

Well no : 6406/ 3-01

Operator : STATOIL

| | | | |
|-------------------------|----------------------------------|-------------|-------------------------------------|
| Coordinates | : 64 45 29.77 N 06 49 21.77 E | UTM coord. | : 7183474 N UTM zone 32 396410 E |
| Licence no | : 091 | Permit no | : 412 |
| Rig | : ROSS ISLE | Rig type | : SEMI-SUB. |
| Contractor | : ROSS DRILLING CO. A/S | | |
| Bottom hole temperature | : 160 deg.C | Elev. KB | : 22 M |
| Spud. date | : 84.04.27 | Water depth | : 256 M |
| Compl. date | : 84.08.14 | Total depth | : 4902 M |
| Spud. class | : WILDCAT | Age at TD | : TRIASSIC |
| Compl. class | : P&A. GAS SHOWS | | |
| Seis. loc. | : 911279 SP. 950 | | |

LICENSEES

| | |
|--------|----------------------------------|
| 45.000 | MOBIL EXPLORATION NORWAY INC. |
| 5.000 | SAGA PETROLEUM A.S. |
| 50.000 | 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 | 30 | 352.0 | 36 | 354.0 | |
| SURF.COND. | 20 | 945.0 | 26 | 962.0 | 1.71 |
| INTERM. | 13 3/8 | 2148.0 | 17 1/2 | 2177.0 | 1.85 |
| INTERM. | 9 5/8 | 3765.0 | 12 1/4 | 3784.0 | 2.07 |
| LINER | 7 | 4470.0 | 8 1/2 | 4505.0 | 2.16 |
| OPEN HOLE | | | 6 | 4902.0 | |

CONVENTIONAL CORES

| Core no. | Intervals cored meters | Recovery | | Series |
|----------|---------------------------|----------|-------|-----------------|
| | | M | % | |
| 1 | 3783.0 - 3794.5 | 11.2 | 98.0 | MIDDLE JURASSIC |
| 2 | 3794.5 - 3822.0 | 27.5 | 99.9 | MIDDLE JURASSIC |
| 3 | 3822.0 - 3847.0 | 25.0 | 97.0 | MIDDLE JURASSIC |
| 4 | 4537.0 - 4548.0 | 11.0 | 100.0 | LOWER JURASSIC |

MUD PROPERTIES

| Depth below KB meter | Mud weight g/cm ³ | Plastic viscosity mPa.s | Mud type |
|----------------------------|------------------------------------|-------------------------------|-------------|
| 292.0 | 1.03 | | WATER BASED |
| 354.0 | 1.06 | 5.0 | WATER BASED |
| 556.0 | 1.08 | 8.0 | WATER BASED |
| 906.0 | 1.10 | 3.0 | WATER BASED |
| 930.0 | 1.11 | 6.0 | WATER BASED |
| 1000.0 | 1.12 | 8.0 | WATER BASED |
| 1570.0 | 1.17 | 15.0 | WATER BASED |
| 1617.0 | 1.18 | 14.0 | WATER BASED |
| 1654.0 | 1.30 | 17.0 | WATER BASED |
| 1750.0 | 1.38 | 18.0 | WATER BASED |
| 2038.0 | 1.53 | 13.0 | WATER BASED |
| 2112.0 | 1.59 | 13.0 | WATER BASED |
| 2160.0 | 1.70 | 14.0 | WATER BASED |
| 2169.0 | 1.59 | 15.0 | WATER BASED |
| 2177.0 | 1.72 | 14.0 | WATER BASED |
| 2180.0 | 1.77 | 17.0 | WATER BASED |
| 2186.0 | 1.70 | 13.0 | WATER BASED |
| 2188.0 | 1.77 | 17.0 | WATER BASED |
| 2351.0 | 1.82 | 22.0 | WATER BASED |
| 2399.0 | 1.85 | 24.0 | WATER BASED |
| 3775.0 | 1.60 | 15.0 | WATER BASED |
| 3782.0 | 1.40 | 12.0 | WATER BASED |
| 3847.0 | 1.87 | 26.0 | WATER BASED |
| 3857.0 | 1.89 | 31.0 | WATER BASED |
| 4498.0 | 1.86 | 21.0 | WATER BASED |
| 4505.0 | 1.74 | 23.0 | WATER BASED |

