

WDSS Report

Date: 05/03/98

PB/ABS

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Well no:	Operator:
33/09-15	MOBIL

Well

Coordinates :	61° 24' 24.67" N 01° 57' 15.78" E	UTM coord. :	6808715.45 N 444170.58 E
License no :	172	Permit no :	727
Rig :	SOVEREIGN EXPLOR	Rig type :	SEMI-SUB.
Contractor :	ROSS OFFSHORE A/S		
Bottom hole temp:	99 °C	Elev. KB :	27 M
Spud. date :	92.04.23	Water depth :	252 M
Compl. date :	92.06.08	Total depth :	3011 M
Spud. class :	WILDCAT	Form. at TD :	
Compl. class :	P&A. SHOWS	Prod.form. :	
Seisloca :	E86X403, SP. 1001		

Licensees

15.000000 NORSKE CONOCO A/S
25.000000 MOBIL DEVELOPMENT NORWAY AS
50.000000 DEN NORSKE STATS OLJESELSKAP A.S
10.000000 AMERADA HESS NORGE 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	416.0	
INTERM.	13 3/8	1199.0	17 1/2	1210.0	1.71
INTERM.	9 5/8	2209.0	12 1/4	2218.0	1.90
OPEN HOLE		3007.0	8 1/2	3007.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	2711.0 - 2721.8	10.8	100.0
2	2723.0 - 2731.6	8.6	100.0
3	2733.0 - 2769.6	36.6	100.0
4	2770.0 - 2783.0	13.3	100.0
5	2783.0 - 2800.5	17.5	100.0
6	2801.0 - 2806.7	5.7	100.0
7	2811.0 - 2820.0	9.0	100.0
8	2820.0 - 2838.5	18.5	100.0

Mud

Depth	Mud weight	Visc.	Mud type
413.0	1.26	20.0	WATER BASED
535.0	1.14	28.0	WATER BASED
875.0	1.14	28.0	WATER BASED
1205.0	1.14	14.0	WATER BASED
1490.0	1.26	14.0	WATER BASED
1774.0	1.35	16.0	WATER BASED
1943.0	1.46	24.0	WATER BASED
2218.0	1.49	22.0	WATER BASED
2603.0	1.54	33.0	WATER BASED
2711.0	1.57	33.0	WATER BASED
2770.0	1.57	26.0	WATER BASED
2797.0	1.57	30.0	WATER BASED
3007.0	1.57	27.0	WATER BASED

Drill Stem Test (intervals and pressures)

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

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

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Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	430 - 3007	270

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500	
CST	421.0 - 1200.0			
CST	2155.0 - 2205.0			
DIL LSS CAL GR AMS	1199.0 - 2220.0			
DIL LSS GR SP	2209.0 - 3009.0			
DIL SLS GR AMS	250.0 - 1205.0			
DLL MSFL GR SP	2209.0 - 3010.0			
LDL CNL NGL AMS	2209.0 - 3010.0			
LDL GR	250.0 - 1205.0			
LITHOLOGY LOG	420.0 - 3007.0			
LSAL SWAL	3800.0 - 7265.0			
MUD	1950.0 - 2200.0			
MWD	279.0 - 2218.0			
NGT RATIOS	2208.0 - 3000.0			
PRESSURE EVALUATION				
RFT HP	2742.0 - 2976.0			

