

WDSS Report

Date: 17/04/98

PB/SKR

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Well no:	Operator:
2/05-09	AMOCO

Well

Coordinates :	56° 32' 07.18" N 03° 33' 13.06" E	UTM coord. :	6265939.38 N 534051.23 E
License no :	6	Permit no :	697
Rig :	WEST VANGUARD	Rig type :	SEMI-SUB.
Contractor :	A/S SMEDVIG DRILLING CO.		
Bottom hole temp:	167 °C	Elev. KB :	22 M
Spud. date :	91.09.10	Water depth :	69 M
Compl. date :	92.01.18	Total depth :	5460 M
Spud. class :	WILDCAT	Form. at TD :	L.JURASSIC
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	SGT 8606 - 2203 SP 4188		

Licenseses

28.333000 AMOCO NORWAY OIL COMPANY
28.333000 ENTERPRISE OIL NORWEGIAN AS
15.000000 NORWEGIAN OIL CONSORTIUM A/S & CO
28.333000 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	187.0	36	190.0	
INTERM.	20	950.0	26	960.0	1.75
INTERM.	13 3/8	2872.0	17 1/2	2880.0	2.02
INTERM.	9 5/8	4515.0	12 1/4	4525.0	2.23
OPEN HOLE		5460.0	8 1/2	5460.0	

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Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
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Mud

Depth	Mud weight	Visc.	Mud type
96.0	1.03		WATER BASED
145.0	1.20	10.0	WATER BASED
190.0	1.20	10.0	WATER BASED
336.0	1.74	17.0	WATER BASED
346.0	2.03	28.0	WATER BASED
960.0	1.20	18.0	WATER BASED
963.0	1.00	18.0	WATER BASED
1150.0	1.02	9.0	WATER BASED
1326.0	1.26	15.0	WATER BASED
1699.0	1.34	17.0	WATER BASED
1909.0	1.62	25.0	WATER BASED
2108.0	1.62	26.0	WATER BASED
2185.0	1.62	38.0	WATER BASED
2233.0	1.70	46.0	WATER BASED
2347.0	1.72	37.0	WATER BASED
2423.0	1.70	38.0	WATER BASED
2627.0	1.70	55.0	WATER BASED
2710.0	1.72	50.0	WATER BASED
2795.0	1.74	58.0	WATER BASED
2849.0	1.74	64.0	WATER BASED
2859.0	1.74	34.0	WATER BASED
2875.0	1.74	34.0	WATER BASED
2884.5	1.74	38.0	WATER BASED
2897.0	1.69	30.0	WATER BASED
2897.0	1.68	18.0	WATER BASED
3070.0	1.69	27.0	WATER BASED
3225.0	1.69	28.0	WATER BASED
3255.0	1.68	36.0	WATER BASED
3524.0	1.69	31.0	WATER BASED
3730.0	1.68	24.0	WATER BASED
3860.0	1.61	30.0	OIL BASED
3978.0	1.74	31.0	WATER BASED
4090.0	1.80	33.0	WATER BASED
4150.0	1.81	34.0	WATER BASED
4171.0	1.80	30.0	WATER BASED
4225.0	1.80	31.0	WATER BASED

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4254.0	1.79	31.0	WATER BASED
4301.0	1.80	30.0	WATER BASED
4324.0	1.81	27.0	WATER BASED
4350.0	1.80	26.0	WATER BASED
4372.0	1.80	24.0	WATER BASED
4397.0	1.84	25.0	WATER BASED
4438.0	2.03	25.0	WATER BASED
4470.0	1.84	28.0	WATER BASED
4504.0	1.78	19.0	WATER BASED
4525.0	1.78	24.0	WATER BASED
4591.0	1.78	21.0	WATER BASED
4641.0	1.79	20.0	WATER BASED
4730.0	1.08	17.0	WATER BASED
4732.0	1.79	20.0	WATER BASED
4736.0	1.08	13.0	WATER BASED
4775.0	1.80	16.0	WATER BASED
4838.0	1.80	16.0	WATER BASED
4887.0	1.80	17.0	WATER BASED
4959.0	1.85	18.0	WATER BASED
5031.0	1.85	19.0	WATER BASED
5113.0	1.88	22.0	WATER BASED
5147.0	1.92	21.0	WATER BASED
5151.0	1.93	23.0	WATER BASED
5194.0	1.93	21.0	WATER BASED
5280.0	1.93	24.0	WATER BASED
5337.0	1.93	29.0	WATER BASED
5352.0	1.98	20.0	WATER BASED
5428.0	1.98	24.0	WATER BASED
5460.0	1.98	25.0	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 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	970 - 5460	630

