

Well no : 7/ 8-04 Operator : CONOCO

Coordinates : 57 15 28.03 N UTM coord. : 6346368 N
 02 25 46.23 E 465582 E

Licence no : 69 Permit no : 446

Rig : NORTRYM Rig type : SEMI-SUB.

Contractor : GOLAR-NOR OFFSHORE A/S

Bottom hole temperature : 149.4 deg.C Elev. KB : 25 M

Spud. date : 84.12.11 Water depth : 82 M

Compl. date : 85.02.20 Total depth : 4400 M

Spud. class : WILDCAT Form. at TD : TRIASSIC

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

Seisloca : NHCN 82-119,SP. 386+NHCN 82-309,SP. 1095

LICENSEES

5.000000 BP PETROLEUM DEVELOPMENT OF NORWAY A.S
 25.000000 NORSKE CONOCO A/S
 5.000000 DEMINEX (NORGE) A/S
 15.000000 NORSK HYDRO PRODUKSJON 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
CONDUCTOR	30	204.0	36	205.0	
SURF.COND.	20	607.0	26	619.0	1.64
INTERM.	13 3/8	1946.0	17 1/2	1963.0	1.93
INTERM.	9 5/8	3796.0	12 1/4	3808.0	2.23
OPEN HOLE			8 1/2	4400.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	3825.5 - 3831.5	6.0	96.0	E CRETACEOUS/TRIASSIC
2	3831.5 - 3859.0	27.5	100.0	TRIASSIC

MUD PROPERTIES

Depth below KB meter	Mud weight g/cm ³	Plastic viscosity mPa.s	Mud type
175.000	1.07		WATER BASED
619.000	1.13		WATER BASED
830.000	1.19	20.0	WATER BASED
1241.000	1.39	25.0	WATER BASED
1534.000	1.50	27.0	WATER BASED
1963.000	1.57	23.0	WATER BASED
1970.000	1.60	23.0	WATER BASED
2119.000	1.54	28.0	WATER BASED
2194.000	1.48	30.0	WATER BASED
3128.000	1.47	26.0	WATER BASED
3196.000	1.48	26.0	WATER BASED
3571.000	1.44	27.0	WATER BASED
3617.000	1.54	27.0	WATER BASED
3825.500	1.74	38.0	WATER BASED
4347.000	1.68	31.0	WATER BASED
4400.000	1.67	28.0	WATER BASED
4130.000	1.72	33.0	WATER BASED
4140.000	1.71	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
Cutting	200 - 4400	440
Wet Samples	200 - 4397	600

SHALLOW GAS

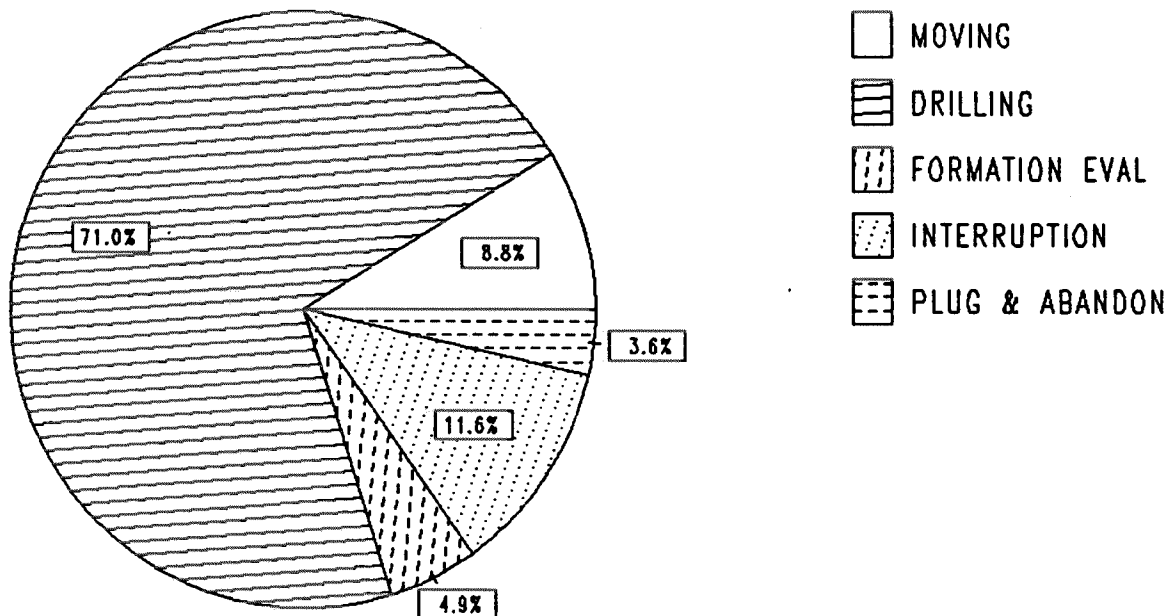
Interval below KB	REMARKS
	NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
ISF SLS MSFL SP GR	205 - 612	X	X
ISF SLS MSFL SP	607 - 1958	X	X
ISF SLS MSFL	1946 - 3812	X	X
ISF SLS MSFL	3795 - 4403	X	X
LDL CNL	607 - 1953	X	X
LDL CNL	1946 - 3812	X	X
LDL CNL	3795 - 4404	X	X
CDM AP	3796 - 4404	X	X
SHDT	3795 - 4405	X	
TEMPERATURE	107 - 1918	1:2000	X
TEMPERATURE	107 - 3694	1:2000	X
MUD	204 - 4400		X
VELOCITY	205 - 4403	1:1000	X
(+ Synthetic Seismogram, 10 cm/s,		3 stk)	
(+ Synthetic Seismogram, Marine, 10 cm/s,		1 stk)	
(+ V.S.P., 10 cm/s,		7 stk)	
(+ Airgun Well Velocity Survey and Calibr. log Data,		1 stk)	
(+ Two Way Travel Time, 10 cm/s,		1 stk)	

