

Wellbore History

GENERAL

Well 9/1-1 S was drilled on the Gardrofa prospect in the Egersund Basin of the North Sea, roughly mid way between the Bream-Brisling Discoveries and the Yme Field. The Gardrofa prospect is created by salt tectonism. The primary objective was to test sandstones within the Middle Jurassic Bryne Formation.

OPERATIONS AND RESULTS

Wildcat well 9/1-1 S was spudded with the semi-submersible installation Bredford Dolphin on 1 October 2011 and drilled to TD at 2533 m (2230 m TVD) in the Late Triassic Skagerrak Formation. A 9 7/8" pilot hole was drilled from 194 m to 759 m to check for shallow gas. No shallow gas was found. The well was planned and drilled deviated to avoid potential high pressure zones in the Paleocene (823 - 900 m). Operations were severely delayed by problems with the BOP. Waiting on necessary parts took a long time, and in addition, retrieving the BOP for repair and then re-running it was delayed by weather. There were problems getting a pressure test on the 20 casing, probably due to a leak through the shoe track. The lower formations in the 12 1/4" section (Sola, Flekkefjord, Sauda, Tau and Egersund formations.) were clearly unstable and produced lots of cavings. This created some problems with setting the casing. The well was drilled with seawater and hi-vis pills down to 745 m and with XP-07 oil based mud from 745 m to TD.

Good sands were observed in the Bryne Formation. These were found to be water wet and no hydrocarbons were observed. No oil shows were observed in the well.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 21 November 2011 as a dry well.

TESTING

No drill stem test was performed.