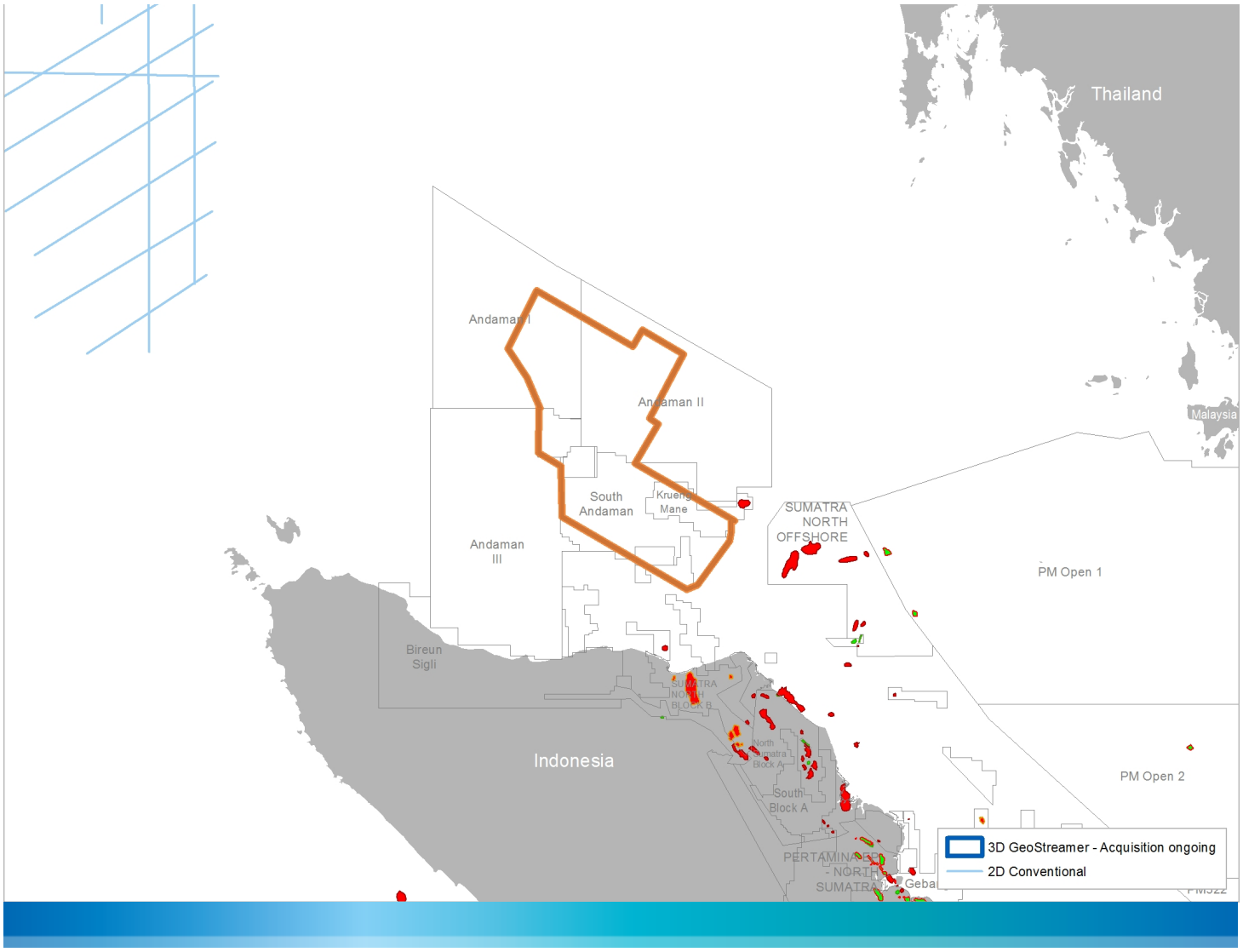

North Sumatra - Andaman Sea – Indonesia – 2018

North Sumatra 3D GeoStreamer®

PGS is covering the Andaman basin with MC3D GeoStreamer

This survey targets the central and western margin of the North Sumatra Basin, expanding understanding beyond existing discoveries and shelfal-related wells along the southern and eastern margin of the basin.

The current plays are Miocene carbonates, Miocene / Pliocene clastics and deeper Oligocene syn-rift, with a deeper, untested, syn-rift play and kitchen extension.

PGS GeoStreamer technology will provide resolution of structure at all depths, from overburden to target structures and basement, to provide a better understanding of the rift section and structural definition, and unlock the basement together with the kitchen distribution.

North Sumatra 3D GeoStreamer®

SURVEY SUMMARY

Type: 3D
Geostreamer: Yes
Geometry: Standard
Size: 8963.8 sq. km
Acquisition year: 2018
Completion of processing: 2019
Water depth: 60-1500 m
Shooting direction: NW-SE
Vessel: PGS Apollo
In partnership with: NA

ACQUISITION PARAMETERS

Number of streamers: 10
Streamer length: 8025 m
Streamer separation: 112.5 m
Shot interval: 16.667 m
Record length: 10 ms
Sample rate: 2 ms
Bin dimensions (Acquisition): 6.25 x 18.75 m
Bin dimensions (Processing): 12.5 x 12.5 m
Fold: 80

PROCESSING AND DELIVERABLES

Processing: P-UP generation, 3D surface related multiple elimination (SRME), Wave equation 3D SRME, High resolution radon demultiple, HyperTomo velocity model building, Full waveform inversion (FWI), Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM), Anisotropic Kirchhoff prestack time migration (PSTM), 3D Surface Related Multiple Elimination (SRME), 2D Surface Related Multiple Elimination (SRME), High Resolution Radon Demultiple, XT / Tau-P Deconvolution, Kirchhoff Pre-Stack Time Migration (PSTM), Kirchhoff Pre-Stack Depth Migration (PSDM), Anisotropic Kirchhoff Pre-Stack Time Migration (PSTM), Post-Stack Time Migration

Depth products: Final Kirchhoff PSDM Stack, Angle PSDM Stack Near, Angle PSDM Stack Mid, Angle PSDM Stack Far, Angle PSDM Stack UFar, PSDM Gathers, Velocity Model

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

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