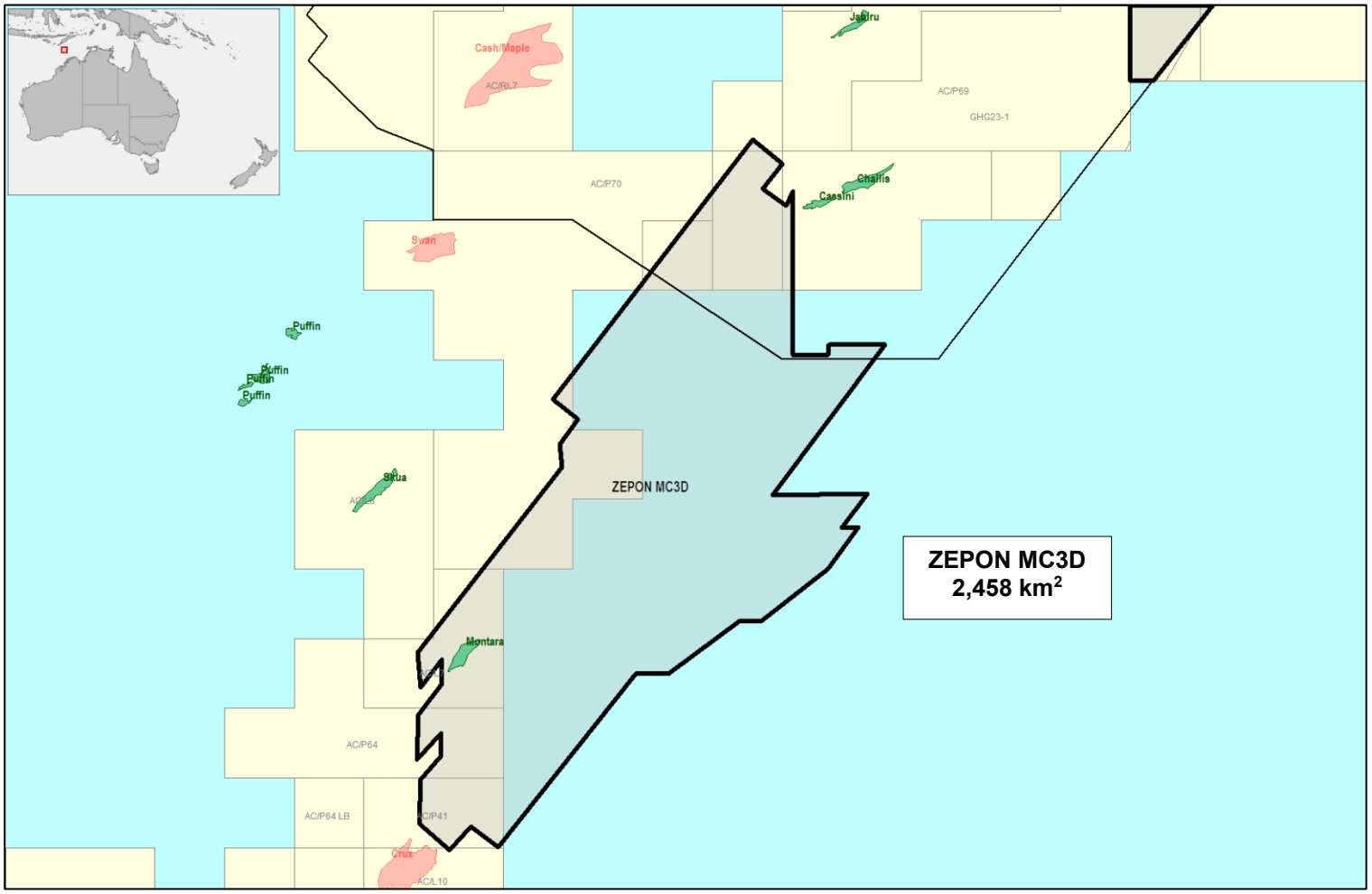
ZEPON MC3D

Vulcan Sub-Basin Zeppelin & Onnia 3D

MCR Multi-Client Resources



Project Overview

A PreSDM reprocessing of part Onnia (1998) & Zeppelin (2012) legacy 3D surveys producing a contiguous 2,450km^2 enhanced 3D imaging over the Montara Terrace and Anson / Talbot Horst on the eastern margin of the Vulcan Sub-Basin.

The surveys were binned separately and processed through DUG's advanced de-ghosting, de-multiple flow and combined into a multi-azimuth anisotropic PreSDM.

Enhanced seismic imaging has increased confidence of existing leads and prospects and reveals previously unrecognised traps and has opened up new plays in the area.

