

Well no : 6/ 3-01 Operator : STATOIL

Coordinates : 57 58 10.20 N UTM coord. : 6425966 N  
 01 55 30.38 E 436408 E

Licence no : 86 Permit no : 441

Rig : DEEPSEA BERGEN Rig type : SEMI-SUB.

Contractor : ODFJELL DRILLING AND CONSULTING COMPANY A/S

Bottom hole temperature : 108.9 deg.C Elev. KB : 23 M

Spud. date : 84.11.02 Water depth : 86 M

Compl. date : 85.02.01 Total depth : 3560 M

Spud. class : WILDCAT Form. at TD : TRIASSIC

Compl. class : P&A. OIL/GAS DISC. Prod. form : JURA/TRIAS

Seisloca : 511-115 SP. 160

## LICENSEES

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10.000000 AMERADA HESS NORGE A/S  
 30.000000 NORSKE CONOCO A/S  
 10.000000 NORSK HYDRO PRODUKSJON A.S  
 50.000000 DEN NORSKE STATS OLJESELSKAP A.S

## CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm <sup>3</sup>
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CONDUCTOR	30	170.0	36	172.0	
SURF. COND.	20	502.0	26	515.0	1.37
INTERM.	13 3/8	1600.0	17 1/2	1630.0	1.79
INTERM.	9 5/8	2889.0	12 1/4	2926.0	1.70
LINER	7	3099.0	8 1/2	3560.0	

## CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2967.0 - 2985.3	18.3	100.0	L/M JURASSIC
2	2986.0 - 2987.7	1.7	85.0	UPPER TRIASSIC
3	2988.0 - 3006.7	18.7	98.4	UPPER TRIASSIC
4	3007.0 - 3024.9	17.9	100.0	UPPER TRIASSIC
5	3025.0 - 3043.0	17.9	99.4	UPPER TRIASSIC
6	3043.0 - 3061.6	18.3	98.4	UPPER TRIASSIC
7	3061.6 - 3089.0	27.3	99.6	UPPER TRIASSIC
8	3089.0 - 3116.0	27.0	100.0	UPPER TRIASSIC

## MUD PROPERTIES

Depth below KB meter	Mud weighth g/cm3	Funnel viscosity s/qt	Mud type
137.000	1.04		WATER BASED
175.000	1.06	48.0	WATER BASED
520.000	1.09	42.0	WATER BASED
686.000	1.12	49.0	WATER BASED
928.000	1.14	51.0	WATER BASED
1225.000	1.15	51.0	WATER BASED
1456.000	1.14	61.0	WATER BASED
1630.000	1.15	62.0	WATER BASED
1700.000	1.20	61.0	WATER BASED
2156.000	1.18	46.0	WATER BASED
2555.000	1.20	48.0	WATER BASED
2630.000	1.21	52.0	WATER BASED
2757.000	1.20	46.0	WATER BASED
2926.000	1.35	45.0	WATER BASED
2968.000	1.45		WATER BASED
3066.000	1.35	60.0	WATER BASED
3116.500	1.40	57.0	WATER BASED
3560.000	1.38	53.0	WATER BASED

## DRILL STEM TEST

### INTERVALS AND PRESSURES

Test no	interval meter	Choke size	Pressure (PSI)		
			WHP	BTHP	FFP
1.0	3015.000 - 3023.000	25.4	849.7		
1.1	3015.000 - 3023.000	25.4	892.8	3677.1	
2.0	2978.000 - 2993.000	25.4	1809.6	5113.1	
3.0	2902.000 - 2921.000				

### RECOVERY

Test no.	Oil Sm <sup>3</sup> /d	Gas M Sm <sup>3</sup> /d	Oil grav. g/cm <sup>3</sup>	Gas grav. rel. air	GOR m <sup>3</sup> /m <sup>3</sup>
1.0	853	0.18	0.850	0.680	
1.1	909	0.17	0.850	0.680	135
2.0	387	0.85*	0.768	0.660	2196
3.0	NO RESPONSE FROM FORMATION				

