

Well no : 34/10-24 Operator : STATOIL

Coordinates : 61 10 32.65 N UTM coord. : 6782792
 02 11 28.10 E 456492

Licence no : 50 Permit no : 471

Rig : DEEPSEA BERGEN Rig type : SEMI-SUB.

Contractor : ODFJELL DRILLING AND CONSULTING COMPANY A/S

Bottom hole temperature : 29.4 deg.C Elev. KB : 23 M

Spud. date : 85.06.28 Water depth : 134 M

Compl. date : 85.08.05 Total depth : 600 M

Spud. class : APPRAISAL Form. at TD : TERTIARY

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

Seisloca : ST 8488 2111 SP. 500

LICENSEES

9.000000 NORSK HYDRO PRODUKSJON A.S
 6.000000 SAGA PETROLEUM A.S.
 85.000000 DEN NORSKE STATS OLJESELSKAP 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	221.0	36	221.5	
SURF.COND.	20	310.0	26	315.0	1.30
INTERM.	9 5/8	587.0	12 1/4	600.0	

MUD PROPERTIES

Depth below KB meter	Mud weighth g/cm ³	Funnel viscosity s/qt	Mud type
220.000	1.05	51.0	WATER BASED
310.000	1.10	85.0	WATER BASED
315.000	1.07	52.0	WATER BASED
379.000	1.10	63.0	WATER BASED
600.000	1.11	62.0	WATER BASED

DRILL STEM TEST

INTERVALS AND PRESSURES

Test no.	interval meter	Choke size	Pressure (PSI)		
			WHP	BTHP	FFP
1.0	334.500 - 336.000	32.5	66.7		

RECOVERY

Test no	Oil Sm ³ /d	Gas Sm ³ /d	Oil grav. g/cm ³	Gas grav. rel. air	GOR m ³ /m ³
1.0		70000		0.559	

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	230 - 600	64
Wet Samples	230 - 600	90

SHALLOW GAS

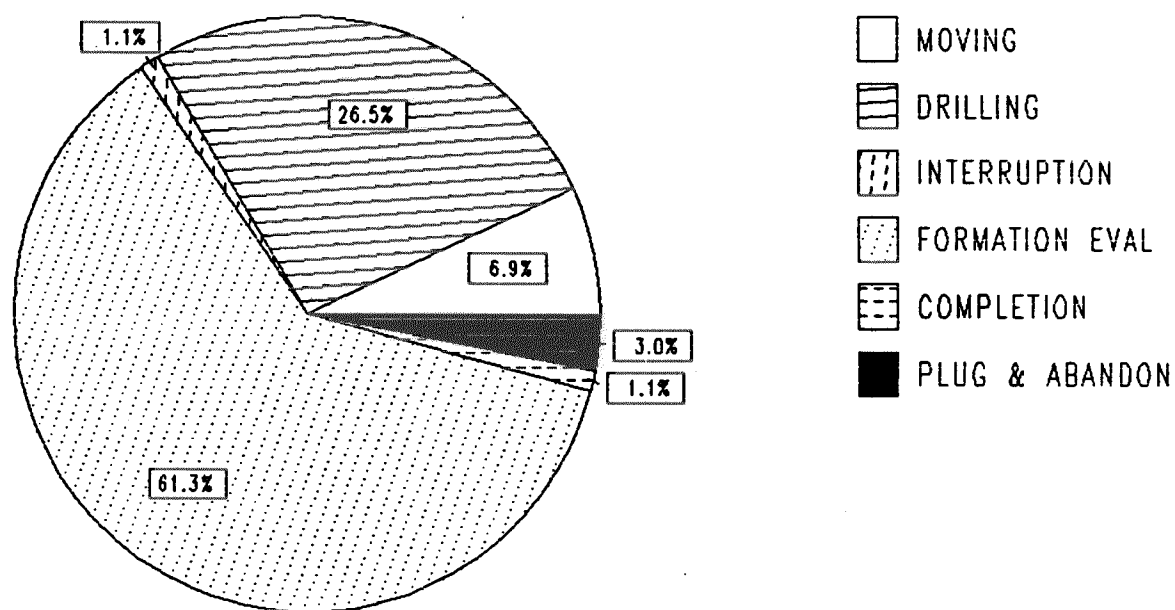
Interval below KB	REMARKS
311.5 - 314.5 M	GAS CHARGED SAND

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200 1/500	
GR	281 - 339	X	
DIFL LS BHC AC CAL GR	309 - 599	X	X
CDL CNL	309 - 599	X	X
DLL MLL	309 - 596	X	X
4-ARM CALIPER GR	309 - 599	X	X
CBL VDL	152 - 349	X	
MUD	157 - 600		X
VELOCITY	309 - 599		X
(+ V.S.P., OVSP 241-246, 10 + 30 cm/s,		22 stk)	

DAILY DRILLING REPORT SYSTEM

Main operation : 34/10-24



Total : 936 HRS

Main operation	Minutes	Hours	% of total
MOVING	3900	65.00	6.94
DRILLING	14910	248.50	26.55
INTERRUPTION	600	10.00	1.07
FORMATION EVAL	34410	573.50	61.27
COMPLETION	630	10.50	1.12
PLUG & ABANDON	1710	28.50	3.04

