



## Wellbore History

### GENERAL

Wildcat well 6609/7-1 is located in the Nordland I area outside mid Norway. The objective was to test anticipated Late Paleozoic sandstones within the Nordland Ridge.

### OPERATIONS AND RESULTS

Wildcat well 6609/7-1 was spudded with the semi-submersible installation Nordraug on 21 June 1983 and drilled to TD at 1969 m in Pre-Devonian Basement. Mud problems occurred several times during drilling, well flowing and lost circulations occurred from 1500 m to TD. The well was drilled using Seawater/gel down to 1025 m and with Lignosulphonate/Drispac mud from 1025 m to TD.

A thin Eocene sand section was penetrated at 1460 m at Top Hordaland Group. A 2.7% mud gas peak (methane) was recorded in this sand. At 1820 m Late Cretaceous sediments of the Lange Formation (Cenomanian age) was encountered. Below this section, at 1876 m, an undefined section consisting of dolomite and thin sandstone beds was encountered. At this point a 19.8 % mud gas peak was recorded. Metamorphic basement was encountered at 1912 m. Paleozoic sands were absent. No oil shows were recorded in the well. Organic geochemical analyses of cuttings indicated traces of migrated hydrocarbons in the Cretaceous section from 1800 m to 1870 m. Only very poor gas prone source sections were identified in the well, which was found immature for any petroleum generation all through. Two cores were cut in the metamorphic basement. No fluid sample was taken. No sidewall cores were taken.

The well was permanently abandoned on 3 August 1983 as a dry hole.

### TESTING

No drill stem test was performed.

## LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6609/7-1