



Wellbore History

GENERAL

Well 25/1-7 was drilled on the main Frigg structure close to the UK border. The Frigg Field was discovered by well 25/1-1 in 1971. Production from the field started in 1977. A main objective of well 25/1-7 was to establish a reference monitoring station for the production of gas from the Frigg Field. The 25/1-7 R4 was the fourth and last re-entry of the well. The purpose was to log the fluid contacts, and to perform permanent plugging and abandonment.

OPERATIONS AND RESULTS

Appraisal well 25/1-7 R4 was connected and re-entered with the semi-submersible installation West Vanguard on 28 March 1990.

The well was logged (2054.5 - 1913 m) through casing with a Thermal Neutron Decay (TDT) log to determine the fluid contacts. The gas/water contact was found at 1912.2 m MSL, an 8.0 m rise of the water level since April 1989, and a 35.8 m total rise compared to the Frigg pre-production gas/oil contact in the area. A cased hole RFT run was also performed, and the pressure was measured at 1897.2 m, 1919.2 m, 1932.2 m, and at 1961.2 m.

The well was permanently abandoned on 5 April 1990 as a gas appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/1-7 R4