DRILL STEM TEST

INTERVALS AND PRESSURES

| Test no. | Interval meter | Choke size | Pressure (PSI) | | |
|-------------|-------------------|---------------|----------------|--------|--------|
| | | | FSIP | BTHP | WHP |
| 1.0 | 3787.5 - 3782.5 | 15.9 | | 8499.0 | 1552.0 |

RECOVERY

| Test no. | Oil | Gas | Oil grav. | Gas grav. | GOR |
|-------------|--------------------|----------------------|-------------------|-----------|--------------------------------|
| | Sm ³ /d | M Sm ³ /d | g/cm ³ | rel. air | m ³ /m ³ |
| 1.0 | | 8 | | | |

DRILL BIT CUTTINGS AND WET SAMPLES

| SAMPLE TYPE | INTERVAL BELOW KB | NUMBER OF SAMPLES |
|-------------|----------------------|----------------------|
| CUTTINGS | 350 - 4902 | 700 |
| WET SAMPLES | 360 - 4902 | 470 |

SHALLOW GAS

| INTERVAL BELOW KB | REMARKS |
|----------------------|----------------------|
| 612 M | POSSIBLE SHALLOW GAS |
| 762 M | POSSIBLE SHALLOW GAS |

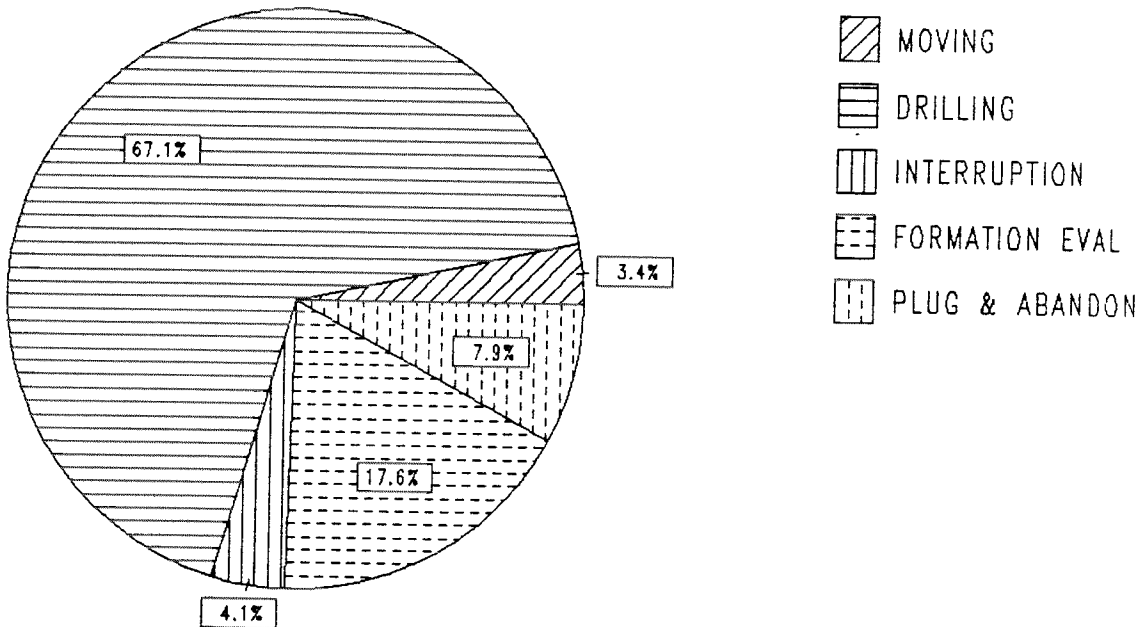
AVAILABLE LOGS

| LOG TYPE | INTERVALS | 1/200 | 1/500 |
|-------------------|-------------|--------|--------|
| ISF LSS MSFL GR | 352 - 958 | X | X |
| ISF LSS MSFL | 942 - 2133 | X | X |
| ISF LSS MSFL | 2147 - 3774 | X | X |
| ISF LSS | 3763 - 3844 | X | X |
| ISF LSS MSFL | 3763 - 4497 | X | X |
| ISF BHC | 4470 - 4902 | X | X |
| LDL | 352 - 960 | X | |
| LDL CNL | 942 - 2159 | X | |
| LDL CNL | 2147 - 3767 | X | |
| LDL CNL | 3763 - 4489 | X | |
| LDL CNL SGR | 4480 - 4908 | X | |
| LDL CNL SGR | 352 - 4903 | | X |
| DLL | 3763 - 4495 | X | X |
| CDM | 4468 - 4900 | X | |
| CDM AP | 4459 - 4900 | X | X |
| SHDT | 2147 - 3772 | X | |
| SHDT | 3763 - 4498 | X | |
| *NGS | 3450 - 3757 | X <==> | X |
| NGS | 3763 - 4463 | X | X |
| NGS | 4480 - 4893 | X | X |
| RFT | 3785 - 4085 | | 1:100 |
| RFT SAMPLE | 3785 - 3832 | | 1:100 |
| CBL VDL CCL | 700 - 2147 | X | |
| CBL VDL | 3000 - 3760 | X | |
| CBL VDL | 2000 - 4467 | X | |
| MUD | 352 - 4902 | | X |
| VELOCITY | 352 - 4902 | | X |
| (* VSP CHECK SHOT | 619 - 3900 | | 1 stk) |

