



Wellbore History

GENERAL

Well 6407/8-6 was drilled on the Snilehorn prospect in the south-eastern part of the Halten Terrace in the Norwegian Sea. The primary objective was to test reservoirs of Early to Middle Jurassic age in the Åre and Tilje formations.

OPERATIONS AND RESULTS

A 9 7/8" pilot hole 6407/8-U-1 was drilled with seawater and returns to seafloor down to 996 m (the planned setting depth for 13 3/8" casing). No shallow gas was encountered.

Wildcat well 6407/8-6 was spudded with the semi-submersible installation Songa Trym on 20 September and drilled to TD at 3420 m in Late Triassic sediments in the Åre Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 985 m and with XP07 oil based mud from 985 m to TD.

The Fangst Group, Ile Formation was unexpectedly encountered at 2789 m. Oil was proven throughout the Ile Formation from top to base at 2831 m, in the Tilje Formation from 2902 m to 3035 m, and in an Åre Sandstone from 3191 m to 3214.8 m. Total net pay for the three reservoir intervals is 116 m (58%). All three oil columns were in down-to situations. Thin oil-bearing sands were also proven in the Tofte Formation from 2842 m to 2872 m.

Three consecutive cores were cut from 2918 to 3040.4 m. Recovery was 94%, 100%, and 100% for cores one, two, and three, respectively. MDT fluid samples were taken at 2790 m (oil), 2826 m (oil), 2909.4 m (oil), 3023.5 m (oil), 3195.7 m (oil), 3198.6 m (oil), 3254.6 m (water), and 3311.1 m (water).

The well was permanently abandoned on 20 October 2013 as an oil discovery.

TESTING

No drill stem test was performed.

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6407/8-6