PETREL MC2D Petrel Sub-basin 2D PreSDM & FWI Reprocessing



Project Overview

Petrel Sub-basin regional 2D reprocessing.

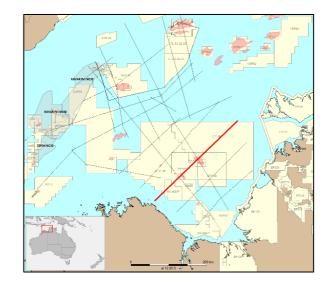
DUG's Advanced Broadband, PreSDM workflow with FWI imaging.

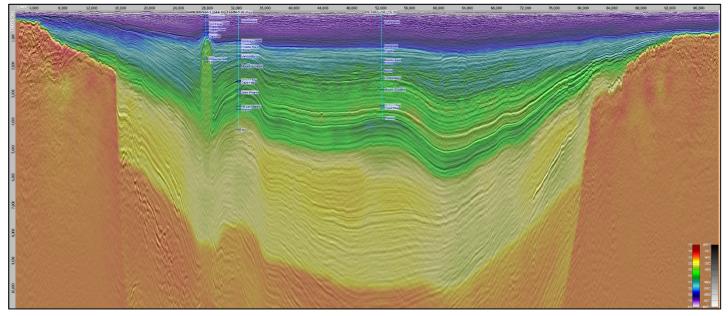
Incorporates: AGSO 100R, 116A & 118B legacy data.

19 lines totaling 5,550 km.

Regional basin-wide 2D seismic grid across the Petrel Subbasin and Malita Graben.

Ties key wells, oil & gas fields, sparse 3D surveys and provides a consistent high-quality reference 2D seismic dataset multi-purposed for both petroleum and CCUS evaluations.





Processing Parameters Include

- DUG Broad receiver & source deghosting
- SRME, SWSRME & Radon demultiple
- Five passes of reflection & refraction tomography
- 12Hz Diving Wave FWI
- Anisotropic pre-stack Kirchhoff depth migration

Deliverables

- Final PreSDM Gathers
- Full fold stacks & angle stacks in time & depth
- Migration velocities in time & depth
- Processing report

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