



Wellbore History

GENERAL

The main objective of Well 25/8-5 S was to test the presence of hydrocarbons in both the lower Jurassic Statfjord Formation and in the Paleocene Heimdal Formation in the Elli Prospect. The well was to be drilled as a directional well in order to penetrate the two objectives.

OPERATIONS AND RESULTS

Exploration well 25/8-5 S was spudded with the semi-submersible installation "Dyvi Stena" on 21 July 1994 and was drilled as a deviated well to a total depth of 3395 m (3040.7 m TVD RKB / 2887.7 m TVD SS), 57 m into late Triassic (Rhaetian) sediments of the Smith Bank Formation. The well was drilled vertical down to 1204 m before starting to build angle. It was drilled with seawater and hi-vis pills down to 1215 m and with KCl / polymer / PAC / Glycol from 1215 m to TD.

Top Heimdal Formation was penetrated at 2112.6 m (2050 m TVD SS) at an inclination of 33 degrees and an azimuth of 171 degrees and was found to contain oil. The oil-water contact was estimated at 2158 m (2087 m TVD SS). The well found sands of the Vestland Group at 2836 m (2570 m TVD SS) water-wet and the second objective, Statfjord Formation at 3040 m& (2687.3 m TVD SS) water-wet. The inclination at top Statfjord was 53.6 degrees and azimuth 163.5 degrees. Top Triassic was correlated to be at 3338 (2855.3 m TVD SS). The inclination was 55.2 degrees and azimuth 163.3 degrees at TD. The well was logged with LWD from 270 m to TD. The LWD included GR-Dual Resistivity and Compensated Density/Neutron. Wire line logs were run from 1170 m - 2291 m. Due to difficult hole conditions, it was not possible to run wire line logs below 2423 m. One core was cut in the Heimdal Formation from 2136 m to 2150 m and one core was cut in the Statfjord Formation from 3052 m to 3061 m. A FMT fluid sample was taken at 2133.6 (2067 m TVD SS) m in the Heimdal Formation. The well was suspended on 22 September as an oil discovery (Jotun). It was re-entered (25/8-5 S R) on 27 July 1997 for plugging and permanent abandonment. Permanent abandonment was completed on 3 August 1997.

TESTING

The well was successfully tested in the Heimdal Formation, 2118 - 2149 m and flowed 1073 Sm³/day of 37° API oil through a 128/64 inch choke. The GOR was 38 Sm³/Sm³. No sand or water was produced.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/8-5 SR