

OIL AND GAS FIELDS IN NORWAY

INDUSTRIAL HERITAGE PLAN



NORSK OLJEMUSEUM

VARG

The Varg oil field lies in 84 metres of water, 32 kilometres south of Sleipner East at the southern end of the NCS. Operator Pertra, a subsidiary of Petroleum Geo Services (PGS), was acquired in the spring of 2006 by Talisman Energy, which took over the operatorship.

Reservoir and recovery strategy

Varg contains oil in late Jurassic sandstones at a depth of about 2 700 metres. The formation is segmented and comprises several isolated sub-structures. Production is based on water and gas injection. All the wells produce with gas lift.

Transport

Oil is loaded from the production ship into tankers. Varg exports no gas, with this part of its output injected back into the reservoir.

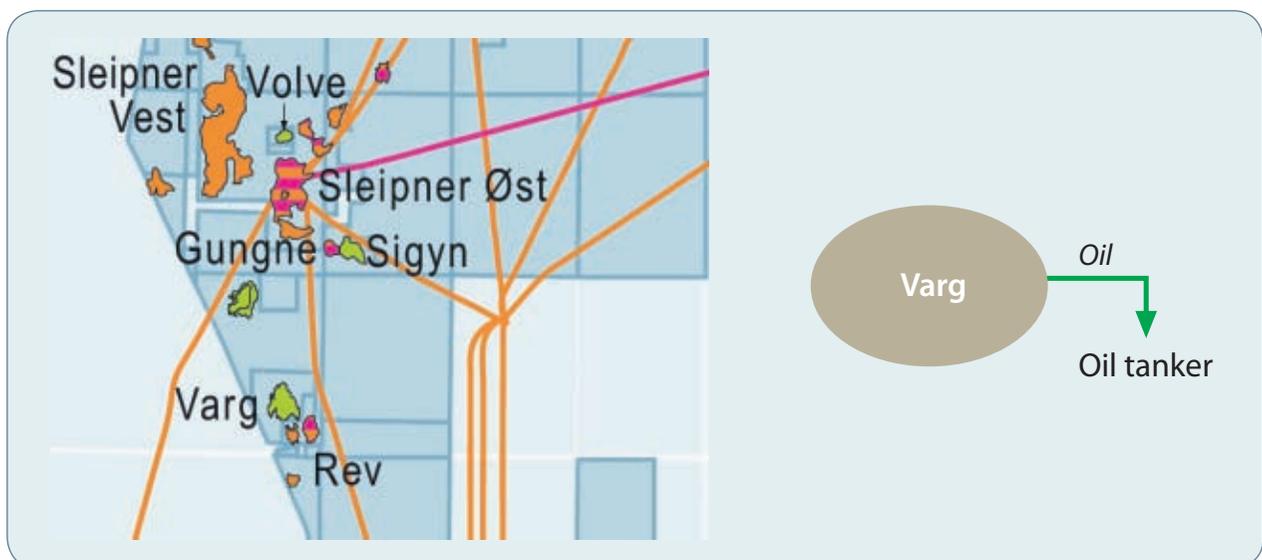
Development solution

Varg A

Field installations comprise a wellhead platform



combined with an FPSO. The Varg A wellhead structure and the Petrojarl Varg production ship are linked by flexible flowlines for oil production as well as water and gas injection, and by power and control cables. Varg A is normally unstaffed.





Petrojarl Varg. Photo: Talisman Energy Norge AS

Petrojarl Varg

Petrojarl Varg (PJV) is a floating production, storage and offloading (FPSO) unit capable of storing 470 000 barrels of oil. It is moored 1 200 metres from Varg A. The ship was sold to PGS in 1999, which also took over responsibility for its operation, and its name was changed from Varg B to Petrojarl Varg. Oil is transferred to shuttle tankers via an offloading system on the FPSO.



Varg A. Photo: Talisman Energy Norge AS

Varg

Block	15/12
Production licence	038
Awarded	1975
Total recoverable reserves	99 mill bbl oil
Remaining at 31 Dec 2008	26.5 mill bbl oil
Discovery year	1984
Approved for development	3 May 1996
On stream	24 Dec 1998
Operator	Talisman Energy Norge
Operations organisation	Stavanger/Trondheim
Main supply base	Tananger
Licensees	
Talisman Energy Norge	65%
Petoro	30%
Det Norske Oljeselskap	5%