

## NPD – exploration drilling result

22/10/2010 The Norwegian Petroleum Directorate has granted Statoil Petroleum AS a drilling permit for wellbore 15/6-11 S, cf. Section 8 of the Resource Management Regulations.

Wellbore 15/6-11 S will be drilled from the drilling facility *Ocean Vanguard* in position 58° 34' 08.32" north 01° 42' 10.54" east after concluding the drilling of wildcat well 25/5-7 in production licence 102 C.

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The drilling programme for wellbore 15/6-11 S applies to the drilling of an appraisal well in production licence 303. Statoil Petroleum AS is the operator with a 100 per cent ownership in production licence 303, but the well will be drilled on behalf of the licensees in the discovery 15/5-1 Dagny (production licences [048](#), [303](#), [029](#) and [029 B](#)).

The partners in this expanded licensee group are therefore Det norske oljeselskap ASA, ExxonMobil Exploration & Production Norway AS and Total E&P Norge AS. The area in licence 303 consists of parts of blocks 15/2,3,5,6 and 8, and the well will be drilled in block 15/6 on the east flank of 15/5-1 Dagny just north of the Sleipner Vest field in the North Sea.

Production licence 303 was awarded on 12 December 2003 (APA 2003). This is the fifth well to be drilled in the area in this permit.

The permit is contingent upon the operator having secured all other permits and consents required by other authorities before the drilling activity commences. The consents of other authorities must be secured before drilling starts.

See [Factpages](#) for more information about this wellbore.

# 15/6-11 S and 15/6-11 A

09/03/2011 Statoil Petroleum AS, operator of production licence 303, is in the process of completing the drilling of appraisal wells 15/6-11 S and 15/6-11 A on the gas/condensate/oil discovery 15/5-1 Dagny.

The Dagny discovery was proven in the 1970s in Middle Jurassic reservoir rocks just north of the Sleipner Vest field. The discovery was further delineated in 2007 by the appraisal well 15/6-9 S on the "Ermintrude" structure.

Before the last wells were drilled, the resource estimate for Dagny was between 15 and 50 million standard cubic metres (Sm<sup>3</sup>) of recoverable oil equivalents. The wells were drilled approx. four and two kilometres south-east of the discovery well 15/5-1 Dagny.

The purpose of the wells was to prove, delineate and test the production properties of the oil zone in Middle Jurassic reservoir rocks (the Hugin formation) between Dagny and "Ermintrude". Appraisal well 15/6-11 S, which was drilled to the deepest point of the structure, encountered only non-mobile petroleum in the Hugin formation with varying reservoir quality. Appraisal well 15/6-11 A, which was drilled to a shallower point of the structure, encountered a gas column of 30 metres in the Hugin formation in reservoir rocks with quality corresponding to that of 15/6-11 S.

Comprehensive data acquisition and sampling have been carried out. A successful formation test was conducted. The maximum production rate was 225 000 Sm<sup>3</sup> gas and 120 Sm<sup>3</sup> condensate respectively per flow day through a ½-inch nozzle opening. The extent of the Dagny discovery is currently estimated at between 20 and 40 million Sm<sup>3</sup> recoverable oil equivalents. The licensees are considering various concepts for the Dagny discovery and how the information from the latest wells will affect their choice of concept and schedule.

The wells were drilled on behalf of production licences 048, 303, 029 and 029 B. These are the fifth and sixth exploration wells in [production licence 303](#), which was awarded on 12 December 2003 (APA 2003). 15/6-11 S and 15/6-11 A were drilled to vertical depths of 4099 and 3830 metres below sea level, respectively, and were both terminated in the Skagerrak formation in the Upper Triassic. The wells are/will be permanently plugged and abandoned.

