

Well no : 6507/08-03

Operator : STATOIL

Coordinates : 65 27 34.61 N
07 38 29.29 E

UTM coord. : 7260540 N
437039 E

Licence no : 124

Permit no : 587

Rig : WEST DELTA

Rig type : SEMI-SUB.

Contractor : A/S SMEDVIG DRILLING CO.

Bottom hole temperature : 53 deg.C

Elev. KB : 29 M

Spud. date : 88.09.03

Water depth : 309 M

Compl. date : 88.09.20

Total depth : 2075 M

Spud. class : WILDCAT

Form. at TD : TRIASSIC

Compl. class : P&A. DRY HOLE

Prod. form :

Seisloca : ST 8102 - 806 SP 770

LICENSEES

10.000000	ARCO NORGE A/S
15.000000	NORSKE CONOCO A/S
5.000000	DET NORSKE OLJESELSKAP A/S
10.000000	NORSK HYDRO PRODUKSJON A.S
50.000000	DEN NORSKE STATS OLJESELSKAP A.S
10.000000	TENNECO OIL NORWAY A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
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CONDUCTOR	30	399.0	36	567.0	.
SURF.COND.	20	552.0	26	722.0	1.25
INTERM.	13 3/8	1086.0	17 1/2	1100.0	1.83

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
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1	1378.8 - 1380.5	1.8	100.0	LOWER JURASSIC
2	1395.0 - 1406.8	11.8	100.0	

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm3	Viscosity	Mud type
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557.000	1.15	7.0	WATER BASED
1100.000	1.16	9.0	WATER BASED
1100.000	1.15	9.0	WATER BASED
1300.000	1.20	10.0	WATER BASED
1300.000	1.21	14.0	WATER BASED

1300.000	1.20	15.0	WATER BASED
1300.000	1.21	20.0	WATER BASED
1300.000	1.21	17.0	WATER BASED
2075.000	1.20	17.0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	560-2075	180
Wet Samples	560-2075	120

SHALLOW GAS

Interval below KB	REMARKS

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
DIFL LS BHC AC GR	325.000 - 945.000			X
DIFL LS BHC AC GR	553.000 - 927.000	X	X	
DIFL BHC AC GR	1085.000 - 2074.000	X	X	
CDL CNL GR	553.000 - 927.000			X
CDL GR	553.000 - 927.000	X	X	
CDL CNL GR	1085.000 - 2071.000	X	X	
MWD	397.000 - 2075.000	1:5000	X	
CDM	1085.000 - 2073.000	X		
CDM AP	1085.000 - 2073.000	X	X	
STRATDIP	1085.000 - 2073.000	1:40		
FMT	1361.000 - 1395.000	X	X	
DRILL DATA PRESSURE	338.000 - 2075.000	1:5000		
AC CBL VDL GR	338.000 - 1085.000	X		
MUD	338.000 - 2075.000			X
VELOCITY	550.000 - 2067.000	1:1000	X	
(Synthetic Seismogram, 10 + 30cm/s				4 stk)
(V.S.P., Zero Offset VSP, 10cm/s				3 stk)
(V.S.P., Deconvolved Upwave, 10 + 30cm/s				4 stk)
(V.S.P., Interpreters Composite, 10 + 30 cm/s				2 stk)
(Two-way travel time 10cm/s, 30cm/s				2 stk)

MAIN OPERATIONS FOR WELL: 650708 03

Main operation: DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	150	2,5	0,96
BOP/WELLHEAD EQ	1530	25,5	9,79
CASING	2640	44,0	16,89
CIRC/COND	690	11,5	4,41
DRILL	7230	120,5	46,26
REAM	60	1,0	0,38
SURVEY	30	0,5	0,19
TRIP	3300	55,0	21,11
Total	15630	260,5	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC/COND	180	3,0	3,80
CORE	540	9,0	11,39
LOG	3240	54,0	68,35
TRIP	780	13,0	16,46
Total	4740	79,0	100,00

Main operation: INTERRUPTION

Sub operations	Minutes	Hrs	% of total
MAINTAIN/REP	240	4,0	100,00
Total	240	4,0	100,00

