

Well no : 6607/12-01

Operator : ELF

Coordinates : 66 12 54.15 N
07 44 26.72 E

UTM coord. : 7344635 N
443329 E

Licence no : 127

Permit no : 521

Rig : HENRY GOODRICH

Rig type : SEMI-SUB.

Contractor : SONAT OFFSHORE A/S

Bottom hole temperature : 0 deg.C

Elev. KB : 21 M

Spud. date : 86.07.19

Water depth : 391 M

Compl. date : 86.10.01

Total depth : 3521 M

Spud. class : WILDCAT

Form. at TD : L.CRET.

Compl. class : P&A. DRY HOLE

Prod. form :

Seisloca :

LICENSEES

35.000000 ELF AQUITAINE NORGE A/S
15.000000 FINA EXPLORATION
50.000000 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/cm3
CONDUCTOR	30	463.0	36	765.0	.
SURF.COND.	20	750.0	26	1015.0	1.33
INTERM.	13 3/8	1331.0	17 1/2	1353.0	1.68
INTERM.	9 5/8	2694.0	12 1/4	2709.0	1.82

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	1409.0 - 1426.0	9.5	55.9	

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm3	Viscosity	Mud type
420.000	1.06	0.0	WATER BASED
765.000	1.16	30.0	WATER BASED
1015.000	1.11	28.0	WATER BASED
1285.000	1.16	32.0	WATER BASED
1345.000	1.17	40.0	WATER BASED
1353.000	1.18	32.0	WATER BASED
1445.000	1.30	36.0	WATER BASED
1526.000	1.45	30.0	WATER BASED
1526.000	1.50	38.0	WATER BASED
1526.000	1.58	48.0	WATER BASED
1613.000	1.59	55.0	WATER BASED
1676.000	1.62	66.0	WATER BASED

2412.000	1.64	50.0	WATER BASED
2436.000	1.65	66.0	WATER BASED
2569.000	1.64	54.0	WATER BASED
2681.000	1.63	61.0	WATER BASED
2707.000	1.64	60.0	WATER BASED
2815.000	1.39	52.0	WATER BASED
2942.000	1.40	46.0	WATER BASED
3000.000	1.41	46.0	WATER BASED
3113.000	1.45	40.0	WATER BASED
3508.000	1.47	39.0	WATER BASED

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
Cutting	470-3521	600
Wet Samples	470-3460	680

SHALLOW GAS

Interval below KB	REMARKS

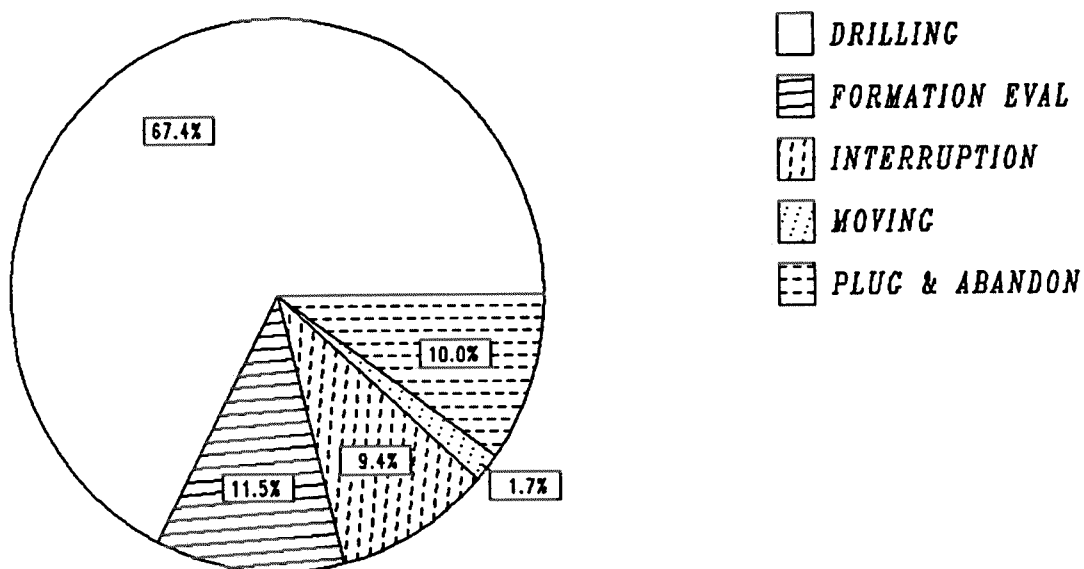
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500	Div.
DIS LSS GR	464.000 - 765.000	X	X	
DIS LSS	750.000 - 1322.000	X	X	
DIS LSS GR	1330.000 - 1521.300	X	X	
ISF BHC GR	1330.000 - 2706.500	X	X	
ISF BHC GR	2692.500 - 3521.000	X	X	
LDL	464.000 - 2708.000	X	X	
LDL CNL NGL	2692.500 - 3522.500	X	X	
SHDT	1330.000 - 2660.000	X		
CDM AP/SHDT LOC	1330.000 - 3522.000	1:40		
CDM AP/SHDT MSD	1335.000 - 3522.000	X	X	
NGL	1330.000 - 2699.500	X		
NGL	2692.500 - 3512.500	X		
BGL	750.000 - 1324.000	X	X	
CBL VDL	390.000 - 1330.000	X		
CBL VDL GR	1300.000 - 2692.500	X		
TEMP. LOG	1000.000 - 1900.000	1:1000		
MUD	750.000 - 3521.000		X	
VELOCITY	464.000 - 3521.000	1:1000X		
(VSP, 3-axis, run 1 .635-3515m				1 stk.)

