

WDSS Report

Date: 17/04/98

PB/SKR

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Well no:	Operator:
1/06-07	CONOCO

Well

Coordinates :	56° 33' 20.01" N 02° 54' 11.18" E	UTM coord. :	6268058.24 N 494043.59 E
License no :	144	Permit no :	724
Rig :	WEST VANGUARD	Rig type :	SEMI-SUB.
Contractor :	A/S SMEDVIG DRILLING CO.		
Bottom hole temp:	180 °C	Elev. KB :	21 M
Spud. date :	92.03.16	Water depth :	70 M
Compl. date :	92.07.13	Total depth :	4995 M
Spud. class :	WILDCAT	Form. at TD :	L.JURASSIC
Compl. class :	P&A. SHOWS	Prod.form. :	
Seisloca :	CNI/88-4A, SP. 625		

Licenseses

25.000000 NORSKE CONOCO A/S
50.000000 DEN NORSKE STATS OLJESELSKAP A.S
25.000000 BP PETROLEUM DEV. OF NORWAY AS

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm ³
INTERM.		20.0			
CONDUCTOR	30	165.0	36	167.0	
INTERM.	20	1000.6	26	1002.0	1.81
INTERM.	13 3/8	3261.0	17 1/2	3263.0	1.98
INTERM.	9 7/8	4346.8	12 1/4	4348.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	3295.0 - 3313.9	18.9	100.0
2	4754.0 - 4772.0	18.0	100.0
3	4773.0 - 4800.6	27.6	100.0

Mud

Depth	Mud weight	Visc.	Mud type
96.0	1.04	200.0	WATER BASED
165.0	1.04	80.0	WATER BASED
311.0	1.04	300.0	WATER BASED
478.6	2.09	50.0	WATER BASED
735.0	1.04	28.0	WATER BASED
773.0	1.04	200.0	WATER BASED
903.0	1.71	50.0	WATER BASED
1003.0	1.04	160.0	WATER BASED
1010.0	1.25	72.0	WATER BASED
1150.0	1.43	65.0	WATER BASED
1280.0	1.45	81.0	WATER BASED
1400.0	1.59	67.0	WATER BASED
1490.0	1.64	115.0	WATER BASED
1680.0	1.64	84.0	WATER BASED
1812.0	1.64	69.0	WATER BASED
1952.0	1.64	72.0	WATER BASED
2100.0	1.64	65.0	WATER BASED
2190.0	1.64	68.0	WATER BASED
2396.0	1.64	78.0	WATER BASED
2414.0	1.64	68.0	WATER BASED
2508.0	1.66	82.0	WATER BASED
2640.0	1.67	68.0	WATER BASED
2802.0	1.68	84.0	WATER BASED
2920.0	1.68	89.0	WATER BASED
2992.0	1.69	92.0	WATER BASED
3079.0	1.68	83.0	WATER BASED
3132.0	1.68	100.0	WATER BASED
3152.0	1.71	48.0	WATER BASED
3157.0	1.71	103.0	WATER BASED
3162.0	1.71	80.0	WATER BASED
3224.0	1.71	80.0	WATER BASED
3275.0	1.61	51.0	WATER BASED
3295.0	1.61	48.0	WATER BASED

