

Well no :	33/12-7	Operator :	STATOIL
Coordinates :	61° 07' 35.72" N 01° 54' 32.50" E	UTM coord. :	677753847 N 44122776 E
Licence no :	152	Permit no :	601
Rig :	DEEPSEA BERGEN	Rig type :	SEMI-SUB.
Contractor :	ODFJELL DRILLING A/S		
Bottom hole temp:	123 °C	Elev. KB :	23 M
Spud. date :	89.02.22	Water depth :	140 M
Compl. date :	89.04.27	Total depth :	3703 M
Spud. class :	WILDCAT	Form. at TD	E.JURASSIC
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	NOD-8-87-012 , SKUDDPUNKT 170		

LICENSEES

20,000000	ELF PETROLEUM NORGE A/S.
10,000000	ESSO EXPL. & PROD. NORWAY A/S
12,000000	NORSK HYDRO PRODUKSJON A.S
50,000000	DEN NORSKE STATS OLJESELSKAP A.S
8,000000	DNO OLJE 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	222,0	36	225,0	
INTERM.	20	363,0	26	384,0	1,43
INTERM.	13 3/8	1610,0	17 1/2	1625,0	1,76
INTERM.	9 5/8	3017,0	12 1/4	3034,0	1,85
o.H.			8 1/2	3703,0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery	
		M	%
1	3035,0 - 3051,0	16,6	110,7

MUD

Depth	Mud weight	Visc.	Mud type
207,500	1,05		WATER BASED
384,000	1,10	10,0	WATER BASED
1218,000	1,20	16,0	WATER BASED
1625,000	1,12	17,0	WATER BASED
1625,000	1,13	12,0	WATER BASED
1625,000	1,20	16,0	WATER BASED
2904,000	1,27	13,0	WATER BASED
2917,000	1,28	15,0	WATER BASED
3034,000	1,52	17,0	WATER BASED
3034,000	1,55	18,0	WATER BASED

Depth	Mud weight	Visc.	Mud type
3034,000	1,52	16,0	WATER BASED
3034,000	1,55	16,0	WATER BASED
3703,000	1,47	34,0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

Sample type	Interval below KB	Number of samples
WET SAMPLES	390 - 3703	330
CUTTING	380 - 3703	360