Shallow Gas

Interval below KB	Remarks

Available Logs

Log type	Intervals logged	1/200	1/500	
ARRAY SONIC	2872.0 - 4530.0			
ARRAY SONIC DOT VDL	3210.0 - 4200.0			
ARRAY SONIC STC	4950.0 - 5300.0			
ARRAY SONIC STC	5320.0 - 5390.0			
ARRAY SONIC STC	5320.0 - 5390.0			
ARRAY SONIC STC C D	5300.0 - 5475.0			
CBL VDL GR	900.0 - 2865.0			
CDM AP MSD	2875.0 - 4530.0			
CDM AP MSD	4518.0 - 5332.0			
CDM AP/SHDT FMS	3398.0 - 4125.0			
CDM AP/SHDT LOC	2875.0 - 4530.0			
CDM AP/SHDT MSD	2875.0 - 4530.0			
DLL AS MSFL GR	2872.0 - 4150.0			
DLL LSS GR	950.0 - 2880.0			
DR DATA PR LOG	91.0 - 5460.0			
FORM. EVAL.LOG	91.0 - 5460.0			
LDL CAL GR	950.0 - 2865.0			
LDL CALI GR	2872.0 - 4150.0			
LDL CNL AMS GR	4518.0 - 5318.0			
LDL CNL SGR	2872.0 - 4530.0			

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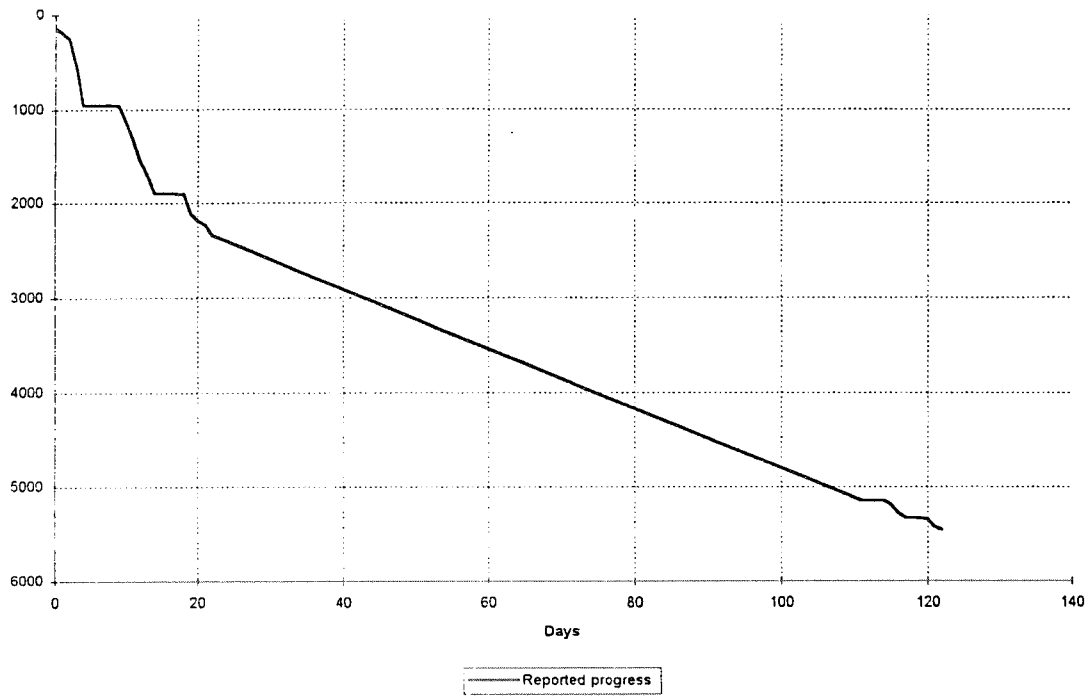
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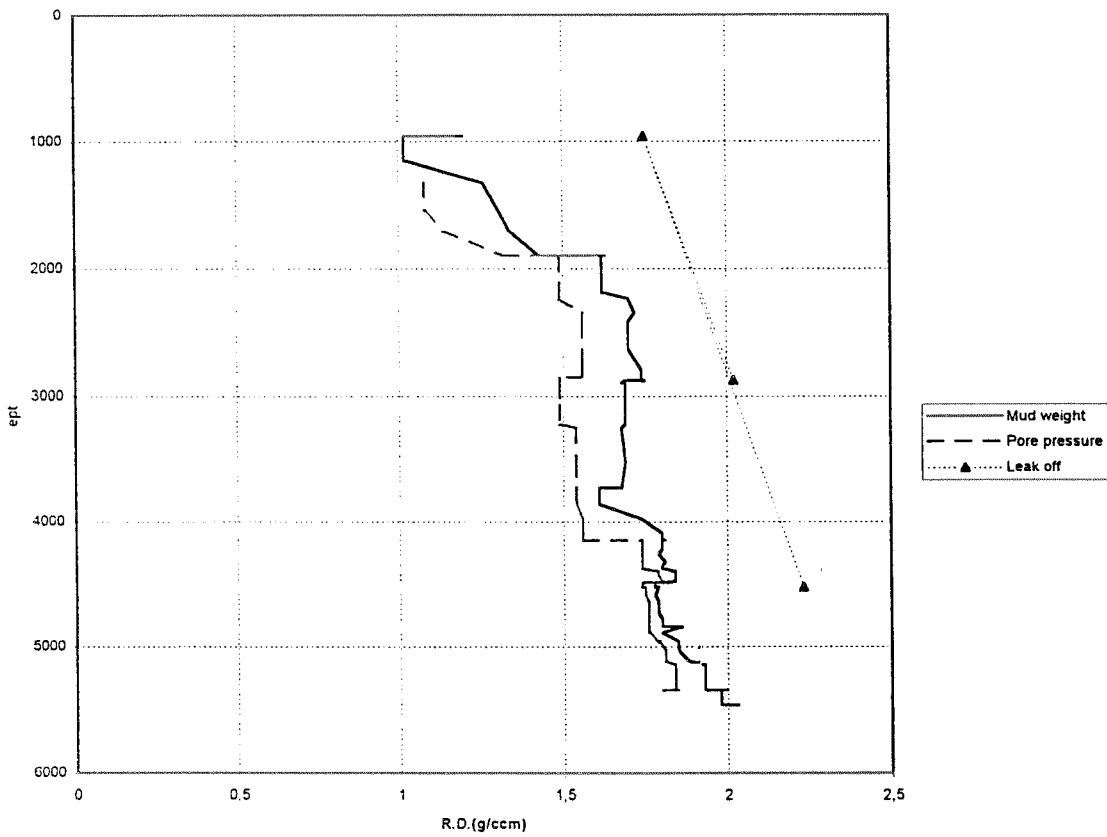
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MSD	4518.0 - 5332.0			
MUD FORM EVALUAT LOG	91.0 - 5460.0			
MWD RES G PL DIR	91.0 - 5147.0			
NGL	2872.0 - 4530.0			
PI LSS GR	5290.0 - 5466.0			
PIL AS GR	4518.0 - 5340.0			
PIL MSFL GR	4000.0 - 4530.0			
RFTB RPQS	2872.0 - 4532.0			
SHDT GR	4518.0 - 5341.0			
SHDT/RAW FMS	2972.0 - 4530.0			
SYNTHETIC SEISMOGRAM	1000.0 - 5400.0			
TWO WAY TRAVEL TIME	950.0 - 5430.0			
VELOCITY LOG	2900.0 - 4680.0			
VERTICAL SEISMIC	1000.0 - 5400.0			
WIRELINE DATA SUM	1000.0 - 5400.0			
WSC	950.0 - 2865.0			
VSP				

