

Well no : 30/06-17A Operator : HYDRO

Coordinates : 60 34 15.77 N UTM coord. : 6715194 N
 02 44 59.84 E 486293 E

Licence no : 53 Permit no : 504

Rig : TREASURE HUNTER Rig type : SEMI-SUB.

Contractor : WILHELMSSEN OFFSHORE SERVICES

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

Spud. date : 86.02.04 Water depth : 111 M

Compl. date : 86.03.18 Total depth : 3647 M

Spud. class : WILDCAT Form. at TD : E.JURASSIC

Compl. class : P&A. GAS DISCOVERY Prod. form :

Seisloca : NH 82 - 214 SP. 400

LICENSEES

10.667000 ELF AQUITAINE NORGE A/S
 12.250000 NORSK HYDRO PRODUKSJON A.S
 8.000000 MOBIL EXPLORATION NORWAY INC.
 7.350000 SAGA PETROLEUM A.S.
 56.400000 DEN NORSKE STATS OLJESELSKAP A.S
 5.333000 TOTAL NORGE A.S

CASING AND LEAK-OFF TESTS

Type	Casing diam.	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
INTERM.	13 3/8	1593.0	17 1/2	2397.0	.
INTERM.	9 5/8	2323.0	12 1/4	2335.0	.

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2420.0 - 2430.0	0.0	0.0	

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Viscosity	Mud type
1540.000	1.50	27.0	WATER BASED
1540.000	1.49	23.0	WATER BASED
2075.000	1.48	14.0	WATER BASED
2399.000	1.50	30.0	WATER BASED
2300.000	1.48	10.0	WATER BASED
2335.000	1.50	15.0	WATER BASED
1835.000	1.37	12.0	WATER BASED
2227.000	1.36	19.0	WATER BASED
2250.000	1.37	19.0	WATER BASED
2335.000	1.48	15.0	WATER BASED
2686.000	1.35	16.0	WATER BASED