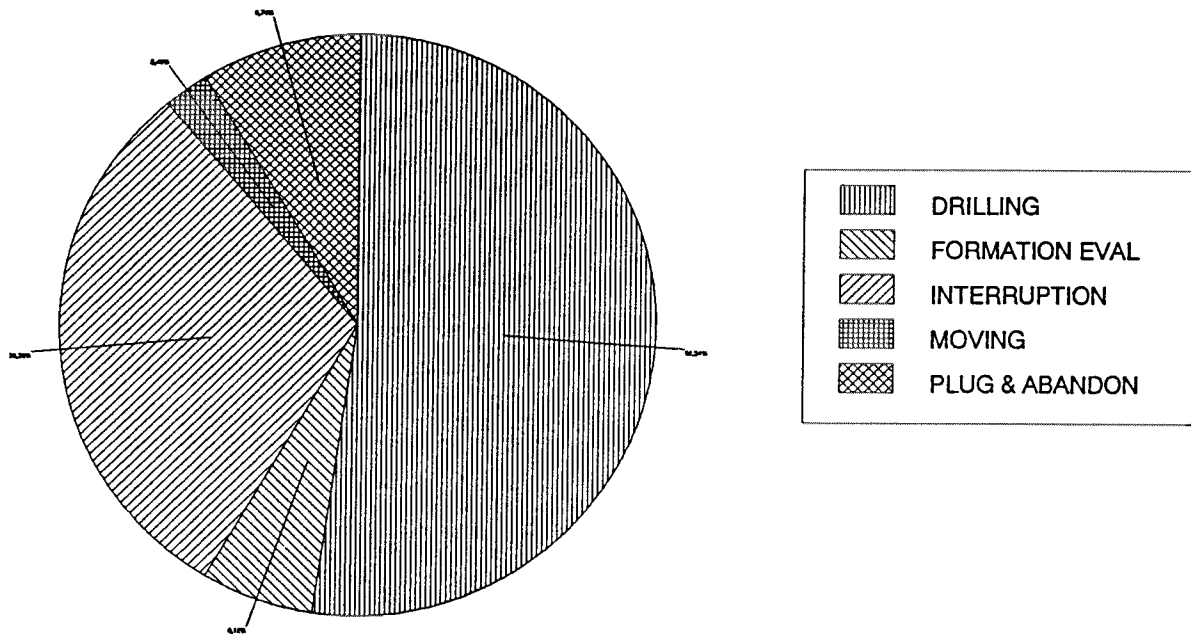
SHALLOW GAS

Interval below KB	Remarks
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AVAILABLE LOGS

Log type	Intervals	1/200	1/500	Div.
AC CBL VDL GR	160,0 - 1610,0	X		
AC CBL VDL GR	1400,0 - 3018,0	X		
CDL GR	364,0 - 1600,0	X	X	
CDL GR	1610,0 - 3037,0	X	X	
CDL CNL GR	3018,0 - 3702,0	X	X	
DIFL LS BHC AC GR	364,0 - 1600,0	X	X	
DIFL LS BHC AC GR	1610,0 - 3037,0	X	X	
DIFL MLL BHC AC GR	3018,0 - 3688,0	X	X	
FMT HP CRYSTAL GAUGE	3041,0 - 3388,0	X	X	
MUD	383,0 - 3703,0		X	
MWD	222,0 - 3698,0		X	
VELOCITY LOG	380,0 - 3710,0		X	1:1000
PRESS. EVALUATION	163,0 - 3703,0			1:1000
SYNTHETIC SEISMOGRAM	10 cm/s			2
VSP	10 cm/s			9
TWO WAY TRAVEL TIME	10 cm/s			1

Daily Drilling Report System (DDRS)
 Operations for well: 33/12-7



Main operations	Minutes	Hours	% of total
DRILLING	49740	829,00	52,34
FORMATION EVAL	5820	97,00	6,12
INTERRUPTION	28800	480,00	30,30
MOVING	2370	39,50	2,49
PLUG & ABANDON	8310	138,50	8,74
Total	95040	1584,00	100,00

Operations for well: 33/12-7**Main operation: DRILLING**

Sub operations	Minutes	Hours	% of total
BOP ACTIVITIES	1080	18,00	2,17
BOP/WELLHEAD EQ	3480	58,00	7,00
CASING	8700	145,00	17,49
CIRC/COND	1410	23,50	2,83
DRILL	25200	420,00	50,66
OTHER	30	0,50	0,06
PRESS DETECTION	180	3,00	0,36
REAM	570	9,50	1,15
TRIP	9090	151,50	18,28
Total	49740	829,00	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hours	% of total
CIRC/COND	210	3,50	3,61
CORE	300	5,00	5,15
LOG	3810	63,50	65,46
TRIP	1500	25,00	25,77
Total	5820	97,00	100,00

Main operation: INTERRUPTION

Sub operations	Minutes	Hours	% of total
FISH	3960	66,00	13,75
MAINTAIN/REP	20460	341,00	71,04
OTHER	210	3,50	0,73
WAIT	4170	69,50	14,48
Total	28800	480,00	100,00

