

Well no : 1/ 3-04 Operator : ELF

Coordinates : 56 56 39.21 N UTM coord. : 6311353 N
 02 43 0.23 E 482765 E

Licence no : 065 Permit no : 361

Rig : DYVI ALPHA Rig type : SEMI-SUB.

Contractor : DYVI OFFSHORE A/S

Bottom hole temperature : 126 deg.C Elev. KB : 25 M

Spud. date : 83.02.15 Water depth : 72 M

Compl. date : 83.05.08 Total depth : 3198 M

Spud. class : WILDCAT Form. at TD : PERMIAN

Compl. class : P&A. DRY HOLE Prod. form :

Seisloca : 8186 - 208 AND 8186 - 421

LICENSEES

16,667 ELF AQUITAINE NORGE A/S
 15,000 A/S NORSKE SHELL LETE-OG UTVINNINGSAVDELINGEN
 50,000 DEN NORSKE STATS OLJESELSKAP A.S
 10,000 TEXACO EXPLORATION NORWAY A/S
 8,333 TOTAL MARINE NORSK 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	158,0	36	158,0	
SURF. COND.	20	761,0	26	773,0	1,72
INTERM.	13 3/8	1557,0	17 1/2	1595,0	1,94
INTERM.	9 5/8	2600,0	12 1/4	2624,0	1,93
OPEN HOLE			8 1/2	3198,0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery M %	Series
1	2780.0 - 2789.0	8.5 94.4	LOWER TERTIARY
2	2817.0 - 2830.0	1.1 8.5	UPPER CRETACEOUS

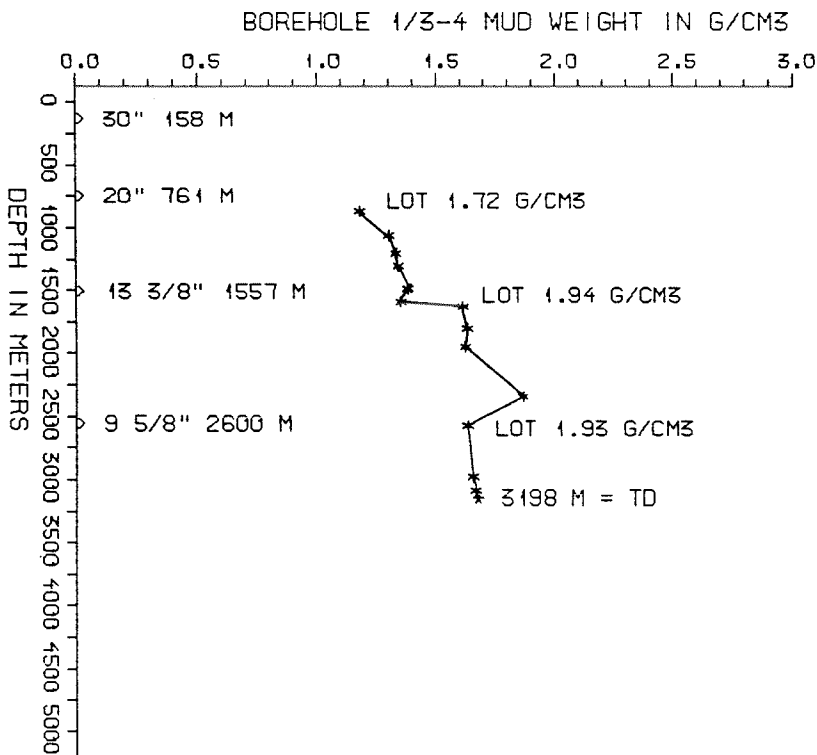
DRILL STEM TEST									
TEST NO	DEPTH BELOW KB	CHOKE SIZE mm	RECOVERY					PRESS. (psi)	
			OIL Sm ³ /d	GAS M Sm ³ /d	OIL GRAV. g/cm ³	GAS GRAV. rel. air	GOR m ³ /m ³	FSIP	WHP
	NONE								

