

Well no :	25/3-1	Operator :	ELF
Coordinates :	59° 55' 52.99" N 02° 46' 21.34" E	UTM coord. :	664394688 N 48728897 E
Licence no :	151	Permit no :	613
Rig :	WEST VANGUARD	Rig type :	SEMI-SUB.
Contractor :	A/S SMEDVIG DRILLING CO.		
Bottom hole temp:	125 °C	Elev. KB :	22 M
Spud. date :	89.07.05	Water depth :	136 M
Compl. date :	89.09.05	Total depth :	3922 M
Spud. class :	WILDCAT	Form. at TD	E.JURASSIC
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	LINJE EL 8808-115, SP 210		

LICENSEES

30,000000	NORSKE FINA A/S
10,000000	SAGA PETROLEUM A.S.
50,000000	DEN NORSKE STATS OLJESELSKAP A.S
10,000000	ENTERPRISE OIL NORWEGIAN A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	197,0	36	198,0	
INTERM.	20	703,0	26	720,0	1,33
INTERM.	13 3/8	1983,0	17 1/2	1998,0	1,66
INTERM.	9 5/8	2991,0	12 1/4	3005,0	1,93
OPEN HOLE			8 1/2	3922,0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery	
		M	%
1	3112,0	- 3129,8	17,8 100,0
2	3858,0	- 3873,8	13,9 88,0

MUD

Depth	Mud weight	Visc.	Mud type
909,000	1,09	16,0	WATER BASED
1243,000	1,13	19,0	WATER BASED
1840,000	1,20	22,0	WATER BASED
1858,000	1,21	26,0	WATER BASED
1998,000	1,20	22,0	WATER BASED
3395,000	1,25	28,0	WATER BASED
3429,000	1,30	31,0	WATER BASED
3456,000	1,26	30,0	WATER BASED
3569,000	1,30	31,0	WATER BASED

Depth	Mud weight	Visc.	Mud type
3858,000	1,35	34,0	WATER BASED
3871,000	1,45	37,0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

Sample type	Interval below KB	Number of samples
WET SAMPLES	200 - 3922	450
CUTTING	200 - 3922	120

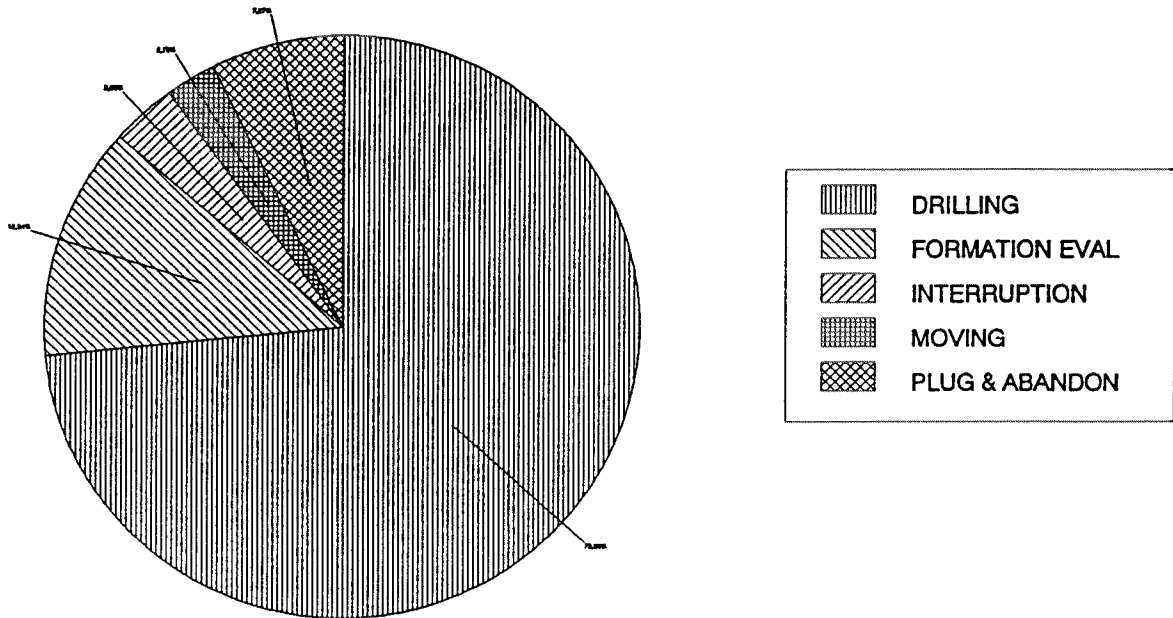
SHALLOW GAS

Interval below KB	Remarks
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AVAILABLE LOGS

