



Lombok Basin - Indonesia - 2009

Lombok Basin 2D

This dataset provides explorers with insight into the underexplored Bali-Lombok Basin

PGS acquired 3 927 line km of MultiClient 2D (LB-07 & NL-09 MC2D) data located within the unexplored Bali-Lombok Basin. using long offset data to reveal the deep structures of the Ngimbang formation.

In partnership with:



Paleocene to Eocene syn-rift clastics and reef/platform carbonates, Oligocene to Early Miocene carbonate buildups and folded anticlines, Middle to Late Miocene structural and structural and stratigraphic traps, and overlying Pliocene turbidite sands can be interpreted from the seismic.

The survey was acquired with 8 km streamer with recording to 12 sec and 9 sec to reveal the Ngimbang for the first time.

SURVEY SUMMARY

Type: 2D
Geometry: Standard
Size: 3 927 km
Acquisition year: 2009
Completion of processing: 2009
Shooting direction: Various
Vessels: Orient, Fersman
In partnership with: MIGAS

ACQUISITION PARAMETERS

Number of streamers: 1
Streamer length: 7 950 m
Shot interval: 25 m
Record length: 12 288-9 216 ms
Source depth: 6 m
Sample rate: 2 ms
Bin dimensions (Acquisition): 6.25 m
Bin dimensions (Processing): 12.5 m
Fold: 159

PROCESSING AND DELIVERABLES

Processing: 2D surface related multiple elimination (SRME), High resolution radon demultiple, Kirchhoff prestack time migration (PSTM)

Time products: Final Kirchhoff PSTM Stack, Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Migration velocity

Additional products: Interpretation