(VSP, rigshot, 10cm/s, plot 1-7	7 stk.)
(VSP, composite geogram display.	2 stk.)
(Geogram, synthetic seismogram, 5 & 10cm/s	12 stk.)

DAILY DRILLING REPORT SYSTEM

Main operations for well : 6607/12 -01



Total : 1776.00 hours

Main operation	Minutes	Hours	% of total
DRILLING	71820	1197.00	67.40
FORMATION EVAL	12270	204.50	11.51
INTERRUPTION	10050	167.50	9.43
MOVING	1800	30.00	1.69
PLUG & ABANDON	10620	177.00	9.97

MAIN OPERATIONS FOR WELL : 6607 / 12 - 01

MAIN OPERATION : DRILLING

Sub operations	Minutes	Hrs	% of total
BOP ACTIVITIES	2160	36.00	3.01
BOP/WELLHEAD EQ	7290	121.50	10.15
CASING	10080	168.00	14.04
CIRC/COND	3150	52.50	4.39
DRILL	32010	533.50	44.57
PRESS DETECTION	150	2.50	0.21
REAM	1290	21.50	1.80
SURVEY	1230	20.50	1.71
TRIP	13200	220.00	18.38
UNDERREAM	1200	20.00	1.67
WAIT	60	1.00	0.08
Total	71820	1197.00	100.00

MAIN OPERATION : FORMATION EVAL

Sub operations	Minutes	Hrs	% of total
CIRC SAMPLES	660	11.00	5.38
CIRC/COND	1080	18.00	8.80
CORE	180	3.00	1.47
LOG	7830	130.50	63.81
TRIP	2520	42.00	20.54
Total	12270	204.50	100.00

MAIN OPERATION : INTERRUPTION

Sub operations	Minutes	Hrs	% of total
LOST CIRC	4140	69.00	41.19
MAINTAIN/REP	2220	37.00	22.09
OTHER	60	1.00	0.60
WELL CONTROL	3630	60.50	36.12
Total	10050	167.50	100.00

