

Well no : 30/ 9-05 Operator : HYDRO

Coordinates : 60 21 31.34 N UTM coord. : 6691522
 02 53 37.09 E 494131

Licence no : 104 Permit no : 467

Rig : TREASURE SEEKER Rig type : SEMI-SUB.

Contractor : WILHELMSSEN OFFSHORE SERVICES

Bottom hole temperature : 85 deg.C Elev. KB : 25 M

Spud. date : 85.05.27 Water depth : 103 M

Compl. date : 85.07.19 Total depth : 2980 M

Spud. class : WILDCAT Form. at TD : TRIASSIC

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

Seisloca : NOD 3 - 84 - 19 SP. 1330

LICENSEES

5.000000 NORSK AGIP A/S
 5.000000 DET NORSKE OLJESELSKAP AS
 30.000000 NORSK HYDRO PRODUKSJON A.S
 5.000000 SAGA PETROLEUM A.S.
 50.000000 DEN NORSKE STATS OLJESELSKAP A.S
 5.000000 TENNECO OIL NORWAY 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	216.0	36	219.0	
SURF.COND.	20	893.0	26	910.0	1.66
INTERM.	13 3/8	1908.0	17 1/2	1935.0	1.65
OPEN HOLE			12 1/4	2980.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	2455.0 - 2472.3	17.3	100.0	LOWER JURASSIC
2	2608.0 - 2626.2	18.2	100.0	LOWER JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
219.000	1.05		WATER BASED
549.000	1.10	3.0	WATER BASED
885.000	1.09	6.0	WATER BASED
897.000	1.20	9.0	WATER BASED
910.000	1.23	21.0	WATER BASED
1000.000	1.15	16.0	WATER BASED
1188.000	1.17	21.0	WATER BASED
1343.000	1.25	22.0	WATER BASED
1525.000	1.30	27.0	WATER BASED
1714.000	1.35	28.0	WATER BASED
1935.000	1.30	30.0	WATER BASED
2250.000	1.29	26.0	WATER BASED
2367.000	1.25	26.0	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	210 - 2980	504
Wet Samples	220 - 2980	540

SHALLOW GAS

Interval
below KB

REMARKS

NONE

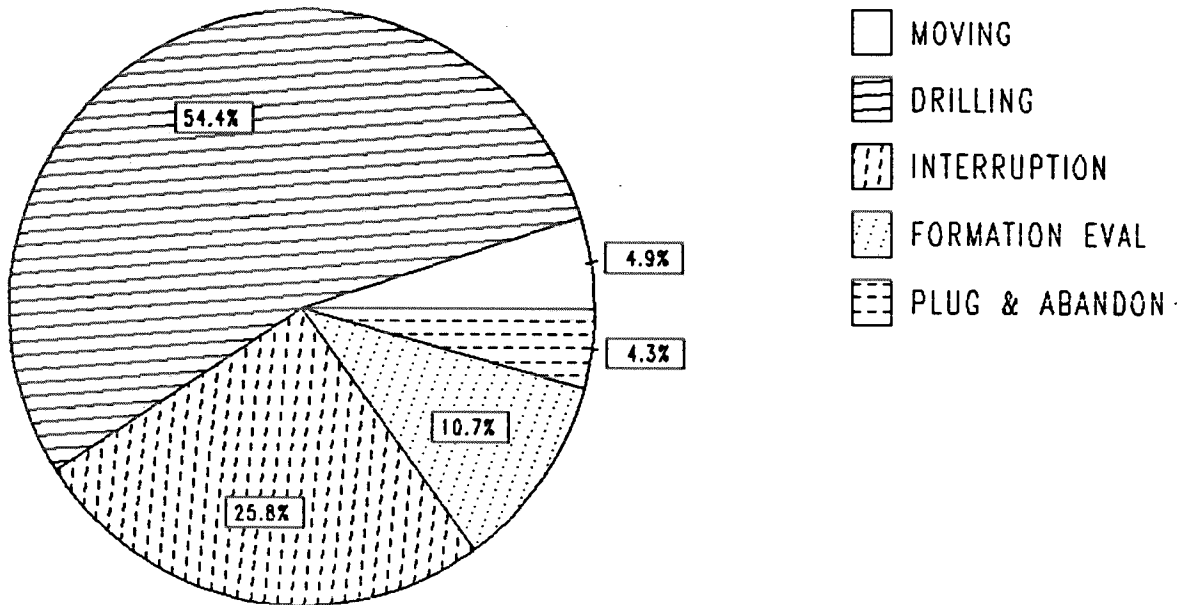
AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500