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3313.9	1.59	43.0	WATER BASED
3335.0	1.56	46.0	WATER BASED
3420.0	1.56	46.0	WATER BASED
3427.0	1.56	48.0	WATER BASED
3507.0	1.56	48.0	WATER BASED
3550.0	1.47	67.0	WATER BASED
3592.0	1.47	47.0	WATER BASED
3613.0	1.47	52.0	WATER BASED
3625.0	1.47	49.0	WATER BASED
3649.0	1.47	48.0	WATER BASED
3655.0	1.47	55.0	WATER BASED
3673.0	1.47	48.0	WATER BASED
3740.0	1.47	50.0	WATER BASED
3770.0	1.47	45.0	WATER BASED
3775.8	1.47	52.0	WATER BASED
3827.0	1.47	46.0	WATER BASED
3916.0	1.47	42.0	WATER BASED
3916.0	1.47	39.0	WATER BASED
3999.0	1.53	38.0	WATER BASED
4059.0	1.53	44.0	WATER BASED
4101.0	1.53	44.0	WATER BASED
4200.0	2.13	55.0	WATER BASED
4223.0	1.53	37.0	WATER BASED
4281.0	1.53	37.0	WATER BASED
4289.0	2.13	59.0	WATER BASED
4331.0	1.53	37.0	WATER BASED
4358.0	1.57	37.0	WATER BASED
4370.0	1.93	45.0	WATER BASED
4441.0	1.93	41.0	WATER BASED
4526.0	1.97	42.0	WATER BASED
4613.0	1.97	46.0	WATER BASED
4691.0	2.00	52.0	WATER BASED
4710.0	2.00	47.0	WATER BASED
4747.0	2.01	52.0	WATER BASED
4754.0	2.01	50.0	WATER BASED
4773.0	2.01	58.0	WATER BASED
4801.0	2.01	48.0	WATER BASED
4824.0	2.13	65.0	WATER BASED
4848.0	2.01	45.0	WATER BASED
4913.0	2.11	45.0	WATER BASED
4985.0	2.11	50.0	WATER BASED
4995.0	2.13	47.0	WATER BASED

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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 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	1010 - 4993	510
CUTTINGS	1010 - 4993	770

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500	
BHC AC DUAL IN FOC	90.0 - 1001.0			
BHC AC GR CAL	90.0 - 1001.0			
BHC ACOUSTILOG BHC	1001.0 - 3273.0			
CALIBRATED VELOCITY	548.0 - 4905.0			
CBL GR	2680.0 - 3452.0			
COMPUTED DIPLOG	3262.0 - 4359.0			
COMPUTED DIPLOG	4350.0 - 4969.0			
DIGITAL ARRAY	1000.0 - 4965.0			

