

Mid-Norway

LL-3D Merge and MNR 2020

AI driven seismic inversion

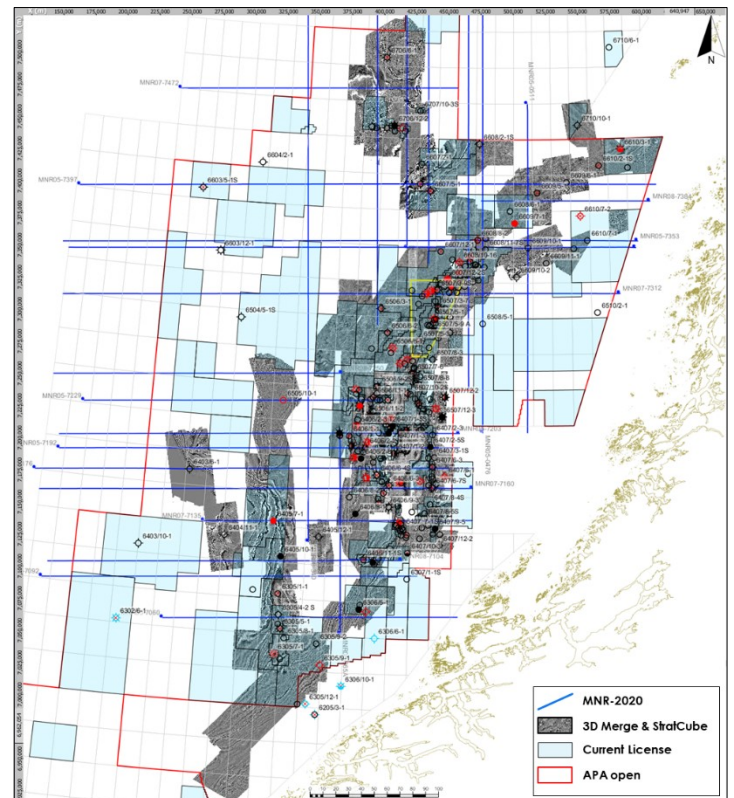
With this MC project we offer an updated and **broadband reprocessed 3D merge** and its AI driven seismic inversion, premeditated for regional lithology predictions with a **Reservoir Quality Attribute** (1-Vclay*Phi).

The focus is on the prolific exploration plays of the Cretaceous Lysing and Lange reservoirs along the Trøndelag Platform. However, the seismic inversion will include all stratigraphic levels and shows good results also on Tertiary and Jurassic reservoirs.

Tool for exploration and appraisal: The LL-Merge data set covers a mature area on the Norwegian shelf that still has lots of exploration potential and near-field opportunities. Our data enable G&G experts to map likewise regional trends of plays as well as lateral extension of well observations.

Deliverables:

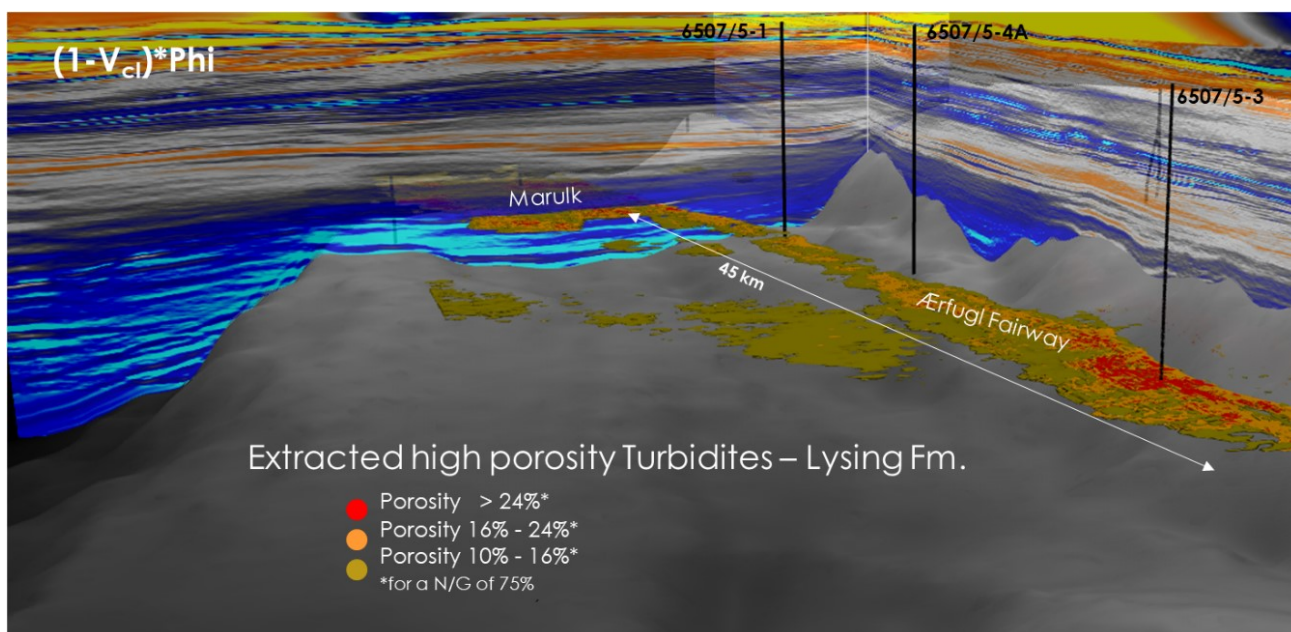
- 33 key-wells with Bio- and Sequence-stratigraphy
- Detailed Seismic interpretation:
 - Seabed
 - Top Kai – Pg230
 - Top Tare – Pg100
 - Base Tertiary Unconformity – Pg10
 - Top Blodøks (Cenomanian) – K65 mfs
 - Base Cretaceous Unconformity
- 24 MNR 2D lines: 2020 broadband processing
- 3D merge cubes:
 - Broadband reprocessed
 - Structural Filtered
 - Velocity
 - Inverted impedance
 - Inverted density
 - Inverted Porosity (Phi)
 - 1-Vcl
 - Reservoir quality (1-Vcl)*Phi





New technology:

The seismic inversion is based on new AI-driven algorithms for seismic inversion of post-stack data. The development of this exciting new technology has been supported by *Lime Petroleum AS* and *Concedo ASA*, and in due course will be patented and published.



The project is a collaboration between APT, PSS-Geo, Cama Geosciences and AGGS.



For more information and offers:

Email: contact@aggs.no

Telephone: +47 41 44 00 77

AGGS
+47 41 44 00 77
contact@aggs.no

www.aggs.no