ISF LSS GR	126 - 882	X	X
ISF LSS	894 - 1910	X	X
ISF LSS	1909 - 2984	X	X
LDL	894 - 1913	X	X
LDL CNL NGS	1909 - 2985	X	X
DLL MSFL	2220 - 2645	X	X
CDM AP/SHDT	1908 - 2985	X	X
NGT RATIOS	1909 - 2985	X	
RFT HP	2239 - 2940		
RFT GR	2239 - 2940		
DRILLING DATA PRESSURE	101 - 2980	1:5000	
TEMPERATURE DATA	101 - 2980	1:5000	
DXC NXB	101 - 2980	1:5000	
CBL VDL	125 - 1908	X	
MUD	220 - 2980		X
VELOCITY	126 - 2984	1:1000	X
(+ Synthetic Seismogram, 10 cm/s,		8 stk)	
(+ V.S.P., Zero Offset, 5 cm/s,		2 stk)	
(+ V.S.P., Zero Offset, 10 cm/s,		12 stk)	
(+ Two Way Travel Time, 5 cm/s,		1 stk)	
(+ Two Way Travel Time, 10 cm/s,		1 stk)	

DAILY DRILLING REPORT SYSTEM

Main operation : 30/09-05



Total : 1344 HRS

Main operation	Minutes	Hours	% of total
MOVING	3945	65.75	4.89
DRILLING	43845	730.75	54.37
INTERRUPTION	20790	346.50	25.78
FORMATION EVAL	8625	143.75	10.70
PLUG & ABANDON	3435	57.25	4.26

MAIN OPERATIONS WELL : 30/09-05

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
DRILL	18120	302.00	41.33
REAM	1215	20.25	2.77
CIRC/COND	1470	24.50	3.35
TRIP	10650	177.50	24.29
CASING	6120	102.00	13.96
WAIT	270	4.50	0.62
BOP/WELLHEAD EQ	1755	29.25	4.00
SURVEY	330	5.50	0.75
UNDERREAM	1695	28.25	3.87
PRESS DETECTION	210	3.50	0.48
BOP ACTIVITIES	2010	33.50	4.58
TOTAL	43845	730.75	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	1200	20.00	30.42
ANCHOR	2745	45.75	69.58
TOTAL	3945	65.75	

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	Hrs	% of total
LOG	5700	95.00	66.09
TRIP	1080	18.00	12.52
CIRC/COND	345	5.75	4.00
CIRC SAMPLES	330	5.50	3.83
CORE	1170	19.50	13.57
TOTAL	8625	143.75	

