



Wellbore History

GENERAL

Well 2/2-6 was drilled on the Optimus prospect in the northern part of the Steinbit Terrace in the southern North Sea. The Optimus Prospect is a stratigraphic pinch-out trap on the southern margin of an intra-terrace basin. The primary objectives were the J66 and J62 sandstone sequences of the Late Jurassic Ula formation. These sandstones were penetrated in 2/2-5, with 5 m of net pay oil near the interval base. Sandstone of the J62 interval was penetrated in 2/2-1, with 14 m of net pay oil near the interval base. TD depth was planned 500 m below BCU, above the top Triassic.

OPERATIONS AND RESULTS

Wildcat well 2/2-6 was spudded with the jack-up installation Mærsk Guardian on 27 March 2010. It was plugged back with TOC at 440 m due to lost BHA in the hole after a twist-off. Technical sidetrack 2/2-6 T2 commenced on 6 April 2010 and drilled to a TD of 4105 m in the Late Jurassic Farsund Formation. The well was drilled with seawater down to 216 m, with KCI/GEM mud from 216 m to 1001 m, and with ENVIROMUL oil based mud from 1001 m to TD.

A 3 m thick drape of Mandal Formation was penetrated at 3585 m. No Ula Formation reservoir was present at the drilled location. The targets J66 and J62 were penetrated but contained no reservoir quality sands (mainly siltstones with a few sand stringers assigned to the Farsund Formation). No live hydrocarbons were encountered and no shows were observed.

No cores were cut. No wire line logs were run hence no down-hole fluid samples were taken.

The well was permanently abandoned on 14 May 2010 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 2/2-6