MAIN OPERATION : MOVING

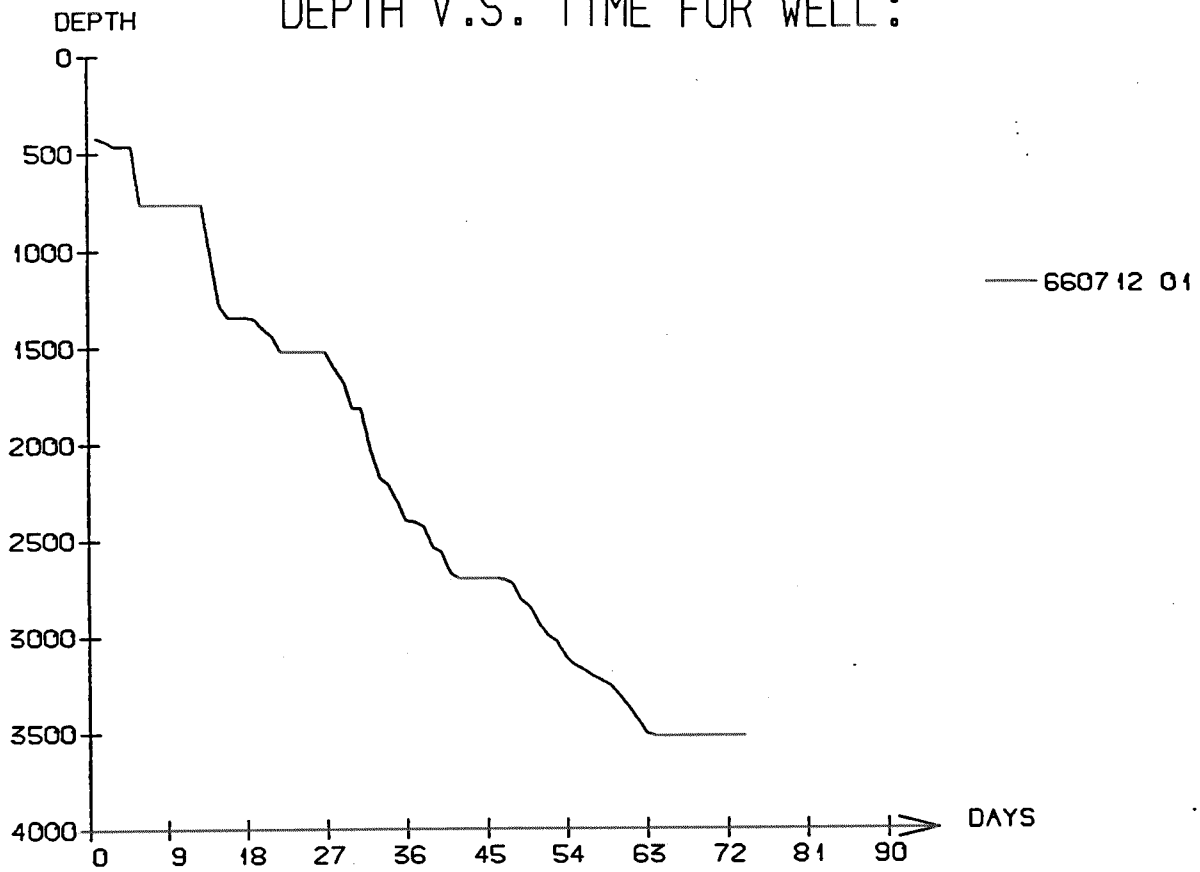
Sub operations	Minutes	Hrs	% of total
ANCHOR	1800	30.00	100.00
Total	1800	30.00	100.00

