

## NPD – exploration drilling result

25/01/2010 The Norwegian Petroleum Directorate (NPD) has granted Det norske oljeselskap ASA a drilling permit for wellbore 16/1-11, cf. Section 8 of the Resource Management Regulations.

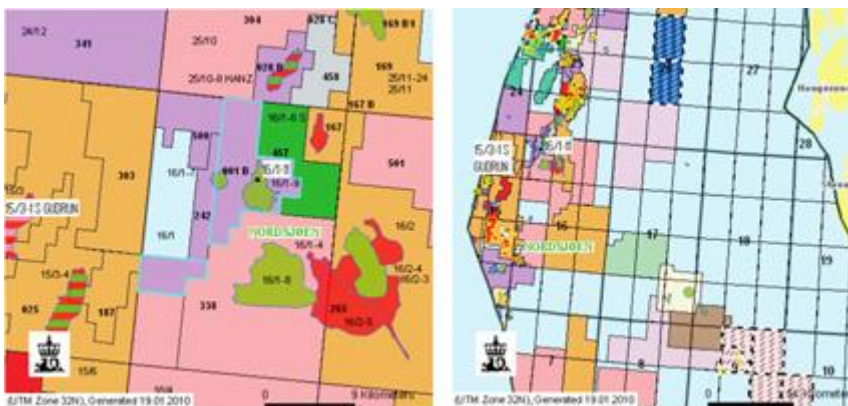
Wellbore 16/1-11 will be drilled from the *Songa Delta* drilling facility at position 58° 55' 36.15" North and 02° 11' 07.48" East. The semi-submersible rig will arrive at the site after completing drilling in production licence 476.

The drilling program for wellbore 16/1-11 relates to the drilling of an appraisal well in production licence 001 B. Det Norske oljeselskap ASA is the operator with a 35 per cent ownership interest. Other licensees are Bayerngas Produksjon Norge AS with 15 per cent and Statoil Petroleum AS with a 50 per cent ownership interest.

The area in this licence consists of the central to northern part of block 16/1, about 20 km northeast of the 15/3-1 S Gudrun discovery in the central part of the North Sea. Production licence 001 B was originally awarded in the first licensing round in 1965, and was subsequently carved out in 1999. This is the fourth well to be drilled in the production licence.

The drilling permit is granted on the condition that all other permits and consents required by other authorities have been secured before the drilling activity commences.

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



## 16/1-11 and 16/1-11 A

10/05/2010 Det norske oljeselskap ASA, operator of production licence 001 B, is in the process of completing the drilling of appraisal wells 16/1-11 and 16/1-11 A on the 16/1-9 (Draupne) oil and gas discovery.

The discovery was proven in the spring of 2008 in reservoir rocks from the Middle Jurassic (the Sleipner formation) and the Upper Triassic (the Skagerrak formation). The discovery is about 25 kilometres northeast of 15/3-1 S Gudrun and 30 kilometres south of the Jotun field. Prior to the drilling of appraisal wells 16/1-11 and 16/1-11 A, the operator estimated the resources in the discovery at between 8.9 and 16.9 million standard cubic metres (Sm<sup>3</sup>) of recoverable oil equivalents.

The primary exploration target for the wells was to delineate the 16/1-9 discovery. Well 16/1-11 proved a 25-metre gas column in the Sleipner formation and a 32-metre oil column in the Skagerrak formation, without encountering the oil-water contact.

The reservoir quality in the gas zone was as expected, but somewhat poorer than expected in the oil zone. Well 16/1-11 A was then drilled deeper into the structure. The oil-water contact was determined using pressure measurements and fluid samples in the Skagerrak formation. This results in a 41-metre oil column in well 16/1-11 A.

A formation test was conducted in the technical sidetrack 16/1-11 T2. The maximum production rates were 175 and 525 Sm<sup>3</sup> of oil per flow day through a 28/64 and 60/64 inch nozzle opening, respectively. Preliminary estimates indicate the size of the discovery as somewhere between 13.7 and 18.1 million Sm<sup>3</sup> recoverable oil equivalents.

The licensees in [production licence 001 B](#) plan to mature the discovery with a view towards selecting a development concept during the course of 2010.

These are the fourth and fifth exploration wells in production licence 001 B. The licence was originally awarded in the first licensing round in 1965, and subsequently partitioned off on 15 December 1999.

Appraisal wells 16/1-11 and 16/1-11 A were drilled to respective vertical depths of 2596 and 2566 metres below the sea surface, and both were terminated in the Skagerrak formation in the Upper Triassic. The water depth is 112 metres. The wells will now be permanently plugged and abandoned.

The wells were drilled by the *Songa Delta* drilling facility, which will now proceed to production licence 475 BS in the Norwegian Sea to drill wildcat well 6406/3-8, where Wintershall Norge ASA is the operator.

