



DVALIN

WINTERSHALL DEA

OPENING UP A NEW GAS PROVINCE IN NORWAY

Gas production on the seabed

Wintershall Dea is the operator of the Dvalin gas field, which consists of four subsea wells, tied back to the Equinor operated Heidrun host platform. A four-slot template has been installed on the seabed. Flowlines and umbilical will be connected to the Heidrun platform.

On the Heidrun platform, two modules, one 400 tonne utility (MEG and methanol) module and one 3,500 tonne gas processing and compression module have been installed. The utilisation of the already built infrastructure enables a cost-efficient and sustainable extraction of the resources.

As planned, first gas flow was achieved in late 2020. However, during the commissioning phase, measurements showed that gas flow contained a level of mercury that exceeded the maximum amount in the system. A technical solution is currently being investigated. Until an appropriate remediation solution is implemented, gas flow from the field will be curtailed. The Dvalin reserves remain unaffected by the mercury issue.



The gas field was discovered in 2010 and is located in the Norwegian Sea, 259 kilometres north of Kristiansund

Filling the reserve pipeline

The Dvalin gas field is located 259 kilometres north of Kristiansund in mid Norway, 15 kilometres northwest of the Heidrun field and 35 kilometres south of the Skarv field in the Norwegian Sea. The estimated recoverable reserves from the field are around 113 million barrels of oil equivalent (as per PDO).

The gas from Dvalin will be transported to the Heidrun platform via pipeline. From there, it will be sent to the Polarled gas transportation system via a 7.5 kilometres-long pipeline, before it will be further processed to dry gas at the Nyhamna onshore gas terminal. Finally, the gas will be transported via Gassled to the market. The Dvalin field is the first field that will be connected to the southern part of the Polarled pipeline and thus opening a new gas province on the Norwegian Continental Shelf.



The heavy lifting vessel Saipem 7000 lifts the Dvalin module onto the Heidrun platform.

The partners, with Wintershall Dea as the operator, are investing 10.7 billion kroner (around 1 billion euros) in the development of the Dvalin field. The project partners are Petoro (35%) and Edison (10%).

Innovation and determination

In the 1980s, the Dvalin field was not considered promising, as little exploration success in the area was achieved by other companies. As time passed, however, innovative ideas and approaches revealed new findings, and in 2007 a partnership, with DEA as the operator company, was granted the PL 435 licence.

The first gas discovery was reported in September 2010, when the first exploration well was drilled on the Dvalin field. A gas-bearing reservoir with a thickness of 150 metres was encountered in the Fangst formation (Dvalin East). A second gas-bearing reservoir with a thickness of 140 metres was discovered in 2012 with a second exploration well (Dvalin West).

Commitment to Norway – Commitment to Europe

Wintershall Dea has been active in Norway for over 45 years and is active in exploration, development and production all over the Norwegian Continental Shelf. The Dvalin development is one example on how the company is continuously expanding its activities in Norway.

With a daily production of 154,000 barrel of oil equivalent in 2020, and now one of the leading gas and oil companies in the country, Wintershall Dea is aiming to further increase these volumes over the next years.

The Dvalin field is a major investment and an important part of Wintershall Dea's growth strategy in Norway. The development of the Dvalin field is testimony to the company's systematic growth and belief in the Norwegian Continental Shelf. As the operator of Dvalin, Wintershall Dea makes another important commitment to the German-Norwegian energy partnership and secures Europe's stable supply of energy.

Facts

Licence: PL 435

Location: 259 kilometres north of Kristiansund in the mid of Norway and 15 kilometres northwest of the Heidrun field and 35 kilometres south of the Skarv field in the Norwegian Sea.

Geology: Reservoir depth is 4,200 metres Middle Jurassic Garn, Ile Formations

Water depth: 400 metres

Estimated reserves: 113 million boe



Chronology



Wintershall Dea GmbH
Corporate Communications
Friedrich-Ebert-Str. 160
34119 Kassel
Germany

Questions?
Please get in contact with us!
Phone +49 561 301-3301
press@wintershalldea.com
wintershalldea.com

