

Well no : 2/ 3-04 Operator : GULF

Coordinates : 56 46 45.61 N UTM coord. : 6293254 N
 03 48 27.89 E UTM zone 31 549360 E

Licence no : 022 Permit no : 418

Rig : GLOMAR MORAY F.I Rig type : JACK-UP

Contractor : GLOBAL MARINE DRILLING COMPANY

Bottom hole temperature : 109 deg.C Elev. KB : 38 M

Spud date : 84.05.28 Water depth : 56 M

Compl. date : 84.07.24 Total depth : 3386 M

Spud class. : WILDCAT Age at TD : PERMIAN

Compl. class. : P&A. DRY HOLE

Seis. loc. : SG 8252 - 374 SP. 185

LICENSEES

47.045 NORSKE GULF PRODUCTION CO A/S
 6.028 NORSKE MURPHY OIL COMPANY
 6.028 NORSKE OCEAN EXPLORATION COMPANY
 3.345 K/S A/S POLARIS OIL CONSORTIUM
 11.000 DEN NORSKE STATS OLJESELSKAP A.S
 26.554 WINTERSHALL NORGE 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	183.5	36	335.3	
SURF.COND.	20	644.5	26	650.5	1.49
INTERM.	13 3/8	1770.6	17 1/2	1786.0	1.74
INTERM.	9 5/8	2963.9	12 1/4	2967.8	1.92
OPEN HOLE			8 1/2	3386.0	

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recovery		Series
		M	%	
1	3125.4 - 3144.3	18.9	99.9	UPPER JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weigh g/cm ³	Plastic viscosity mPa.s	Mud type
128.3	1.04		WATER BASED
425.0	1.06		WATER BASED
638.5	1.14	33.0	OIL BASED
1213.4	1.26	31.0	OIL BASED
1770.6	1.38	37.0	OIL BASED
2157.4	1.40	32.0	OIL BASED
2563.1	1.41	39.0	OIL BASED
2967.8	1.49	35.0	OIL BASED
3000.8	1.53	36.0	OIL BASED
3125.4	1.56	36.0	OIL 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 - 3368	500
WET SAMPLES	200 - 3386	660

SHALLOW GAS

INTERVAL BELOW KB	REMARKS
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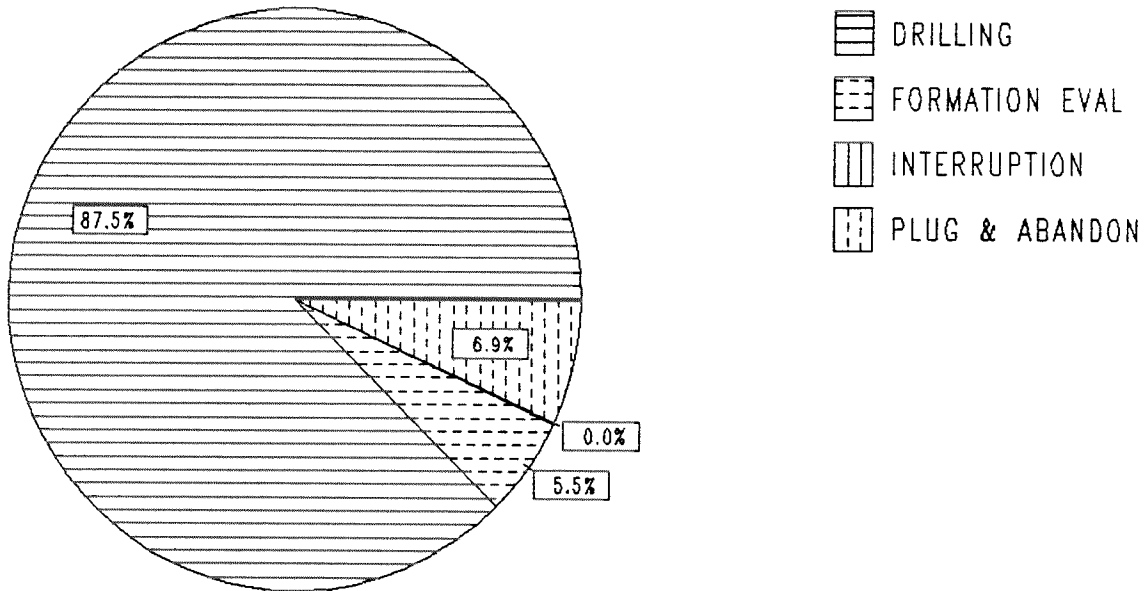
NONE

