

Wellbore History

GENERAL

Well 6706/12-2 was drilled to test the Snefrid Nord prospect on the Nyk High in the Norwegian Sea. The primary objective was to prove movable hydrocarbons (gas) in the Nise Formation.

OPERATIONS AND RESULTS

Wildcat well 6706/12-2 was spudded with the semi-submersible Transocean Spitsbergen on 20 February 2015 and drilled to TD at 2754 m in the Late Cretaceous Nise Formation. No significant problem was encountered in the operations. The well was drilled, logged, plugged and abandoned in 29 days. It was drilled with Seawater and hi-vis pills down to 1950 m and with Glydril mud from 1950 m to TD.

The well penetrated Tertiary claystones and limestones, as well as Cretaceous claystones, limestones and sandstones. Top of the Middle Campanian Nise Reservoir was encountered at 2492.6 m. A gas column of 103.4 m and an oil column of 6 m was encountered within the Nise Formation. The oil is biodegraded. A distinct flatspot that crosses the structure is visible in the prospect, and is proven to be a result of the hydrocarbon-water contact.

The ROV measured the temperature at seabed to -0.3°C. One core was cut from 2504 m to 2537.86 m in the Nise Formation reservoir sandstone. MDT fluid samples were taken at 2541 m (gas), 2599 m (oil) and 2650 m (water).

The well was permanently abandoned on 21 March 2015 as a gas and oil discovery.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6706/12-2