The Late Jurassic in the Central Graben
Further prospectivity in a proven play

- The Late Jurassic play: 11 Late Jurassic oil & gas fields in the Dutch Central Graben, including the 125 MMbbl STOIP & 21 bcm GIIP F03-FB field.
- Reservoir sands in F03-FB consist of regionally deposited sandstones in a fluvio-deltaic (Lower Graben Fm) to shallow marine (Upper Graben Fm) environment.
- Faults in F03-FB seal for sand/shale juxtaposition and are non-sealing for sand/sand juxtaposition.
- The Middle Graben shales are sealing for oil, but not for gas. The Kimmeridge Clay is an excellent regional seal.
- Oil and gas sourced from the Lower Jurassic Posidonia Fm. Multiple other stratigraphic intervals have source rock potential as well.
- Oil migration started in the latest Jurassic and gas charge occurred in the Tertiary.

Lead: Fo8-Ventoux
- Block F08 has only recently been covered by 3D seismic (DEF spec-survey).
- Multiple Late Jurassic targets that can be tested with one exploration well.
- Fault/dip closure formed during the Latest J-Early K. Up-dip well F08-02 has oil & gas shows in the Lower Graben Fm and Middle Jurassic sands. Shallow seismic anomalies visible.

To de-risk the lead it is recommended to:
- PSDM re-process the seismic to improve the imaging of the complex faulting, increase resolution and to reduce the multiples at the J-K boundary.
- Investigate DHI’s and AVO behaviour of the reservoir intervals.
- Further investigate timing/movement of faulting and fault juxtaposition.

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