Formation Tops Groups NORDLAND GP TOP **NAUST FM TOP** 400 500 600 700 800 900

Wellbore History

GENERAL

Wildcat well 6506/12-2 is located on the Halten Terrace off shore Mid Norway. Its primary objective was to test possible hydrocarbon accumulations in Middle and Early Jurassic sandstones on the Beta Prospect at an antiform structure in the southeastern part of the block. Secondary objectives were Early Jurassic and Triassic sandstones, in addition to sands within the Coal Beds. Prognosed TD was at 4380 m in the Jurassic coal sequence, or in Middle Jurassic sandstones at 3902 m.

OPERATIONS AND RESULTS

Well 6506/12-2was spudded with the semi-submersible installation Ross Isle on 12 February 1985 and drilled to TD at 955 m in Pliocene sediments (Nordland Group). A pilot hole was drilled to 955 m and logs were run. Shallow gas was detected on log readings at 572 m, and gas peaks of 6.9% at 573 m and 6% at 580 m confirmed this observation. Water flow and lost circulation caused problems, but was stabilised with LCM pills. The well was drilled with seawater and pre-hydrated bentonite.

Problems with a wear bushing caused the abandonment of the well on 28 February 1985. Spudding and drilling of replacement well 6506/12-3 started two days later.

TESTING

No drill stem test was performed

LITHOSTRATIGRAPHY & HISTORY FOR WELL: 6506/12-2