

Well no : 6406/ 6-01 Operator : STATOIL

Coordinates : 64 43 48.23 N UTM coord. : 7180531
 06 42 14.69 E 390653

Licence no : 105 Permit no : 479

Rig : DYVI STENA Rig type : SEMI-SUB.

Contractor : DYVI OFFSHORE A/S

Bottom hole temperature : 0 deg.C Elev. KB : 25 M

Spud. date : 85.08.15 Water depth : 244 M

Compl. date : 85.12.30 Total depth : 4715 M

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

Compl. class : P&A. DRY HOLE Prod. form :

Seisloca : HB 6583 - 462 SP. 1389

LICENSEES

10.000000 AMERADA HESS NORGE A/S
 40.000000 BP PETROLEUM DEVELOPMENT OF NORWAY A.S
 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/cm ³
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CONDUCTOR	30	331.0	36	332.0	
SURF.COND.	20	954.0	26	965.0	1.73
INTERM.	13 3/8	2393.0	17 1/2	2415.0	1.85
INTERM.	9 5/8	4157.0	12 1/4	4165.0	2.20
LINER	7	4696.0	8 1/2	4711.0	
OPEN HOLE			6	4715.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	4211.0 - 4238.5	27.5	100.0	MIDDLE JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
330.000	1.02		WATER BASED
332.000	1.04	5.0	WATER BASED
359.000	1.05	5.0	WATER BASED
826.000	1.08	5.0	WATER BASED
965.000	1.10	15.0	WATER BASED
1305.000	1.11	17.0	WATER BASED
1652.000	1.20	17.0	WATER BASED
1981.000	1.30	18.0	WATER BASED
2193.000	1.40	15.0	WATER BASED
2296.000	1.49	20.0	WATER BASED
2335.000	1.57	22.0	WATER BASED
2415.000	1.60	19.0	WATER BASED
2490.000	1.72	34.0	WATER BASED
2504.000	1.77	34.0	WATER BASED
2553.000	1.79	35.0	WATER BASED
4238.500	1.81	24.0	WATER BASED
4485.000	1.80	28.0	WATER BASED
4710.000	1.79	28.0	WATER BASED
4715.000	1.76	28.0	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
Cutting	340 - 4711	1365
Wet Samples	340 - 4711	1000

SHALLOW GAS

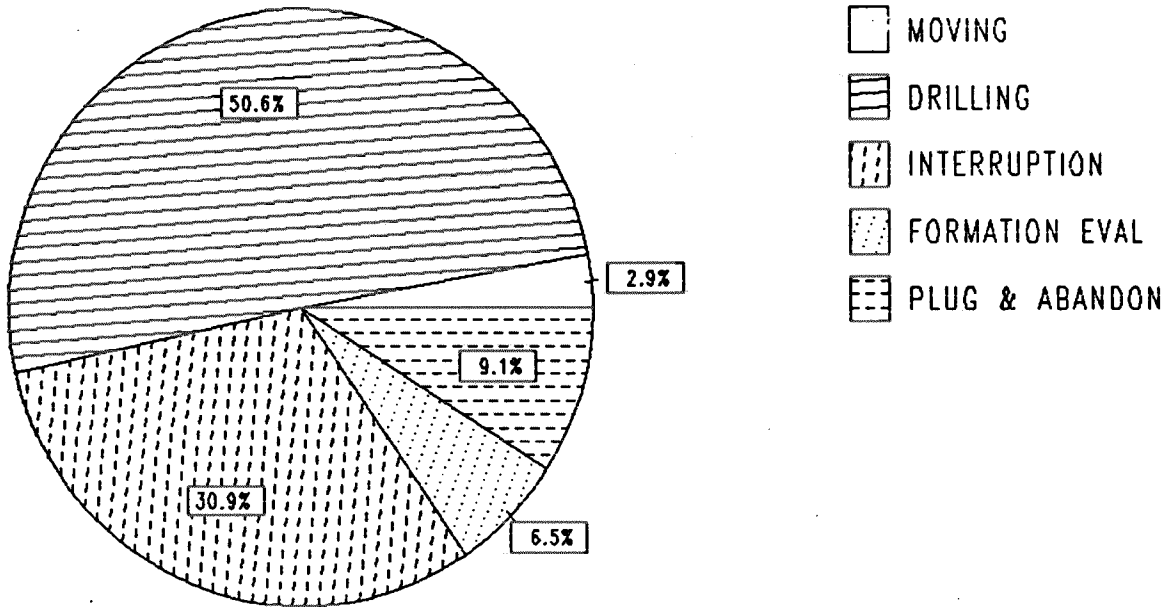
Interval below KB	REMARKS
	NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF LSS MSFL GR COMP.	331.000 - 4705.000	X	X
LDL CNL NGS COMP.	331.000 - 4705.000	X	X
DLL MSFL	3831.000 - 4162.000	X	X
SHDT	4154.000 - 4706.000	X	
RFT	3895.000 - 3899.000		1:100
RFT	4211.000 - 4680.000	X	
HP	3895.000 - 3899.000	X	
NGT PLAYBACK	4155.000 - 4706.000	X	
CBL VDL CCL	380.000 - 2390.000	X	
CBL VDL	2000.000 - 4712.000	X	
MUD	268.000 - 4710.000		X
VELOCITY	335.000 - 4680.000		X
(Synthetic seismogram, 10 cm/s. 25 HZ zero phase		4 stk.)	
(Synthetic seismogram, 10 cm/s. 35 HZ zero phase		4 stk.)	
(Geogram, synthetic seismogram, 10 cm/s		8 stk.)	