MAIN OPERATIONS WELL : 34/10-24

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
CASING	4590	76.50	30.78
TRIP	2400	40.00	16.10
DRILL	2940	49.00	19.72
SURVEY	60	1.00	0.40
BOP/WELLHEAD EQ	2550	42.50	17.10
CIRC/COND	420	7.00	2.82
HOLE OPEN	1230	20.50	8.25
BOP ACTIVITIES	720	12.00	4.83
TOTAL	14910	248.50	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
ANCHOR	2430	40.50	62.31
TRANSIT	1470	24.50	37.69
TOTAL	3900	65.00	

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	Hrs	% of total
LOG	3660	61.00	10.64
TRIP	2760	46.00	8.02
CIRC/COND	2820	47.00	8.20
DST	25110	418.50	72.97
OTHER	60	1.00	0.17
TOTAL	34410	573.50	

MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
MAINTAIN/REP	300	5.00	50.00
WELL CONTROL	300	5.00	50.00
TOTAL	600	10.00	

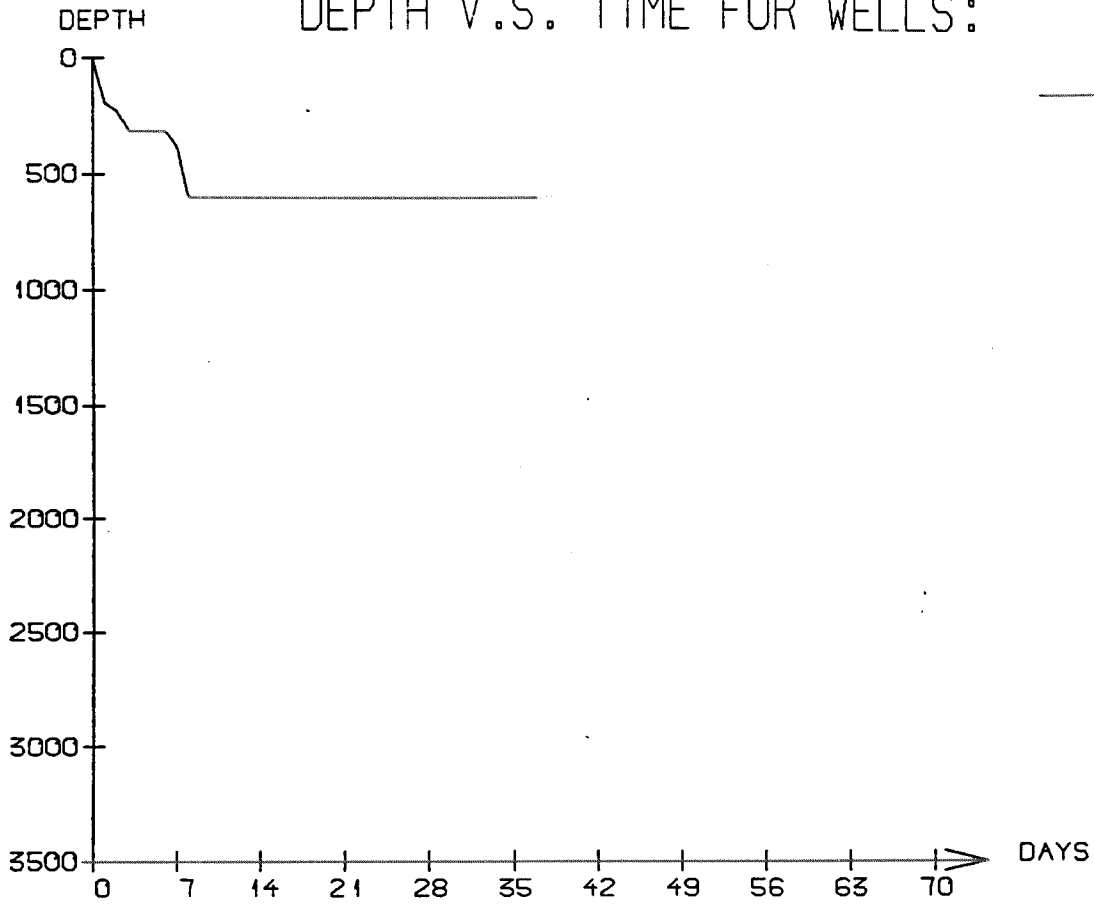
MAIN OPERATION: COMPLETION

Sub operations	Min	Hrs	% of total
STIMULATE	630	10.50	100.00
TOTAL	630	10.50	

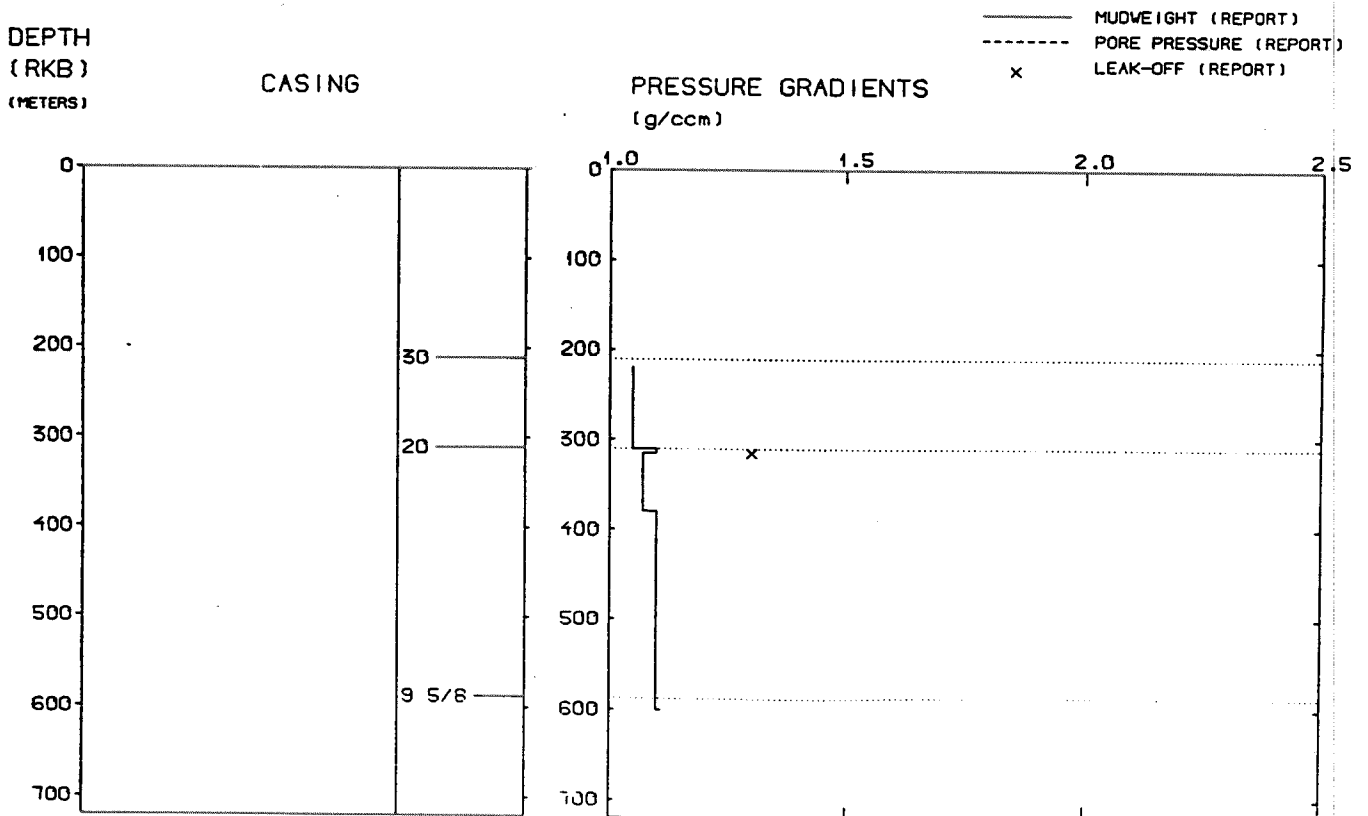
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
TRIP	780	13.00	45.61
CIRC/COND	120	2.00	7.02
CUT	240	4.00	14.04
EQUIP RECOVERY	360	6.00	21.05
CEMENT PLUG	150	2.50	8.77
OTHER	60	1.00	3.51
TOTAL	1710	28.50	

DEPTH V.S. TIME FOR WELLS:



WELL: 0034 10 24 PRESSURE COMPOSITE PLOT



Well History 34/10-24

General:

