Riq

well no: 30/9-03 operator: HYDRO

Coordinates : 60 28 16.33 N

02 45 37.55 E

UTM coord. : 6704071 N UTM zone 31 486827 E

Licence no : 079

Permit no

Rig type

: SEMI-SUB.

: 400

Contractor : GOLAR-NOR OFFSHORE A/S

Bottom hole temperature : 57 deg.C

: NORTRYM

Elev. KB : 25 M

Spud date : 83.12.31

Water depth : 110 M

Compl. date : 84.03.06

Total depth : 3113 M

Spud class. : WILDCAT

Age at TD : JURASSIC

Compl. class. : P&A. OIL DISCOVERY

Seis. loc. : NH 82 - 065 SP 377

16.000 NORSK HYDRO PRODUKSJON A.S

10.500 SAGA PETROLEUM A.S.

73.500 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 SURF.COND. INTERM. OPEN HOLE	30 20 13 3/8	221.0 616.0 1699.0	36 26 17 1/2 12 1/4	222.0 625.0 1715.0 3113.0	1.51 1.70

CONVENTIONAL CORES

Core no.	Intervals cored meters	Recov M	very %	Series
		1 0	66.7	MIDDIE TUDICCIC
1	2714.5 - 2716.0	1.0	66.7	MIDDLE JURASSIC
2	2716.0 - 2719.7	3.3	89.2	MIDDLE JURASSIC
3	2719.7 - 2735.5	15.8	100.0	MIDDLE JURASSIC
4	2735.5 - 2753.5	18.0	100.0	MIDDLE JURASSIC
5	2753.5 - 2781.0	27.5	100.0	MIDDLE JURASSIC
6	2781.0 - 2802.0	19.0	90.5	MIDDLE JURASSIC
7	2802.0 - 2824.0	22.0	100.0	MIDDLE JURASSIC
8	2824.0 - 2842.5	17.6	95.1	MIDDLE JURASSIC
9	2842.5 - 2860.5	18.0	100.0	MIDDLE JURASSIC
10	2860.5 - 2870.0	8.9	93.7	MIDDLE JURASSIC
11	2870.0 - 2888.0	18.0	100.0	MIDDLE JURASSIC
12	2888.0 - 2906.5	18.5	100.0	MIDDLE JURASSIC
13	2995.0 - 3008.5	12.5	92.6	MIDDLE JURASSIC
14	3008.5 - 3026.5	18.0	100.0	MIDDLE JURASSIC
15	3026.5 - 3031.0	4.4	97.8	MIDDLE JURASSIC

MUD PROPERTIES

Depth below KB meter	Mud weigth g/cm3	Plastic viscosity mPa.s	Mud type
870.0	1.12	25.0	OIL BASED
1260.0	1.12	28.0	OIL BASED
1385.0	1.12	20.0	OIL BASED
1900.0	1.33	32.0	OIL BASED
2280.0	1.40	30.0	OIL BASED
2360.0	1.41	29.0	OIL BASED
2500.0	1.43	31.0	OIL BASED
2875.0	1.45	35.0	OIL BASED
2975.0	1.44	45.0	OIL BASED
3060.0	1.49	39.0	OIL BASED
3090.0	1.44	38.0	OIL BASED

DRILL STEM TEST

DITTE OTHER THAT

NO DST'S WERE PERFORMED IN THIS WELL

DRILL BIT CUTTINGS AND WET SAMPLES

SAMPLE TYPE	INTERVAL BELOW KB	NUMBER OF SAMPLES
CUTTINGS	220 - 3112	495
WET SAMPLES	220 - 3112	525

SHALLOW GAS

INTERVAL BELOW KB REMARKS

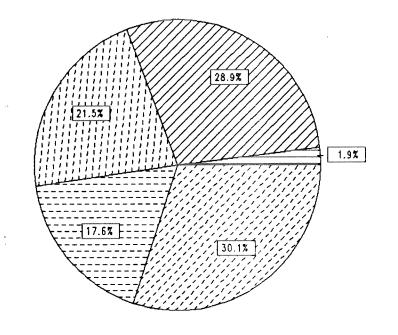
NONE

AVAILABLE LOGS

LOG TYPE	NTERVALS	1/20	0 1/500	
DIFL BHC AC GR (GR:130-226) DIFL BHC AC	226 - 625 615 - 1713	x x	X X	
CDL	615 - 1714	X	X	
MUD	222 - 3113		X	

