

Well no : 2/05-08 Operator : AMOCO

Coordinates : 56 35 15.77 N UTM coord. : 6271719 N
 03 26 22.51 E 526999 E

Licence no : 6 Permit no : 585

Rig : DYVI STENA Rig type : SEMI-SUB.

Contractor : SEATEC OFFSHORE

Bottom hole temperature : 117 deg.C Elev. KB : 25 M

Spud. date : 88.09.18 Water depth : 66 M

Compl. date : 88.11.05 Total depth : 3367 M

Spud. class : APPRAISAL Form. at TD : CRETACEOUS

Compl. class : P&A. SHOWS Prod. form :

Seisloca : ANO 79 - 56 SP 133

LICENSEES

28.333000 AMERADA HESS NORGE A/S
 28.333000 AMOCO NORWAY OIL COMPANY
 15.000000 NORWEGIAN OIL CONSORTIUM A/S & CO
 28.333000 TEXAS EASTERN NORWEGIAN INC.

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	139.0	36	166.0	.
SURF.COND.	20	359.0	26	373.0	1.50
SURF.COND.	20	360.0	26	373.0	1.50
INTERM.	13 3/8	1582.0	17 1/2	1598.0	1.93
INTERM.	9 5/8	3006.0	12 1/4	3017.0	1.92

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	3115.0 - 3130.0	15.0	100.0	
2	3130.0 - 3142.5	12.5	100.0	
3	3207.0 - 3234.0	27.0	100.0	
4	3235.0 - 3263.0	28.0	100.0	
5	3262.0 - 3291.0	29.0	100.0	

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Viscosity	Mud type
146.000	1.05	10.0	WATER BASED
166.000	1.06	10.0	WATER BASED

370.000	1.03	12.0	WATER BASED
373.000	1.14	13.0	WATER BASED
828.000	1.18	16.0	WATER BASED
987.000	1.25	17.0	WATER BASED
1204.000	1.31	20.0	WATER BASED
1595.000	1.44	29.0	WATER BASED
3017.000	1.62	21.0	WATER BASED
3017.000	1.64	20.0	WATER BASED
3367.000	1.62	27.0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	390-3365	240
Wet Samples	390-3365	180

SHALLOW GAS

Interval below KB	REMARKS
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AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
DIL BHC GR CAL	90.000 - 3013.000	X	X	
DIL BHC GR SP	3004.000 - 3366.000	X	X	
LDL CNL GR CAL	3004.000 - 3367.000	X	X	
DLL MSFL GR CAL	3004.000 - 3367.000	X	X	
MWD	367.000 - 3200.000	X	X	
CDM AP	3010.000 - 3367.000	X	X	
CBL VDL GR CCL	1100.000 - 2983.000	X		
RFTB (HPGP)	3111.000 - 3290.000			
RFTB (SGP)	3111.000 - 3290.000			
TEMPERATURE DATA LOG	370.000 - 3355.000			X
PRESSURE PARAMETER	100.000 - 3360.000			X
DRILLING DATA LOG	100.000 - 3365.000			X
MUD	370.000 - 3367.000			X
VELOCITY	1570.000 - 3330.000			X
(Synthetic Seismogram, Geogram,	5+10 cm/s, 10 inch/s			24 stk)
(Frequency test, 5cm/s, 10 cm/s, 10 inch/s				12 stk)

MAIN OPERATIONS FOR WELL: 000205 08

Main operation: DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	30	0,5	0,06
BOP/WELLHEAD EQ	2400	40,0	4,46
CASING	14250	237,5	26,49
CIRC/COND	1560	26,0	2,90
DRILL	21390	356,5	39,77
OTHER	330	5,5	0,61
REAM	3540	59,0	6,58
TRIP	10290	171,5	19,13
Total	53790	896,5	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC/COND	180	3,0	2,21
CORE	2010	33,5	24,63
LOG	3600	60,0	44,12
TRIP	2370	39,5	29,04
Total	8160	136,0	100,00

Main operation: INTERRUPTION

Sub operations	Minutes	Hrs	% of total
MAINTAIN/REP	480	8,0	64,00
OTHER	270	4,5	36,00
Total	750	12,5	100,00