2686.000 1.36 17.0 WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES

Cutting		
Wet Samples	1635-2685	230

SHALLOW GAS

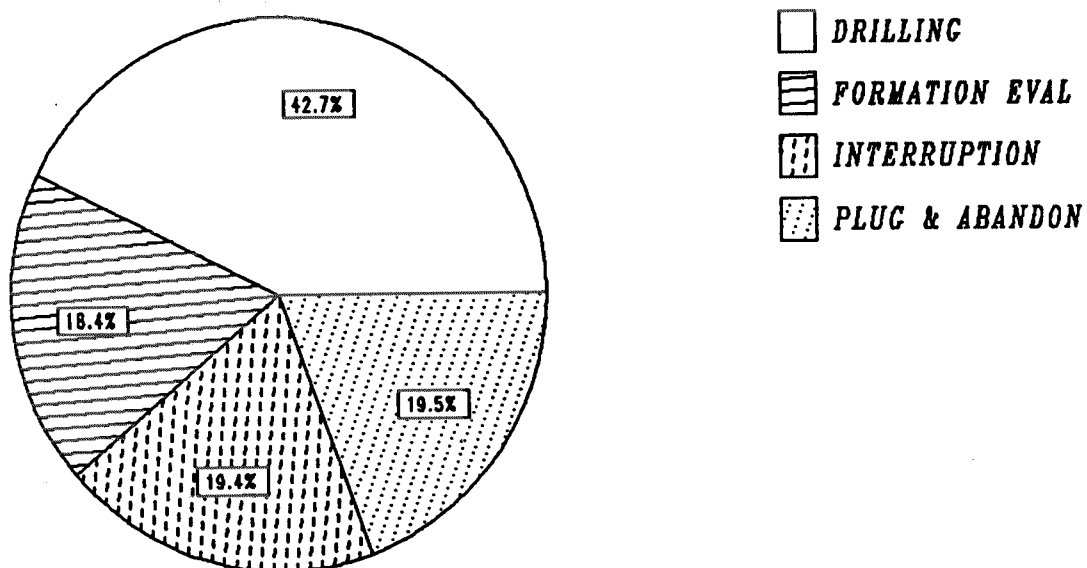
Interval below KB	REMARKS

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
GR DENS SONIC	1615.000 - 2487.000		X	
DIL LS SONIC	1591.000 - 2331.000	X	X	
DIL BHC	2311.000 - 2676.000	X	X	
CDL CNL	1591.000 - 2330.000	X		
CDL CNL	2300.000 - 2667.000	X	X	
CBL CCL	1500.000 - 2317.000	X	X	
DXC / NXB	1600.000 - 2686.000	1:5000		
TEMP.DATA LOG	1600.000 - 2686.000	1:5000		
DRILL DATA PRESS	1600.000 - 2686.000	1:5000		
MUD	1633.000 - 2686.000		X	
VELOCITY LOG	1615.000 - 2487.000	1:1000X		
(Velocity, linear time scale , 5-10cm/s			2 stk.)	
(Velocity, time-depth, 10cm/s			2 stk.)	
(Two-way travel, 10cm/s			1 stk.)	
(VSP Fixed offset, 10cm/s			7 stk.)	
(VSP Zero offset 5-10-20cm/s			8 stk.)	
(Synthetic seismogram, 10-20cm/s			8 stk.)	

DAILY DRILLING REPORT SYSTEM

Main operations for well : 0030/06 - 17 A



Total : 1032.00 hours

Main operation	Minutes	Hours	% of total
DRILLING	26459	440.98	42.73
FORMATION EVAL	11401	190.02	18.41
INTERRUPTION	12000	200.00	19.38
PLUG & ABANDON	12060	201.00	19.48

MAIN OPERATIONS FOR WELL : 0030 / 06 - 17 A

MAIN OPERATION : DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	1080	18.00	4.08
BOP/WELLHEAD EQ	150	2.50	0.57
CASING	2880	48.00	10.88
CIRC/COND	1230	20.50	4.65
DRILL	7740	129.00	29.25
OTHER	30	0.50	0.11
REAM	3050	50.83	11.53
SURVEY	210	3.50	0.79
TRIP	10089	168.15	38.13
Total	26459	440.98	100.00

MAIN OPERATION : FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC SAMPLES	420	7.00	3.68
CIRC/COND	900	15.00	7.89
CORE	1980	33.00	17.37
LOG	2551	42.52	22.38
OTHER	570	9.50	5.00
TRIP	4980	83.00	43.68
Total	11401	190.02	100.00