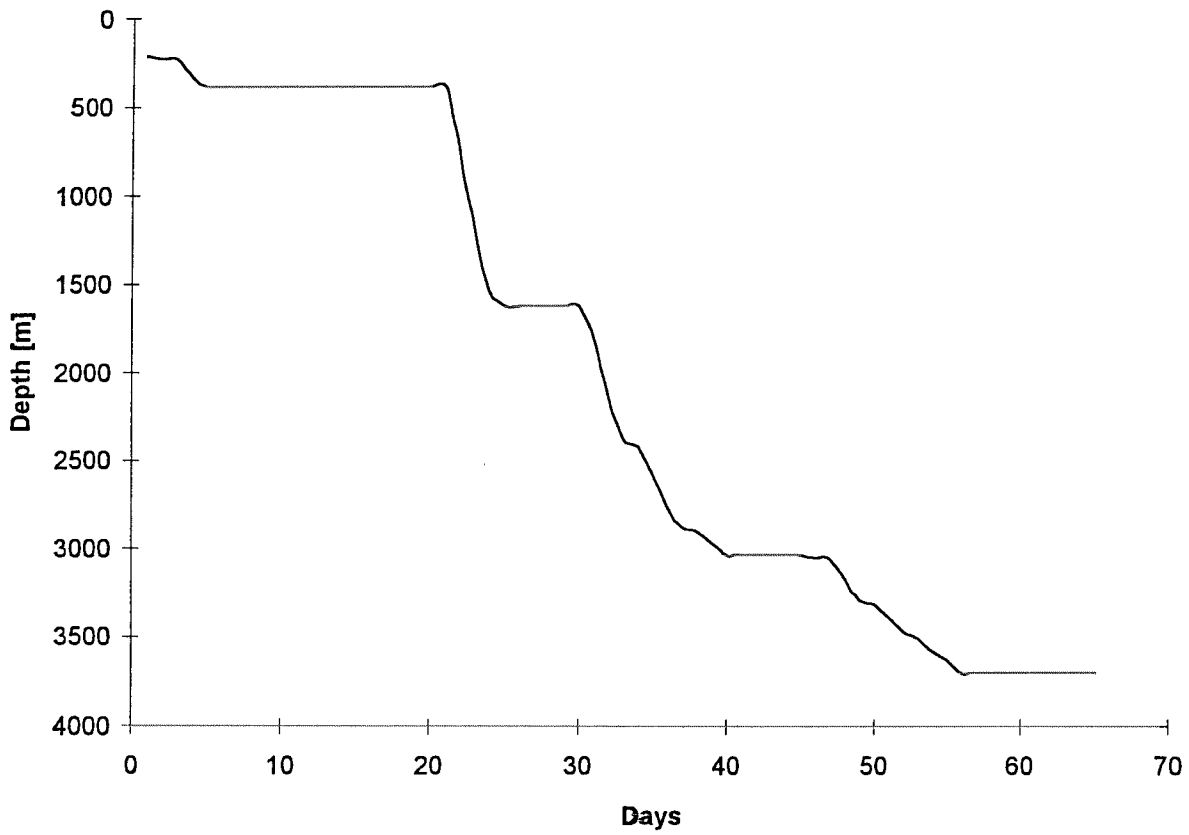
Main operation: MOVING

Sub operations	Minutes	Hours	% of total
ANCHOR	1320	22,00	55,70
TRANSIT	1050	17,50	44,30
Total	2370	39,50	100,00