Main operation: MOVING

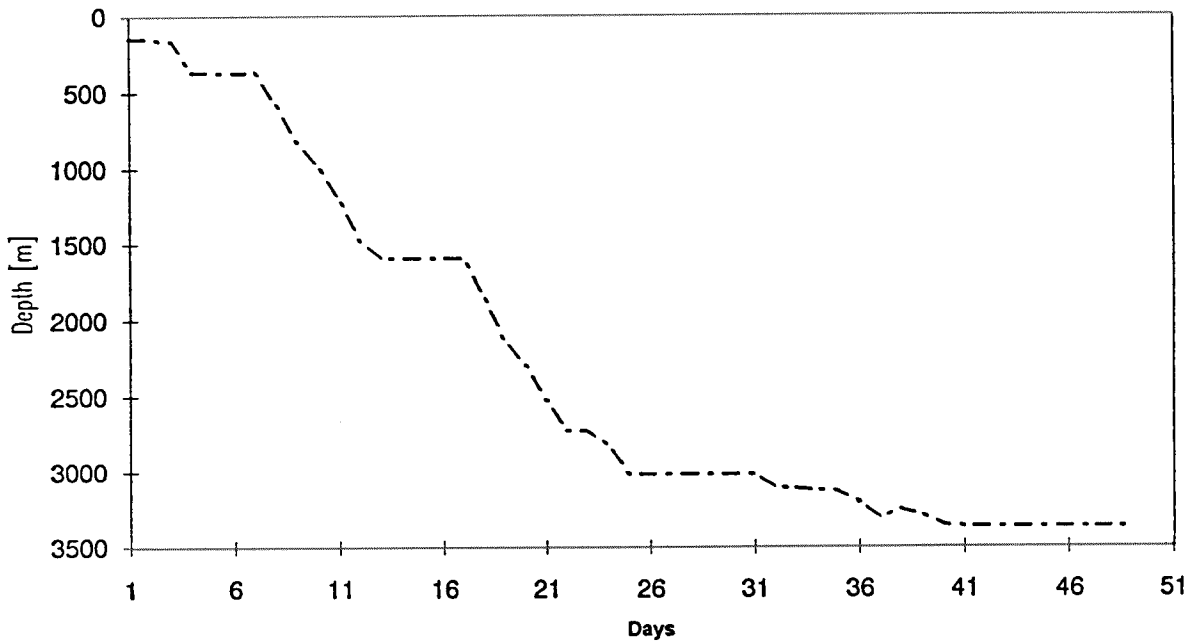
Sub operations	Minutes	Hrs	% of total
ANCHOR	2520	42,0	100,00
Total	2520	42,0	100,00

Main operation: PLUG & ABANDON

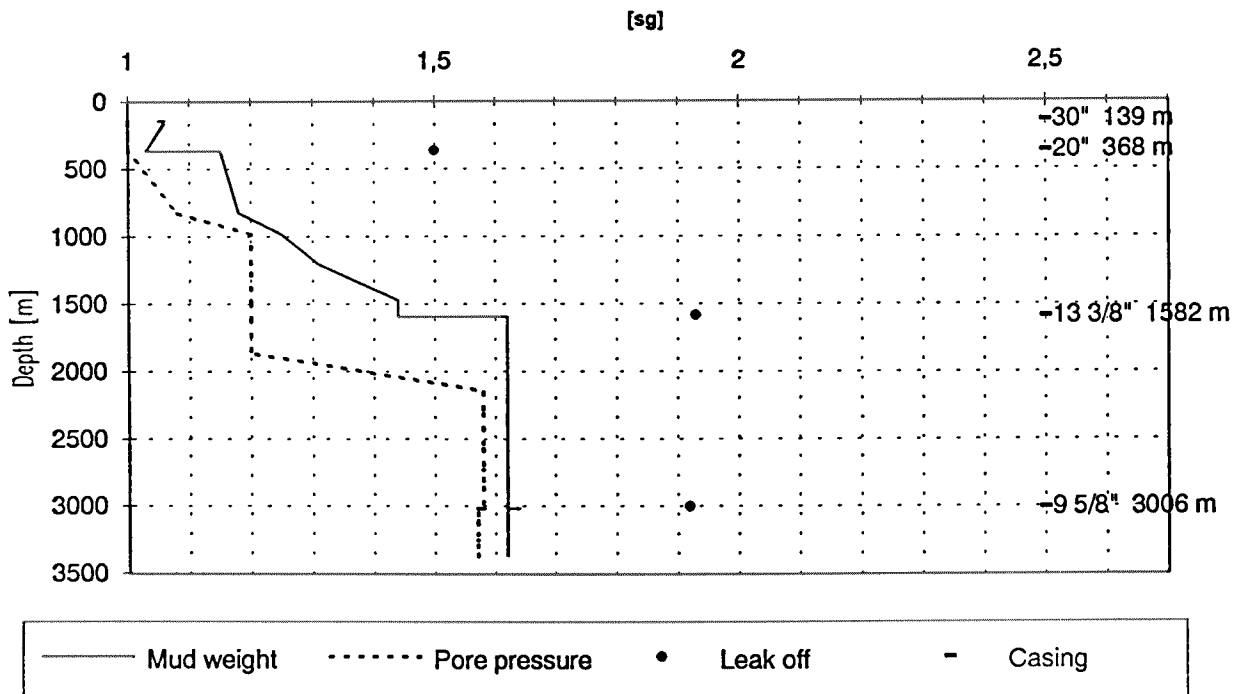
Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	540	9,0	7,96
CIRC/COND	600	10,0	8,85
CUT	930	15,5	13,72
EQUIP RECOVERY	1890	31,5	27,88
MECHANICAL PLUG	360	6,0	5,31
OTHER	150	2,5	2,21
PERFORATE	570	9,5	8,41
TRIP	1740	29,0	25,66
Total	6780	113,0	100,00