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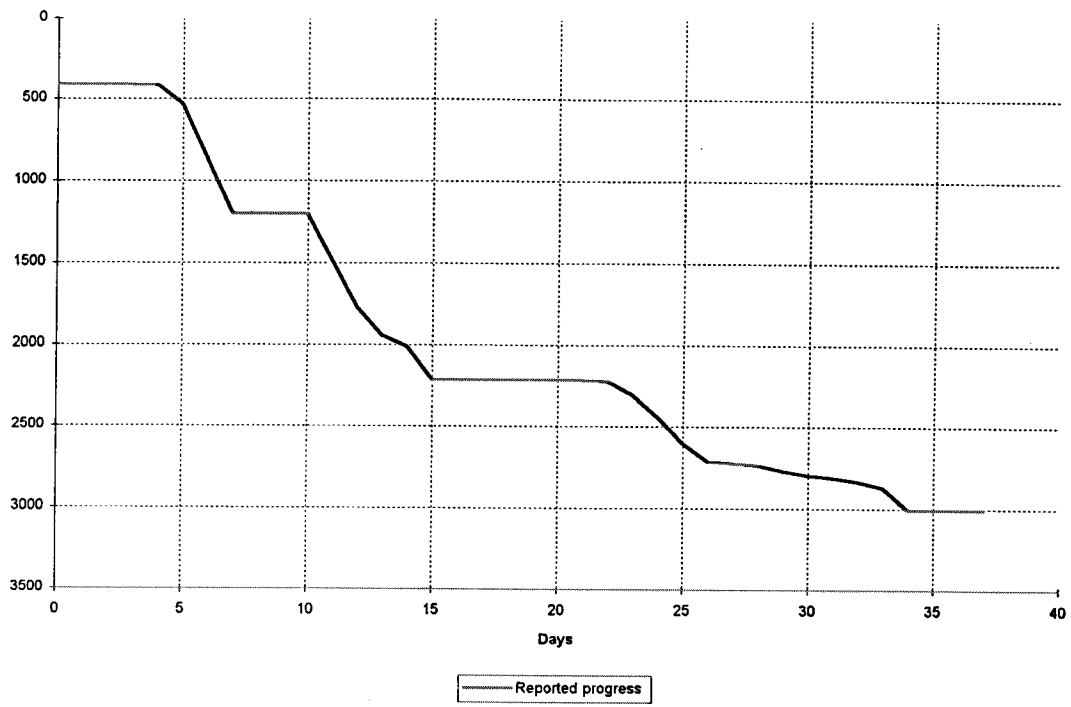
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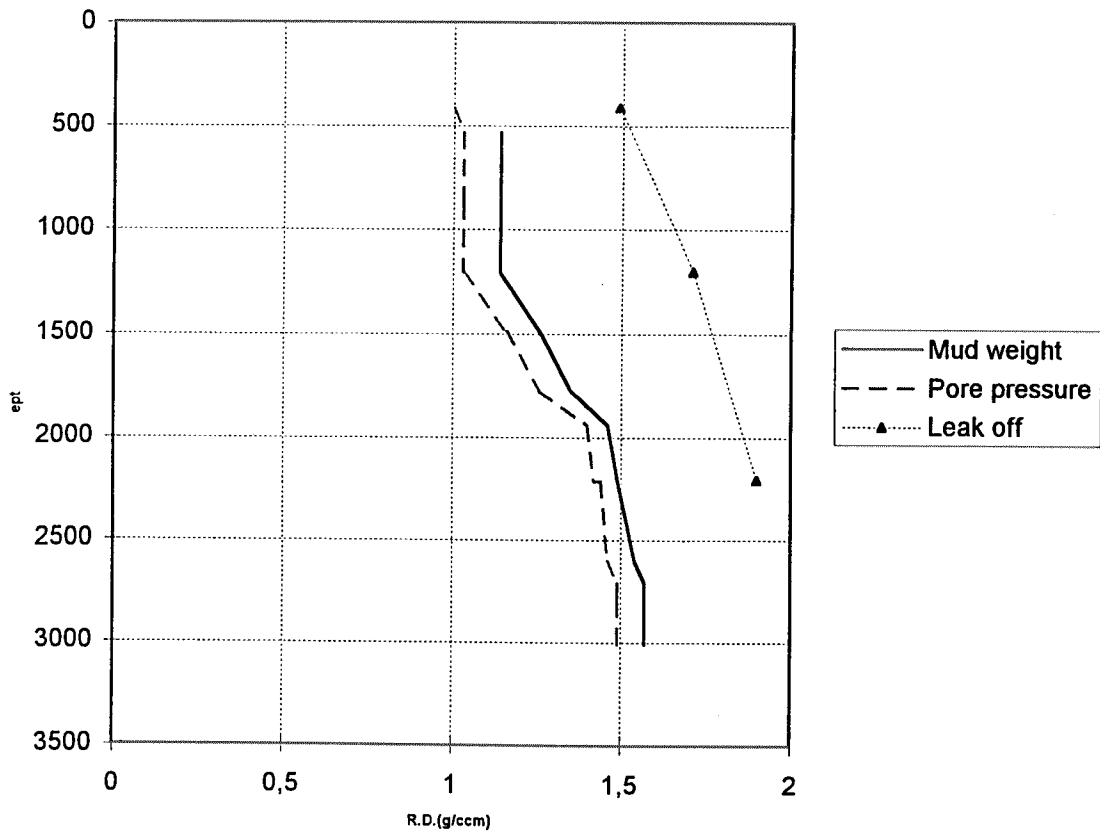
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RWD	279.0 - 3007.0			
SHDT GR	2208.0 - 3010.0			
SIDEWALL CORE SAMPLE	2227.0 - 2993.0			
SYNTHETIC SEISMOGRAM				
TWO WAY TRAVEL TIME				
VSP				