MAIN OPERATION : INTERRUPTION

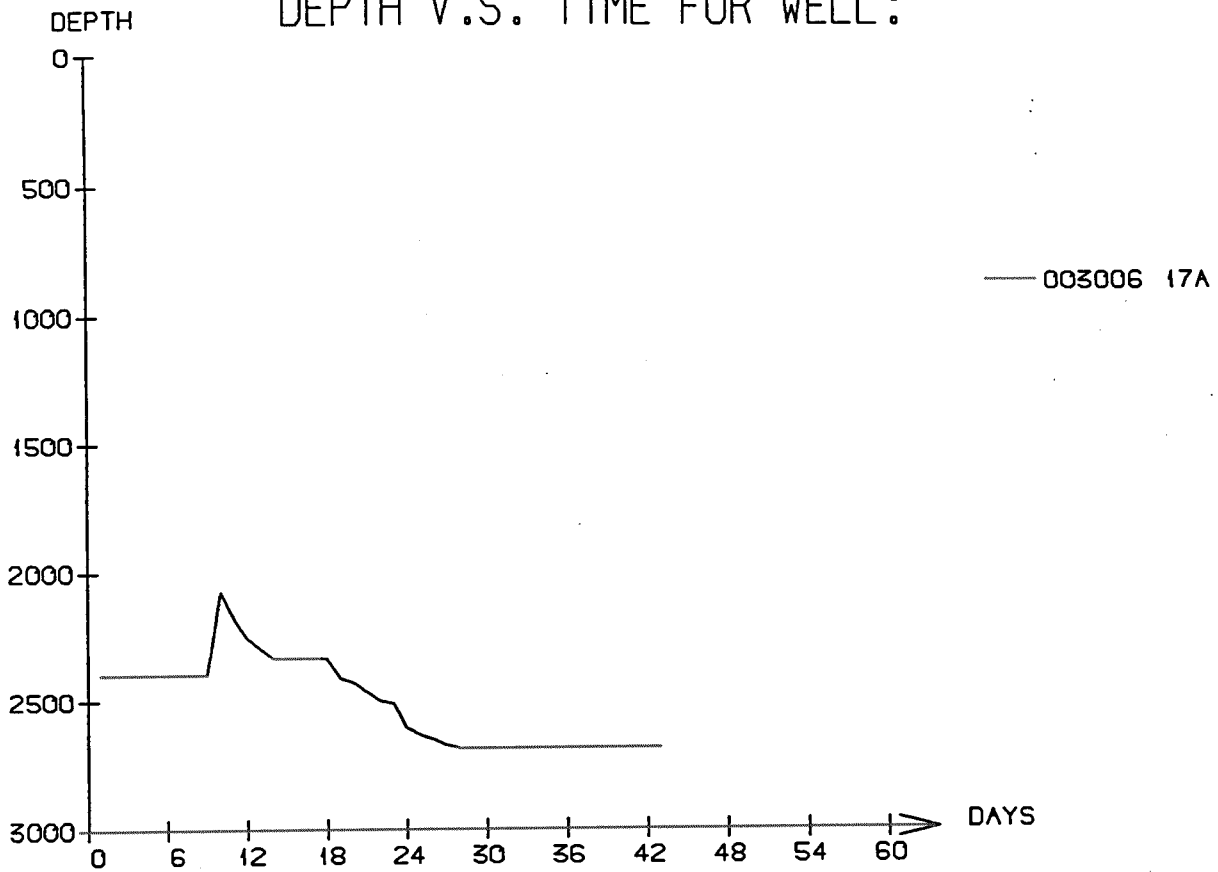
Sub operations	Minutes	Hrs	% of total
FISH	1050	17.50	8.75
MAINTAIN/REP	960	16.00	8.00
OTHER	3720	62.00	31.00
WAIT	5820	97.00	48.50
WELL CONTROL	450	7.50	3.75
Total	12000	200.00	100.00

MAIN OPERATION : PLUG & ABANDON

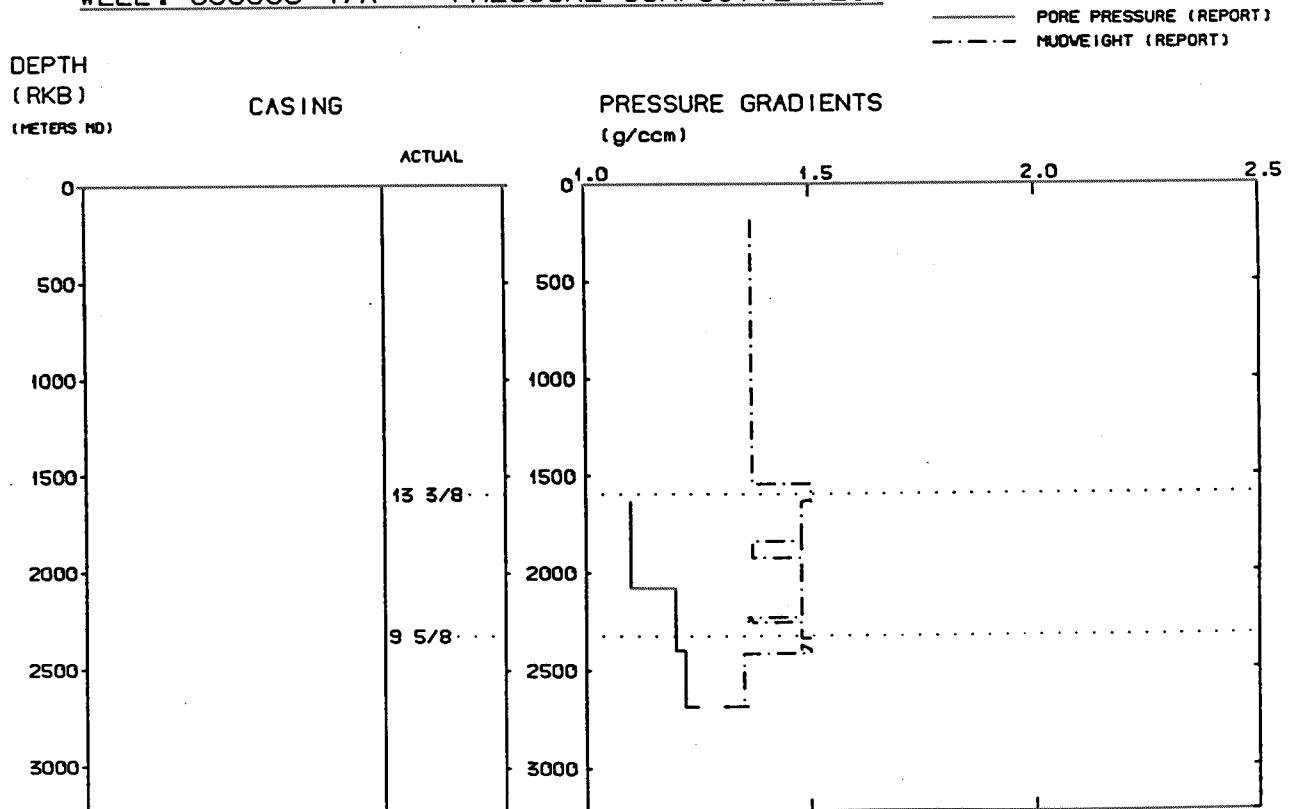
Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	930	15.50	7.71
CIRC/COND	690	11.50	5.72
CUT	30	0.50	0.25
EQUIP RECOVERY	810	13.50	6.72
MECHANICAL PLUG	690	11.50	5.72
OTHER	3480	58.00	28.86
PERFORATE	630	10.50	5.22
SQUEEZE	150	2.50	1.24
TRIP	3930	65.50	32.59
WAIT	720	12.00	5.97
Total	12060	201.00	100.00

