

## NPD – exploration drilling result

23/03/2011 The Norwegian Petroleum Directorate has granted Total E&P Norge AS a drilling permit for well 7225/3-1, cf. Section 8 of the Resource Management Regulations.

Well 7225/3-1 will be drilled from the *West Phoenix* drilling facility at position 72° 54' 58.35" north and 25° 52' 02.70" east.

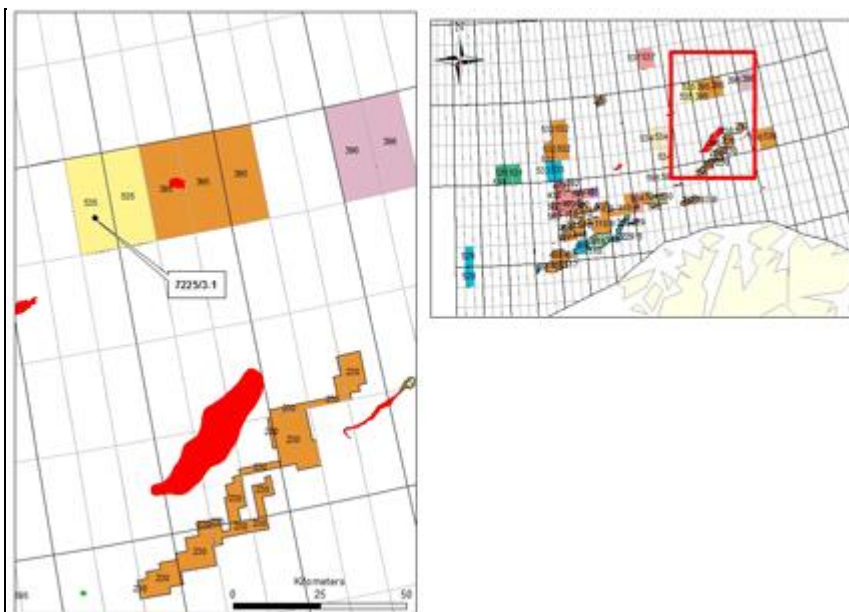
The drilling programme for well 7225/3-1 concerns the drilling of a wildcat well in production licence 535. Total E&P Norge AS is the operator with a 40 per cent ownership interest. The other licensees are North Energy ASA with 20 per cent, Rocksource ASA with 20 per cent and Det norske oljeselskap ASA with 20 per cent.

Well 7225/3-1 is located approximately 300 kilometres northeast of Hammerfest. The production licence consists of the blocks 7225/3 and 7226/1. The production licence was awarded in the 20th licensing round.

Wildcat well 7225/3-1 is the first exploration well in production licence 535.

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

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



# 7225/3-1

08/08/2011 Total EP Norge AS, operator of production licence 535, has completed the drilling of wildcat well 7225/3-1. The well, which proved gas, was drilled in the Barents Sea, about 250 kilometres north of Melkøya.

The primary exploration target for the well was to prove petroleum in Triassic reservoir rocks (Snadd and Kobbe formations). The secondary exploration target was to prove petroleum in the Middle Jurassic (Stø formation), Triassic (Havert formation) and Permian (Bjarmeland formation).

Gas was proven both in intervals from the Jurassic and the Triassic: in the Kobbe formation with a 400-metre interval in rocks of varying reservoir quality, and in the Havert formation in two intervals of 80 and 90 metres, respectively, in poorly developed reservoir rocks. Gas was also encountered in the Stø and Snadd formations.

Preliminary estimates place the size of the discovery between 10 and 50 billion standard cubic metres (Sm<sup>3</sup>) of recoverable gas.

A successful formation test has been carried out in the upper part of the Kobbe formation. The maximum production rate was 180 000 Sm<sup>3</sup> gas per flow day through a 44/64-inch nozzle. The gas contains only small amounts of CO<sub>2</sub>, H<sub>2</sub>S and N<sub>2</sub>. The results from the well will be included in the ongoing evaluation of "Norvarg" to establish the size and extent of the gas discoveries.

The well was drilled in 376 metres of water and is the first exploration well in [production licence 535](#). The licence was awarded in the 20<sup>th</sup> licensing round in 2009.

The well was drilled to a vertical depth of 4150 metres below the sea surface, and was terminated in the Ørn formation in Permian rocks. The well will now be permanently plugged and abandoned.

Well 7225/3-1 was drilled by *West Phoenix*, which will now go on to drill for Statoil Petroleum AS on the Troll field in the North Sea.

