



# 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.

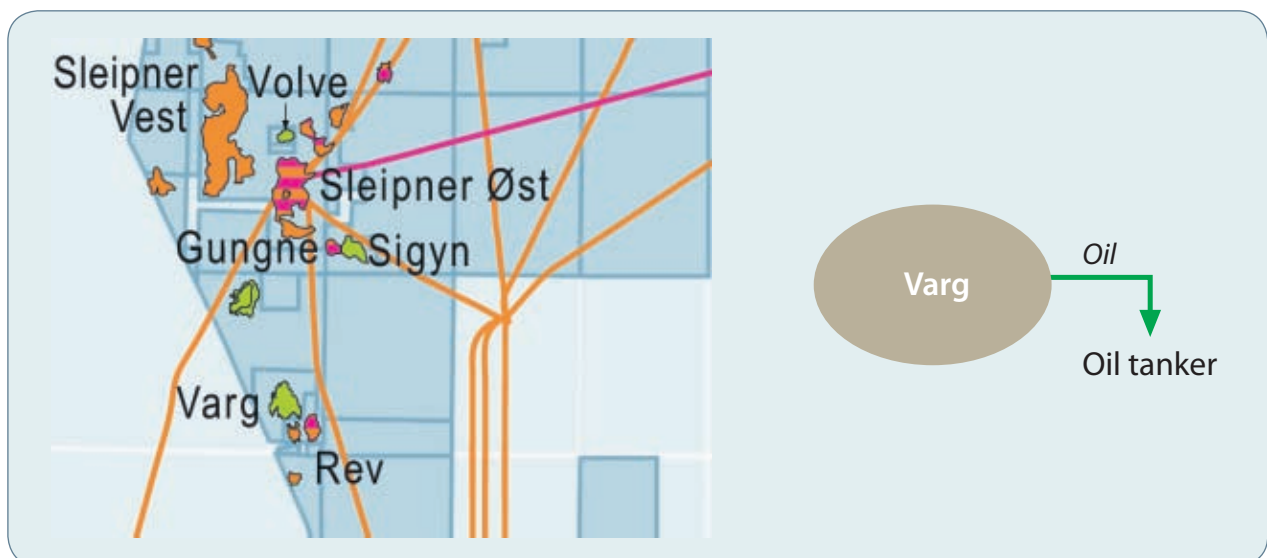
## Development solution

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%