

Well no : 25/ 2-08

Operator : ELF

Coordinates	: 59 54 45.14 N 02 20 27.62 E	UTM coord.	: 6642009 N
		UTM zone 31	: 463144 E
Licence no	: 026	Permit no	: 420
Rig	: LE PELERIN	Rig type	: DRILLSHIP
Contractor	: HELMER STAUBO & CO.		
Bottom hole temperature	: 48 deg.C	Elev. KB	: 12 M
Spud date	: 84.06.18	Water depth	: 106 M
Compl. date	: 84.08.01	Total depth	: 2380 M
Spud class.	: APPRAISAL	Age at TD	: TERTIARY
Compl. class.	: P&A. OIL/GAS DISC.		
Seis. loc.	: EL 8305-201R OG EL 835-406		

LICENSEES

41.420	ELF AQUITAINE NORGE A/S
32.870	NORSK HYDRO PRODUKSJON A.S
5.000	DEN NORSKE STATS OLJESELSKAP A.S
20.710	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	180.5	40	181.0	1.03
SURF.COND.	13 3/8	1050.0	17 1/2	1065.0	1.43
OPEN HOLE			12 1/4	2380.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	1919.0 - 1927.0	7.5	94.0	EOCENE
2	1927.0 - 1933.0	6.0	99.9	EOCENE
3	1933.0 - 1942.5	9.5	99.9	EOCENE
4	1975.0 - 1984.0	8.7	97.0	EOCENE
5	2075.0 - 2084.5	9.5	99.9	EOCENE
6	2185.0 - 2194.5	9.5	97.0	EOCENE
7	2194.5 - 2201.0	6.5	98.0	EOCENE
8	2201.0 - 2210.5	9.7	99.9	PALEOCENE
9	2353.0 - 2359.5	5.7	88.0	PALEOCENE

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
905.0	1.09	20.0	WATER BASED
1065.0	1.10	20.0	WATER BASED
1204.0	1.11	41.0	WATER BASED
1272.0	1.16	41.0	WATER BASED
1390.0	1.17	31.0	WATER BASED
1442.0	1.20	29.0	WATER BASED
1603.0	1.23	29.0	WATER BASED
1745.0	1.25	28.0	WATER BASED
1919.0	1.27	32.0	WATER BASED
1924.0	1.28	31.0	WATER BASED
2359.5	1.30	32.0	WATER BASED

DRILL STEM TEST

NO DST'S WERE PERFORMED IN THIS WELL

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	200 - 2380	80
WET SAMPLES	200 - 2380	130

SHALLOW GAS

INTERVAL BELOW KB	REMARKS
217 M	POSSIBLE SHALLOW GAS, LOW GAS READINGS

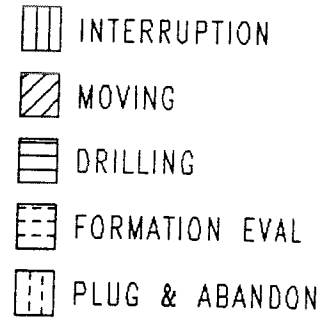
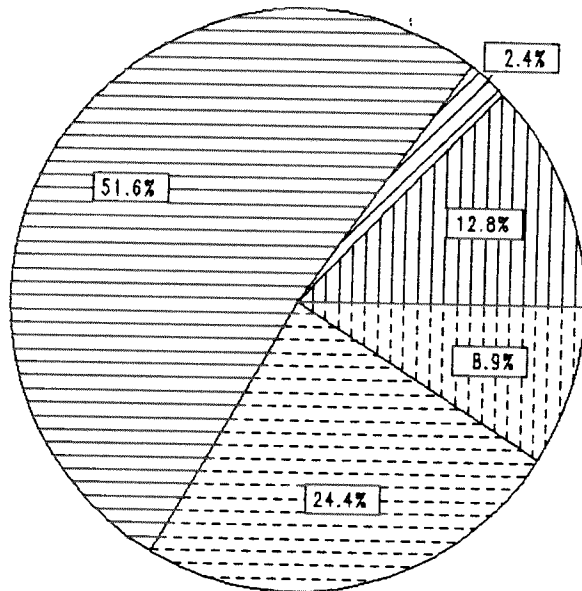
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF LSS SP GR	180 - 1064	X	X
ISF LSS SP CAL	1050 - 2040	X	X
LDL	180 - 1063	X	X
LDL CNL	1050 - 2380	X	X
DIL LSS SP	1050 - 2379	X	X
DLL MSFL	1875 - 2250	X	X
CDM	1050 - 2380	X	
CDM AP	1070 - 2378	X	X
BGL	180 - 1064	X	
RFT STRAIN GAUGE	1922 - 2291		1:100
HP GAUGE	1922 - 2291		1:100
CBL VDL CCL	122 - 1048	X	
MUD	181 - 2380		X
VELOCITY	180 - 2379	1:1000	X