DAILY DRILLING REPORT SYSTEM

Main operation : 6406/06-01



Total : 3384 HRS

Main operation	Minutes	Hours	% of total
MOVING	5820	97.00	2.87
DRILLING	102810	1713.50	50.64
INTERRUPTION	62760	1046.00	30.91
FORMATION EVAL	13110	218.50	6.46
PLUG & ABANDON	18540	309.00	9.13

MAIN OPERATIONS WELL : 6406/06-01

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
DRILL	50580	843.00	49.20
CIRC/COND	3510	58.50	3.41
TRIP	20250	337.50	19.70
OTHER	30	0.50	0.03
BOP/WELLHEAD EQ	4530	75.50	4.41
CASING	12480	208.00	12.14
REAM	3180	53.00	3.09
UNDERREAM	3330	55.50	3.24
HOLE OPEN	30	0.50	0.03
BOP ACTIVITIES	3330	55.50	3.24
SURVEY	840	14.00	0.82
PRESS DETECTION	720	12.00	0.70
TOTAL	102810	1713.50	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	1440	24.00	24.74
ANCHOR	4380	73.00	75.26
TOTAL	5820	97.00	

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	Hrs	% of total
LOG	7890	131.50	60.18
CIRC SAMPLES	120	2.00	0.92
RFT/FIT	1950	32.50	14.87
CIRC/COND	510	8.50	3.89
CORE	570	9.50	4.35
TRIP	2070	34.50	15.79
TOTAL	13110	218.50	

