



Wellbore History

GENERAL

The licence area is located in a prolific area in the southern North Sea on the eastern margin of the Feda Graben. Well 2/4-16 was drilled on the eastern margin of the Feda Graben North of the Albuskjell and Ekofisk Fields in the North Sea. Geologically the area consists of three sub-platforms. These are separated by large NW-SE striking normal faults down-faulted to the southwest and stepping down to the Feda Graben in the southern part of the block. The 2/4-16 well is located in the centre of the licence area on the same down faulted segment as the blowout wells 2/4-13, -14 and -15. Well 2/4-16 was temporarily abandoned at 4996 m in the Middle Jurassic Bryne formation due to operational problems. The main objective of well 2/4-16 R was to penetrate the Middle Jurassic and through the Triassic sequence to test for possible hydrocarbon bearing sandstone sequences. The plan was to sidetrack just below the 7 5/8" casing shoe at 4892 m and if operation permitted, to penetrate the complete Triassic sequence and terminate the well in the Zechstein Group evaporites. Planned TD for the well was 5190 + 60 m. If no signs of salt/anhydrite, the maximum TD of the well should be 5250 m.

OPERATIONS AND RESULTS

Well 2/4-16 was re-entered (2/4-16 R) with the semi-submersible installation Treasure Saga on 4 June 1992. The old hole was sidetracked between 4900 to 4930 m and drilled to 4973 m in the Middle Jurassic Bryne Formation where the well was terminated due to extremely high pore pressures in the range 2.16 - 2.17 EMW. One week was spent attempting to bleed off pressure with no success. Analysis of the bleed-off operation showed that it was impossible to reduce the high pore pressure. As the source of the extreme pore pressure is of unknown origin it was decided to stop further drilling and permanently abandon the well.

No conventional logs for formation evaluation were run. No cores were cut and no wire line fluid samples taken.

The well was permanently abandoned on 15 July 1992 as a dry well with shows.

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 2/4-16 R