Total time used 1032.00 hrs

DEPTH V.S. TIME FOR WELL:



WELL: 003006 17A PRESSURE COMPOSITE PLOT



Well History 30/6-17 A

GENERAL:

Well 30/6-17 A was drilled in the Alpha structure on the Oseberg field. The main objectives of the well were:

- to prove hydrocarbons in the Statfjord Formation
- to drill into the Statfjord Formation at a location which left a minimum of reserves updip of the well
- to improve the stratigraphical and structural knowledge of the area
- to acquire input of further exploration activity in block 30/6.

Secondary objectives were:

- to acquire further knowledge of the lateral development of the Cook Formation
- to acquire input to establish a possible oil/gas contact in the Cook Formation
- to find possible hydrocarbons within Cretaceous sandstones and to acquire further geological knowledge of these sands.

Prognosed depth of the well was 2690 m RKB.

OPERATIONS:

Wildcat well 30/6-17 A was spudded 4 Februar 1986 by Wilh. Wilhelmsen Offshore Services semi-submersible rig Treasure Hunter and completed 18 March 1986 at a depth of 2686 m in Jurassic rocks. Kick-off point was at 1633 m RKB. Drilling proceeded without significant problems.

1 core was cut in the interval 2420 - 2427.2 m, 3 cores were cut in the Cook Formation in the interval 2466 - 2511 m, and 3 cores further down in the Statfjord Formation in the interval 2636 - 2674.3 m RKB.

27.9 m of the Cook Formation was hydrocarbonbearing and the Statfjord Formation was waterbearing.

The well was plugged and abandoned as a gas discovery.

TESTING:

No DST tests were performed in this well.

GEOLOGICAL TOPS

WELL: 30/6-17 A

	Depth m (RKB)
<i>Hordaland Group</i>	1633.0
<i>Rogaland Group</i>	1924.0
<i>Balder Fm.</i>	1924.0
<i>Sele Fm.</i>	2009.0
<i>Lista Fm.</i>	2089.0
<i>Våle Fm.</i>	2216.0
<i>Shetland Group</i>	2235.0
<i>Jorsalfare Fm.</i>	2235.0
<i>Possibly redeposited unit</i>	2410.5
<i>Dunlin Group</i>	2420.0
<i>Drake Fm.</i>	2420.0
<i>Cook Fm.</i>	2460.0
<i>Amundsen Fm.</i>	2489.0
<i>Statfjord Fm.</i>	2632.0
<i>T.D.</i>	2686.0