MAIN OPERATION: INTERRUPTION

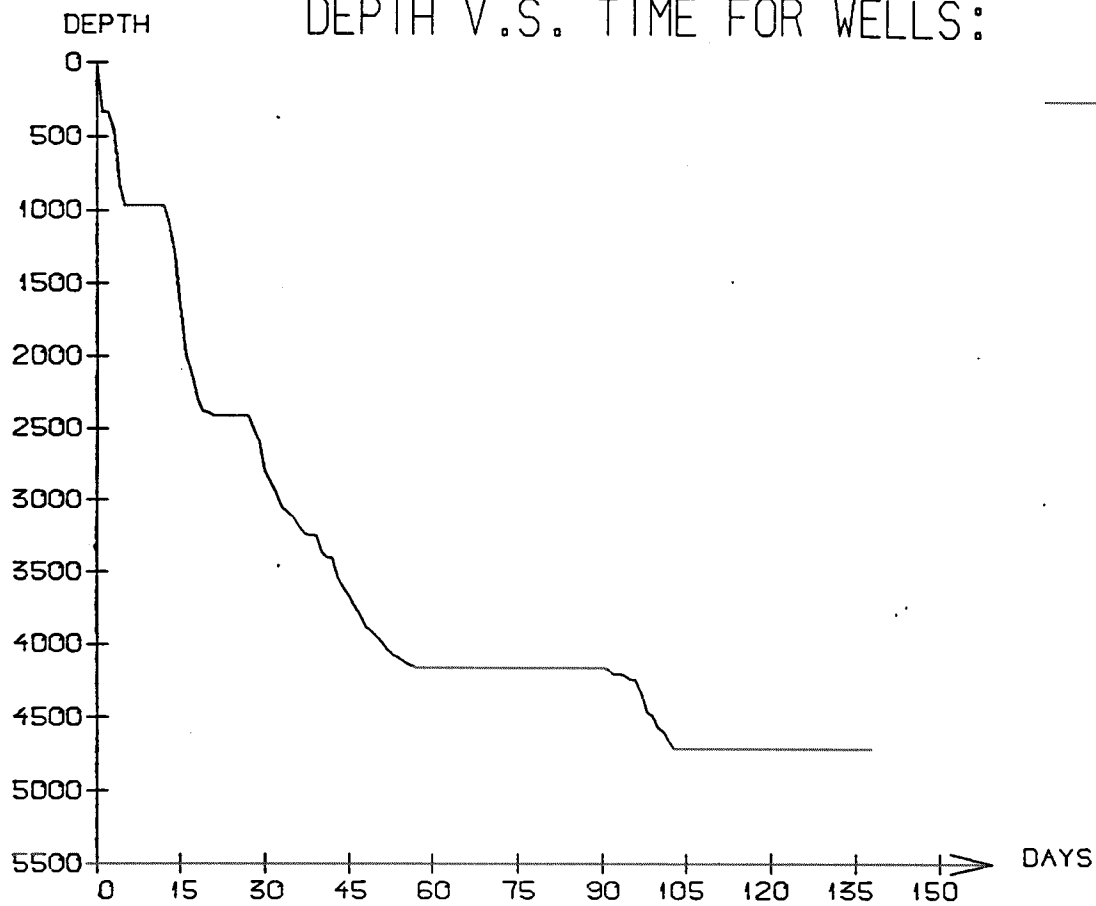
Sub operations	Min	Hrs	% of total
MAINTAIN/REP	41339	688.98	65.87
OTHER	600	10.00	0.96
LOST CIRC	510	8.50	0.81
FISH	15900	265.00	25.33
WAIT	4411	73.52	7.03
TOTAL	62760	1046.00	

MAIN OPERATION: PLUG & ABANDON

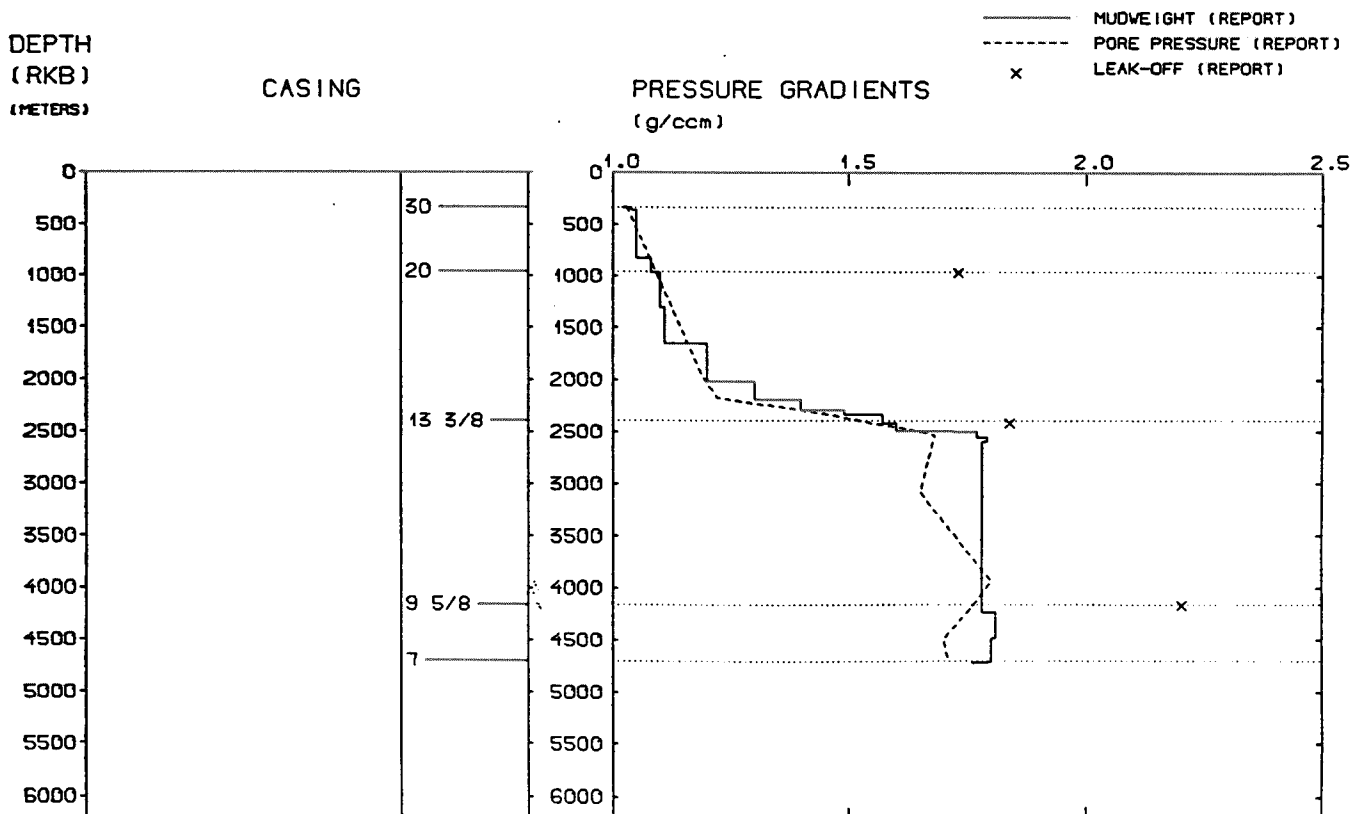
Sub operations	Min	Hrs	% of total
TRIP	9570	159.50	51.62
CIRC/COND	1050	17.50	5.66
CEMENT PLUG	360	6.00	1.94
MECHANICAL PLUG	1080	18.00	5.83
PERFORATE	660	11.00	3.56
SQUEEZE	1410	23.50	7.61
EQUIP RECOVERY	3390	56.50	18.28
CUT	930	15.50	5.02
OTHER	90	1.50	0.49
TOTAL	18540	309.00	