Depth v.s. time plot for well: 33/9-15



Composite plot for well: 33/9-15



main operations for well 001-10

Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	1650	27,5	4,18
BOP/WELLHEAD EQ	1740	29,0	4,41
CASING	8790	146,5	22,28
CIRC/COND	930	15,5	2,36
DRILL	14670	244,5	37,19
HOLE OPEN	960	16,0	2,43
OTHER	120	2,0	0,30
PRESS DETECTION	120	2,0	0,30
REAM	1410	23,5	3,57
TRIP	8940	149,0	22,66
WAIT	120	2,0	0,30
Total	39450	657,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	180	3,0	1,06
CIRC/COND	90	1,5	0,53
CORE	3450	57,5	20,28
LOG	6780	113,0	39,86
TRIP	6510	108,5	38,27
Total	17010	283,5	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	2580	43,0	87,76
MAINTAIN/REP	360	6,0	12,24
Total	2940	49,0	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	2070	34,5	46,62
POSITION	390	6,5	8,78
TRANSIT	1980	33,0	44,59
Total	4440	74,0	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	810	13,5	12,05
CUT	1710	28,5	25,45
EQUIP RECOVERY	2910	48,5	43,30
OTHER	60	1,0	0,89
TRIP	1230	20,5	18,30
Total	6720	112,0	100,00

Total time used: 1176,0 Hours

WELL HISTORY 33/9-15

GENERAL:

The 33/9-15 well is located on the north western flank of the Tampen Spur geological province, which in turn is on the western margin of the North Viking Graben. To the north of the well location lies the Statfjord Nord oil field with the main Statfjord oil field to the south and Statfjord Øst to the Southeast. Well 33/9-15 was drilled in the southern part of Licence PL172. The primary objective was to evaluate the hydrocarbon potential of the Upper Jurassic Munin sandstone unit of the Draupne Formation, which was thought to be similar to, or possibly associated with, the nearby Statfjord Nord field. The secondary objective was to evaluate the middle Jurassic sands of the Brent Group.

OPERATION:

The well 33/9-15 was spudded 23 April 1992 by the semi submersible rig "Sovereign Explorer", and completed 27 May 1992 at a depth of 3007m RKB in the middle Jurassic Eive Formation. Eight cores were cut, two in the Cromer Knoll Group and six in the Draupne Formation of the Viking Group. A thin oil zone was encountered at the top of the Munin sandstone unit of the Draupne Formation and two additional thin oil zones were seen further down in the Munin sandstone. The well was plugged and abandoned as a dry hole with oil shows.

TESTING:

No DST tests were performed in this well.

Geological Tops.

Well: 33/9-15.

	Depth m (RKB).
Nordland Group	924.0
Utsira Fm	924.0
Hordaland Group	997.5
Rogaland Group	1690.0
Balder Fm	1690.0
Lista Fm	1783.0
Våle Fm	1922.5
Shetland Group	1935.0
Jorsalfare Fm	1935.0
Kyrre Fm	2120.0
Cromer Knoll Group	2702.0
Rødby Fm	2702.0
Sola Fm	2713.0
Mime Fm	2737.0
Viking Group	2741.5
Draupne Fm	2741.5
Heather Fm	2851.0
Brent Group	2944.5
Tabert Fm	2944.5
Ness Fm	2957.5
Etive Fm	3003.0
T.D.	3011.0