Depth v.s. time plot for well: 2/5-9



Composite plot for well: 2/5-9



Main operations for well: 2/5-9**Main operation: DRILLING**

Sub operation:	Minutes:	Hours:	% of total:
BOP/WELLHEAD EQ	5850	97,5	3,56
CASING	10410	173,5	6,34
CIRC/COND	16609	276,8	10,12
DRILL	54071	901,2	32,93
HOLE OPEN	2160	36,0	1,32
OTHER	3960	66,0	2,41
PRESS DETECTION	4320	72,0	2,63
REAM	9360	156,0	5,70
SURVEY	1140	19,0	0,69
TRIP	36480	608,0	22,22
WAIT	19830	330,5	12,08
Total	164190	2736,5	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
LOG	9840	164,0	96,19
OTHER	390	6,5	3,81
Total	10230	170,5	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
MAINTAIN/REP	6450	107,5	100,00
Total	6450	107,5	100,00

Main operation: MOVING

Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	1380	23,0	100,00
Total	1380	23,0	100,00

Main operation: PLUG & ABANDON

Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	810	13,5	12,68
CIRC/COND	420	7,0	6,57
CUT	1410	23,5	22,07
EQUIP RECOVERY	120	2,0	1,88
OTHER	330	5,5	5,16
PERFORATE	780	13,0	12,21
TRIP	2520	42,0	39,44
Total	6390	106,5	100,00

Total time used: Hours

WELL HISTORY 2/5-9

GENERAL:

Well 2/5 -9 was drilled to test the hydrocarbon potential of the Upper Jurassic sands in a rotated fault block, designated as the Magne structure, on the east flank of the central Trough. A total of 1323m of Jurassic section were penetrated, without encountering any sandstone.

OPERATION:

The Magne 2/5 -9 well was spudded on 10 September 1991 with the semi-submersible drilling unit, "West Vanguard". A total depth of 5337m MD RT was reached on 5 January 1992. The well was logged and wireline seismic data indicated a reflector +/- 60m below TD. An additional 123 meter were drilled for a final TD of 5460m.

The well was found to be non-productive and was permanently plugged and abandoned as a dry hole with oil shows.

TESTING:

No DST tests were performed.

Geological Tops.

Well: 2/5-9.

	Depth m (RKB).
Nordland Group	90.5
Hordaland Group	1707.0
Rogaland Group	3126.0
Balder Fm	3126.0
Sele Fm	3148.0
Lista Fm	3195.0
Våle Fm	3243.0
Shetland Group	3259.0
Ekofisk Fm	3259.0
Tor Fm	3378.0
Hod Fm	3703.0
Blodøks Fm	4078.5
Hidra Fm	4080.5
Cromer Knoll Group	4083.0
Tuxen	4083.0
Åsgard Fm	4107.5
Tyne Group	4137.0
Farsund Fm.	4137.0
Haugesund Fm	4313.0
T.D.	5460.0