Main operation: MOVING

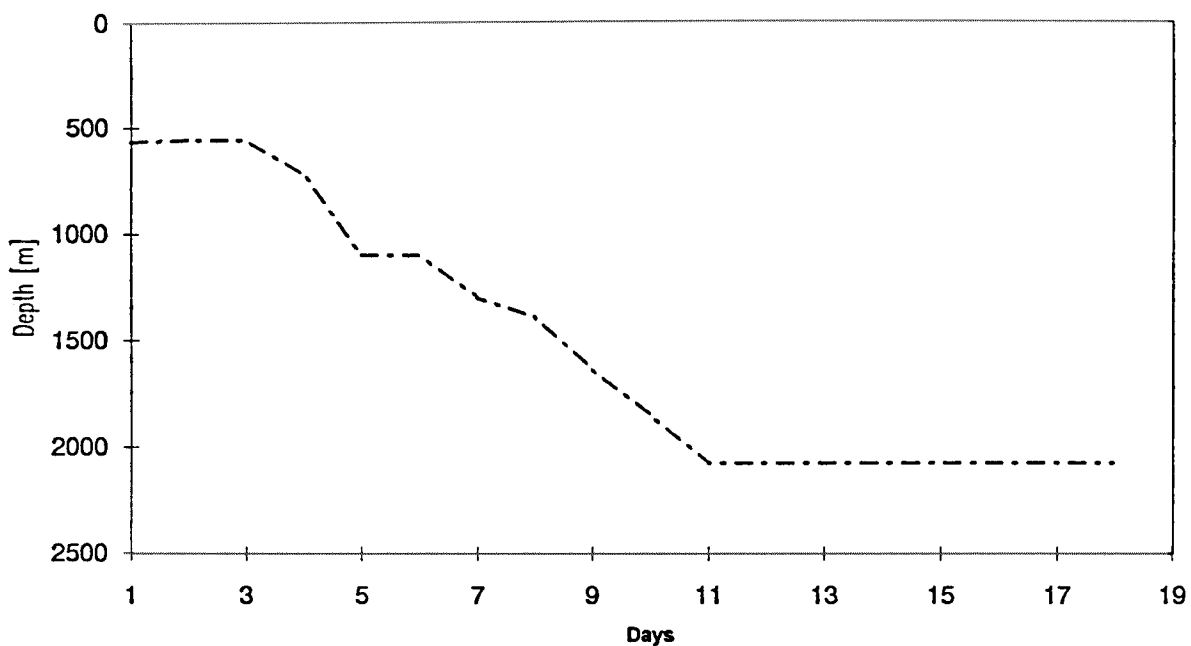
Sub operations	Minutes	Hrs	% of total
ANCHOR	3030	50,5	68,24
TRANSIT	1410	23,5	31,76
Total	4440	74,0	100,00

