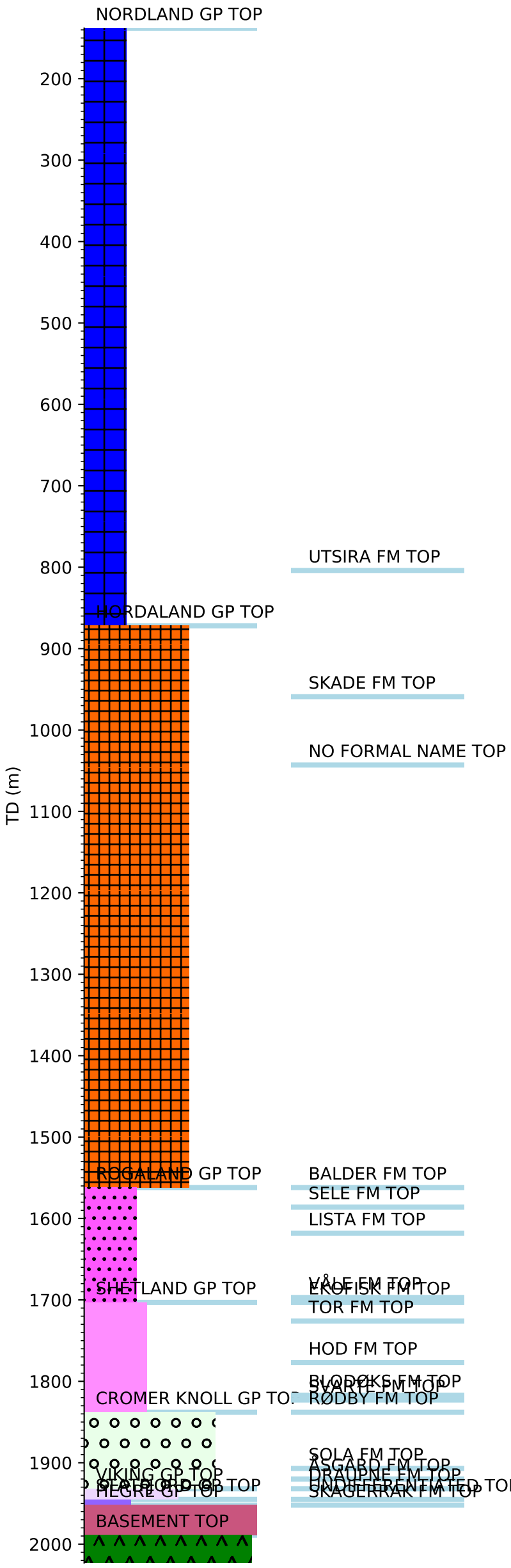
Groups

Formation Tops



Wellbore History

GENERAL

The 16/2-19 Geitungen well was drilled on the northern part of the Johan Sverdrup Field on the Utsira High in the North Sea. The primary objectives were to investigate the reservoir distribution, facies and quality in a more distal and down flank position and different seismic response than the Geitungen discovery well 16/2-12. The well was targeting possible Intra Draupne Formation sandstones to find the oil-water contact and to take water samples to aid the design of Johan Sverdrup production facilities.

OPERATIONS AND RESULTS

Appraisal well 16/2-19 was spudded with the semi-submersible installation Ocean Vanguard on 1 March 2014 and drilled to TD at 2023 m in the granitic basement rock. The well was drilled and cored without any major problems. The well was drilled with spud mud down to 902 m and with XP-07 oil based mud from 902 m to TD.

Intra Draupne sandstone was not encountered in the well. Top Statfjord Group sandstone came in at 1945 m and the upper 5 m was oil filled. Shows were observed from the well site description in the Draupne Formation above the Statfjord reservoir and in the Skagerrak Formation below the OWC, but no shows are observed in the Basement. Gas readings were generally low through the entire well.

Three cores were cut with a total of 68.38 m recovery, starting from lower part of Cromer Knoll Group, through Viking Group, Statfjord Group, Hegre Group and down into the Basement. MDT samples were taken at 1945.13 m (oil with ca 4% OBM contamination), 1949.03 m (oil with ca 18% OBM contamination), and 1951.21 m (water).

Since no Intra Draupne Formation sandstone was encountered in the well, it was decided to drill a sidetrack, 16/2-19 A.

Well bore 16/2-19 was plugged back and prepared for sidetracking on 3 March 2016. It is classified as an oil appraisal well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 16/2-19