

Wellbore History

GENERAL

Well 6407/8-6 A is a geological sidetrack to 6407/8-6. Both were drilled to test the Snilehorn Prospect on the Halten Terrace in the Norwegian Sea. The primary well had discovered oil in the Ile, Tilje, and Åre formations without seeing any oil/water contacts. The primary objective of 6407/8-6 A was to test the Jurassic sequence in a down-faulted segment east of the primary well bore.

OPERATIONS AND RESULTS

Appraisal well 6407/8-6 A drilled with the semi-submersible installation Songa Trym. It was kicked off on 20 October 2013, immediately below the 9 5/8" shoe; the kick off point was confirmed at 1996 m. The sidetrack was drilled to 3537 m (3288 m TVD) in Late Triassic sediments belonging to the Åre Formation. Operations proceeded without significant problems. The well was drilled with XP-07 oil based mud from kick-off to TD.

Top Garn Formation was penetrated at 2884 m (2722 m TVD), top Ile Formation at 3023 m (2824 m TVD), and top Tilje Formation at 3224 m (2985 m TVD). The Garn and Ile formations were oil bearing all through (down-to contacts), while the Tilje Formation was oil bearing with a true oil/water contact at 3284 m (3040 m TVD). Oil shows were described down to 3300 m. Based on logs and shows descriptions there was oil also in a 3 m sandstone in the Not Formation, from 2962 to 2965 m.

Two cores were taken in the 6407/8-6 A well covering respectively 27 meters in the Garn and Not formations (2903 to 2930 m) and 13 meters in Ile Formation (3029 to 3041 m). No fluid samples were taken.

The well was permanently abandoned on 9 December 2013 as an oil appraisal well.

TESTING

No drill stem test was performed.