

Well no : 30/ 6-10 Operator : HYDRO

Coordinates : 60 36 29.53 N UTM coord. : 6719328 N
 02 46 24.74 E 487600 E

Licence no : 053 Permit no : 348

Rig : TREASURE SCOUT

Contractor : WILHELMOSEN OFFSHORE SERVICES

Bottom hole temperature : 70 deg.C Elev. KB : 23 M

Spud. date : 82.10.04 Water depth : 109 M

Compl. date : 82.12.02 Total depth : 2656 M

Spud. class : APPRAISAL Form. at TD : JURASSIC

Compl. class : P&A. OIL/GAS DISC. Prod. form :

Seisloca : 913 133 SP 615

LICENSEES

13,330 ELF AQUITAINE NORGE A/S
 12,500 NORSK HYDRO PRODUKSJON A.S
 10,000 MOBIL DEVELOPMENT NORWAY A/S
 7,500 SAGA PETROLEUM A.S
 50,000 DEN NORSKE STATS OLJESELSKAP A.S
 6,670 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
CONDUCTOR	30	219,0	36	220,0	
SURF.COND.	20	949,0	26	970,0	1,56
INTERM.	13 3/8	2138,0	17 1/2	2432,0	1,79
OPEN HOLE			12 1/4	2656,0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2461.0 - 2475.0	14.0	100.0	M. JURASSIC
2	2475.0 - 2493.0	13.0	72.2	M. JURASSIC
3	2493.0 - 2503.0	9.0	90.0	M. JURASSIC
4	2503.0 - 2510.0	6.5	92.9	M. JURASSIC
5	2510.0 - 2517.2	7.2	100.0	M. JURASSIC
6	2517.2 - 2530.0	11.2	87.5	M. JURASSIC
7	2530.0 - 2548.0	18.0	100.0	M. JURASSIC
8	2548.0 - 2553.0	3.0	60.0	M. JURASSIC
9	2553.0 - 2554.4	1.4	100.0	M. JURASSIC
10	2554.5 - 2572.5	18.0	100.0	M. JURASSIC
11	2572.5 - 2590.4	17.9	100.0	M/E. JURASSIC

DRILL STEM TEST									
TEST NO	DEPTH BELOW KB	CHOKE SIZE mm	RECOVERY					PRESS. (psi)	
			OIL Sm3 /d	GAS M Sm3 /d	OIL GRAV. g/cm3	GAS GRAV. rel. air	GOR m3/m3	FSIP	WHP
				NONE					