Total time used 1200 hrs (50 days)

Depth v.s. time plot for well: 000205 08



Composite plot for well: 000205 08



MUD PROPERTIES

Depth below KB meter	Mud weighth g/cm3	Viscosity	Mud type
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3.700	1.80	15.0	WATER BASED
25.600	2.04	23.0	OIL BASED
132.300	1.03	0.0	WATER BASED
146.600	1.04	0.0	WATER BASED
166.100	1.02	0.0	WATER BASED
172.500	1.03	0.0	WATER BASED
183.500	1.02	0.0	WATER BASED
1074.400	1.04	0.0	WATER BASED
1074.400	1.10	0.0	WATER BASED
1074.400	1.23	19.0	WATER BASED
1156.700	1.32	14.0	WATER BASED
1373.100	1.33	18.0	WATER BASED
1498.400	1.43	15.0	WATER BASED
1613.900	1.51	14.0	WATER BASED
1798.600	1.58	17.0	WATER BASED
1841.000	2.11	45.0	OIL BASED
1937.000	2.12	66.0	WATER BASED
2115.600	1.65	18.0	WATER BASED
2148.800	1.85	18.0	WATER BASED
2269.500	1.65	19.0	WATER BASED
2387.500	1.67	15.0	WATER BASED
2387.500	1.65	14.0	WATER BASED
2443.000	1.83	16.0	WATER BASED
2447.500	1.65	18.0	WATER BASED
2447.500	1.67	18.0	WATER BASED
2450.600	1.65	13.0	WATER BASED
2484.100	1.80	17.0	WATER BASED
2610.000	1.67	14.0	WATER BASED
2769.100	1.80	18.0	WATER BASED
2834.600	1.68	18.0	WATER BASED
2914.800	1.80	16.0	WATER BASED
2998.900	1.71	21.0	OIL BASED
3019.000	1.80	17.0	WATER BASED
3023.600	2.10	46.0	OIL BASED
3048.000	1.85	20.0	WATER BASED
3098.300	1.71	23.0	WATER BASED
3101.300	1.80	17.0	WATER BASED
3194.900	1.75	22.0	WATER BASED
3252.200	1.80	17.0	WATER BASED
3320.500	1.75	20.0	WATER BASED
3329.900	1.80	17.0	WATER BASED
3382.100	1.75	20.0	WATER BASED
3403.100	1.98	12.0	WATER BASED
3404.600	1.80	19.0	WATER BASED
3454.600	1.75	19.0	WATER BASED
3468.300	1.80	17.0	WATER BASED
3480.800	1.68	21.0	WATER BASED
3486.000	1.75	22.0	WATER BASED
3583.500	1.80	17.0	WATER BASED
3609.700	1.74	21.0	WATER BASED
3676.500	1.80	15.0	WATER BASED
3696.000	1.75	20.0	WATER BASED
3711.900	1.80	14.0	WATER BASED
3723.700	1.75	19.0	WATER BASED
3730.400	1.75	18.0	WATER BASED
3740.800	1.80	16.0	WATER BASED
3761.200	1.75	18.0	WATER BASED

