



Wellbore History

GENERAL

The 16/8-3 S Lupin well was drilled in the Ling depression in the North Sea. The Lupin prospect was defined by a tilted horst block with several small internal rotated fault blocks of Permian age. The objective was to prove a commercial accumulation of hydrocarbons in Permian Rotliegendes sandstones.

OPERATIONS AND RESULTS

Wildcat well 16/8-3 S was spudded with the semi-submersible installation Songa Trym on 11 March 2013 and drilled to TD at 3261 m (3243 m TVD) in the Permian Rotliegendes Group. A 9 7/8" pilot hole was drilled to 827 m to check for shallow gas. No shallow gas was seen. The well was drilled with spud mud down to 940 m, with Performadril water based mud from 940 m to 1765 m, and with XP-07 oil based mud from 1765 m to TD.

The well penetrated rocks of Quaternary, Neogene, Paleogene, Cretaceous, Jurassic, and Permian age. The top of the expected main reservoir, the Rotliegendes Group was picked at 3015 m (2998.4 m TVD), 99 m TVD deeper than prognosed. There were no indication of hydrocarbons in the well.

One core (from 2574.5 m to 2584 m) was cut in the shale of the Late Jurassic Draupne Formation in the 12 1/4" section, for rock mechanical studies. No wire line fluid samples were taken.

The well was permanently abandoned on 1 May 2013 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/8-3 S