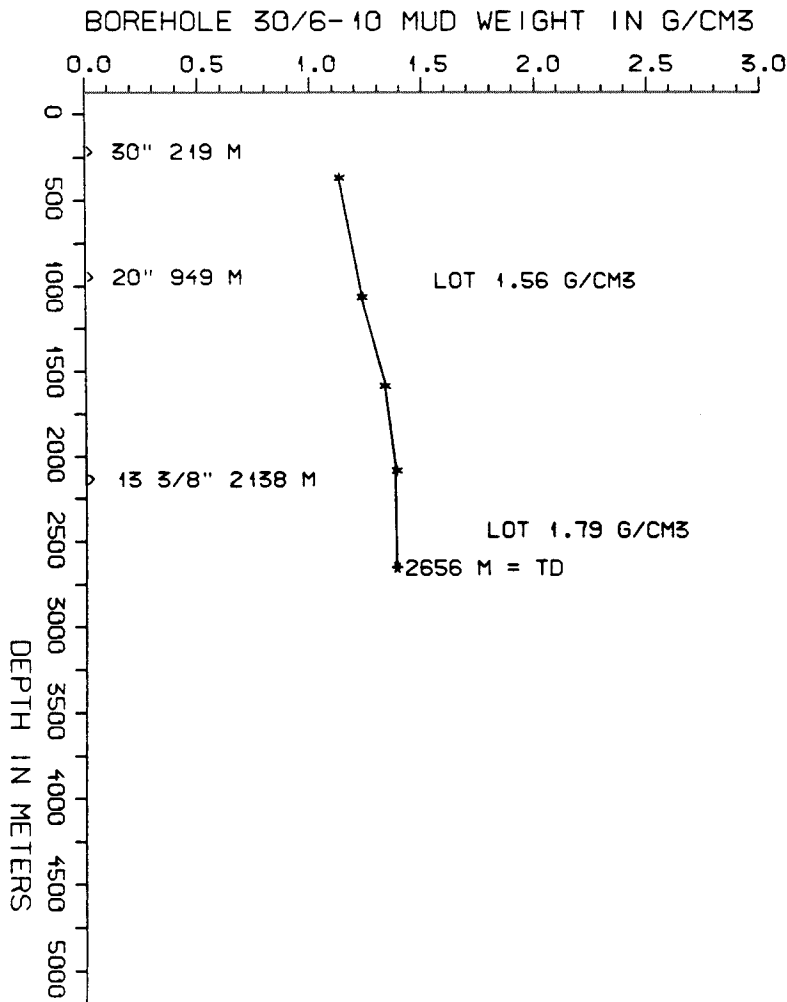
AVAILABLE LOGS				
LOG TYPE	INTERVALS	1/200	1/500	
ISF LSS GR	132 - 969	x	x	
ISF LSS GR	950 - 2421	x	x	
ISF LSS GR	2370 - 2652	x	x	
LDL	950 - 2421	x	x	
LDL	2137 - 2653	x	x	
DLL MSFL	2310 - 2650	x	x	
CDM	1945 - 2422	x		
CDM	2350 - 2653	x		
CDM AP	1935 - 2421	x	x	
CDM AP	2350 - 2653	x	x	
RFT	2458 - 2574	x		
RFT #	2458 - 2574	x		
NGL RATIOS PLAYBACK	2137 - 2653	x	x	
CBL	1200 - 2134	x		
PRESSURE EVALUATION	220 - 2656	1:5000		
DRILL.DATA PRESSURE	220 - 2656	1:5000		
TEMPERATURE DATA	220 - 2656	1:5000		
MUD RESISTIVITY	220 - 2656	1:5000		
MUD	220 - 2656		x	
VELOCITY	132 - 2656		x	

(RFT # = HEWLETT PACKARD GAUGE)
 (+Geogram Synthetic Seismogram, nor/rev.pol., min. phase, 10 cm/s, 2stk)
 (+Seismic survey 310 - 2654 m, 1stk)
 (+ VSP, plot 1 - 6, 1stk)

MUD PROPERTIES			
DEPTH BELOW KB m	WEIGHT g/cm ³	FUNNEL VISC. sec	FILTRATE LOSS cm ³
300	1.10	40	
1000	1.20	40	
1520	1.30	45	
2020	1.35	54	
2630	1.36	53	

DRILL BIT CUTTINGS AND WET SAMPLES		
SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	220 - 2655	350
WET SAMPLES	220 - 2655	440

SHALLOW GAS	
DEPTH INTERVAL m KB	REMARKS
481	



WELL HISTORY - 30/6-10

GENERAL :

The main objective of well 30/6-10 was to define the gas/oil interface on the Alfa structure in the Oseberg Field. The well encountered both oil and gas in Middle Jurassic Brent sandstones. The contact between the two phases could be defined. No other hydrocarbon bearing reservoirs were encountered by this well although oil shows had been reported from the Late Cretaceous limestone. The well was later sidetracked and tested as 30/6-10 A. Information concerning the sidetracked well will be released in the next edition of "Well Data Summary Sheets" (Vol. 14).

OPERATIONS :

30/6-10 was spudded 04.10.82 by the drilling rig "Treasure Scout". The hole was drilled without any special problems although some problems were encountered while running both 20" and 13 3/8" casing. Leakages in the BOP stack after installing the 13 3/8" csg. also occurred. 11 cores were cut in the 12 1/4" section before the hole reached TD at 2656 m.

TESTING :

The well was not tested. 3 segregated samples were taken on RFT runs at various depths.

GEOLOGICAL TOPS

WELL: 30/6-10

	Depth m (RKB)
Nordland Group	132 m
Utsira FM	687 m
Hordaland Group	889,5 m
Rogaland Group	1981 m
Balder Fm	1981 m
Sele Fm	2054 m
Lista Fm	2158 m
Montrose Group	2245,5 m
Maureen FM	2245,5 m
Shetland Group	2253 m
Viking Group	2415,5 m
Heather Fm	2415,5 m
Brent Group	2457,5 m
Ness Fm	2457,5 m
Etive Fm	2540,5 m
Dunlin Group	2575 m
Drake Fm	2575 m

TD = 2656 m