683.0			
MUD	356.0 - 3768.0			
MWD	382.0 - 3200.0			
MWD + ALLDATA MIX	383.0 - 3769.0			

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PRESSURE EVALUATION	382.0 - 3768.0			
SHDT GR	998.0 - 2685.0			
SYNTHETIC SEISMOPGRM				
TEMPERATURE LOG	998.0 - 2654.0			
TWO-WAY TRAVEL TIME	300.0 - 3700.0			
VSP				
VSP-INTERPR.COMP.				
ZERO OFFSET VSP				

Main operations for well: 35/11-5**Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	450	7,5	0,47
BOP/WELLHEAD EQ	6960	116,0	7,34
CASING	12900	215,0	13,60
CIRC/COND	510	8,5	0,54
DRILL	45180	753,0	47,64
HOLE OPEN	2520	42,0	2,66
REAM	1260	21,0	1,33
TRIP	25050	417,5	26,42
Total	94830	1580,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	180	3,0	0,55
CORE	8130	135,5	24,68
LOG	9300	155,0	28,23
TRIP	15330	255,5	46,54
Total	32940	549,0	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	10110	168,5	15,44
MAINTAIN/REP	23850	397,5	36,42
SIDETRACK	8280	138,0	12,64
WAIT	23250	387,5	35,50
Total	65490	1091,5	100,00

Main operation: MOVING

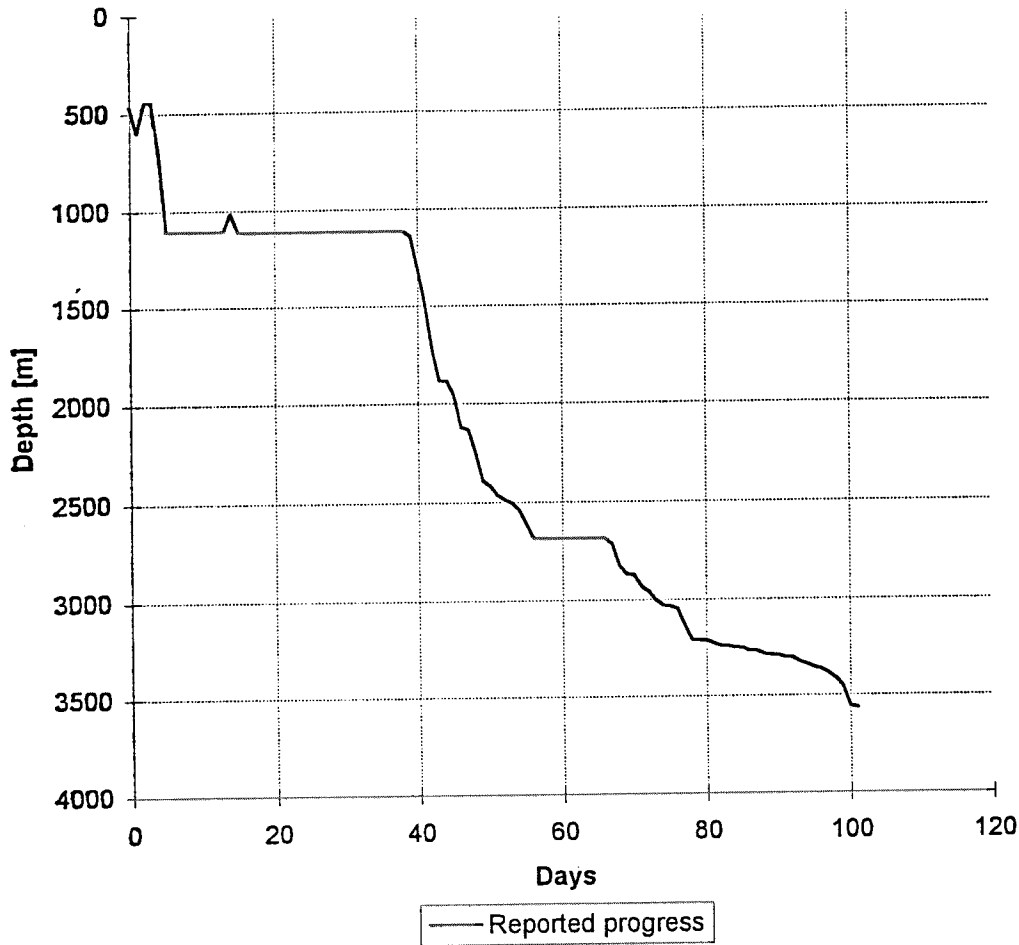
Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	5910	98,5	74,34
POSITION	840	14,0	10,57
TRANSIT	1200	20,0	15,09
Total	7950	132,5	100,00