DAILY DRILLING REPORT SYSTEM

Main operation : 07/08-04



Total : 1944 HRS

Main operation	Minutes	Hours	% of total
MOVING	10290	171.50	8.82
DRILLING	82827	1380.45	71.01
FORMATION EVAL	5763	96.05	4.94
INTERRUPTION	13560	226.00	11.63
PLUG & ABANDON	4200	70.00	3.60

MAIN OPERATIONS WELL: 07/08-04

MAIN OPERATION: DRILLING

Sub operations	Min	Hrs	% of total
BOP/WELLHEAD EQ	8310	138.50	10.03
TRIP	18780	313.00	22.67
CASING	7710	128.50	9.31
OTHER	1530	25.50	1.85
HOLE OPEN	1050	17.50	1.27
DRILL	41397	689.95	49.98
CIRC/COND	1890	31.50	2.28
SURVEY	870	14.50	1.05
REAM	1290	21.50	1.56
TOTAL	82827	1380.45	

MAIN OPERATION: MOVING

Sub operations	Min	Hrs	% of total
TRANSIT	8640	144.00	83.97
ANCHOR	1650	27.50	16.03
TOTAL	10290	171.50	

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	Hrs	% of total
LOG	3450	57.50	59.86
TRIP	510	8.50	8.85
CORE	1710	28.50	29.67
OTHER	30	0.50	0.52
CIRC SAMPLES	63	1.05	1.09
TOTAL	5763	96.05	

