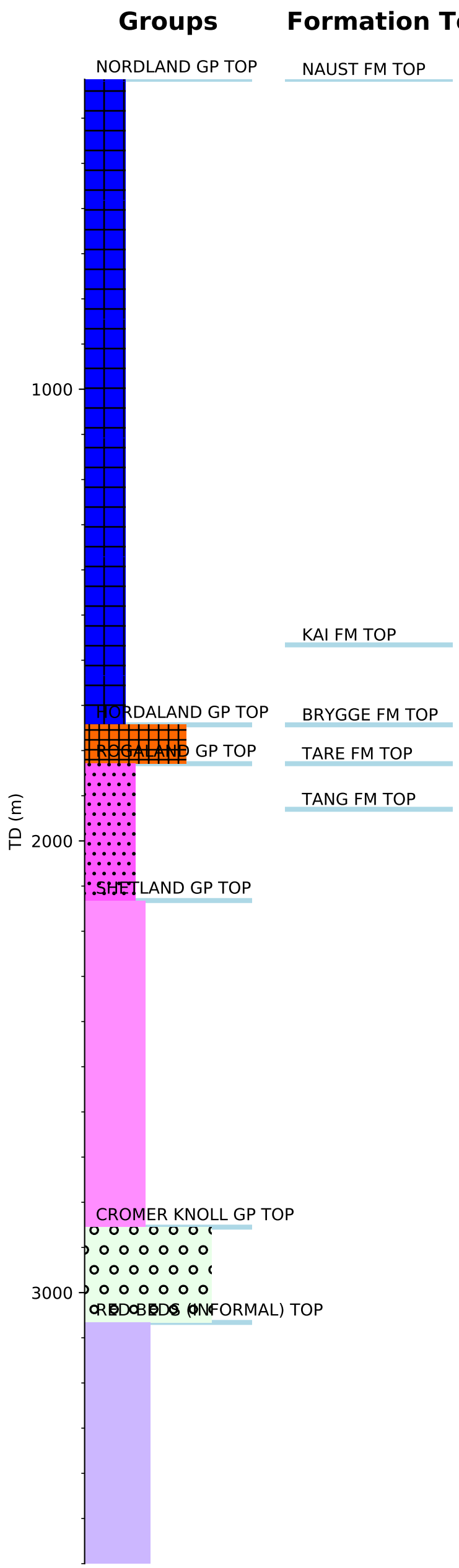

Wellbore History

GENERAL

Wildcat well 6609/5-1 was drilled on horst structure in the western part of block 6609/5 in the Trænabanken area, off shore Mid Norway. The main objective was Late Triassic - Early Jurassic sand bodies at a prognosed depth of 3600 m.

OPERATIONS AND RESULTS

Well 6609/5-1 was spudded with the semi-submersible installation West Vanguard on 3 November 1984 and drilled to TD at 3600 m in the Triassic Red Beds. Few technical problems occurred during the drilling period. The well was drilled with spud mud down to 820 m, with gypsum/polymer mud from 820 m to 3115 m, and with gel/lignosulphonate mud from 3115 m to TD.

Top Cretaceous was encountered at 2132 m. Grey brownish sediments of the Early Cretaceous were found unconformable on reddish Late Triassic sediments at 3066 m. Early Cretaceous sand and silt layers had indications of hydrocarbons at a depth of 2195 m. Similar indications were seen in a silt at 2580 m to 2595 m, some thin sandstones at 2856 to 2904, and a possibly Cenomanian to Turonian age sand at 2987 m. Fluorescence and cut was observed on thin sandstones in the core at 3009 m. Further spots of weak shows were observed on several cuttings and SWC sandstone samples from the Triassic between 3154 m and 3496 m. Logs displayed that all observed shows were residual hydrocarbons.

One core was cut from 3009 m to 3020 m. No wire line fluid samples were taken in the well.

The well was permanently abandoned on 5 January 1985 as dry with shows.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6609/5-1