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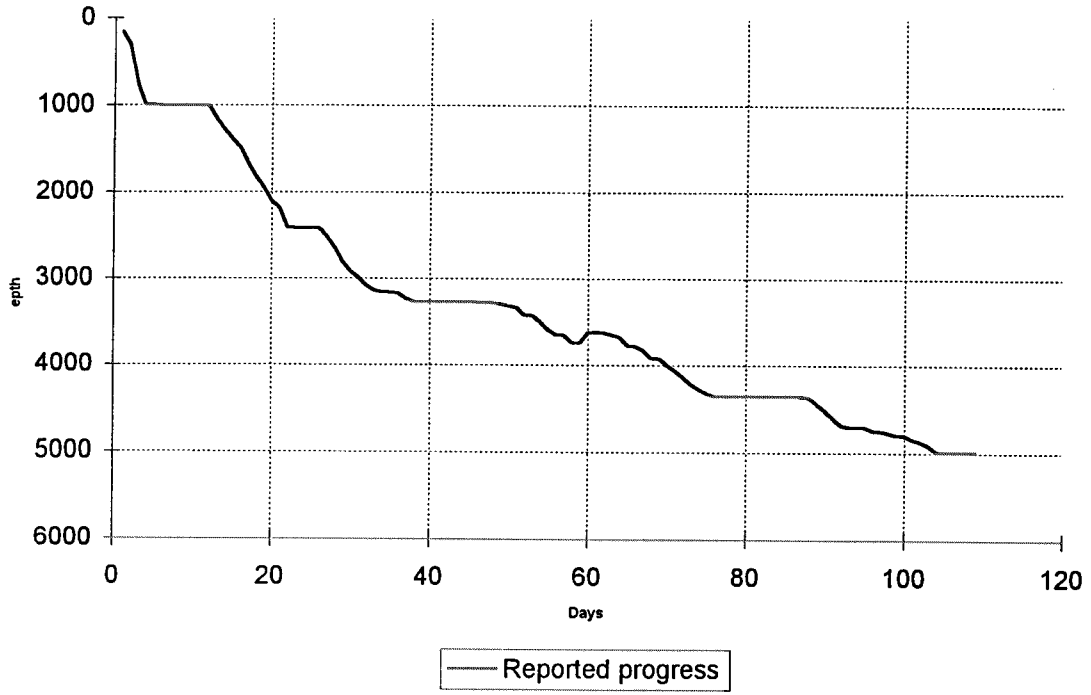
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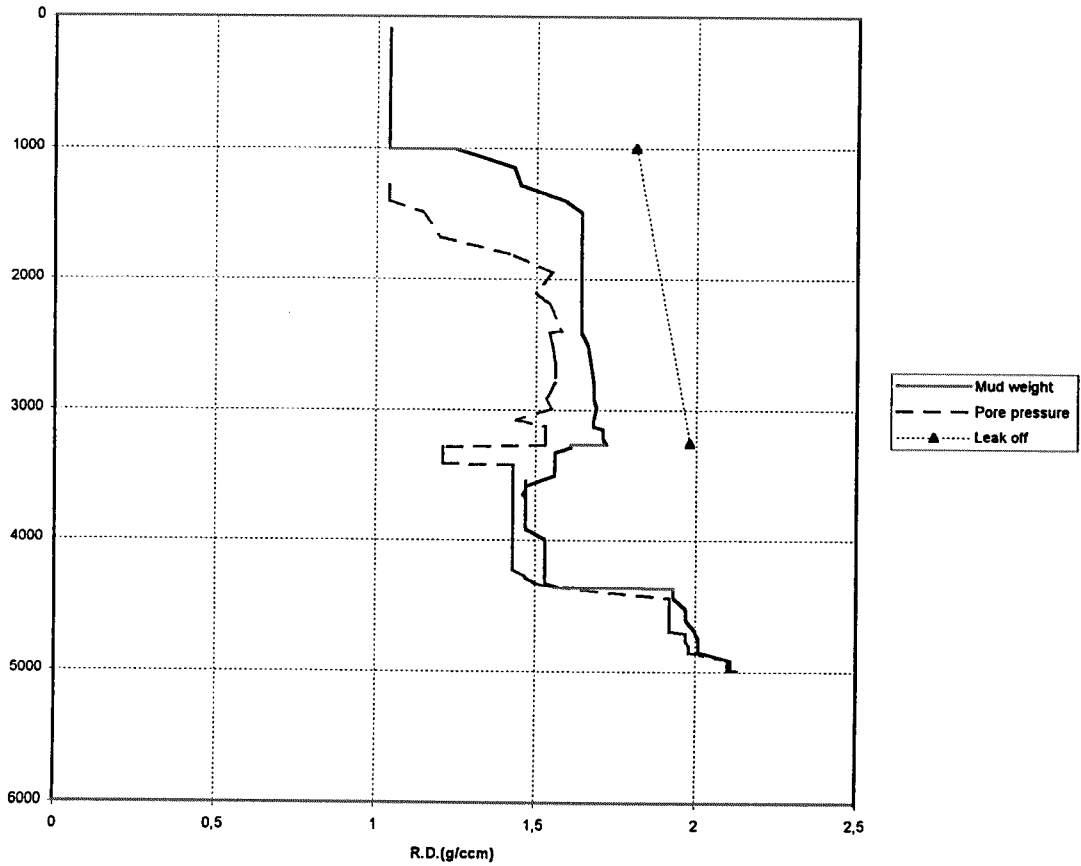
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DPR SHR GR	3275.0 - 4995.0			
DPR SNR GR	3250.0 - 4995.0			
DRILLING DATA	1009.0 - 4995.0			
DUAL INDUCTION	3262.0 - 4965.0			
DUAL LATEROLOG MICRO	3262.0 - 4968.0			
FORMATION EVALUATION	1010.0 - 4995.0			
FORMATION MULTI TEST	4663.0 - 4950.0			
MUD FORMATION	1021.0 - 4990.0			
MUD FORMATION EVALUA	1020.0 - 3720.0			
SOLID STATE DIPLOG	3262.0 - 4360.0			
SYNTHETIC SEISMOGRAM				
TWO WAY TRAVEL TIME	1000.0 - 4500.0			
WIRELINE DATA	1000.0 - 4950.0			
VSP				
Z DENSILOG	90.0 - 4970.0			
Z DENSILOG NEUTRON	1001.0 - 3273.0			
ZDL GR CAL	90.0 - 991.0			