AVAILABLE LOGS

LOG TYPE	INTERVALS	1/200	1/500
DIFL BHC AC GR	611 - 1764	X	X
DIFL BHC AC	1685 - 2965	X	X
DIFL BHC AC	2959 - 3139	X	X
DIFL BHC	3060 - 3381	X	X
CDL	611 - 1749	X	X
CDL CNL	1685 - 2965	X	X
CDL CNL	2959 - 3139	X	X
CDL CNL	3060 - 3381	X	X
CDM	2959 - 3383	X	
CDM AP	2959 - 3383	X	X
4-ARM CALIPER LOG GR	157 - 648	X	X
FMT	3019 - 3354		X
TEMPERATURE	20 - 620		X
TEMPERATURE	500 - 2940		X
MUD	95 - 3384		X
VELOCITY	611 - 3381	1:1000	X
(+ Airgun Well Velocity Survey and Calibr. log data, 1 stk)			
(+ Synthetic Seismogram, Marine, 10 cm/s, 1 stk)			
(+ Synthetic Seismogram, 10 cm/s, 2 stk)			
(+ V.S.P., 10 cm/s, 7 stk)			

DAILY DRILLING REPORT SYSTEM

Main Operation : 02/03-04



Total : 1344.00 HRS

Main operation	Minutes	Hours	% of total
DRILLING	70560	1176.00	87.5
FORMATION EVAL	4440	74.00	5.5
INTERRUPTION	60	1.00	0.0
PLUG & ABANDON	5580	93.00	6.9

MAIN OPERATION: DRILLING

Sub operations	Min	% of total
TRIP	16740	23.72
DRILL	25260	35.80
CIRC/COND	3210	4.55
CASING	12060	17.09
BOP ACTIVITIES	5910	8.38
BOP/WELLHEAD EQ	6270	8.89
OTHER	420	0.60
REAM	450	0.64
SURVEY	240	0.34
TOTAL	70560	100.00