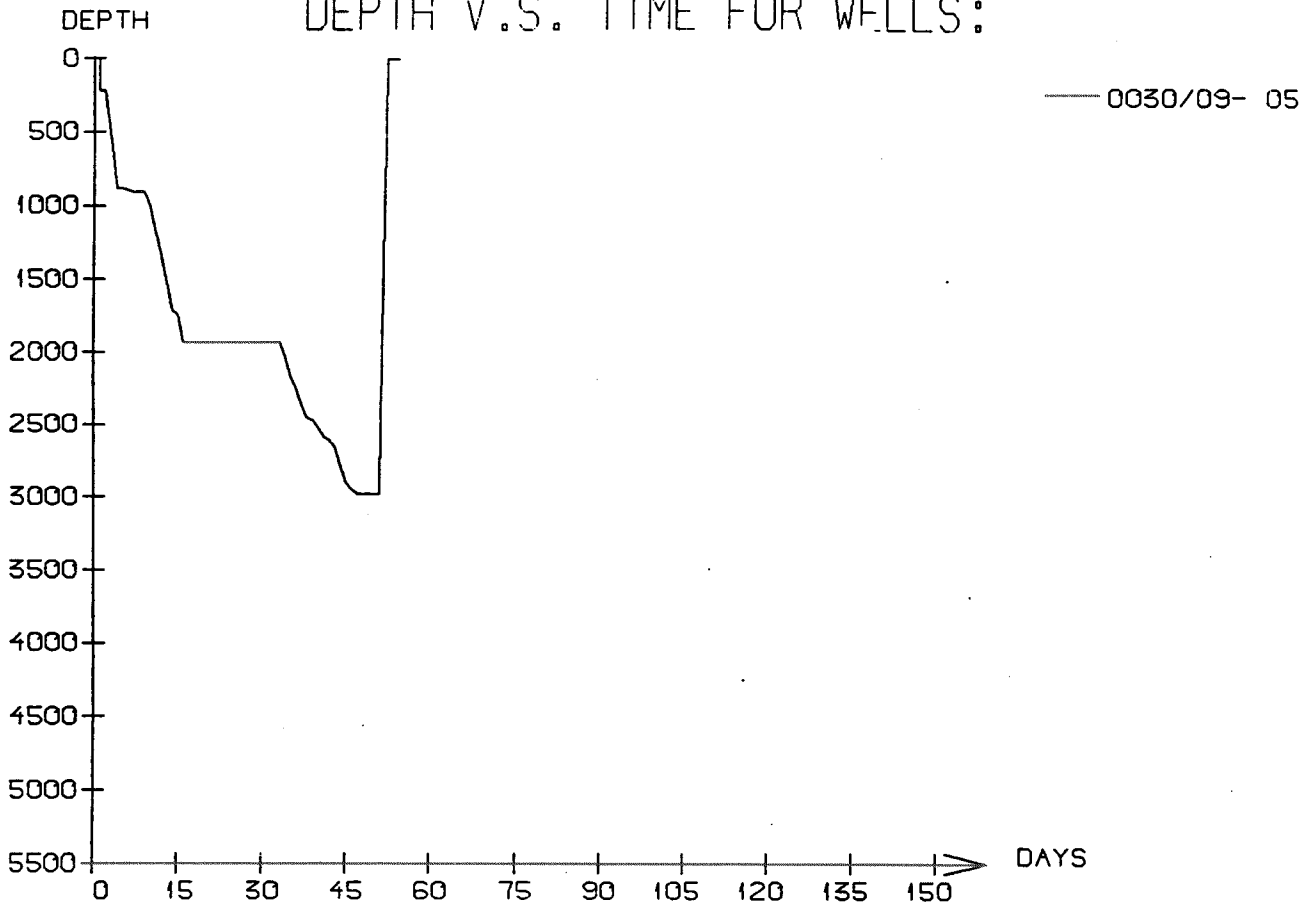
MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
FISH	135	2.25	0.65
MAINTAIN/REP	1620	27.00	7.79
OTHER	19035	317.25	91.56
TOTAL	20790	346.50	

