

Well no :	16/3-3	Operator :	ESSO
Coordinates :	58° 49' 44.79" N 02° 58' 21.84" E	UTM coord.	652117368 N 49842563 E
Licence no :	149	Permit no :	612
Rig :	VILDKAT EXPLORER	Rig type :	SEMI-SUB.
Contractor :	TRANSNOR RIG AS		
Bottom hole temp:	61 °C	Elev. KB :	25 M
Spud. date :	89.07.24	Water depth :	117 M
Compl. date :	89.08.06	Total depth :	1566 M
Spud. class :	WILDCAT	Form. at TD	CRETACEOUS
Compl. class :	P&A. DRY HOLE	Prod.form. :	
Seisloca :	ES 89 - 111 SP. 185		

LICENSEES

10,000000	AMOCO NORWAY A/S
50,000000	DEN NORSKE STATS OLJESELSKAP A.S
15,000000	TOTAL NORGE A.S
25,000000	AMERADA HESS NORGE A/S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm ³
CONDUCTOR	30	181,0	36	181,0	
INTERM.	13 3/8	441,0	17 1/2	455,0	1,77
INTERM.	9 5/8	1003,0	12 1/4	1010,0	1,77
OPEN HOLE			8 1/2	1566,0	

MUD

Depth	Mud weight	Visc.	Mud type
181,000	1,03	1,0	WATER BASED
315,000	1,15	13,0	WATER BASED
455,000	1,03	1,0	WATER BASED
509,000	1,12	16,0	WATER BASED
887,000	1,16	23,0	WATER BASED
1010,000	1,15	11,0	WATER BASED
1566,000	1,16	20,0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

Sample type	Interval below KB	Number of samples
WET SAMPLES	460 - 1566	120
CUTTING	710 - 1566	120

SHALLOW GAS

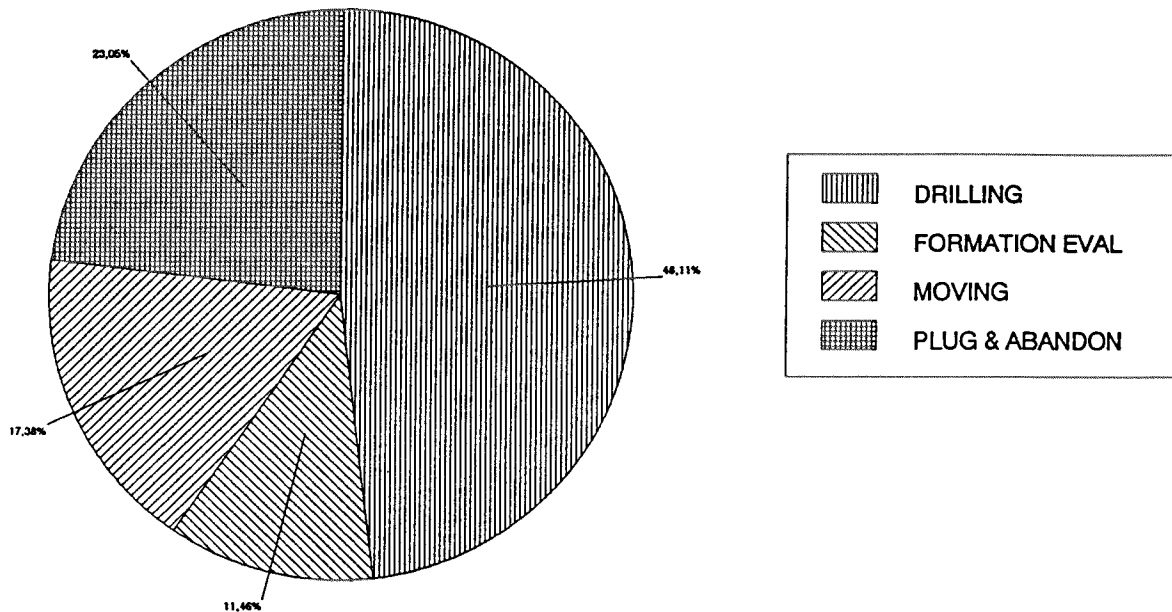
Interval Remarks
below KB

AVAILABLE LOGS

Log type	Intervals		1/200	1/500	Div.
CBL VDL GR	342,0	- 779,0	X		
DIL LSS MSFL GR	439,0	- 1008,0	X	X	
DIL LSS MSFL GR	1002,0	- 1563,0	X	X	
LDL CNL NGL	1002,0	- 1564,0	X	X	
MUD LOG	455,0	- 1566,0			1:2500
MWD	190,0	- 1010,0			
NGS	1002,0	- 1555,0	X		
VELOCITY LOG	439,0	- 1563,0		X	