Main operation: PLUG & ABANDON

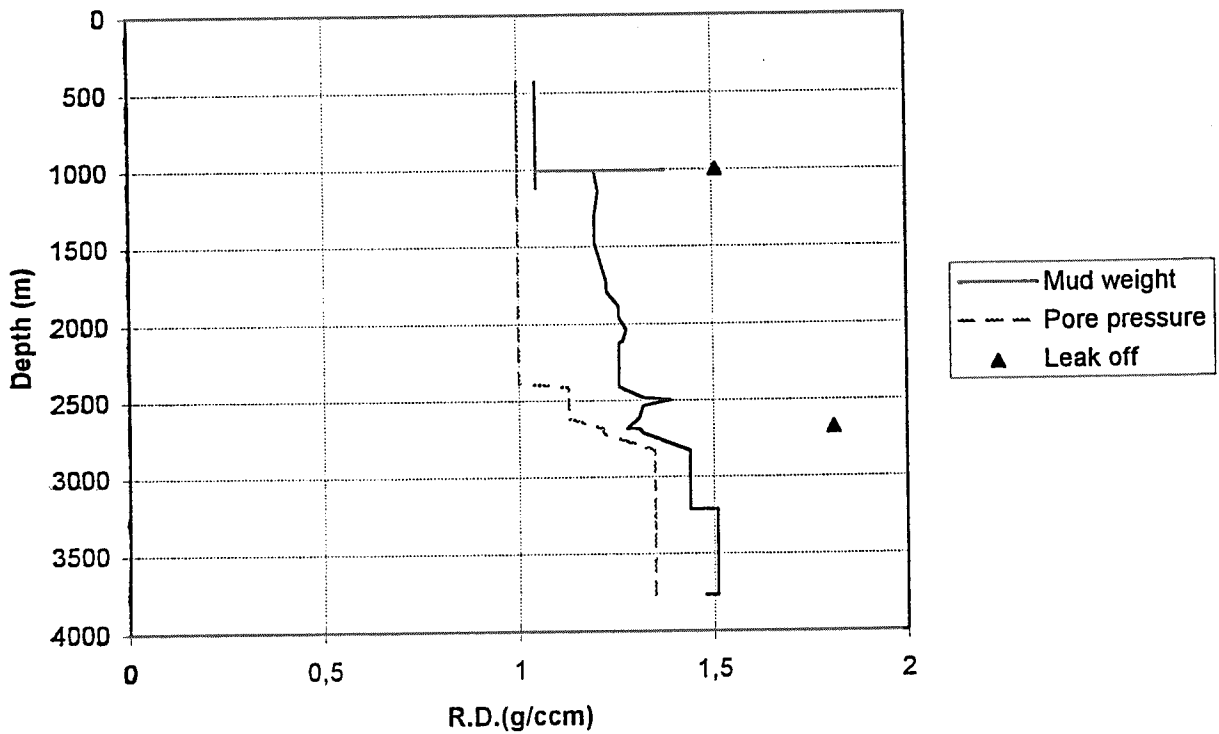
Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	2670	44,5	25,50
CIRC/COND	150	2,5	1,43
CUT	1800	30,0	17,19
EQUIP RECOVERY	1950	32,5	18,62
TRIP	3900	65,0	37,25
Total	10470	174,5	100,00

Total time used: Hours

Depth vs time for well: 35/11-5



Composite plot for well: 35/11-5



Well History 35/11-5

General:

Well 35/11-5 was designed to drill the "D" west prospect in block 35/11, which is situated on the eastern flank of the Viking Graben on the north-western part of the Horda Platform. The regional structural trend is north-south, with some NNE-SSW components. Significant periods of tectonism, spanning from Middle Jurassic into the Lower Cretaceous caused depositional thinning, erosion, and faulting. The well was planned to be drilled to a total depth of 3678 m RKB. The primary objective for 35/11-5 was the Middle Jurassic Brent Group. Reservoirs were expected in the Tarbert, Ness, Etive and Oseberg Formations. Secondary there was a possibility for reservoir development in the Upper Jurassic Sognefjord Formation. Similar sands are the main reservoir in the Troll area, and are expected to be well developed in the eastern part of the block. No shallow gas warnings were given. Boulders might be encountered in the interval 395- 532 m RKB.

Operations:

Wildcat well 35/11-5 was spudded 27 June 1991 by the semi-submersible rig Sovereign Explorer and completed 15 November 1991 at a total depth of 3771 m RKB within the Statfjord Formation. The well reached a depth of 1118 m MD before technical problems caused the well to be respudded 18 July 1991. Waterbearing sandstones were drilled in Palaeocene. The Upper Jurassic Sognefjord Formation came in at 2848.5 m sub-sea (18 m higher than prognosed) having a thin oil zone and generally poor reservoir quality. A thin gas/condensate zone in the upper part of the Middle Jurassic Brent Group which came in at 3181.5 m sub-sea (82.5 m lower than prognosed). A total of 7 cores were cut in this well within the Brent Group. A total of 240 sidewall cores were attempted in 4 runs, and 150 were recovered. The well was permanently plugged and abandoned as a minor oil and gas/condensate discovery.

Testing:

No DST tests were performed

Geological Tops.

Well: 35/11-5.

	Depth m (RKB).
Nordland Group	771.0
Utsira Fm	771.0
Hordaland Group	855.0
Rogaland Group	1701.0
Balder Fm	1701.0
Sele Fm	1753.0
Lista Fm	1838.0
Våle Fm	2022.5
Shetland Group	2044.0
Cromer Knoll Group	2550.0
Rodby Fm	2550.0
Åsgard Fm	2581.5
Mime Fm	2620.5
Viking Group	2657.5
Draupne Fm	2657.5
Sognefjord Fm	2875.0
Heather Fm	2949.5
Brent Group	3208.0
Tarbert Fm	3208.0
Ness Fm	3216.0
Etive Fm	3293.0
Rannoch Fm	3311.5
Oseberg Fm	3342.0
Dunlin Group	3396.0
Drake Fm	3396.0
Cook Fm	3466.5
Amundsen Fm	3533.0
Johansen Fm	3570.0
Amundsen Fm	3628.0
Statfjord Fm	3688.5
T.D.	3771.0