MAIN OPERATION : PLUG & ABANDON

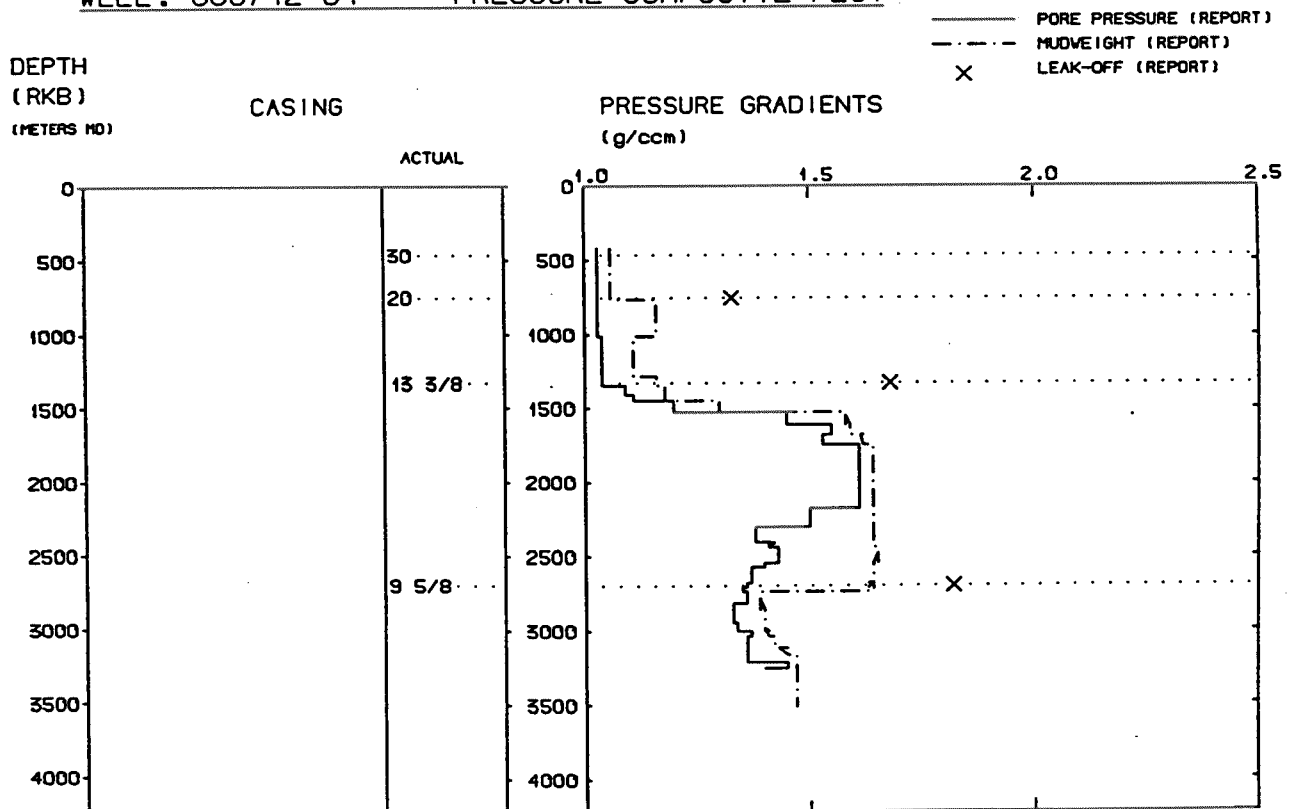
Sub operations	Minutes	Hrs	% of total
CEMENT PLUG	1320	22.00	12.43
CIRC/COND	210	3.50	1.98
CUT	390	6.50	3.67
EQUIP RECOVERY	3750	62.50	35.31
MECHANICAL PLUG	870	14.50	8.19
OTHER	210	3.50	1.98
PERFORATE	780	13.00	7.34
SQUEEZE	180	3.00	1.69
TRIP	2730	45.50	25.71
WAIT	180	3.00	1.69
Total	10620	177.00	100.00

Total time used 1776.00 hrs

DEPTH V.S. TIME FOR WELL:



WELL: 660712 01 PRESSURE COMPOSITE PLOT



Well History 6607/12-1

GENERAL:

The drilling of well 6607/12-1 was aimed at testing all the closed levels at or near their structurally highest points. Main structuration was seen at top Brygge Fm. and top Tare Fm. The main objectives of the well were to test for hydrocarbons in all closed levels of the main structure, to test the contents of the anomalous graben-like feature seen at top Shetland Group level, and to test the upper part of the Cretaceous section west of the Nordland Ridge for potential source rocks.

The prognosed depth was 3500 m.

OPERATIONS:

Wildcat well 6607/12-1 was spudded 19 July 1986 by Sonat Offshore A/S semi-submersible rig Henry Goodrich and completed 1 October 1986 at a depth of 3521 m in Cretaceous rocks. Down to 1440 m drilling proceeded without significant problems. At this depth there was experienced a loss of mud to the formation, but the well was stabilised.

1 core was cut in the interval 1409 - 1426 m. The top of Cretaceous came in at 1727 m, 98 m higher up than prognosed.

The well is plugged and abandoned as a dry hole.

TESTING:

No DST tests were performed in this well.

GEOLOGICAL TOPS

WELL:6607/12-1

Depth m (RKB)

<i>Nordland Group</i>	390.0
<i>Naust Fm.</i>	390.0
<i>Kai Fm.</i>	1229.0
<i>Hordaland Group</i>	1465.0
<i>Brygge Fm.</i>	1465.0
<i>Rogaland Group</i>	1484.0
<i>Tare Fm.</i>	1484.0
<i>Tang Fm.</i>	1578.0
<i>Shetland Group</i>	1725.0
<i>T.D.</i>	3521.0