Daily Drilling Report System (DDRS)

Operations for well: 16/3-3



Main operations	Minutes	Hours	% of total
DRILLING	11085	184,75	48,11
FORMATION EVAL	2640	44,00	11,46
MOVING	4005	66,75	17,38
PLUG & ABANDON	5310	88,50	23,05
Total	23040	384,00	100,00

Operations for well: 16/3-3**Main operation: DRILLING**

Sub operations	Minutes	Hours	% of total
BOP/WELLHEAD EQ	1290	21,50	11,64
CASING	2985	49,75	26,93
DRILL	4605	76,75	41,54
SURVEY	390	6,50	3,52
TRIP	1815	30,25	16,37
Total	11085	184,75	100,00

Main operation: FORMATION EVAL

Sub operations	Minutes	Hours	% of total
CIRC SAMPLES	30	0,50	1,14
CIRC/COND	525	8,75	19,89
LOG	1425	23,75	53,98
TRIP	660	11,00	25,00
Total	2640	44,00	100,00

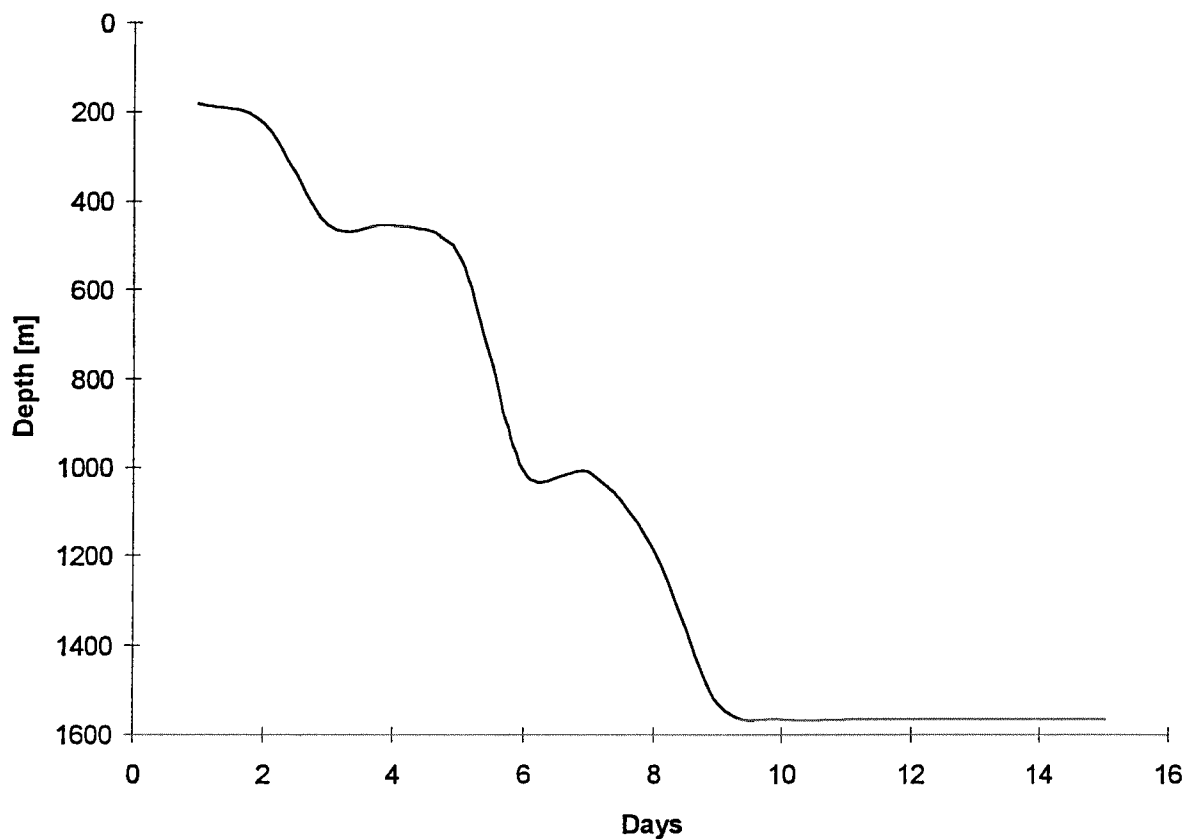
Main operation: MOVING

Sub operations	Minutes	Hours	% of total
ANCHOR	3045	50,75	76,03
TRANSIT	960	16,00	23,97
Total	4005	66,75	100,00