DAILY DRILLING REPORT SYSTEM

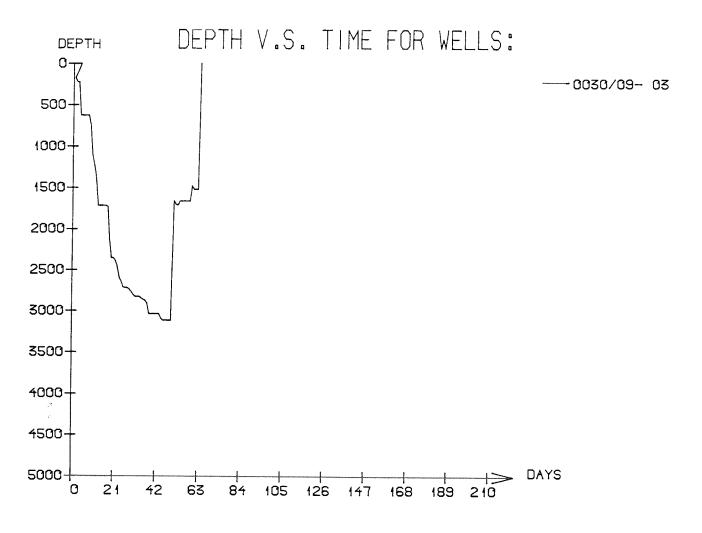
Main operation: 30/09-03

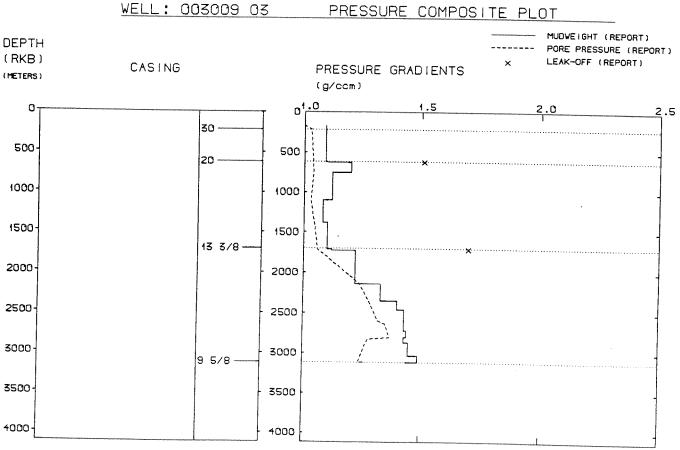


- MOVING
- DRILLING
- FORMATION EVAL
- PLUG & ABANDON
- INTERRUPTION

Total: 1416,50 HRS

Main operation	Hours	% of total
MOVING	27,00	1,91
DRILLING	409,50	28,91
FORMATION EVAL	304,50	21,50
PLUG & ABANDON	249,50	17,61
INTERRUPTION	426,00	30,07





WELL HISTORY - 30/9-3

GENERAL:

The wildcat 30/9-3 was the first well to be drilled on the Gamma West structure. The main objectives were to find hydrocarbon accumulations in the Brent Group and to find additional hydrocarbon accumulations within the Lower Jurassic. The well encountered hydrocarbons in the Middle Jurassic Brent Group sandstones. No other hydrocarbon bearing reservoirs were encountered by this well.

OPERATIONS:

The well 30/9-3 was spudded 31.12.83 by the semi-submersible rig Nortrym. Fifteen cores were cut, all of them in the Brent Group. The well was drilled down into the Drake Formation shales where the pipe got stuck and parted when pulling out of hole for logging. The fish was not recovered. A cement plug was set and the cement was dressed down to 1660 m. The well 30/9-3 was sidetracked as well 30/9-3 A through a window in the 13 3/8" casing at 1539 m. The well was drilled with water based mud in the 36" and 26" hole sections. The mud was displaced to an oil based system after performing the leak off test below the 17 1/2" casing shoe.

TESTING:

No DST's were performed in this well.

GEOLOGICAL TOPS

WELL: 30/ 9-03

	Depth m (RKB)
Nordland Group	200.000
Utsira Fm	600.000
Hordaland Group	850.000
Rogaland Group	2080.000
Lista Fm	2220.000
Våle Fm	2300.000
Shetland Group	2360.000
Viking Group	2655.000
Heather Fm	2655.000
Brent Group	2665.000
Ness Fm	2665.000
Dunlin Group	3045.000
Drake Fm	3045.000
TD =	3113.000
	