\* - GAS/CONDENSATE

## DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	172 - 3560	560
Wet Samples	180 - 3560	480

## SHALLOW GAS

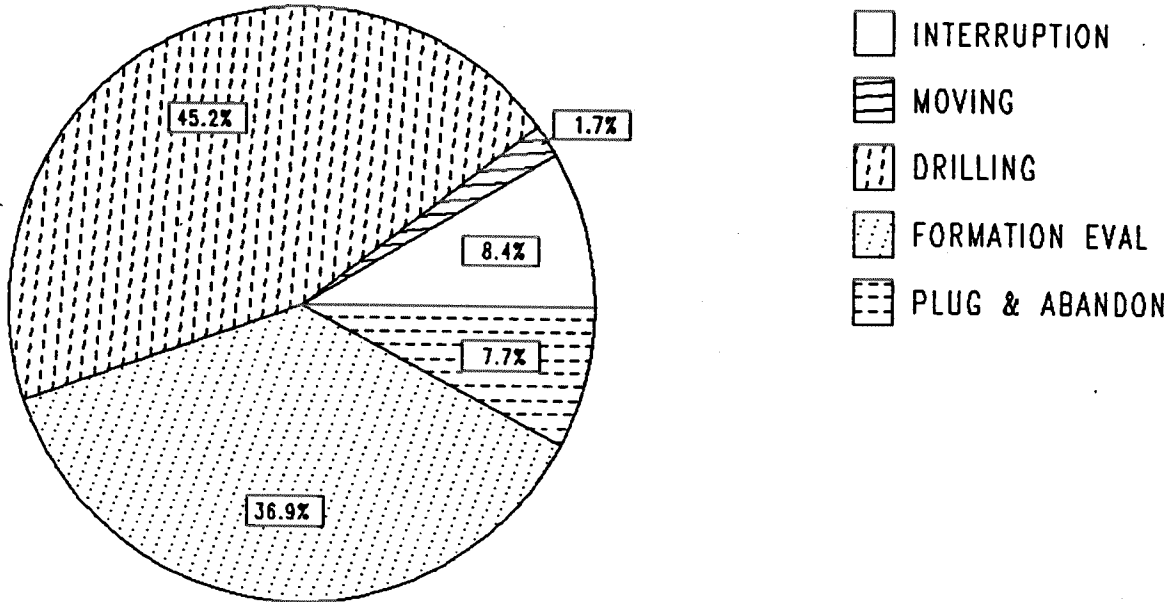
Interval below KB	REMARKS
	NONE

## AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
DIFL BHC AC GR	110 - 519	X	X
DIFL BHC AC	502 - 1627	X	X
DIFL BHC AC	1599 - 2925	X	X
DIFL BHC AC	2885 - 3042	X	X
DIFL BHC AC	2885 - 3116	X	X
DIFL BHC AC	3013 - 3559	X	X
CDL	502 - 1627	X	X
CDL CNL	1599 - 2926	X	X
CDL CNL	2885 - 3114	X	X
CDL CNL	2884 - 3558	X	X
DLL MLL	2600 - 2925	X	X
DLL MLL	2884 - 3116	X	X
CDM	2400 - 2926	X	
CDM	2885 - 3559	X	
CDM AP	2885 - 3559	X	X
SPECTRALOG	2885 - 3114	X	X
FMT	2670 - 2804		X
FMT	2966 - 3106		X
CBL VDL	110 - 1600	X	
CBL VDL	1001 - 2885	X	
CBL VDL	2700 - 3053	X	
DRILLING DATA PRESSURE	109 - 3560	1:5000	
MUD	109 - 3560		X
VELOCITY	110 - 3559		X
(+ Synthetic Seismogram, Marine, 10 cm/s,			1 stk)
(+ Synthetic Seismogram, Marine, 20 cm/s,			1 stk)
(+ Synthetic Seismogram, 10 + 20 cm/s,			8 stk)
(+ V.S.P., 10 + 20 cm/s,			18 stk)