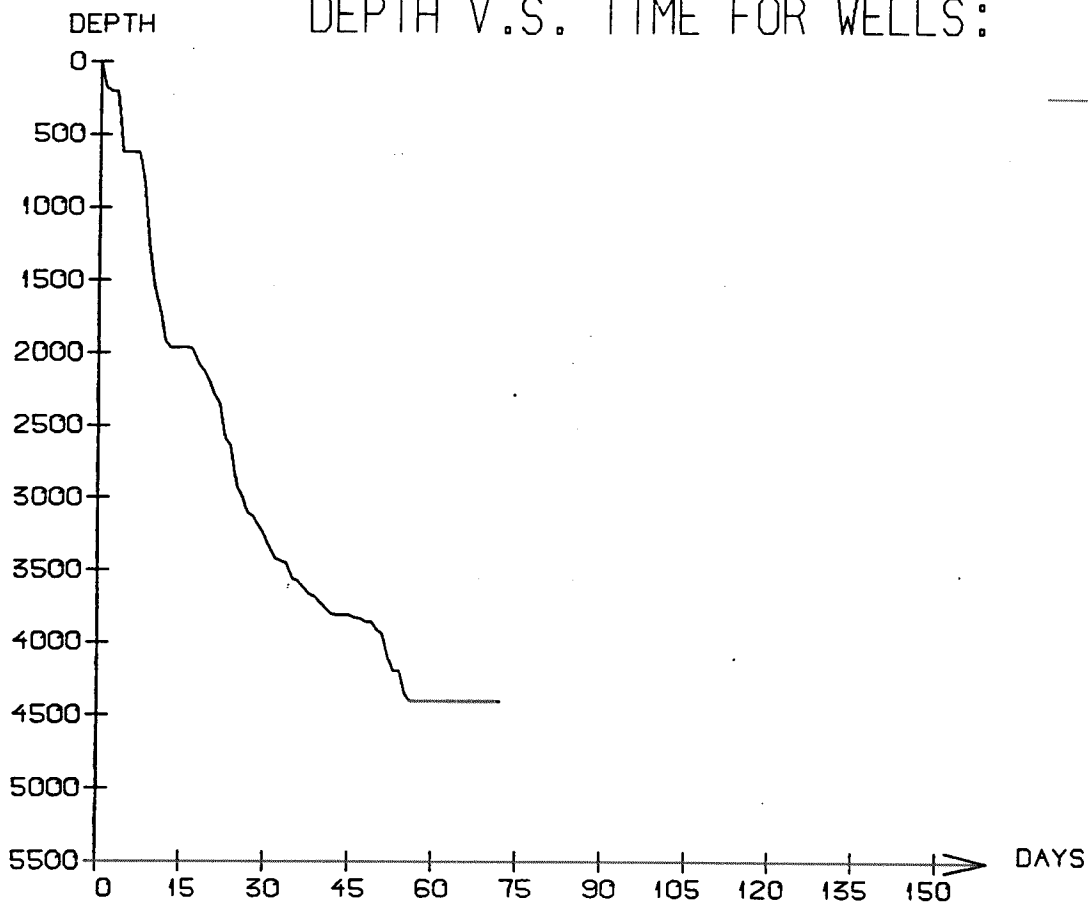
MAIN OPERATION: INTERRUPTION

Sub operations	Min	Hrs	% of total
MAINTAIN/REP	1380	23.00	10.18
FISH	7200	120.00	53.10
WELL CONTROL	960	16.00	7.08
OTHER	60	1.00	0.44
SIDETRACK	3450	57.50	25.44
WAIT	510	8.50	3.76
TOTAL	13560	226.00	

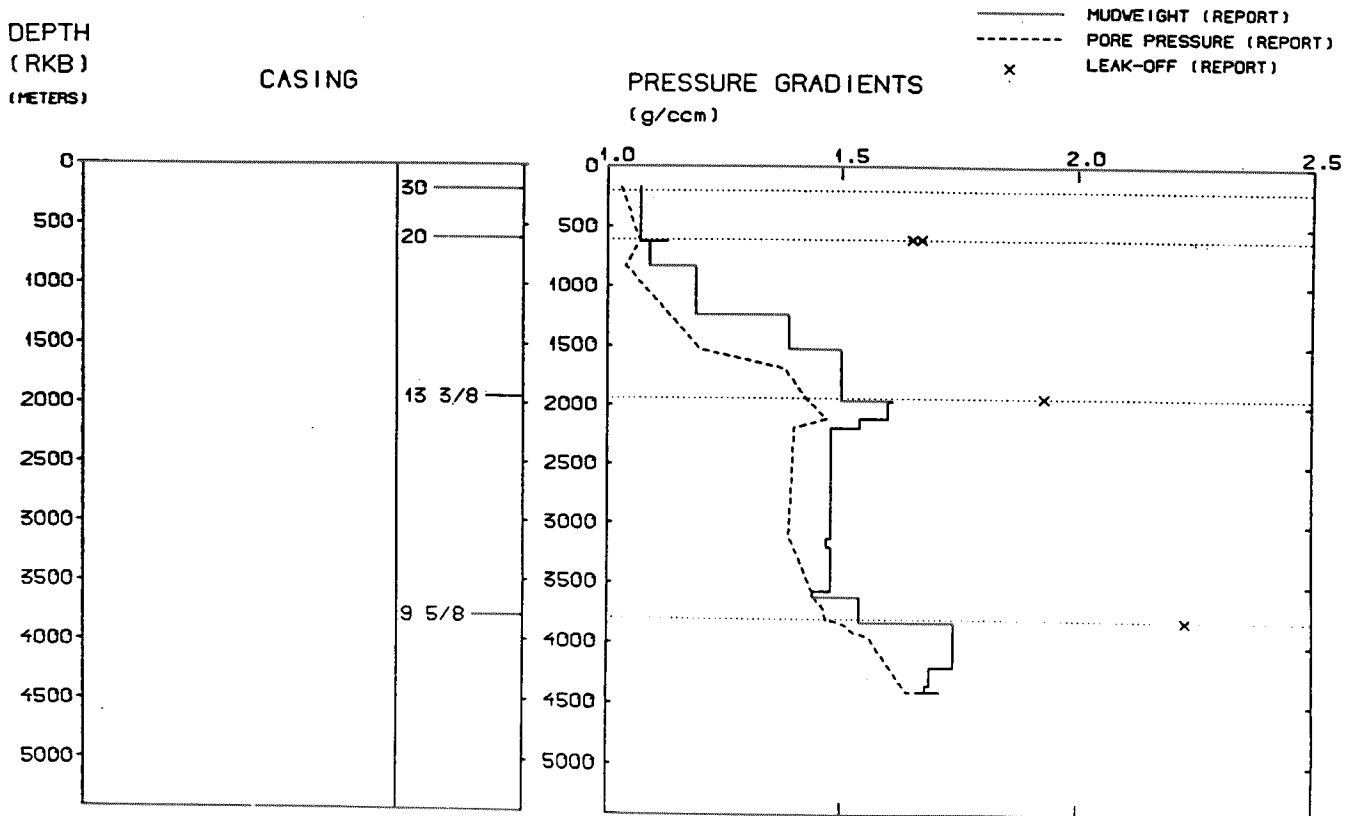
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	Hrs	% of total
TRIP	1380	23.00	32.86
CIRC/COND	180	3.00	4.29
CEMENT PLUG	780	13.00	18.57
MECHANICAL PLUG	420	7.00	10.00
PERFORATE	300	5.00	7.14
EQUIP RECOVERY	660	11.00	15.71
CUT	360	6.00	8.57
OTHER	120	2.00	2.86
TOTAL	4200	70.00	