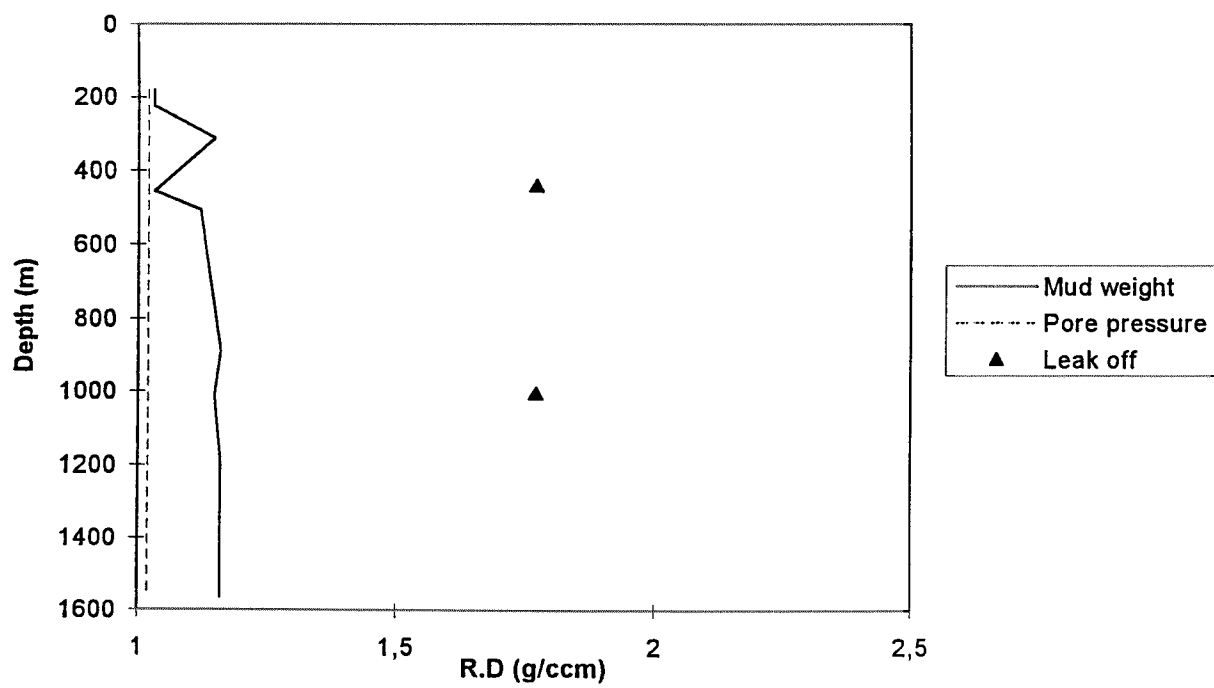
Main operation: PLUG & ABANDON

Sub operations	Minutes	Hours	% of total
CEMENT PLUG	1740	29,00	32,77
CIRC/COND	30	0,50	0,56
CUT	60	1,00	1,13
EQUIP RECOVERY	840	14,00	15,82
TRIP	1755	29,25	33,05
WAIT	885	14,75	16,67
Total	5310	88,50	100,00

Depth vs time for well: 16/3-3



Composite plot for well: 16/3-3



Well History 16/3-3.

General:

Well 16/3-3 was designed to drill the Havørn prospect in block 16/3 on the Utsira High. The primary objective of the well was to test the reservoir and hydrocarbon potential of the Paleocene Heimdal sands. The prospect sands pinches out to the east and south combined with a structural dip to the northwest. The source kitchen was expected to be the Upper Jurassic Draupne Formation in the Southern Viking Graben. Top seal for the sands were prognosed to be the Upper Paleocene- and the Eocene marine shales.

Operations:

Wildcat well 16/3-3 was spudded 24 July 1989 by the semi-submersible rig Vildkat and completed 8 August 1989 at a depth of 1566 m RKB in rocks of Late Cretaceous age. The well was plugged and abandoned as a dry well. The Heimdal Formation sands are absent and no reservoir intervals were penetrated.

Testing:

No DST tests were performed.

Geological Tops.

Well: 16/3-3.

	Depth m (RKB).
Nordland Group	143.0
Hordaland Group	777.0
Rogaland Group	1307.0
Balder Fm	1307.0
Sele Fm	1344.0
Lista Fm	1376.0
Shetland Group	1488.0
Tor Fm.	1488.0
T.D	1566.0