# DAILY DRILLING REPORT SYSTEM

Main operation : 06/03-01



Total : 2232 HRS

Main operation	Minutes	Hours	% of total
INTERRUPTION	11311	188.52	8.45
MOVING	2340	39.00	1.75
DRILLING	60479	1007.98	45.16
FORMATION EVAL	49440	824.00	36.92
PLUG & ABANDON	10350	172.50	7.73

MAIN OPERATIONS WELL : 06/03-01

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
TRIP	10380	173.00	17.16
OTHER	480	8.00	0.79
DRILL	21810	363.50	36.06
SURVEY	1680	28.00	2.78
CIRC/COND	2850	47.50	4.71
CASING	12149	202.48	20.09
BOP/WELLHEAD EQ	6090	101.50	10.07
UNDERREAM	1140	19.00	1.88
BOP ACTIVITIES	2970	49.50	4.91
REAM	930	15.50	1.54
<b>TOTAL</b>	<b>60479</b>	<b>1007.98</b>	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	810	13.50	34.62
ANCHOR	1530	25.50	65.38
<b>TOTAL</b>	<b>2340</b>	<b>39.00</b>	

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	Hrs	% of total
LOG	9540	159.00	19.30
TRIP	11130	185.50	22.51
CIRC/COND	2070	34.50	4.19
CIRC SAMPLES	60	1.00	0.12
CORE	3840	64.00	7.77
OTHER	540	9.00	1.09
DST	21630	360.50	43.75
WAIT	630	10.50	1.27
<b>TOTAL</b>	<b>49440</b>	<b>824.00</b>	

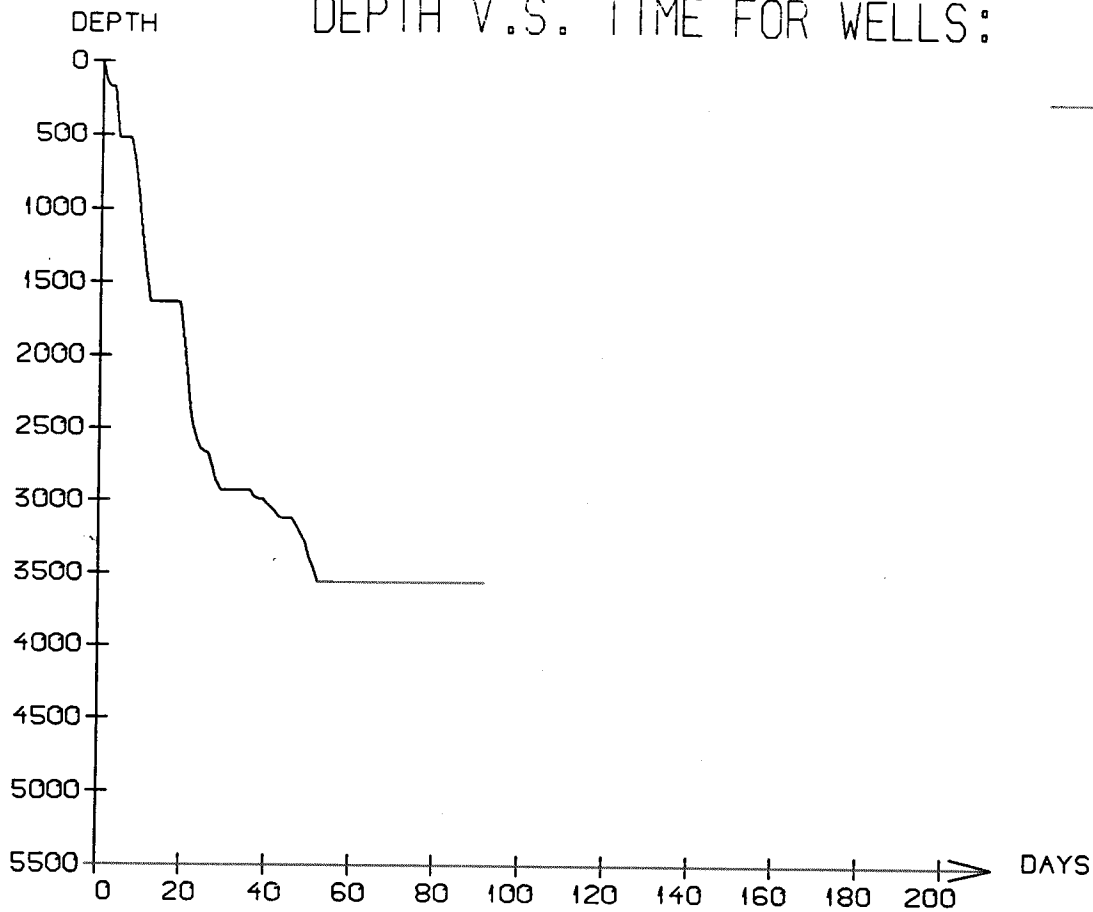
MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
WAIT	6630	110.50	58.62
MAINTAIN/REP	3300	55.00	29.18
OTHER	211	3.52	1.87
WELL CONTROL	1170	19.50	10.34
<b>TOTAL</b>	<b>11311</b>	<b>188.52</b>	