Appraisal well 34/10-24 was designed to test possible shallow gas accumulation in sandstones at the location for the Gullfaks A platform. The main objects were several sand layers of Pliocene age 290- and 577 m RKB, especially the interval 230-to 255 m RKB, was expected to be gas-bearing in several thin layers. Gas have been indicated on seismic anomalies and logs from other wells in the same field.

Operations:

Appraisal well 34/10-24 was spudded 28 June 1985 by Odfjell Drilling and Consulting Company A/S rig semi-submersibel rig Deepsea Bergen, and completed 5 August 1985 at a depth of 600 m RKB in Tertiary rocks.

Shallow gas was detected in the interval 334.5- to 337.5 m RKB. A production test was performed, and production and pressure remained stable for several days. This indicates that the gasbearing interval is relatively widely distributed, and probably water driven. A full set of conventional logs where run, but picking stratigraphical levels from these logs proved to be difficult.

According to previous log correlations, the well should have run into rocks of Miocene age. But resent biostratigraphical investigations display that the section contain fauna of Pleistocene and Pliocene age.

The well is plugged and abandoned as a gas discovery.

Testing:

One DST test were performed in the interval 334.5- to 336 m RKB.

GEOLOGICAL TOPS

WELL: 34/10-24

	<i>Depth m (RKB)</i>
<i>Nordland Group</i>	<i>285,0</i>
<i>TD=</i>	<i>600,0</i>