



Wellbore History

GENERAL

Well 1/9-3 is located in the Feda Graben, close to the UK border southwest in the Norwegian North Sea. The primary objective of the well was to evaluate the Jurassic sandstones. The secondary objective was to appraise and test the hydrocarbon bearing zones of Danian and Maastrichtian age (Shetland Group) encountered in 1/9-1. The well was drilled in two phases, of which Phase I is well bore 1/9-3 and Phase II is well bore 1/9-3 R. This procedure was a requirement from the Norwegian Petroleum Directorate since Dyvi Gamma came directly from the yard and had therefore not accumulated the experience needed to drill the high pressure Jurassic well to a planned TD of 5000 m. Phase II was to be drilled with the rig Dyvi Beta.

OPERATIONS AND RESULTS

Wildcat well was spudded with the semi-submersible installation Dyvi Gamma on 13 August 1977 and drilled to TD at 27871 m in the Hordaland Group. The progress of the drilling was very much delayed due to technical problems on Dyvi Gamma. As a result, also hole problems were increased due to very long exposure in open hole condition. Due to these problems the well bore was terminated after setting the 13 3/8" casing instead of the plan, which was to drill down to the 9 5/8" casing point. The well was drilled with seawater and gel all through.

Several thin sand beds were penetrated in the Hordaland Group between 1610 m and 1737 m. Oil shows were recorded in the uppermost of these, from 1610 m to 1625 m.

No cores were cut and no wire line fluid samples taken in the well bore.

The well was suspended as dry on 27 November 1977.

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 1/9-3