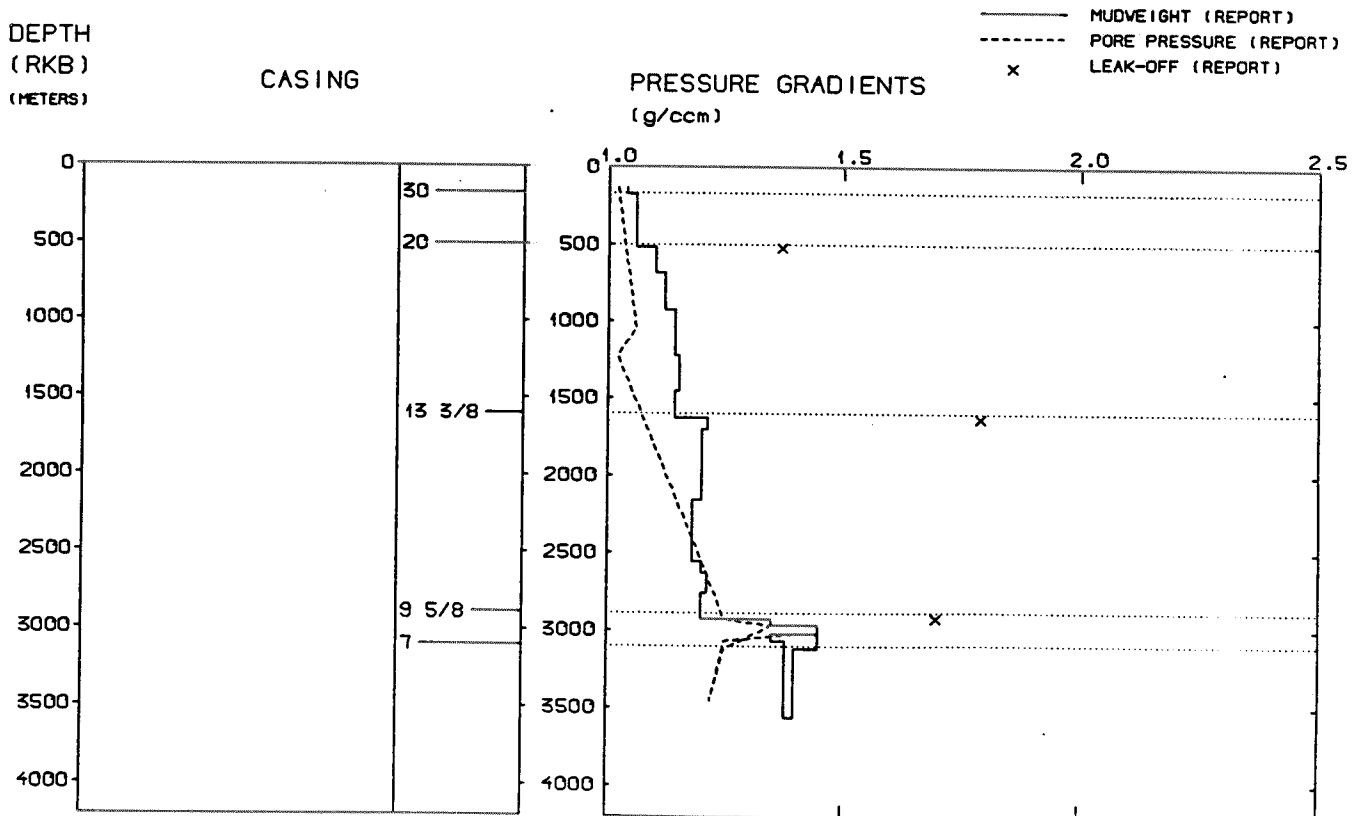
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
TRIP	3990	66.50	38.55
CIRC/COND	630	10.50	6.09
CEMENT/PLUG	1290	21.50	12.46
OTHER	240	4.00	2.32
MECHANICAL PLUG	510	8.50	4.93
PERFORATE	510	8.50	4.93
CUT	2130	35.50	20.58
EQUIP RECOVERY	1050	17.50	10.14
<b>TOTAL</b>	<b>10350</b>	<b>172.50</b>	

