



## Wellbore History

### GENERAL

Well 7219/12-3 S was drilled to test the Hurri prospect on the Ringvassøy-Loppa Fault Complex west of the Loppa High in the Barents Sea. The primary objectives were to test the reservoir properties and hydrocarbon potential at Hekkingen Formation/BCU level, and in the Stø Formation. The hydrocarbon potential in the Kolje and Tubåen formations was defined as secondary objectives.

### OPERATIONS AND RESULTS

Wildcat well 7219/12-3 S was spudded with the semi-submersible installation Leiv Eiriksson on 3 December 2017 and drilled to TD at 2750 m (2707 m TVD) in the Late Triassic Fruholmen Formation. The well was drilled S-shaped with inclination up to 22.5° in the overburden between 721 and 1726 m, and vertical from there through all target reservoirs to TD. Restrictions in the hole and a leak in the BOP led to 6 days NPT when running the 9 5/8" casing. Otherwise operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 404 m, with KCl/polymer/GEM mud with 3-4.2% glycol from 404 m to 661 m, and with Performadril mud 3 - 5% glycol from 661 m to TD.

A 67 m thick water-bearing sandstone with poor reservoir quality was encountered at 1980 m (1938 m TVD) in the Kolje Formation. Top Hekkingen Formation was encountered at 2169 m (2127 m TVD). No reservoir was encountered at this level. The Stø Formation was encountered at 2243 m (2201 m TVD) with 100 m water-bearing sandstone of moderate to good reservoir quality. The Nordmela Formation was encountered at 2348 m (2306 m TVD) with a total of 90 m water-bearing sandstone layers of moderate quality. The Tubåen Formation was encountered at 2578 m (2535 m TVD) with 40 m water-bearing sandstone of moderate quality.

Two siltstone SWC's at 1955.1 and 1974.4 m in the lower Kolmule Formation had good oil shows with hydrocarbon odour, oil stain, direct fluorescence, cut fluorescence, and residue fluorescence. The Kolje sandstone (1980 to 2047 m) had direct, cut and residue fluorescence. The Stø Formation sandstone (2243 to 2348 m) had direct, cut and residue fluorescence. Geochemical analysis of an SWC sample at 2245 m confirmed a mature migrated oil show in the Upper Stø Formation.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 17 January 2018 as a dry well with shows.

### TESTING

No drill stem test was performed.

## LITHOSTRATIGRAPHY & HISTORY FOR WELL: 7219/12-3 S