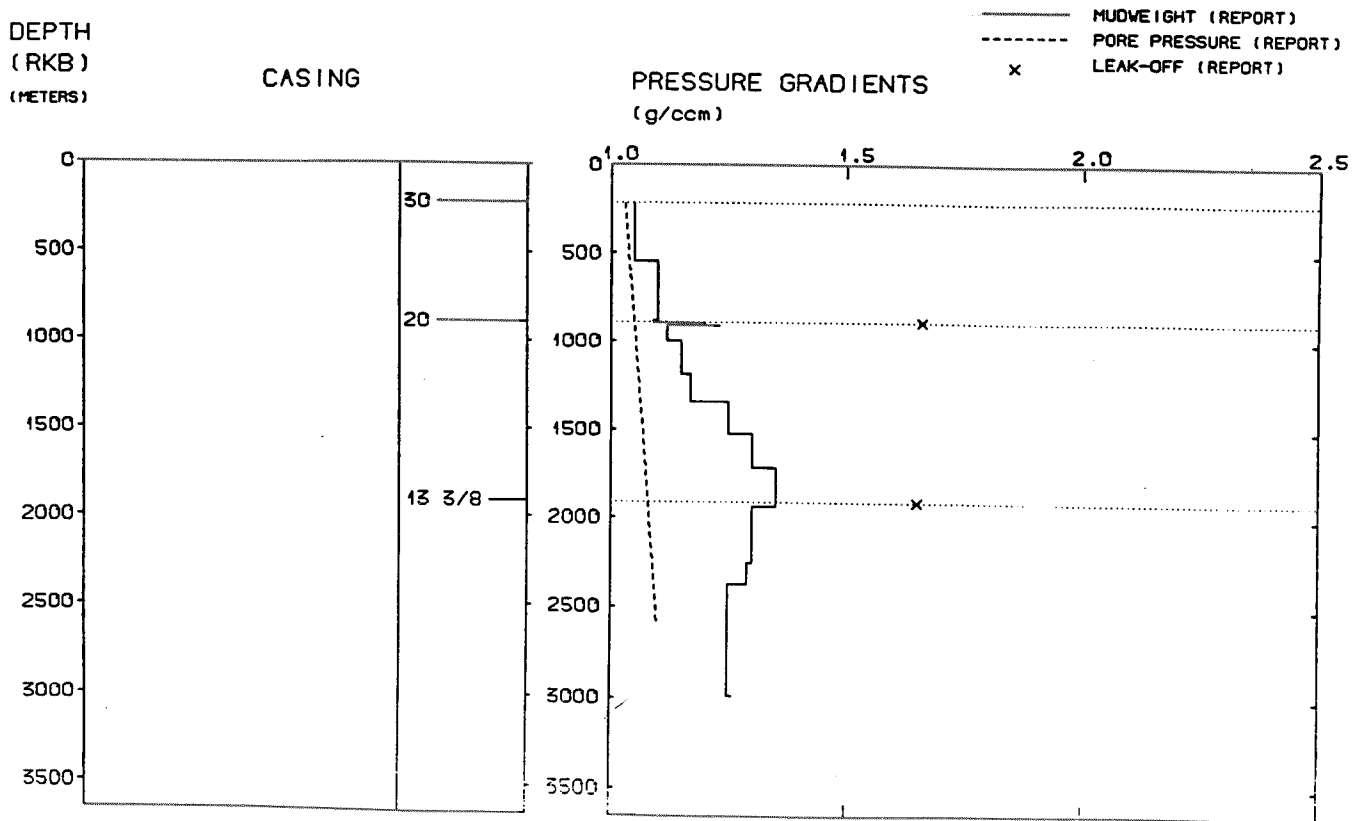
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
TRIP	1200	20.00	34.93
CIRC/COND	135	2.25	3.93
CEMENT PLUG	675	11.25	19.65
PERFORATE	150	2.50	4.37
EQUIP RECOVERY	1005	16.75	29.26
CUT	270	4.50	7.86
TOTAL	3435	57.25	

DEPTH V.S. TIME FOR WELLS:



WELL: 003009 05 PRESSURE COMPOSITE PLOT



WELL HISTORY 30/9-5 S

GENERAL:

Wildcat well 30/9-5 S was drilled on the J-prospect, which is a rather flat structural feature close to the western margin of the Horda Platform. The structure is bounded by jurassic strata dipping down into the north, east and south, and by the Horda Platform fault to the west.

The objectives of the well were possible hydrocarbon accumulations in the Etive Formation and in sandstones of the Brent group. Other objectives were possible hydrocarbons in sandstones in the Heather-, Drake- and Cook Formations.

OPERATIONS:

The well was spudded 27 May 1985 by the semi-submersible rig Treasure Seeker.

Due to shallow gas indications the well was spudded approximately 150 m from the planned position, and was then deviated to reach the planned target. Kick-off point was at 1000 m.

No significant problems occurred while drilling.

Two cores were cut; 1 each in Statfjord Formation and Cook Formation.

A 7 m gas column was encountered in Cook Formation.

TESTING:

The well was not tested.

GEOLOGICAL TOPS

WELL: 30/09-05 S

	Depth m (RKB)
<i>Nordland Group</i>	128,0
<i>Utsira Fm</i>	644,0
<i>Hordaland Group</i>	815,0
<i>Rogaland Group</i>	1920,0
<i>Balder Fm</i>	1920,0
<i>Sele Fm</i>	1969,0
<i>Lista Fm</i>	2018,0
<i>Våle Fm</i>	2157,0
<i>Shetland Group</i>	2161,0
<i>Brent Group</i>	2236,0
<i>Dunlin Group</i>	2253,0
<i>Drake Fm</i>	2253,0
<i>Cook Fm</i>	2447,0
<i>Burton Fm</i>	2466,0
<i>Amundsen Fm</i>	2527,0
<i>Statfjord Fm</i>	2604,0
<i>Hegre Group</i>	2872,0
<i>T.D.</i>	2980,0