

OIL AND GAS FIELDS IN NORWAY

INDUSTRIAL HERITAGE PLAN



NORSK OLJEMUSEUM

TRYM

This gas and condensate field lies in 65 metres of water about three kilometres from the boundary between the Norwegian and Danish sectors of the North Sea. It ranks as Norway's first field to be produced via Danish platforms. Operator Dong E&P is also developing Oselvar.

Trym was the first field on the NCS to have a development plan rejected by the Norwegian Ministry of Petroleum and Energy. That occurred in 2006 because the solution based on sending gas to the Danish sector was judged too expensive.

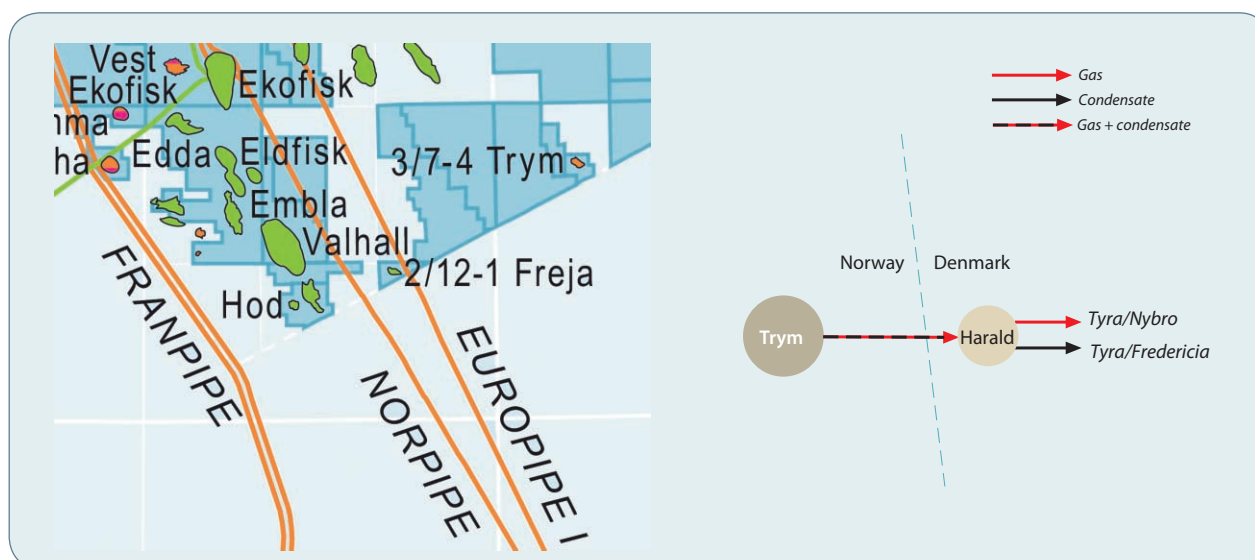
Statoil was a licensee at the time, with a 30 per cent holding later sold to Bayerngas Norge. After the ministry's rejection, Shell sold its share to Faroe Petroleum. The latter was then bought out by Dong E&P Petroleum, which became operator. A new plan for development and operation (PDO) was submitted to the ministry in October 2008 and approved in March 2010. The Trym project had a budget of about NOK 2.6 million.

Reservoir and recovery strategy

The Trym reservoir comprises sandstones belonging to the Sandnes and Bryne formations in the Late



and Middle Jurassic. It lies at a depth of about 3 400 metres beneath sea level in the same salt structure as Denmark's Lulita field. Trym and Lulita are thought to be divided by a fault on the Norwegian side of the boundary, but could be in pressure communication through the underlying water zone. The daily production rate is expected to be 1.8 million cubic metres of gas and 6 250 barrels of condensate.



Development solution

Trym has been developed with a subsea installation producing from two wells. The 300-tonne template was built by Aker Solutions in Egersund.