Log type	Intervals	1/200	1/500	Div.
CBL VDL GR CCL	1369,0 - 1984,0	X		
CBL VDL GR	1750,0 - 2990,0	X		
CDM AP / SHDT	1998,0 - 2970,0	X	X	
CDM AP / SHDT	2997,0 - 3918,0	X	X	
SHDT GR AMS	1984,0 - 2993,0	X		
DIL-DDBHC GR AMS SP	703,0 - 1997,8	X	X	
DIL DDBHC GR AMS SP	1984,0 - 2994,5	X	X	
DIL GR SLS MSFL AMS	2993,0 - 3921,0	X	X	
FMS GR	2993,0 - 3922,0	X		
LDL GR AMS	703,0 - 1997,8	X	X	
LDL GR AMS	1984,0 - 2994,5	X	X	
LDL CNL NGS AMS	2993,0 - 3922,0	X	X	
MWD	199,0 - 3922,0	X	X	
NGT RATIOS	2993,0 - 3922,0	X		
MUD	136,0 - 3922,0		X	
VELOCITY LOG	707,0 - 3921,0		X	1:1000
SYNTHETIC SEISMOGRAM	10 cm/s			3
TWO WAY TRAVEL TIME	10 cm/s			1
V.S.P	10 cm/s			1

Daily Drilling Report System (DDRS)
Operations for well: 25/3-1



Main operations	Minutes	Hours	% of total
DRILLING	66990	1116,50	73,50
FORMATION EVAL	11790	196,50	12,94
INTERRUPTION	3240	54,00	3,55
MOVING	2490	41,50	2,73
PLUG & ABANDON	6630	110,50	7,27
Total	91140	1519,00	100,00

Operations for well: 25/3-1**Main operation: DRILLING**

Sub operations	Minutes	Hours	% of total
BOP ACTIVITIES	2280	38,00	3,40
BOP/WELLHEAD EQ	900	15,00	1,34
CASING	8970	149,50	13,39
CIRC/COND	1980	33,00	2,96
DRILL	39540	659,00	59,02
HOLE OPEN	1080	18,00	1,61
OTHER	300	5,00	0,45
REAM	990	16,50	1,48
SURVEY	90	1,50	0,13
TRIP	10770	179,50	16,08
WAIT	90	1,50	0,13
Total	66990	1116,50	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hours	% of total
CIRC SAMPLES	330	5,50	2,80
CIRC/COND	1050	17,50	8,91
CORE	1080	18,00	9,16
LOG	3750	62,50	31,81
RFT/FIT	960	16,00	8,14
TRIP	4620	77,00	39,19
Total	11790	196,50	100,00

Main operation: INTERRUPTION

Sub operations	Minutes	Hours	% of total
FISH	1080	18,00	33,33
MAINTAIN/REP	1500	25,00	46,30
OTHER	390	6,50	12,04
WELL CONTROL	270	4,50	8,33
Total	3240	54,00	100,00