DEPTH V.S. TIME FOR WELLS:

— 6406/06- 01



WELL: 640606 01 PRESSURE COMPOSITE PLOT



WELL HISTORY 6406/6-1

GENERAL:

Wildcat well 6406/6-1 was drilled on the Eta structure in the north-west corner of the block.
The main objective was hydrocarbon accumulations in the Middle Jurassic sandstone reservoir.
The second objective was Early Jurassic sandstone.

OPERATIONS:

6406/6-1 was spudded 15 August 1985 by the semi-submersible rig Dyvi Stena.
The well was drilled to setting depth of 9 5/8" casing without significant problems.
While setting the 9 5/8" casing several problems occurred, starting with difficulties in setting and testing the seal assembly, followed by leakage of the failsafe valves and failure of the BOP acoustic system.
This resulted in a total loss of 28 days.
The drilling proceeded to 4715 m, and the 7" liner was run to 4696 m.
Further problems, loss of several pieces of equipment in the hole, and evaluation of the logs, resulted in the NPD approving the operators request to plug the hole 460 meter short of the prognosed depth.
Traces of hydrocarbons were indicated in thin beds of sandstone of Early Cretaceous age, but the well was plugged and abandoned as dry.

TESTING:

The well was not tested.

GEOLOGICAL TOPS

WELL: 6406/06-01

	Depth m (RKB)
<i>Nordland Group</i>	268,0
<i>Naust Fm</i>	268,0
<i>Kai Fm</i>	1493,0
<i>Hordaland Group</i>	1897,0
<i>Brygge Fm</i>	1897,0
<i>Rogaland Group</i>	2376,0
<i>Tare Fm</i>	2376,0
<i>Tang Fm</i>	2477,0
<i>Shetland Group</i>	2514,0
<i>Cromer Knoll Group</i>	3324,0
<i>Lange Fm</i>	3324,0
<i>Viking Group</i>	4004,0
<i>Spekk Fm</i>	4004,0
<i>Melke Fm</i>	4050,0
<i>Fangst Group</i>	4203,0
<i>Garn Fm</i>	4203,0
<i>Not Fm</i>	4274,0
<i>Ile Fm</i>	4335,0
<i>Båt Group</i>	4416,0
<i>Ror Fm</i>	4416,0
<i>Toft Fm</i>	4519,0
<i>Ror Fm</i>	4556,0
<i>Tilje Fm</i>	4592,0
<i>TD=</i>	4715,0