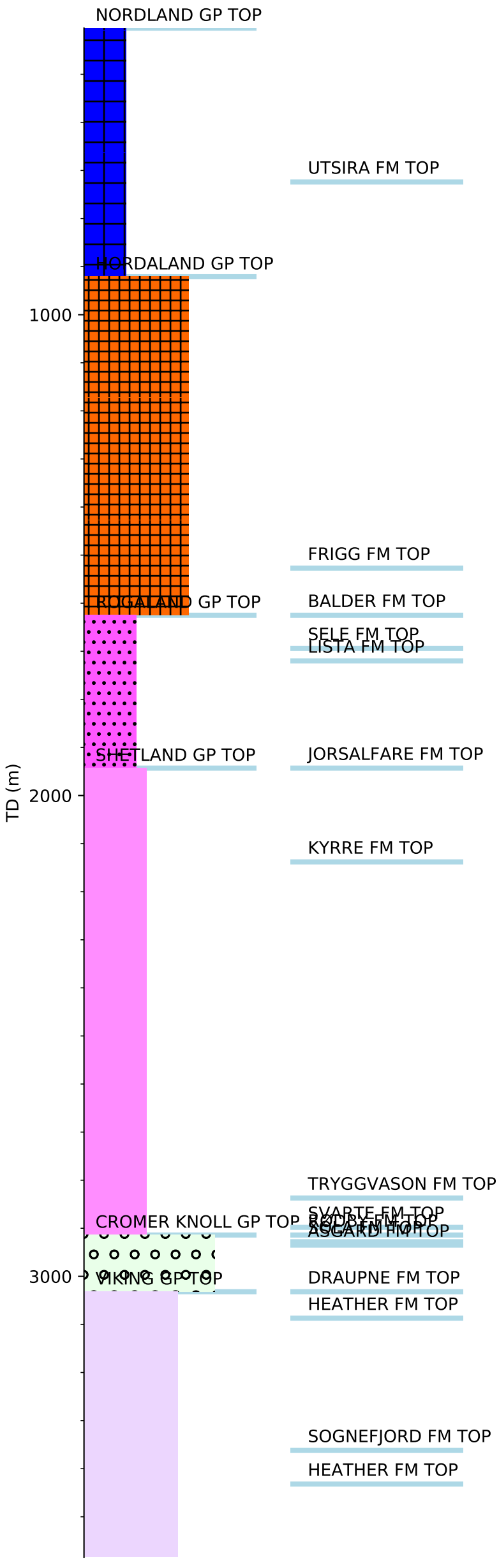

Wellbore History

Wellbore history

GENERAL

Well 35/11-20 S is the replacement well for the junk well 35/11-19 S. It was drilled to test the Late Jurassic Antares and Orion prospects on the Marflo Spur in the North. The primary objective was to test the Antares prospect, a Kimmeridgian age Intra Heather Formation sandstone. Secondary objective was to test the Orion prospect, believed to consist of two Oxfordian age Intra-Heather Formation sandstones.

OPERATIONS AND RESULTS

Wildcat well 35/11-20 S was spudded with the semi-submersible installation Borgland Dolphin on 19 May 2016 and drilled to TD at 3584 m (3468 m TVD) in the Late Jurassic Heather Formation. No significant problem was encountered in the operations. The well was drilled with Seawater and hi-vis pills down to 501 m, with KCl/polymer mud from 501 m to 1098 m, with Performadril water based mud from 1098 m to 1795.5 m, and with Innovert oil based mud from 1795.5 m to TD.

BCU/top Draupne Formation came in at 3032 m with at 48 m TVD thickness. Top Heather Formation came in at 3087 m with a 177 m TVD thickness. Based on TOC and Rock-Eval analyses of cuttings both Draupne and Heather are excellent oil-prone source rocks. The prognosed Kimmeridgian sandstone was not present, but an Oxfordian sandstone was penetrated from 3362 to 3432 m. The top 8 m of this sandstone was oil bearing with an OWC at 3370 m (3272 m TVD) based on logs. Residual hydrocarbons are interpreted throughout the Oxfordian sandstone below the OWC based on CPI analysis and shows on sidewall cores.

No cores were cut. MDT fluid samples were taken at 3366 m (oil), 3369.5 m (oil) and 3418.5 m (water and trace oil).

The well was plugged back for sidetracking on 19 June 2016. It is classified as an oil discovery.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 35/11-20 S