The Wisting field is located in the Barents Sea, around 310 km north of Hammerfest and approx. 180 km from the Bear Island nature reserve. The ultra-shallow top reservoir is only about 250 m below the seabed.

The operator of the license is OMV (Norge) AS (25%). Joint-venture partners in the project are Equinor (35%), Petoro (20%), and Idemitsu (20%).

The Wisting field is the northernmost oil discovery in Norway with a highly promising reservoir based on data acquired from successfully delivered appraisal wells. The project is currently in the Field Assess phase and maturing from discovery to field operation and management.

**Priorities**

1. No harm to people and the environment
2. Maximize value to Norwegian society, OMV and partners
3. Demonstrate and enhance OMV’s project management capabilities

**Product**

- Six wells drilled
- Extensive dataset acquired (1,410 km² of 3D seismic, 3,095 line km of 2D seismic)
- Very good reservoir quality
- Current ‘best estimate’ range of 200 - 500 mn barrels of recoverable resources

**Horizontal drilling record**

In Wisting, the geological stratum in which the crude oil and natural gas is located is wide and large, but not thick. This makes horizontal drilling techniques much more efficient than vertical drilling techniques for reaching the desired reservoir targets.

Drilling high-angle “doglegs” becomes possible with a downhole motor that drives the drill bit and an integrated elbow, or with rotary steerable systems that point the drill bit in the desired direction. The result is higher-yield production with fewer wells.

**Wisting Central II** is a world-class long-reach horizontal appraisal well. It is the shallowest horizontal offshore well ever drilled from a floating drilling facility.

Water depth at Wisting is approximately 400 m. The well started vertically and was successfully steered into a horizontal orientation within a 250 m depth interval below the sea floor.

The total well length is 2,354 m and the horizontal section measures 1,402 m. Subsurface data collection and well results exceeded expectations.

**Value**

- Norway is a safe country that enables reliable oil/gas supply to markets across Europe
- Norway is one of OMV’s focus areas and core regions
- Will contribute to OMV’s global reserve replacement and organic growth when production from existing production assets in Norway declines
- Potential hub for other developments and prospects in the area
- Will establish OMV (Norge) AS as an offshore operator in Norway
- Revenue for OMV – tax income to Norwegian state
**Challenges**
- Remote location
- Lack of existing infrastructure
- Logistical challenges and export via shuttle tankers
- Harsh Arctic environment
- Ultra-shallow reservoir with low pressure
- Horizontal drilling

**Potential design concepts**
A variety of potential design concepts are currently being evaluated based on:
- HSSE,
- environmental,
- technical,
- executional,
- operational,
- strategic and
- economic parameters.

Some of the design alternatives are:
- **Circular steel FPSO** (Floating Production Storage and Offloading)
- **Ship shaped FPSO**

**Final design**
To be developed together with Joint-venture partners

**Ship shaped FPSO**
- Double hull with crude storage and ballast tanks
- Ship-shaped deck accommodates process systems and living quarters
- Risers and moorings connected through a turret, allowing the FPSO to weathervane
- Known and proven technology for long-term operations in harsh environments

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