Depth v.s. time plot for well: 1/6-7



Composite plot for well: 1/6-7



Main operations for well: 1/6-7

Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	1230	20,5	0,98
BOP/WELLHEAD EQ	6000	100,0	4,80
CASING	17040	284,0	13,64
CIRC/COND	11130	185,5	8,91
DRILL	50430	840,5	40,37
HOLE OPEN	2640	44,0	2,11
OTHER	2700	45,0	2,16
PRESS DETECTION	1140	19,0	0,91
REAM	5400	90,0	4,32
SURVEY	1830	30,5	1,46
TRIP	25380	423,0	20,32
Total	124920	2082,0	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	960	16,0	5,00
CIRC/COND	1920	32,0	10,00
CORE	2310	38,5	12,03
LOG	10080	168,0	52,50
OTHER	420	7,0	2,19
RFT/FIT	180	3,0	0,94
TRIP	3330	55,5	17,34
Total	19200	320,0	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	4440	74,0	30,52
MAINTAIN/REP	2640	44,0	18,14
OTHER	1620	27,0	11,13
SIDETRACK	3810	63,5	26,19
WAIT	570	9,5	3,92
WELL CONTROL	1470	24,5	10,10
Total	14550	242,5	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	1740	29,0	42,34
POSITION	180	3,0	4,38
TRANSIT	2190	36,5	53,28
Total	4110	68,5	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	690	11,5	8,04
CIRC/COND	900	15,0	10,49
CUT	300	5,0	3,50
EQUIP RECOVERY	1920	32,0	22,38
MECHANICAL PLUG	450	7,5	5,24
OTHER	180	3,0	2,10
PERFORATE	240	4,0	2,80
SQUEEZE	30	0,5	0,35
TRIP	3870	64,5	45,10
Total	8580	143,0	100,00

Total time used: Hours

WELL HISTORY 1/6-7

GENERAL:

Well 1/6 –7 were designated to test the hydrocarbon potential in sandstones of Upper Jurassic age. Secondary objectives were to test for the possible existence of Palaeocene sandstone and the presence of commercial hydrocarbons in Cretaceous Chalk Reservoir.

Block 1/6 is located in the axial parts of the Central Through, adjacent to the Norwegian/U.K. median line. License 144 is bounded to the west by the Josephine Ridge and to the south and east by the deep Feda Graben. The drilled structure is located in the eastern part of the license on the flank of a Salt Diapir.

The Diapir was interpreted to provide closure to the Northwest and faults to provide closure to the north, south and west.

OPERATION:

Well 1/6 –7 was spudded 16 March 1992 with the semi submersible rig "West Vanguard", and it was completed 13th of July 1992 at a total depth of 4995m RKB (in rocks of ?Lower to Middle Oxfordian age). Two sandstone units of Oxfordian age, Unit 1 and Unit 2 respectively, were penetrated with Unit 1 as the primary objective. Average porosity of these units were 21.5 and 16.1% respectively. Paleocene sandstone was not encountered.

Three cores were cut, one in the upper part of the Ekofisk Formation and to in the Haugesund Formation. The well was permanently plugged and abandoned as a dry well

TESTING:

No DST tests were performed

Geological Tops.

Well: 1/6-7

	Depth m (RKB).
Nordland Group.	91.8
Hordaland Group.	1792.0
Rogaland Group.	3069.0
Sele Fm.	3080.0
Våle Fm.	3167.5
Shetland Group.	3278.0
Ekofisk Fm.	3278.0
Tor Fm	3389.0
Hod Fm	3664.5
Blodøks Fm	4146.0
Hidra Fm	4161.5
Cromer Knoll Group.	4291.0
Rødby Fm.	4291.0
Tyne Group.	4402.5
Mandal Fm.	4402.5
Farsund Fm	4448.0
Haugesund Fm	4655.5
T.D.	4995.0