Covers the Montara field, ties key exploration wells over held and open acreage where proven oil & gas plays are known to exist within the Cretaceous, Jurassic and Triassic.

Joins the NOVAR MC3D survey to the northeast providing 17,650 km^2 of continuous 3D PreSDM reprocessed data coverage across the Vulcan-Sub basin, Nancar Trough and Laminaria High.

Petrophysics, Rock Physics & Stochastic modelling study available independent of seismic data.

Simultaneous Inversion Products & QI Study available with seismic.

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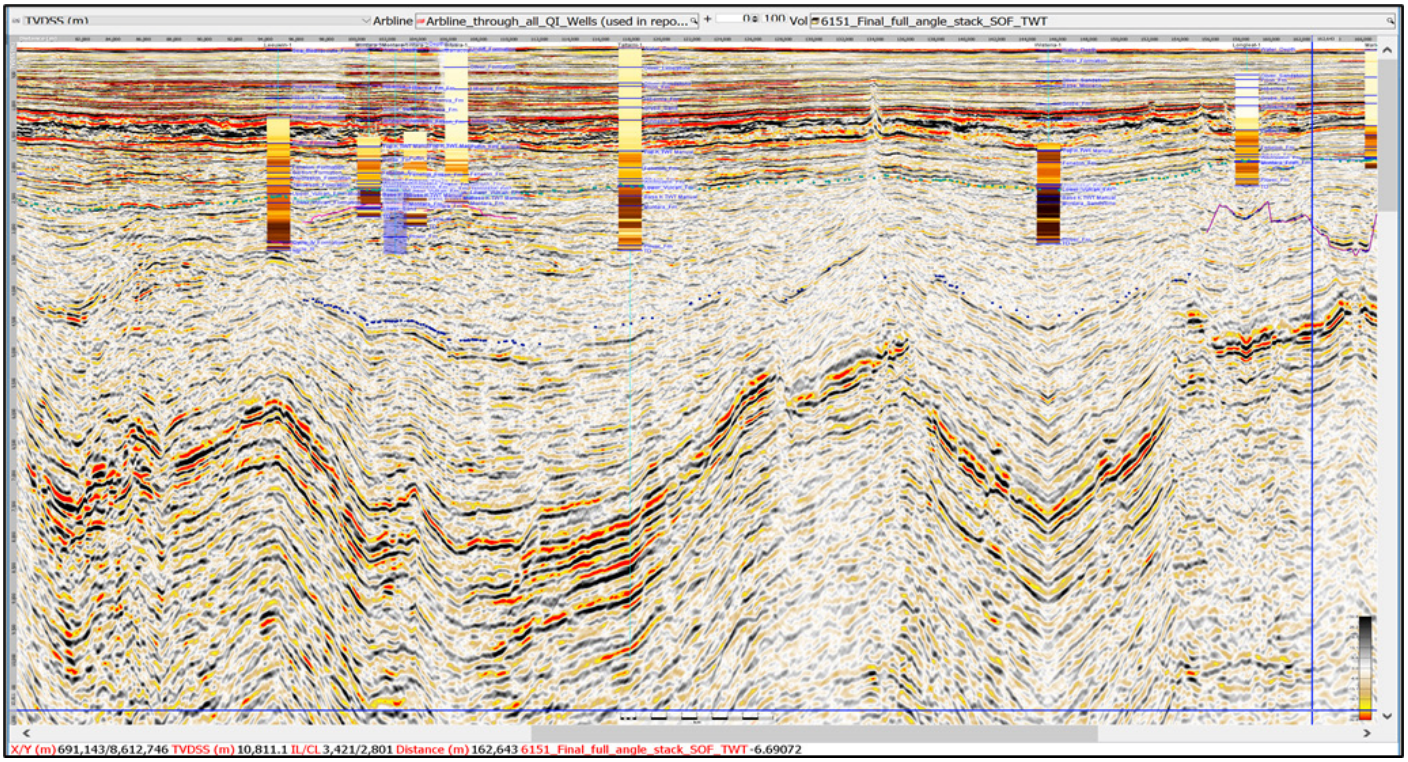
Processing Parameters

Processing parameters include:

- DUG Broad – Receiver and source deghosting
- Shallow Water Demultiple (SWaMP)
- Surface Related Multiple Eliminator (SRME)
- Interbed Multiple Eliminator (IME)
- 4D Regularisation (DUG Reg)
- Depth domain tomography (5 iterations)
- Kirchhoff TTI Anisotropic pre-stack depth migration

Deliverables

- **Image gathers after migration**
- **Full fold stacks & angle stacks in time & depth**
- **Simultaneous Inversion – extensive suite of products**
- **Petrophysics, Rock Physics & modelling study**
- **QI Study**



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