# DEPTH V.S. TIME FOR WELLS:



## WELL: 000603 01 PRESSURE COMPOSITE PLOT



# WELL HISTORY 6/3-1

## GENERAL:

Wildcat well 6/3-1 was drilled on the Pi-structure in the north-western part of the block. The well is situated less than 1 km from the UK-Norwegian median line, where the UK Drake Field, an oil/gas field in UK block 22/5, is discovered up close to the median line.

6/3-1 was designed to test possible hydrocarbon accumulations in different levels. The main objectives were Jurassic and Triassic sandstones. Secondary objectives were Paleocene sandstones (Heimdal Formation), and Upper Cretaceous porous/fractured chalk.

## OPERATIONS:

The well was spudded 2 November 1984 by the semi-submersible rig Deepsea Bergen.

Drilling of the well proceeded without significant problems. Top reservoir, oil and gas/condensate, in sandstones of Jurassic/Triassic age, came in at 2965 m. Oil/water contact was at 3037 m.

Secondary prospect Heimdal sand was not found, and although the logs indicated hydrocarbons in Upper Cretaceous, the test was negative.

Eight cores were cut in the well.

## TESTING:

Three Drill Stem Tests were performed.

The NPD consider the results from this well as very encouraging, although it is still too soon to say anything definite about the size of the discovery.



# GEOLOGICAL TOPS

WELL: 6/03-01

	Depth m (RKB)
<i>Nordland Group</i>	180,0
<i>Hordaland Group</i>	1320,0
<i>Rogaland Group</i>	2435,0
<i>Sele Fm</i>	2449,0
<i>Lista Fm</i>	2536,0
<i>Maur Fm</i>	2637,0
<i>Shetland Group</i>	2673,0
<i>Ekofisk Fm</i>	2673,0
<i>Tor Fm</i>	2679,0
<i>Hod Fm</i>	2844,0
<i>Cromer Knoll Group</i>	2922,0
<i>Late/Middle Jurassic</i>	2965,0
<i>Triassic Group</i>	2978,0
<i>Skagerak Fm</i>	2978,0
TD=	3560,0