



## Wellbore History

### GENERAL

Block 25/7 is situated in the South Viking Graben on the western side of the Utsira High, a basement high that tilts slightly towards the east. The South Viking Graben has an asymmetrical profile bounded in the west by the Brea/Crawford Fault Zone and the Utsira High to the east. The Jotun Field is sitting on a basement terrace stepping up to the Utsira High from the Graben area. Well 25/7-1 drilled in 1986 for a Jurassic target encountered oil shows in thin ratty sands in the Paleocene Hermod Formation.

Exploration well 25/7-4 S was drilled to test the 25/7 Hermod South prospect, a stratigraphic trap comprising of channelised basin floor sandstones of the Paleocene Hermod Formation. The primary objectives of the well were to test the presence of hydrocarbons in the Hermod South prospect and to establish hydrocarbon type(s) and fluid contacts (if present). A secondary objective was to evaluate the Lower Tertiary interval by ensuring that the well penetrates into the Cretaceous.

### OPERATIONS AND RESULTS

Exploration well 25/7-4 S was spudded with the semi-submersible installation "Maersk Jutlander" on 2 June 1997 and drilled to a total depth of 2560 m in the Late Cretaceous Tor Formation. Operations went without problems within the AFE time budget. The well was drilled with seawater and hi-vis pills down to 1195 m and with KCl / Glycol mud from 1195 m to TD. Good quality Hermod sands were encountered at 2018 m (1987 m TVD SS). Also the Heimdal and Ty Formation sands were present. However, no indications of hydrocarbons were found.

No conventional core was cut in and no fluid samples were taken. The well was permanently abandoned as a dry well on 21 June 1997.

### TESTING

No drill stem test was performed.

## LITHOSTRATIGRAPHY & HISTORY FOR WELL: 25/7-4 S