Formation Tops Groups NORDLAND GP TOP <mark>HO</mark>RDALAND GP TOP 1000 FRIGG FM TOP 2000 GP TOP BATER BATED ER PM SS TOP **BALDER FM TOP** HERMOD FM TOP LISTA FM TOP VÅLE FM TOP SHETLAND GP TOP JORSALFARE FM TOP

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 objective of the re-entry 25/1-7 R was to record the fluid contacts.

OPERATIONS AND RESULTS

Semi-submersible installation Nortrym arrived the 25/1-7 location on 8 February 1987. When attempting to connect to the well head a fishing net was found wrapped around it. This was removed, and the well was re-entered (25/1-/ R) on 10 February 1987.

The well was logged (2135 m - 1900 m) through casing with a Thermal Neutron Decay (TDT) log to determine the fluid contacts. The contacts found were: base of deepest gas at 1924 m MSL, top of highest oil at 1929.2 m MSL, and top of highest water at 1931.7 m MSL. From this it was concluded: 1) The gas oil contact has risen at least by 13 m from initial, and about 11 m of this rise occurred since the 19 April 1985; 2) A gas bearing sand zone located above the shaly barrier at -1939 m MSL between 1939 m MSL and 1929 m MSL has been swept; 3) The oil water contact has risen by 19 m since 19 April 1985.

The well was suspended on 26 May 1985 as a gas appraisal well.

TESTING

No drill stem test was performed.

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