



## Wellbore History

### GENERAL

Well 6205/3-1 is situated in the northern part of the block on the B-prospect, which is an easterly tilted fault block bounded to the west by a northeast-southwest trending normal fault. The reservoir sequences are truncated at the crest of the fault block. The license area is bounded to the east and south by the Møre-Trøndelag Fault Zone, and to the north by the Jan Mayen fracture zone and the Frøya High. The Gossa High is situated in the western part of the license area at the western boundary of the Møre Basin. Well 6205/3-1 was the first obligation well to be drilled in license 154, and the first to be drilled in the Møre area. No direct correlation to the Haltenbanken or northern North Sea was possible. While the commitment was to drill to 4500 m or to Triassic sediments whichever came first, total depth was planned at 5100 m in Jurassic rocks of the Båt Group. The primary objectives for the well 6205/3-1 were to prove oil in the Jurassic sandstones and to verify the structural and sedimentological inte

### OPERATIONS AND RESULTS

Well 6205/3-1 was spudded on 24 October 1989 with the semi-submersible rig "Mærsk Jutlander" and re-spudded on 29 October after high angle had developed in the surface hole. A kickoff was carried out at 2800 m using bent sub and motor from 2800 to 2886 m in two bit runs due to problems in receiving tool face from MWD. Apart from some experiences with tight hole, drilling went on without any significant problems. The well was suspended at 4300 m in the Lower Cretaceous Åsgard Formation on 11 February 1990 because of environmental restrictions, which prohibited drilling through any formations containing hydrocarbons after 15 February. None of the objective horizons were penetrated. The well was re-entered on 20 September 1990 and was thereafter designated 6205/3-1 R. The bottom of the rathole below the 9 5/8" shoe was encountered 6 m high at 4294 m. The well was drilled to TD of 5264 m on 6 November 1990. The well bores were drilled with spud mud to 1017 m and KCl polymer mud from 1017 m to TD.

Thinly developed Late Jurassic sandstones were encountered, which proved to be water wet. In 6205/3-1 one conventional core was cut in the Åsgard Formation, from 4220 to 4228.4 m. In 6205/3-1 R a total of six cores were cut in Jurassic sediments in the interval 4332 - 5263 m. RFTs were attempted but only one formation pressure and one fluid sample (4337.1 m) were obtained. Well 6205/3-1 R was plugged and abandoned as a dry hole with shows on 30 November 1990.

### TESTING

One production test was performed over the perforated interval 4324.1 - 4344.1 m. Only water was produced to surface during the test. However, gas was brought to surface when reversing out the tubing contents and samples were taken.

## LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6205/3-1