Main operation: PLUG & ABANDON

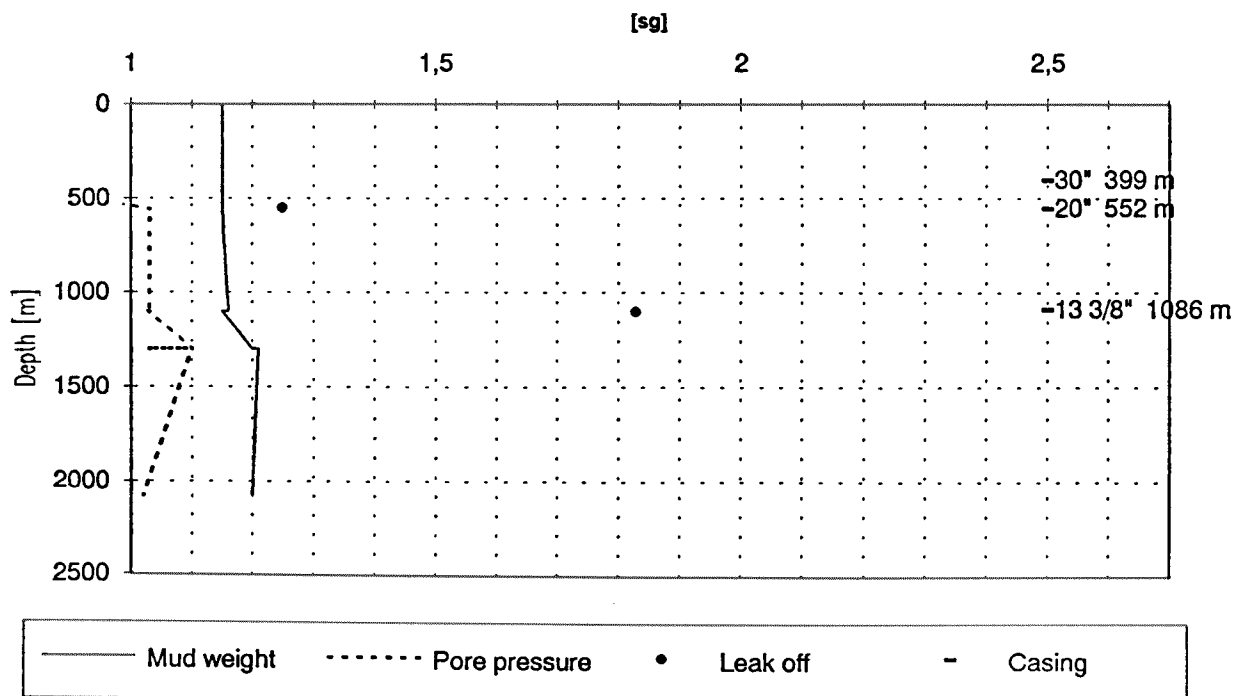
Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	750	12,5	14,45
CIRC/COND	300	5,0	5,78
CUT	240	4,0	4,62
EQUIP RECOVERY	960	16,0	18,50
MECHANICAL PLUG	390	6,5	7,51
TRIP	1530	25,5	29,48
WAIT	1020	17,0	19,65
Total	5190	86,5	100,00

Total time used 504 hrs (21 days)

Depth v.s. time plot for well: 650708 03



Composite plot for well: 650708 03



Well History 6507/8-3

GENERAL:

Well 6507/8-3 was the third in the block where the drilling obligation was 4(-1). The hole was drilled on the alpha-structure in the north-eastern part of the block. The alpha-prospect is a rotated fault block dipping towards south and west. Jurassic and parts of Triassic is probably eroded.

The primary objective of the well was to test the hydrocarbon bearing potential of the clearly defined and previously undrilled alpha structure. The secondary objective was to verify geological model and structural interpretation, to drill the third commitment well in the block, to improve the paleontological, geological and geochemical understanding of the area.

The well was planned to be terminated in the Triassic sediments.

OPERATIONS:

Wildcat well 6507/8-3 was spudded 3 September 1988 by Smedvig Drilling semi-submersible rig West Delta and completed 20 September 1988 at a depth of 2075 m in Triassic rocks. There was no shallow gas.

The whole operation went very fast and without problems of any kind. T.D. was reached in 11 days. For all practical reasons the hole must be considered dry, even though a small amount of gas was indicated in the top Tilje Formation.

2 cores were cut in the well. Core 1 was cut between 1367 - 1380 m and core 2 in the interval 1396 - 1408 m.

Top reservoir was encountered at 1358 m, and the gas/water contact was at 1362 m. RFT testing showed dry gas, only containing C₁.

The well was plugged and abandoned as dry.

TESTING:

No DST tests were performed in the well.

GEOLOGICAL TOPS

WELL: 6507/8-3

Depth m (RKB)

<i>Nordland Group</i>	<i>338.0</i>
<i>Naust Fm.</i>	<i>338.0</i>
<i>Kai Fm.</i>	<i>1245.0</i>
<i>Rogaland Group</i>	<i>1334.0</i>
<i>Tare Fm.</i>	<i>1334.0</i>
<i>Viking Group</i>	<i>1353.0</i>
<i>Melke Fm.</i>	<i>1353.0</i>
<i>Fangst Group</i>	<i>1358.0</i>
<i>Garn Fm.</i>	<i>1358.0</i>
<i>Not Fm.</i>	<i>1379.0</i>
<i>Ile Fm.</i>	<i>1386.0</i>
<i>Båt Group</i>	<i>1402.0</i>
<i>Ror Fm.</i>	<i>1402.0</i>
<i>Tilje Fm.</i>	<i>1446.0</i>
<i>Åre Fm.</i>	<i>1542.0</i>
<i>T.D.</i>	<i>2075.0</i>