Transport

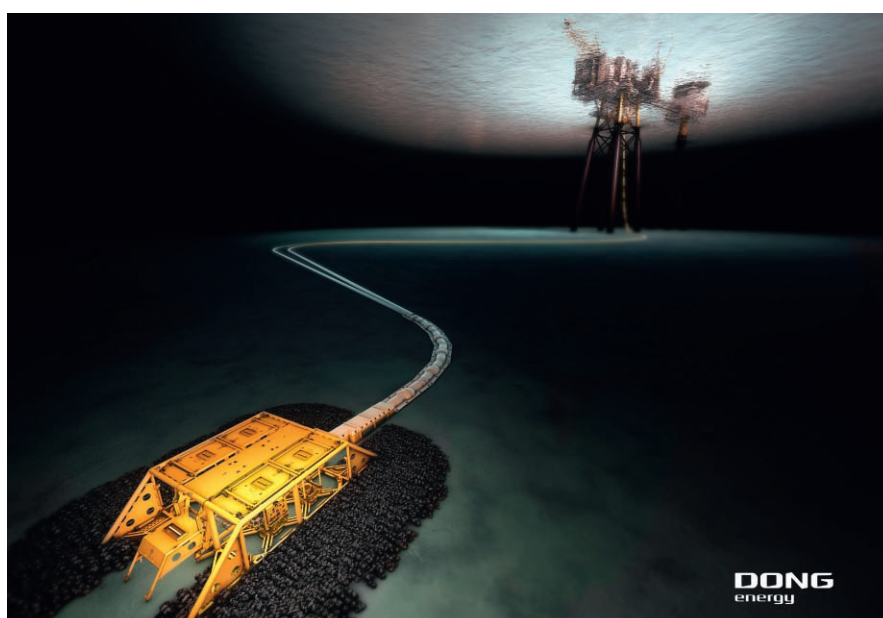
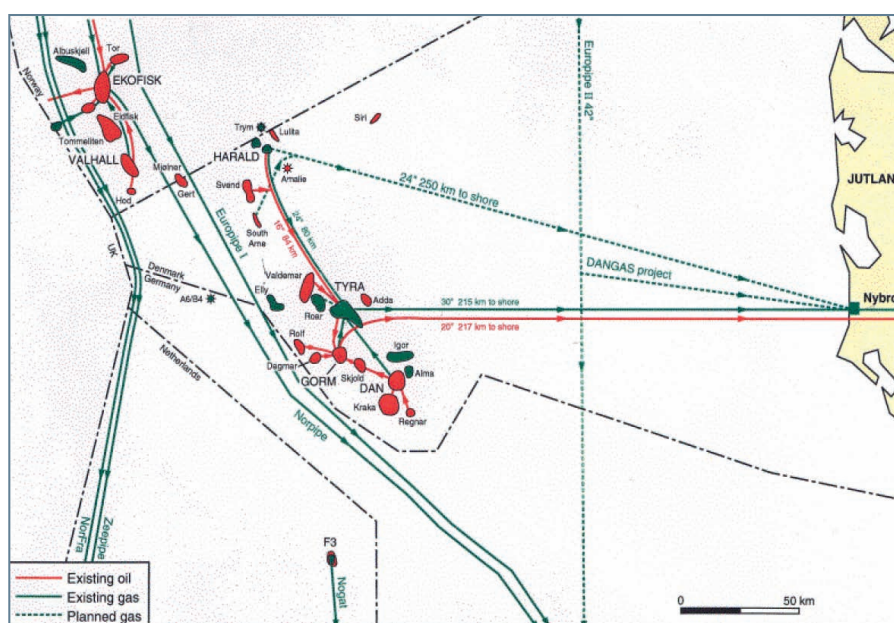
The field is tied back by a pipeline to the Harald platform operated by Maersk Oil & Gas in the Danish sector. Gas, condensate and water are separated on the platform before the gas and condensate are transported in separate pipelines via the Tyra field to Denmark.

Trym

Block	3/7
Production licence	147
Awarded	8 July 1988
Total recoverable reserves	4.2 bn scm gas 6.9 mill bbl condensate
Discovery year	1990
Approved for development	March 2010
On stream	12 February 2011
Operator	Dong E&P Norge AS

Licensees

Dong E&P Norge AS	50%
Bayerngas Norge	50%



Trym subsea template with the Harald platform in the background.
Illustration: Dong E&P Norge AS