DEPTH V.S. TIME FOR WELLS:



WELL: 000708 04 PRESSURE COMPOSITE PLOT



WELL HISTORY 7/8-4

GENERAL:

Wildcat well 7/8-4 was drilled on the northern flank of the Central Graben. The prospect was a structural/stratigraphic trap situated on the north flank of a high standing Triassic fault block. The updip limit of the potential reservoir is defined by depositional pinch out.

The well was designed to test Upper Jurassic sand, a secondary prospect is sandbodies in Triassic.

OPERATIONS:

The well was spudded 11 December 1984 by the semi-submersible rig Nortrym.

Problems with gumbo and keeping the hole clean were experienced. A weighted KCL polymer mud was used to keep the hole open and prevent shale spalling.

From 4192 m onwards, problems of tight hole was experienced with the drillstring becoming permanently stuck at 4400 m.

Differential sticking was thought to be the problems, so the mudweight was reduced to compensate for this.

The sandstone was reached at a depth of 3899,5 m RKB (Loggers depth) 18 m above prognosed depth and was oil bearing.

While attempting to free the pipe the well started to flow but this was quickly stopped by raising the mudweight.

While pulling out of the hole the drillpipe got stuck with the bit at 4382 m. The pipe was unscrewed at 4250 m and during fishing operations two more sections of pipe were lost in the hole, one with the top at 4192 m, the other at 4183 m.

The operator then decided on a sidetrack, and the hole was cemented back to 4130 m and a sidetrack was kicked off from 4140 m.

No hydrocarbon indications were registered in the well. Two cores were cut.

GEOLOGICAL TOPS

WELL: 7/08-04

	Depth m (RKB)
<i>Nordland Group</i>	107,0
<i>Hordaland Group</i>	1450,0
<i>Rogaland Group</i>	2954,0
<i>Balder Fm</i>	2954,0
<i>Sele Fm</i>	2989,0
<i>Lista Fm</i>	3040,0
<i>Maureen Fm</i>	3099,0
<i>Shetland Group</i>	3125,0
<i>Ekofisk Fm</i>	3125,0
<i>Tor Fm</i>	3186,0
<i>Hod Fm</i>	3529,0
<i>Blodøks Fm</i>	3696,0
<i>Hidra Fm</i>	3705,0
<i>Cromer Knoll Group</i>	3728,0
<i>Rødby Fm</i>	3728,0
<i>Sola Fm</i>	3766,0
<i>Tyne Group</i>	3816,0
<i>Mandal Fm</i>	3816,0
<i>"Triassic -Group"</i>	3826,0
<i>Skagerak Fm</i>	3826,0
<i>Smith Bank Fm</i>	4091,0
<i>TD=</i>	4400,0