



Wellbore History

GENERAL

The Frigg Field was discovered by well 25/1-1 in 1971 and set in production in May 1977. Well 25/1-8 S was drilled in the summer of 1985 to monitor changes in gas/fluid contact, uncover permeability barriers and pressure gradients in the Frigg Formation, refine the geological model, and provide ties for seismic interpretations. Before production started the Frigg Field fluid contacts were: OWC = 1955.9 m TVD MSL and GOC = 1948.2 m TVD MSL. In July 1985 in 25/1-8 S found the oil-leg to be all swept with the exception of a very thin oil-layer lifted to 1903.5 m TVD MSL, 2 m below the new gas/liquid contact, which was now a gas/water contact (GWC) at 1901.3 m TVD MSL. The objective of the re-entry well 25/1-8 SR was to monitor further changes in the GWC.

OPERATIONS AND RESULTS

Appraisal well 25/1-8 S was re-entered (25/1-8 SR) with the semi-submersible installation Nortrym on 14 February 1987.

The GWC was found at 1898.3 m TVD MSL, only 3.2 m higher than in July 1985. The slow water rise was attributed to a thin shale layer that acted as a barrier for effective drainage.

No cores were cut and no wire line fluid samples were taken.

The well was suspended on 18 February 1987 for later re-entry and monitoring of the reservoir parameters. It is classified as a gas appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/1-8 SR