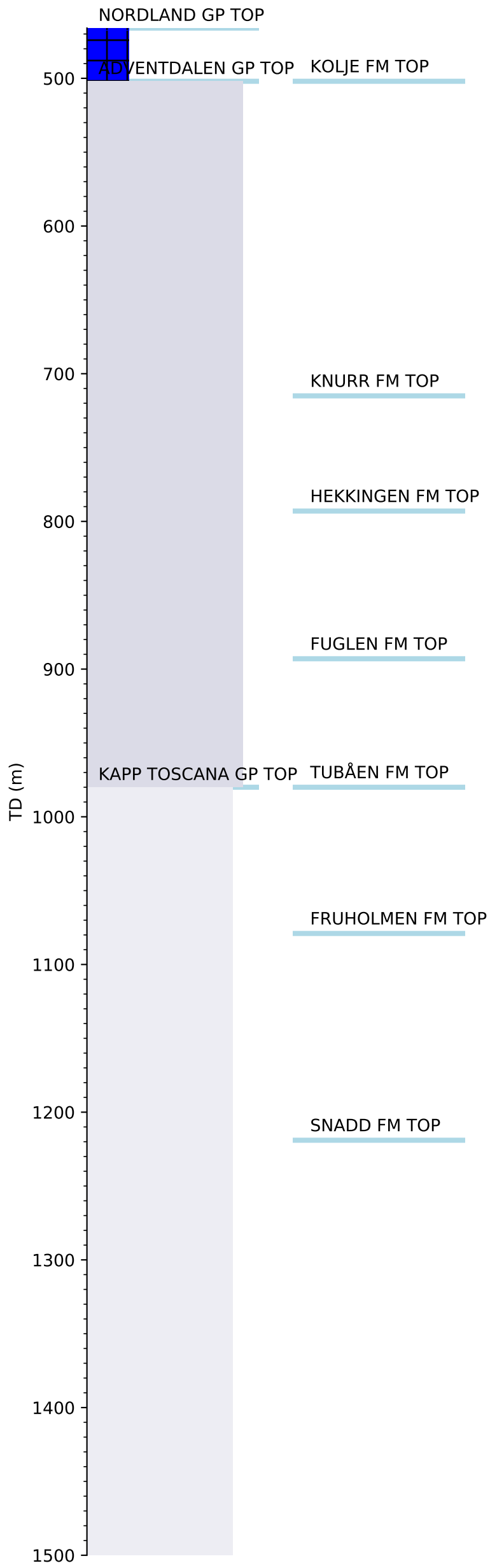
Groups

Formation Tops



Wellbore History

GENERAL

Exploration well 7317/9-1 Koigen Central, and the two associated pilot wells 7317/6-U-1 and 7317/9-U-1, were drilled in the Koigen Central prospect, located on the Stappen High, in the south-western Barents Sea. The primary target was the upper Realgrunnen Subgroup (Stø and Nordmela formations). Secondary targets were the lower Realgrunnen Subgroup (Tubåen and Fruholmen formations), and the Triassic Snadd Formation.

OPERATIONS AND RESULTS

The first pilot hole, 7317/6-U-1, located 4.5 km north of the main well location was designed to gain control of the stratigraphy. It was drilled vertically down to a TD of 1216 m in the Hekkingen Formation. The second pilot hole, 7317/9-U-1, was located ca. 40 m north-north east of the main well. It was drilled vertically down to a TD of 806 m in the Hekkingen Formation, the approximate setting depth of the 13 3/8” casing shoe in the main well. No shallow gas was encountered in the two pilots.

Wildcat well 7317/9-1 was spudded with the semi-submersible installation Songa Enabler on 13 September 2017 and drilled to TD at 1500 m in the Triassic Snadd Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 816 m and with KCl/GEM/Polymer water-based mud from 816 m to TD.

The primary targets Stø and Nordmela formations were not present in the well. Instead top Fuglen was penetrated from 893 to 980 m and the secondary target Tubåen and Fruholmen formations were penetrated from 980 to 1218 m. The well was dry, with trace shows in sandstones in the Tubåen and Fruholmen formations. The shows were noticed as weak to dull direct fluorescence on cuttings in the intervals 1043 - 1070 m, 1115 - 1157 m and 1448 m - 1447 m. Weak dull direct fluorescence was also seen in four of the sidewall cores (1008.4 m, 1108.5 m, 1141 m and 1142.8 m). The conventional cores had no shows. No cut fluorescence was observed on any type of samples.

One core was cut in the Tubåen Formation from 1033 to 1070 m with 99.4% recovery. No fluid sample was taken.

The well was permanently abandoned on 7 October 2017 as a dry well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 7317/9-1