(+ Airgun Well Velocity Survey and Calibr. log data, 1 stk)
 (+ Synthetic Seismogram, Marine, 10 + 40 cm/s, 2 stk)
 (+ Two Way Travel Time, 5 + 10 + 40 cm/s, 3 stk)
 (+ V.S.P., 10 + 40 cm/s, 14 stk)
 (+ Synthetic Seismogram, 10 + 40 cm/s, 4 stk)

DAILY DRILLING REPORT SYSTEM

Main operation : 25/02-08



Total : 1104.00 HRS

Main operation	Minutes	Hours	% of total
INTERRUPTION	8470	141.16	12.7
MOVING	1560	26.00	2.3
DRILLING	34170	569.50	51.5
FORMATION EVAL	16130	268.83	24.3
PLUG & ABANDON	5910	98.50	8.9

MAIN OPERATIONS WELL : 25/02-08

MAIN OPERATION: INTERRUPTION

Sub operations	Min	% of total
OTHER	1530	18.06
MAINTAIN/REP	4600	54.31
WAIT	900	10.63
FISH	1440	17.00
TOTAL	8470	100.00

MAIN OPERATION: MOVING

Sub operations	Min	% of total
TRANSIT	1050	67.31
POSITION	330	21.15
ANCHOR	180	11.54
TOTAL	1560	100.00

MAIN OPERATION: DRILLING

Sub operations	Min	% of total
OTHER	300	0.88
TRIP	7710	22.56
DRILL	11415	33.41
CIRC/COND	540	1.58
CASING	5130	15.01
SURVEY	2400	7.02
BOP/WELLHEAD EQ	3390	9.92
BOP ACTIVITIES	1740	5.09
PRESS DETECTION	210	0.61
REAM	1335	3.91
TOTAL	34170	100.00