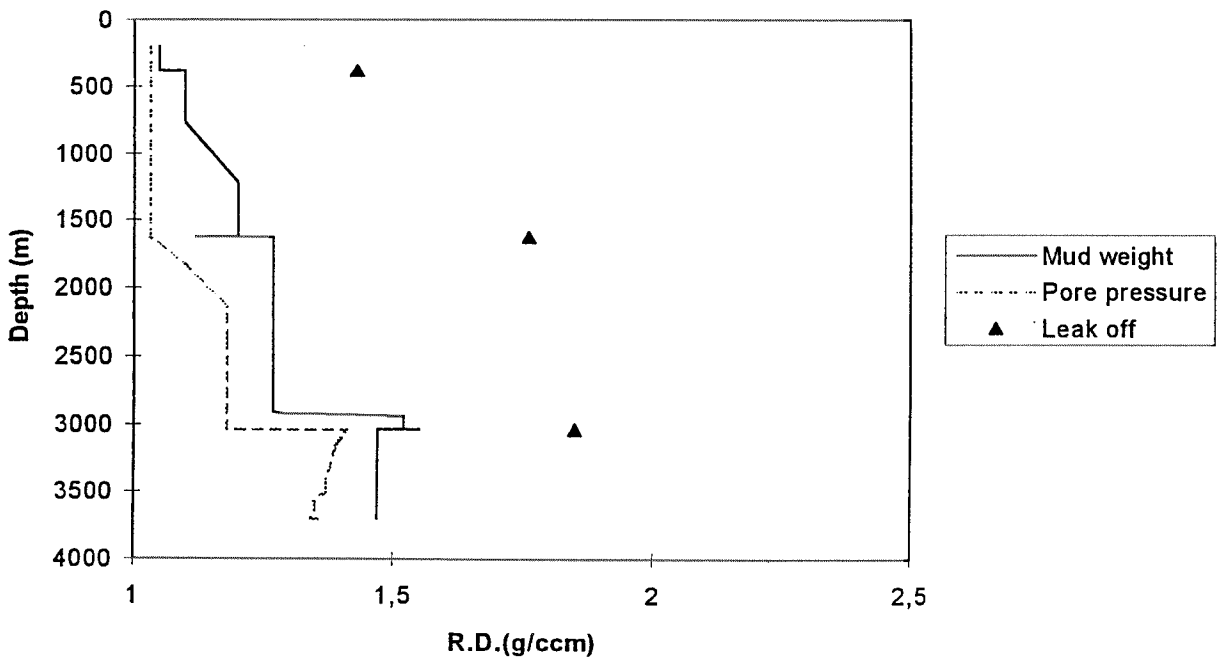
Main operation: PLUG & ABANDON

Sub operations	Minutes	Hours	% of total
CEMENT PLUG	930	15,50	11,19
CIRC/COND	630	10,50	7,58
CUT	240	4,00	2,89
EQUIP RECOVERY	2250	37,50	27,08
MECHANICAL PLUG	270	4,50	3,25
OTHER	450	7,50	5,42
TRIP	3540	59,00	42,60
Total	8310	138,50	100,00

Depth vs time for well: 33/12-7



Composite plot for well: 33/12-7



Well History 33/12-7.

General:

Well 33/12-7 was designed to drill the Delta structure, a tilted fault block at the Tampen Spur, and was the and only commitment well in licence 152. The primary objective was to test the hydrocarbon potential of the Brent group on the Delta structure. A secondary objective was to explore the Statfjord formation on the same structure. The well was designed to be a possible producer in case of a discovery. Shallow gas was predicted in two layers at: 375 m msl and 415 m msl. On an erosional surface at 456 m msl at the planned location, sand lenses with shallow gas could not be excluded.

Operations:

Wildcat well 33/12-7 was spudded 22 February 1989 by Odfjell Drilling semi-submersibel rig Deepsea Bergen, and completed 27 April 1989 at a depth of 3703 m RKB in the Statfjord Formation. Drilling went on without any serious problems. One core was cut in the interval 3041 m to 3057,5 m RKB. No shallow gas was encountered in the well. No shows of hydrocarbons, except for some residuals in the Cook Formation. Well 33/12-7 is permanently plugged and abandoned as a dry well.

Testing:

No DST tests were performed i this well.

Geological Tops.

Well: 33/12-7.

	Depth m (RKB).
Nordland Group	163.0
Utsira Fm	861.0
Hordaland Group	947.0
Rogaland Group	1784.0
Balder Fm	1784.0
Sele Fm	1861.0
Maureen Fm	2007.0
Shetland Group	2027.0
Cromer Knoll Group	2920.0
Viking Group	2927.0
Draupne Fm	2927.0
Heather Fm	2976.0
Brent Group	3022.0
Tarbert Fm	3022.0
Ness Fm	3093.0
Etive Fm	3235.0
Rannoch Fm	3248.0
Broom Fm	3296.0
Dunlin Group	3306.0
Drake Fm	3306.0
Cook Fm	3387.0
Amundsen Fm	3530.0
Statjord Fm	3660.0
T.D.	3703.0