3785.600	2.11	45.0	OIL	BASED
3790.200	1.80	15.0	WATER	BASED
3814.900	1.75	20.0	WATER	BASED
3815.500	1.80	16.0	WATER	BASED
3818.500	1.86	17.0	WATER	BASED
3818.500	1.92	21.0	WATER	BASED
3818.500	1.94	21.0	WATER	BASED
3818.500	1.93	19.0	WATER	BASED
3881.000	1.94	30.0	OIL	BASED
3925.200	1.75	21.0	WATER	BASED
3945.600	1.94	60.0	OIL	BASED
3956.000	1.75	20.0	WATER	BASED
3992.900	1.94	26.0	OIL	BASED
4018.200	1.75	20.0	WATER	BASED
4063.000	1.94	26.0	OIL	BASED
4083.700	1.99	26.0	OIL	BASED
4083.700	2.04	27.0	OIL	BASED
4084.300	2.03	23.0	OIL	BASED
4085.800	1.77	19.0	WATER	BASED
4085.800	1.87	28.0	WATER	BASED
4085.800	1.85	25.0	WATER	BASED
4085.800	1.87	15.0	WATER	BASED
4085.800	1.98	10.0	WATER	BASED
4085.800	2.16	19.0	WATER	BASED
4085.800	1.85	16.0	WATER	BASED
4163.600	2.05	27.0	OIL	BASED
4238.200	2.11	31.0	OIL	BASED
4255.600	2.05	27.0	OIL	BASED
4255.600	2.09	31.0	OIL	BASED
4255.600	2.07	77.0	OIL	BASED
4255.600	2.10	28.0	OIL	BSAED
4255.600	2.06	25.0	WATER	BASED
4270.200	2.10	34.0	OIL	BASED
4270.200	2.09	37.0	OIL	BASED
4270.200	2.10	38.0	OIL	BASED
4270.200	2.11	20.0	OIL	BASED
4270.200	2.10	37.0	OIL	BASED
4270.200	2.09	37.0	OIL	BASED
4270.200	2.11	36.0	OIL	BASED
4270.200	2.09	39.0	OIL	BASED
4270.200	2.10	33.0	OIL	BASED
4270.200	2.09	41.0	OIL	BASED
4270.200	2.10	41.0	OIL	BASED
4270.200	2.09	42.0	OIL	BASED
4270.200	2.10	42.0	OIL	BASED
4270.200	2.09	41.0	OIL	BASED
4270.200	2.10	41.0	OIL	BASED
4270.200	2.11	42.0	OIL	BASED
4270.200	2.10	40.0	OIL	BASED
4270.200	2.11	49.0	OIL	BASED
4281.200	2.09	28.0	OIL	BASED
4284.000	2.11	30.0	OIL	BASED
4284.000	2.13	31.0	OIL	BASED
4284.000	2.11	30.0	OIL	BASED
4369.600	2.07	30.0	OIL	BASED
4417.500	2.11	30.0	OIL	BASED
4438.500	2.07	28.0	OIL	BASED
4450.100	2.10	30.0	OIL	BASED
4509.500	2.09	30.0	OIL	BASED
4509.500	2.10	31.0	OIL	BASED
4513.500	2.12	66.0	OIL	BASED
4513.500	1.95	44.0	WATER	BASED
4513.500	1.44	0.0	WATER	BASED

Well History 2/5-8

GENERAL:

The well was located on the South East Tor Field in block 2/5 in the Central Trough, offshore Norway. The overall outline of the field had previously been defined by the wells 2/5-3 and 2/5-5.

The purpose of the well was to test the distribution of high porosity, re-deposited chalk and productive zones in the portion of the field west of the major N-S trending crestal fault. It was also planned to test the productivity of the chalk in both the Ekofisk and Tor Formations on the flanks, confirm reserve calculations for the structure and get good oriented core coverage in both formations.

OPERATIONS:

Appraisal well 2/5-8 was spudded 18 September 1988 by Seatec semi-submersible rig Dyvi Stena and completed 5 November 1988 at a depth of 3367 m in Cretaceous rocks. Drilling proceeded without any significant problems.

Top Ekofisk came in at 3107 m, 3 m higher than prognosed. 2 cores were cut in the interval 3115 - 3142.5 m. The cores showed no signs of hydrocarbons. The formation was 100 % chalk, tight with calcite cemented fractures.

Top Tor Formation was encountered at 3204 m, and 3 cores were cut. At top there was weak hydrocarbon shows. The logs confirmed the negative result from the cores. A possible water/oil contact is at 3311 - 3314 m. This is based on background gas and shows in the cuttings.

The well was plugged and abandoned with shows.

TESTING:

No DST tests were performed in the well.

GEOLOGICAL TOPS

WELL: 2/5-8

Depth m (RKB)

<i>Nordland Group</i>	91.5
<i>Hordaland Group</i>	1898.0
<i>Rogaland Group</i>	2953.0
<i>Balder Fm.</i>	2953.0
<i>Sele Fm.</i>	2973.0
<i>Lista Fm.</i>	3042.0
<i>Maureen Fm.</i>	3090.0
<i>Shetland Group</i>	3107.0
<i>Ekofisk Fm.</i>	3107.0
<i>Tor Fm.</i>	3204.0
<i>Hod Fm. (?)</i>	3323.0
<i>T.D.</i>	3367.0