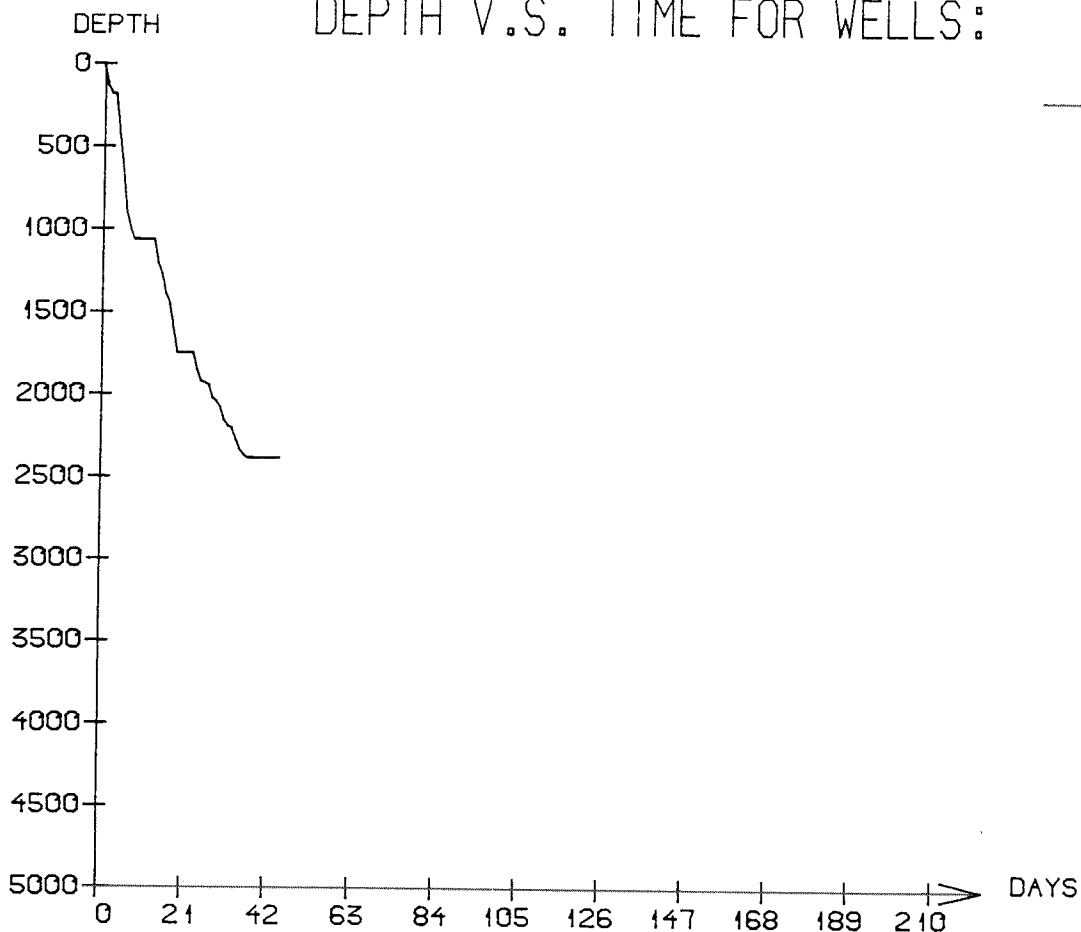
MAIN OPERATION: FORMATION EVAL

Sub operations	Min	% of total
CIRC SAMPLES	1230	7.63
TRIP	5280	32.73
CIRC/COND	2155	13.36
LOG	4510	27.96
CORE	2685	16.65
WAIT	270	1.67
TOTAL	16130	100.00

