# **Groups Formation Tops** NORDLAND GP TOP **NAUST FM TOP** 400 500 600 700 800 900 1000 1100 TD (m) 1200 KAI FM TOP 1300 GALAND GP TOP TARE FM TOP THINK BY GET FOR P MEKKEFFMTTOPF **BÅT GP TOP** 1400 TILJE FM TOP 1500 ÅRE FM TOP 1600 1700 1800 1900 2000

# **Wellbore History**

#### **GENERAL**

Well 6507/8-3 was the third in the block, located on the Sør High northeast of the Heidrun Field. The hole was drilled on the alpha-structure, a rotated fault block dipping towards south and west. Jurassic and parts of Triassic is probably eroded. The primary objective of the well was to test the hydrocarbon bearing potential of the previously undrilled alpha structure. The secondary objective was to verify geological model and structural interpretation, to drill the third commitment well in the block, to improve the paleontological, geological and geochemical understanding of the area. Planned TD was in Triassic sediments.

### **OPERATIONS AND RESULTS**

Wildcat well 6507/8-3 was spudded with Smedvig Drilling semi-submersible installation West Delta on 3 September 1988 and drilled to TD at 2075 m in Triassic rocks of the Åre Formation. The well was drilled with spud mud down to 558 m, with CMC from 558 m to 1101 m, and with gel/CMC/Ligno from 1101 m to TD. There was no shallow gas. The whole operation went very fast and without problems of any kind and TD was reached in 11 days.

Both the Eocene to Miocene and the Cretaceous are missing in the well. Top reservoir (Garn Formation) was encountered at 1358 m. It contained a small amount of gas with a gas/water contact at 1362 m. FMT testing at 1361 m showed dry gas consisting of 99% methane, interpreted to be of biogenic origin. Apart from this methane the well was found to be dry based on cuttings, cores, and logs. Two cores were cut in the well. Core 1 was cut between 1367 ? 1380 m (only the lower 1.5 m from the Not Formation recovered) and core 2 in the interval 1396 -1408 m in the Ile/Ror Formations.

The well was plugged and abandoned completed 20 September 1988 at as dry.

## **TESTING**

No drill stem test was performed