



Wellbore History

GENERAL

Block 7122/6 is situated in the Hammerfest Basin, ca. 45 km NNE of the Goliath Discovery, and ca. 55 km east of the Snøhvit Field. Well 7122/6-2 was drilled on the Tornerose prospect, a southwest dipping rotated fault block forming a structural closure with the north-eastern side delineated by a major NW-SE striking fault. Wildcat 7122/6-1 had been drilled by Total in 1987 and proven gass in the northwestern part of the structure. The primary objective of well 7122/6-2 was to prove hydrocarbons in sandstones of early Carnian age in the Snadd Formation, Kap Toscana Group. Sandstones in the Stø and Kobbe Formations were secondary targets.

OPERATIONS AND RESULTS

Well 7122/6-2 was spudded with the semi-submersible installation Polar Pioneer on 9 August 2006 and drilled to TD at

3070 m in the Middle Triassic Kobbe Formation. No shallow gas was observed. No significant technical problems were encountered in the operations. The well was drilled with seawater and hi-vis pills down to 1105 m, and with Glydril mud from 1105 m to TD.

Well 7122/6-2 penetrated rocks of Quaternary, Cretaceous, Jurassic, and Triassic age. Gas was proven in the Top Carnian tight sandstones (Snadd Formation) at 2387 m. No gas water contact could be established. Instead, MDT pressure points indicated that the gas occurred in separate sands without pressure communication. The fluorescence observed in the well was indicative of light hydrocarbons only. No direct fluorescence was observed. Rare traces of pale white very faint immediate cut fluorescence were observed in the interval 2048 to 2052 m. Rare traces of pale white very faint delayed cut fluorescence in the cored interval at 2452 to 2456 m. In the interval 2574 - 2643 m rare traces of very faint bluish white delayed cut fluorescence was observed.

One core was cut at 2452 - 2506 m in the Snadd Formation in the Top Carnian reservoir, as planned. MDT fluid samples were collected in the Stø and Carnian sandstones. Water samples were collected in the Stø and Snadd Formations. Gas samples were taken in Snadd Formation and in Carnian Sandstone at 2393.4 m, 2452.4 m and 2533.4 m.

The well was permanently abandoned on 19 September 2006 as a gas well.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 7122/6-2