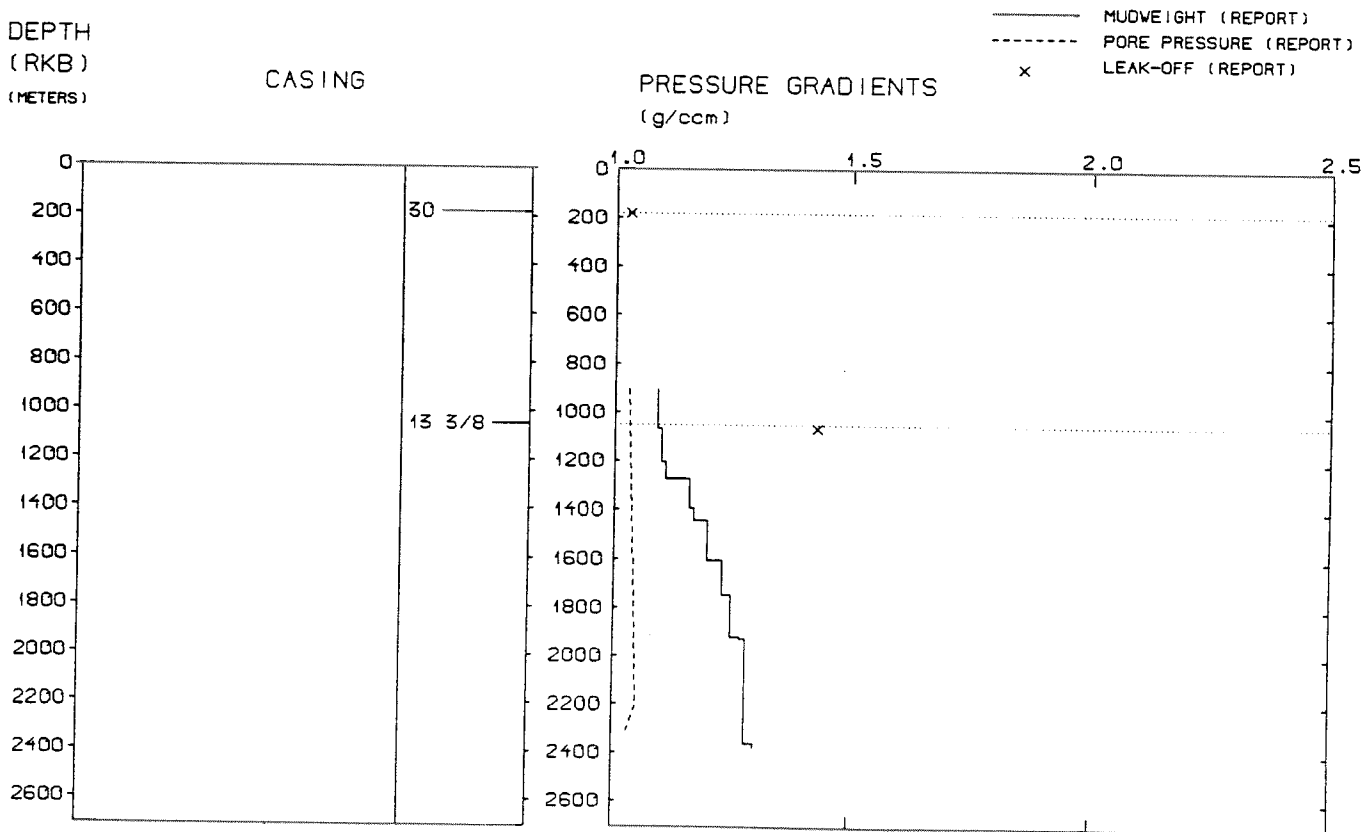
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	% of total
TRIP	2040	34.52
CIRC/COND	210	3.55
CEMENT PLUG	1380	23.35
WAIT	60	1.02
MECHANICAL PLUG	420	7.11
PERFORATE	270	4.57
CUT	570	9.64
EQUIP RECOVERY	960	16.24
TOTAL	5910	100.00

DEPTH V.S. TIME FOR WELLS:



WELL: 002502 08 PRESSURE COMPOSITE PLOT



WELL HISTORY - 25/2-8

GENERAL:

The appraisal well 25/2-8 was drilled on the East Frigg Field. The main objectives of the well were to obtain a better estimation of the gas reserves on East Frigg and good pressure data in both the Frigg sand and the Paleocene sand. A hydrocarbon bearing column of 48 m was encountered. It was found to be reduced communication between the two sandbodies.

OPERATIONS:

The well was spudded 18.06.84 by the drillship Le Pelerin. Nine cores were cut, seven in the Eocene and two in the Paleocene sequence. Problems due to tight hole occurred in the 12 1/4" hole section. The pipe got stuck at 1397 m, but was worked free. Problems pressure testing the BOP occurred with hole depth at 1745 m. A cementplug was set from 1000 - 890 m due to the BOP problems. The core barrel was lost in the hole when pulling out of the hole with core no 9. The fish was recovered.
The well was drilled using water based mud.

TESTING:

The well 25/2-8 was not tested.

GEOLOGICAL TOPS

WELL: 25/ 2-08

	<i>Depth m (RKB)</i>
<i>Hordaland Group</i>	<i>1917.000</i>
<i>Frigg Fm</i>	<i>1917.000</i>
<i>Rogaland Group</i>	<i>2201.500</i>
<i>Balder Fm</i>	<i>2201.500</i>
<i>Sele Fm</i>	<i>2256.500</i>
<i>Ty Fm</i>	<i>2293.500</i>
 <i>TD =</i>	 <i>2380.000</i>