MAIN OPERATION: FORMATION EVAL

Sub operations	Min	% of total
LOG	4170	93.92
CORE	270	6.08
TOTAL	4440	100.00

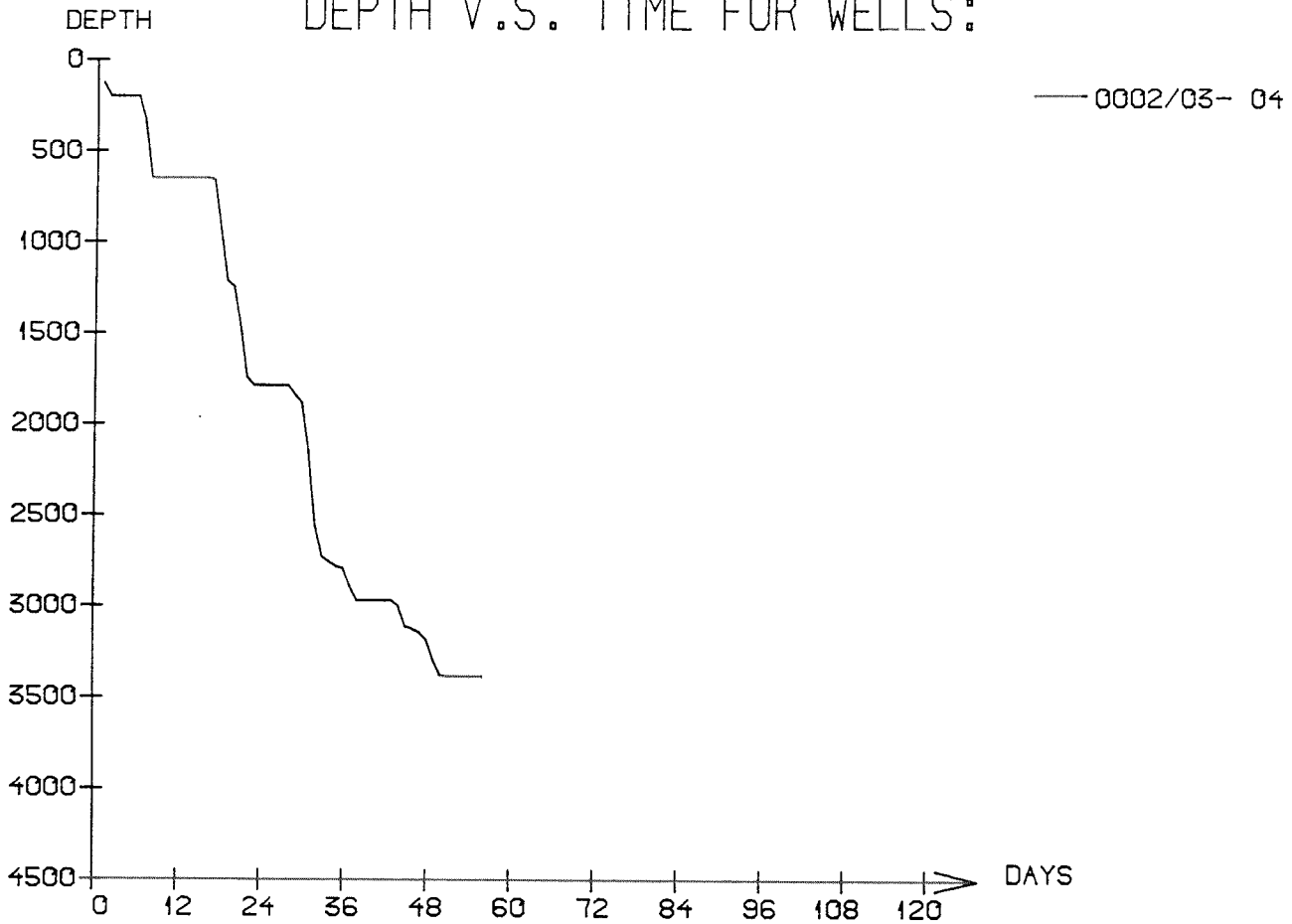
MAIN OPERATION: INTERRUPTION

Sub operations	Min	% of total
MAINTAIN/REP	60	100.00
TOTAL	60	100.00

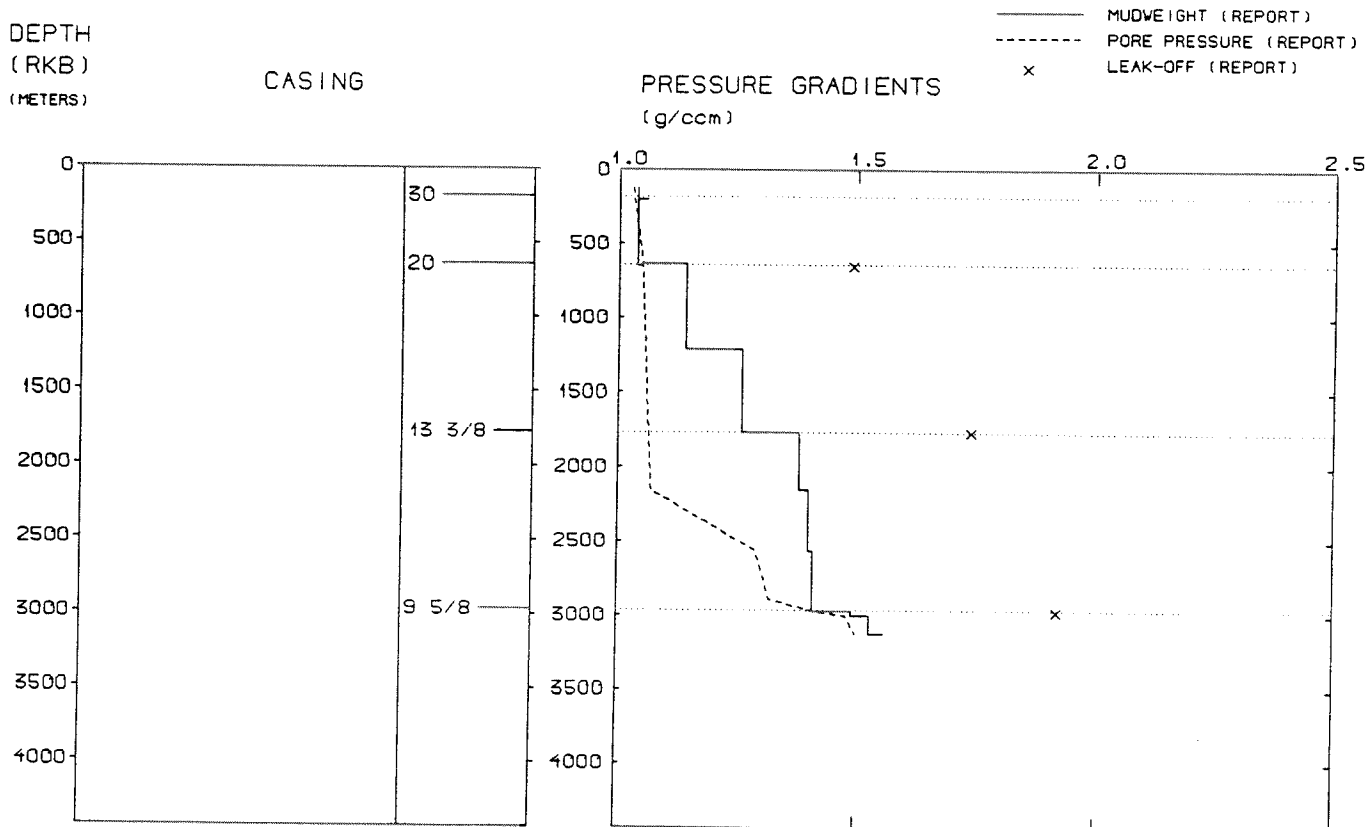
MAIN OPERATION: PLUG & ABANDON

Sub operations	Min	% of total
TRIP	1950	34.95
CIRC/COND	570	10.22
CEMENT PLUG	540	9.68
MECHANICAL PLUG	300	5.38
EQUIP RECOVERY	1950	34.95
OTHER	270	4.84
TOTAL	5580	100.00

DEPTH V.S. TIME FOR WELLS:



WELL: 000203 04 PRESSURE COMPOSITE PLOT



WELL HISTORY - 2/3-4

GENERAL:

The primary objective of the wildcat 2/3-4 was to test structural closure of the Upper Jurassic Ula Formation sandstone. Secondary objectives were an Oligocene sand and the chalk reservoir. No hydrocarbons were encountered by this well.

OPERATIONS:

The wildcat 2/3-4 was spudded 24.07.84 by the jack-up rig Glomar Moray Firth I. One core was cut in the Upper Jurassic sequence. Some swelling of the Miocene clay occurred during drilling of the 17 1/2" hole. No other major problems occurred. The well was drilled using water based mud in the 36" and 26" hole sections. The rest of the well was drilled using oil based mud.

TESTING:

The well was not tested.

GEOLOGICAL TOPS

WELL: 2/ 3-04

	Depth m (RKB)
<i>Nordland Group</i>	94.600
<i>Hordaland Group</i>	1434.000
<i>Rogaland Group</i>	2527.000
<i>Balder Fm</i>	2527.000
<i>Sele Fm</i>	2548.000
<i>Lista Fm</i>	2592.000
<i>Våle Fm</i>	2613.500
<i>Shetland Group</i>	2719.500
<i>Ekofisk Fm</i>	2719.500
<i>Tor Fm</i>	2797.000
<i>Cromer Knoll Group</i>	2925.000
<i>Rødby Fm</i>	2925.000
<i>Åsgard Fm</i>	2930.500
<i>Vestland Group</i>	3006.000
<i>Ula Fm</i>	3006.000
<i>Bryne Fm</i>	3215.000
<i>Triassic</i>	3332.000
<i>Smith Bank Fm</i>	3332.000
<i>Zechstein Group</i>	3378.000
<i>TD =</i>	3386.000