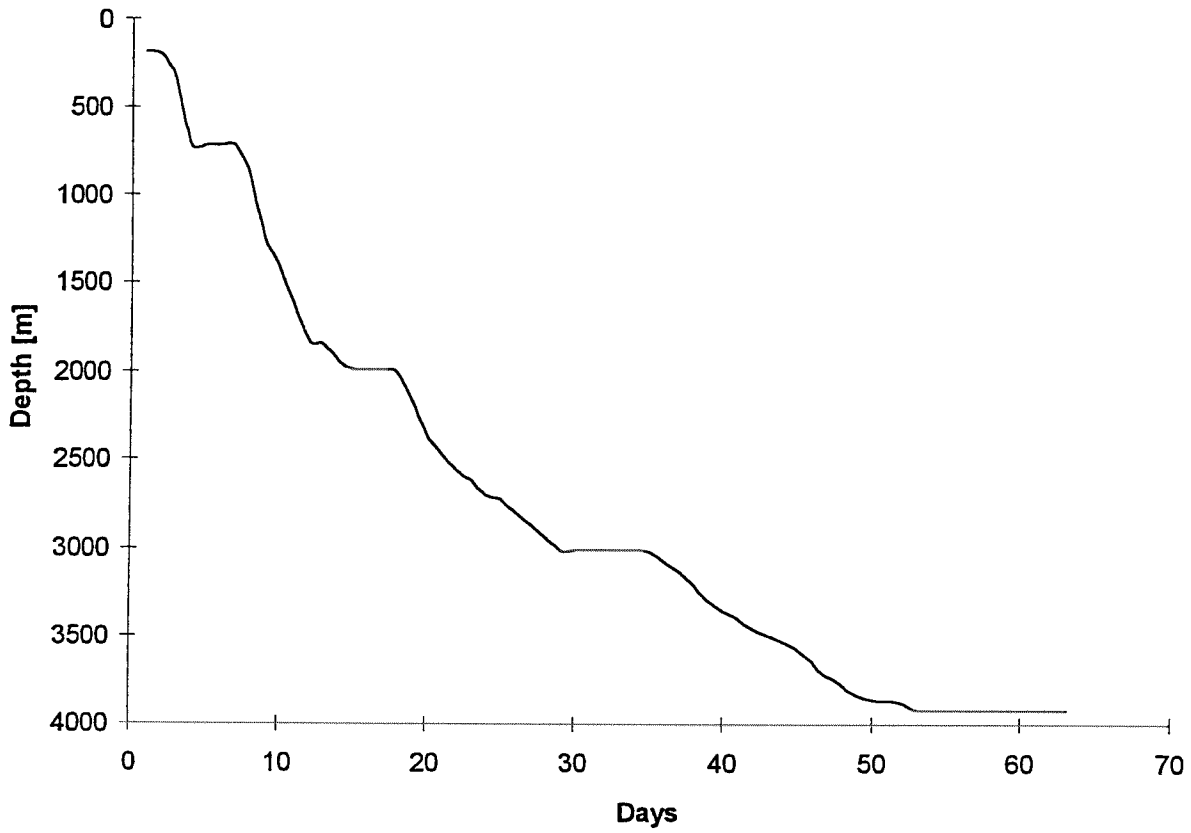
Main operation: MOVING

Sub operations	Minutes	Hours	% of total
ANCHOR	1260	21,00	50,60
POSITION	30	0,50	1,20
TRANSIT	1200	20,00	48,19
Total	2490	41,50	100,00

