



**Wellbore History**

**GENERAL**

Well 34/10-45 S is situated in the Gullfaks area. The primary objectives for the well were to explore a prospect in the Draupne Formation in the western part of fault segment D3 and to be an oil producer from the Tarbert Formation in segment D3 (Gullfaks Vest).

**OPERATIONS**

Wildcat well 34/10-45 S was spudded 3 November 2001 and drilled as a sidetrack of development well 34/10-B-42 from the permanent installation Gullfaks B. The well was drilled to TD at 7594 m (2317,5 m TVD RKB) in the Middle to Late Jurassic Heather Formation. The well 34/10-45 S was drilled from the kick-off point at 2945 m (1726 m TVD RKB) to TD with "Versavert" OBM.

At 6130 m (2080 m TVD RKB) a gas-condensate filled sandstone was encountered. Biostratigraphic dating showed, however, that the sandstones were of Campanian age and not Upper Jurassic age as expected prior to drilling. Subsequently the sandstones are interpreted as Krans Member. The well probably drilled out of the ceiling of the sandstone after some 200 m in westerly direction. The true lateral extension of the sandstone could therefore not be verified. A minor hydrocarbon-filled Cretaceous sandstone-interval was encountered from 7015 m to 7035 m before the well path was dropped after penetrating Base Cretaceous and the Draupne Formation.

The reported reservoir pressures in well bore 34/10-45 S are prognosed initial pressures, as no pressure measurements were performed.

No fluid samples were collected and no coring was performed in the well. Technical problems lead to drilling of a new sidetrack, 34/10-45 A.

Well 34/10-45 S was plugged 08 January 2002 as a gas/condensate discovery.

**TESTING**

No drill stem test was performed

**LITHOSTRATIGRAPHY & HISTORY FOR WELL: 34/10-45 S**