* - BOTH SCALES ON SAME LOG

DAILY DRILLING REPORT SYSTEM

Main operation : 6406/03-01



Total : 2699.00 HRS

| Main operation | Minutes | Hours | % of total |
|----------------|---------|---------|------------|
| MOVING | 5430 | 90.50 | 3.3 |
| DRILLING | 108663 | 1811.05 | 67.1 |
| INTERRUPTION | 6657 | 110.94 | 4.1 |
| FORMATION EVAL | 28440 | 474.00 | 17.5 |
| PLUG & ABANDON | 12750 | 212.50 | 7.8 |

MAIN OPERATION: MOVING

| Sub operations | Min | % of total |
|----------------|------|------------|
| TRANSIT | 2520 | 46.41 |
| ANCHOR | 2910 | 53.59 |
| TOTAL | 5430 | 100.00 |

MAIN OPERATION: DRILLING

| Sub operations | Min | % of total |
|-----------------|--------|------------|
| TRIP | 19950 | 18.36 |
| CASING | 14280 | 13.14 |
| OTHER | 300 | 0.28 |
| DRILL | 49344 | 45.41 |
| CIRC/COND | 6246 | 5.75 |
| SURVEY | 990 | 0.91 |
| REAM | 1860 | 1.71 |
| BOP/WELLHEAD EQ | 5040 | 4.64 |
| WAIT | 180 | 0.17 |
| UNDERREAM | 3420 | 3.15 |
| BOP ACTIVITIES | 3303 | 3.04 |
| PRESS DETECTION | 3750 | 3.45 |
| TOTAL | 108663 | 100.00 |

MAIN OPERATION: INTERRUPTION

| Sub operations | Min | % of total |
|----------------|------|------------|
| MAINTAIN/REP | 2907 | 43.67 |
| OTHER | 1020 | 15.32 |
| LOST CIRC | 90 | 1.35 |
| WELL CONTROL | 660 | 9.91 |
| FISH | 1980 | 29.74 |
| TOTAL | 6657 | 100.00 |