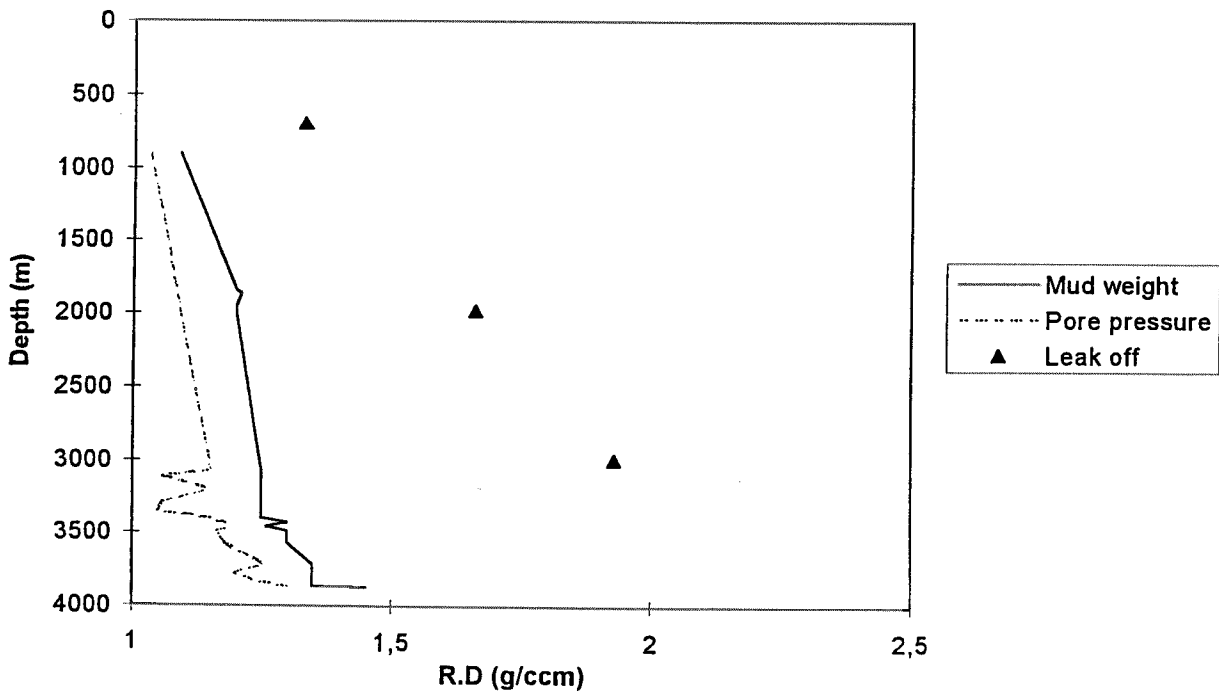
Main operation: PLUG & ABANDON

Sub operations	Minutes	Hours	% of total
CEMENT PLUG	1350	22,50	20,36
CIRC/COND	240	4,00	3,62
CUT	330	5,50	4,98
EQUIP RECOVERY	1650	27,50	24,89
MECHANICAL PLUG	240	4,00	3,62
OTHER	30	0,50	0,45
PERFORATE	330	5,50	4,98
TRIP	2460	41,00	37,10
Total	6630	110,50	100,00

Depth vs time for well: 25/3-1



Composite plot for well: 25/3-1



Well History 25/3-1.

General:

Well 25/3-1 was designed to drill a narrow horst structure to the block located in the north of Utsira High, straddling the Stord Basin to the south-east and the eastern flank of the Viking Graben to the west. The well was the first commitment well in the license, and the main objective for the well was to test the hydrocarbon potential of the Middle Jurassic Brent Gr sandstones, and the Lower Jurassic Statfjord Fm sandstones in the NNW-SSE trending horst. The site survey indicated two high amplitude events at two different levels west (135 m msl) and northwest (180 m msl) of the proposed well location that could indicate shallow gas.

Operations:

Wildcat well 25/3-1 was spudded by the semi-submersible rig West Vanguard 4 July 1989, and completed 5 September 1989 at a depth of 3927 m RKB in the Statfjord Fm. To assure safe operation, the interval (198 to 720 m RKB) was drilled as a 17 1/2 " pilot hole before opening to 26" hole. Drilling went on without any serious problems. No shallow gas was encountered. The Brent Group reservoir was reached 65 m deeper than expected. The reservoir was thinner than expected, and of relatively bad quality and waterbearing. The Statfjord Fm was reached 128 m deeper than expected, and also waterbearing. Two cores were cut. Core no 1 was cut from 3112 to 3130 m RKB in the Brent Group, and no 2 from 3858 to 3876 m RKB in the Statfjord Fm. The well was plugged and abandoned as a dry well.

Testing:

No DST tests were performed in this well.

Geological Tops.

Well: 25/3-1.

	Depth m (RKB).
Nordland Group	136.0
Utsira Fm	460.0
Hordaland Group	1036.0
Frigg Fm	2127.0
Rogaland Group	2159.0
Balder Fm	2159.0
Sele Fm	2253.0
Lista Fm	2316.0
Våle Fm	2441.0
Shetland Group	2470.0
Ekofisk Fm Eqv.	2470.0
Hardråde Fm	2506.0
Kyrre Fm	2729.0
Blodøks Fm	2783.0
Svarte Fm	2798.0
Cromer Knoll Group	2815.0
Rødby Fm	2815.0
Sola Fm	2824.0
Åsgard Fm	2836.0
Viking Group	3016.0
Draupne Fm	3016.0
Heather Fm	3043.0
Brent Group	3107.0
Dunlin Group	3334.0
Triassic Group	3860.0
Statfjord Fm	3860.0
T.D.(LD)	3927.0