



Wellbore History

GENERAL

Well 33/9-3 was drilled on the Statfjord structure on Tampen Spur in the northern North Sea, as a replacement well for the junk well 33/9-2. The primary objective was to provide seismic velocity control for detailed field mapping and to provide additional reservoir data for the Statfjord Field development.

OPERATIONS AND RESULTS

Wildcat well 33/9-3 was spudded with the semi-submersible installation Norskald on 15 September 1974 and drilled to TD at 2992 m in Late Triassic sediments of the Statfjord Group.

The target reservoir Brent Group was encountered at 2411 m. It contained oil all through down to top Dunlin Group at 2599 m. The base of the reservoir was encountered above the oil water contact. The reservoir quality was excellent with average measured core porosity of 29% and measured permeabilities up to 7.7 Darcy.

A total of 152 m core was recovered in 13 cores from the interval 2422.9 m to 2622.2 m in the reservoir section. Total core recovery was 76.1%. Six FIT fluid samples were taken at 2419 m (35.4 °API oil and mud filtrate), 2455 m (38.4 °API oil and mud filtrate), 2422 m (36.4 °API oil, gas and mud), 2423 m (36.6 °API oil and gas), 2534 m (35.6 °API oil and mud filtrate), and 2595 m (water, mud filtrate and trace oil).

The well was permanently abandoned on 14 November as an oil appraisal well.

TESTING

A DST over the interval 2479 to 2481 m did not produce fluids due to tool failure.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 33/9-3