



West Timor – Indonesia – 2018

West Timor 3D GeoStreamer®

Unlocks the petroleum potential of the deep plays in West Timor with advanced imaging technology.

This MC3D survey offers a broader understanding of the area with better imaging of the deepest targets under the accretionary prism. Builds on proven fields with extension on both sides of the border.

In partnership with:



The working petroleum generative system in the region is demonstrated by the abundance of oil and gas seeps. This high-quality seismic dataset offers unprecedented resolution from overburden to target level, including the deeper section.

Detailed GeoStreamer data from shallow to deep, acquired with good spatial sampling using a triple-source configuration with high-density cross-line recording. Advanced imaging techniques exploit low-to-high frequencies, providing clearer images and more reliable data for AVO/AVA analysis.

SURVEY SUMMARY

Type: 3D
Geostreamer: Yes
Geometry: Other
Size: 4543.5 sq. km
Acquisition year: 2018
Completion of processing: 2018
Water depth: 500-2400 m
Shooting direction: NW-SE
Vessel: PGS Apollo
In partnership with: MIGAS

ACQUISITION PARAMETERS

Number of streamers: 12
Streamer length: 7050 m
Streamer separation: 75 m
Shot interval: 12.5 m
Record length: 9 ms
Sample rate: 2 ms
Bin dimensions (Processing): 12.5x12.5 m
Fold: 94

PROCESSING AND DELIVERABLES

Processing: Kirchhoff prestack depth migration (PSDM)

Depth products: Final Kirchhoff PSDM stack, PSDM angle stack near, PSDM angle stack mid, PSDM angle stack far, PSDM angle stack u-far, PSDM gathers, Velocity model

Time products: Final post-stack time migration, Angle stack near, Angle stack mid, Angle stack far, Angle stack u-far, PSTM gathers, Stacking velocity, Migration velocity

Additional products: Interpretation