AVAILABLE LOGS			
LOG TYPE	INTERVALS	1/200	1/500
ISF SLS GR (GR:90-157)	157 - 770	X	X
ISF SONIC MSFL	760 - 1591	X	X
ISF SONIC MSFL	1559 - 2281	X	X
ISF SONIC MSFL	1559 - 2625	X	X
ISF SONIC MSFL	2603 - 2884	X	X
ISF LSS	2603 - 3200	X	X
ISF SLS GR	157 - 770	1:1000	
ISF SONIC MSFL	760 - 1591	1:1000	
ISF SONIC MSFL	1559 - 2281	1:1000	
ISF SONIC MSFL	1559 - 2625	1:1000	
ISF SONIC MSFL	2603 - 2884	1:1000	
ISF SONIC MSFL	2603 - 3200	1:1000	
LDL	157 - 772	X	X
LDL CNL	760 - 1592	X	X
LDL CNL	1559 - 2625	X	X
LDL CNL	2603 - 2885	X	X
LDL CNL	2840 - 3201	X	X
DLL MSFL	2603 - 3196	X	X
CDM	1559 - 2625	X	
CDM	2603 - 3200	X	
NGS	2603 - 2885	X	
NGS	2840 - 3201	X	
BGS	760 - 1550	X	
BGS	1559 - 2626	X	
RFT	1674 - 2257	X	
RFT	2628 - 2995	X	
CBL VDL	400 - 1559	X	
CBL VDL	750 - 2603	X	
MUD	160 - 3200		X
VELOCITY (L.T.S.)	157 - 3194	1:1000	X
(Air Gun Well Velocity Survey & C.L.D.			1 stk)
(Synthetic Seismogram Marine, 10 cm/s,			1 stk)
(Synthetic Seismogram, b/p-w/t, 10 cm/s,			2 stk)
(VSP, 10 cm/s, b/p-w/t, proc: May-83,			7 stk)

MUD PROPERTIES			
DEPTH BELOW KB m	WEIGHT g/cm ³	FUNNEL VISC. sec	FILTRATE LOSS cm ³
820	1.15	60	
1040	1.27		
1195	1.30		
1250	1.31	50	
1470	1.35		
1550	1.32		
1610	1.58	36	
1750	1.60	32	
1970	1.59	32	
2270	1.83	18	
2340	1.83	40	
2630	1.60	50	
2920	1.62	40	
3010	1.63	40	

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	170 - 3190	360
WET SAMPLES	170 - 3190	306

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
	NONE



WELL HISTORY - 1/3-4

GENERAL:

The wildcat 1/3-4 was drilled to test the hydrocarbon potential in Danian and Upper Cretaceous Chalk, Ekofisk and Tor Formations, on a domal structure induced by halokinesis. Both Ekofisk and Tor Formations were tight and essentially water bearing. In the Miocene oil and gas were found, but there was no evidence of a reservoir at this level. The well was plugged and abandoned as a dry hole.

OPERATIONS:

The well was spudded 15.02.83 by the semi-submersible rig Dyvi Alpha. While drilling through Middle Miocene claystones, the gas content increased rapidly and the mud weight had to be increased to compensate for this. To stabilize the well, 2 cement plugs and 4 barite plugs were set in this interval. Drilling continued normally but logs were affected by large cave-ins in the Miocene zone. Two cores were taken from the Ekofisk and Tor Formations. The well was drilled with waterbased mud.

TESTING:

No DST's were performed. Two RFT runs and three CST runs were made.

GEOLOGICAL TOPS
WELL 1/3-4

	Depth m (RKB)
Nordland Group	96,5
Hordaland Group	1580,0
Rogaland Group	2617,0
Balder Fm	2617,0
Chalk Group	2753,5
Ekofisk Fm	2753,5
Tor Fm	2797,5
Zechstein Group	3160,0
TD=	3198,0