MAIN OPERATION: FORMATION EVAL

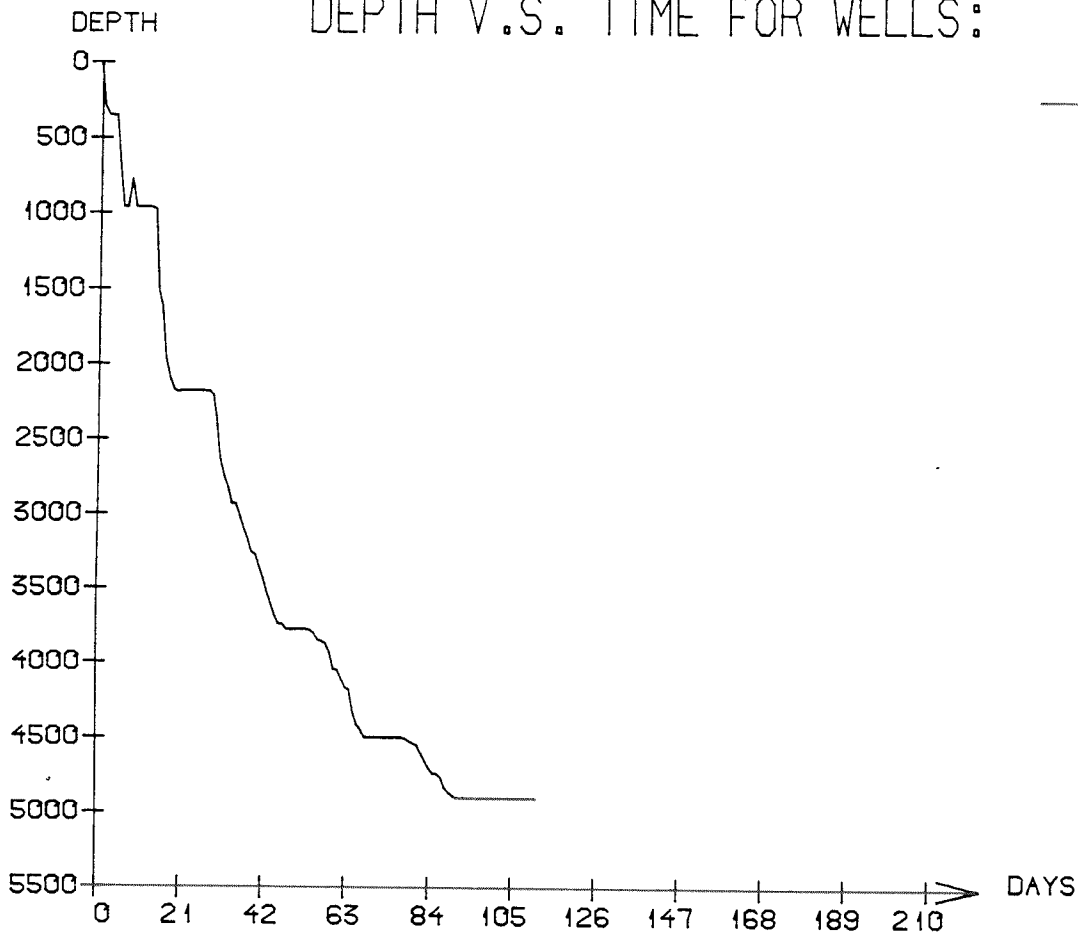
| Sub operations | Min | % of total |
|----------------|-------|------------|
| LOG | 8820 | 31.01 |
| CIRC SAMPLES | 690 | 2.43 |
| CIRC/COND | 1230 | 4.32 |
| TRIP | 5340 | 18.78 |
| CORE | 1800 | 6.33 |
| RFT/FIT | 1410 | 4.96 |
| DST | 9150 | 32.17 |
| TOTAL | 28440 | 100.00 |

MAIN OPERATION: PLUG & ABANDON

| Sub operations | Min | % of total |
|-----------------|-------|------------|
| TRIP | 5070 | 39.76 |
| CIRC/COND | 840 | 6.59 |
| CEMENT PLUG | 600 | 4.71 |
| PERFORATE | 1200 | 9.41 |
| CUT | 630 | 4.94 |
| EQUIP RECOVERY | 2700 | 21.18 |
| OTHER | 390 | 3.06 |
| MECHANICAL PLUG | 780 | 6.12 |
| SQUEEZE | 540 | 4.24 |
| TOTAL | 12750 | 100.00 |

DEPTH V.S. TIME FOR WELLS:

— 6406/03- 01



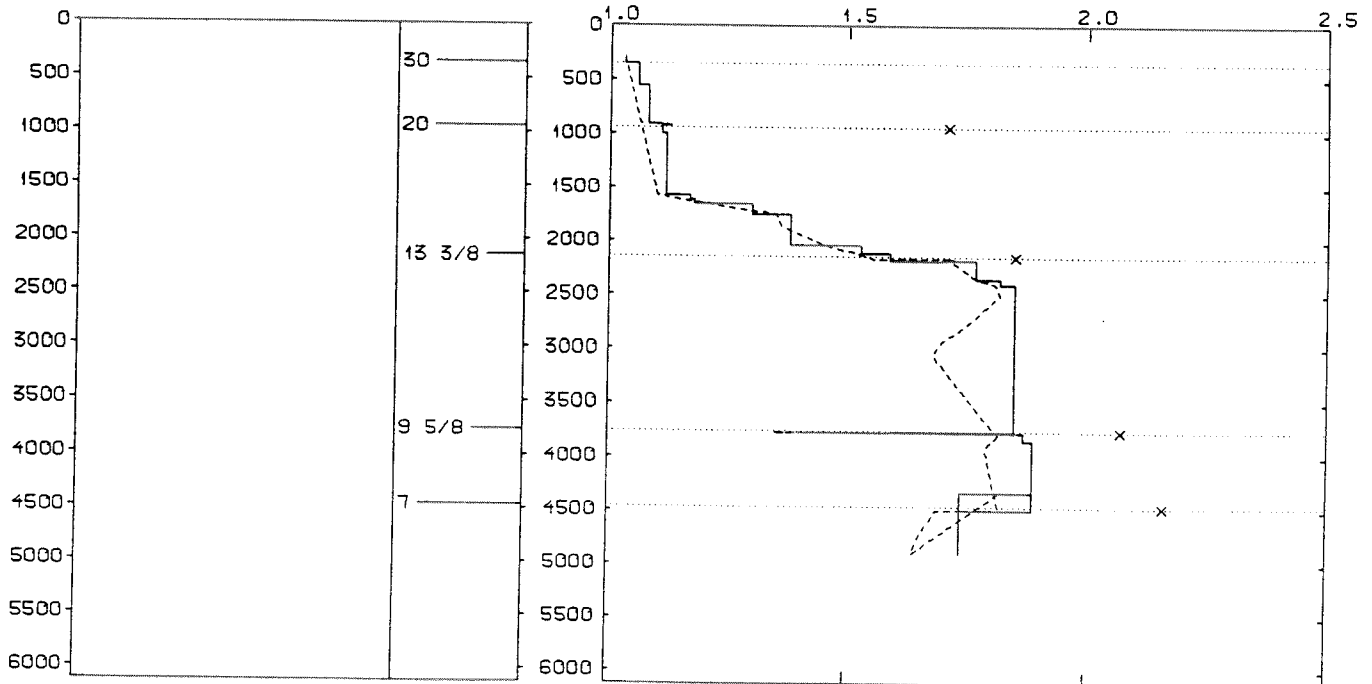
WELL: 640603 01 PRESSURE COMPOSITE PLOT

DEPTH
(RKB)
(METERS)

CASING

PRESSURE GRADIENTS
(g/ccm)

— MUDWEIGHT (REPORT)
 - - - PORE PRESSURE (REPORT)
 x LEAK-OFF (REPORT)



WELL HISTORY - 6406/3-1

GENERAL:

The primary objective of the wildcat 6406/3-1 was to test the reservoir potential of the Middle Jurassic sandstones. Secondary objectives were the Lower Jurassic sandstones, penetration of the Triassic "Grey Beds" and "Red Beds", and the sampling of potential source rocks.

The Middle Jurassic sequence was found water bearing with traces of gas. The well did not encounter other hydrocarbon bearing sequences.

OPERATIONS:

6406/3-1 was spudded 27.04.84 by the semi-submersible rig Ross Isle. Four cores were cut, three of them were cut continuously in the Middle Jurassic sequence, the fourth in Lower Jurassic.

In the 26" hole there were some problems getting the underreamer through the marine riser due to boulders wedging the underreamer arms. Due to high gas readings in the 17 1/2" hole and the formation strength at 20" casing shoe a cement plug was set from 2177 - 2093 m to seal off the high pressure. Partial mudlosses were observed when circulating the 13 3/8" casing volume, no returns were seen during the cement job. Loss of returns also occurred during the cement job in the 12 1/2" hole. The RFT tool got stuck in the 8 1/2" hole but was recovered.

The well was drilled using water based mud.

TESTING:

One DST was performed in the Middle Jurassic sequence. The sequence was water bearing with a low concentration of gas.

GEOLOGICAL TOPS

WELL: 6406/ 3-01

Depth m (RKB)

| | |
|--------------------|----------|
| Nordland Group | 278.000 |
| Naust Fm | 616.000 |
| Kai Fm | 1450.000 |
| Hordaland Group | 1850.000 |
| Brygge Fm | 1850.000 |
| Rogaland Group | 2279.000 |
| Tare Fm | 2279.000 |
| Tang Fm | 2347.000 |
| Shetland Group | 2410.000 |
| Cromer Knoll Group | 3197.000 |
| Viking Group | 3662.000 |
| Spekk Fm | 3662.000 |
| Melke Fm | 3685.000 |
| Fangst Group | 3782.000 |
| Garn Fm | 3782.000 |
| Ile Fm | 3934.000 |
| Båt Group | 4012.000 |
| Ror Fm | 4012.000 |
| Tilje Fm | 4177.000 |
| Åre Fm | 4380.000 |
| Triassic | 4758.000 |
| "Grey Beds" Fm | 4758.000 |
| "Red Beds" Fm | 4864.000 |
| TD = | 4902.000 |