

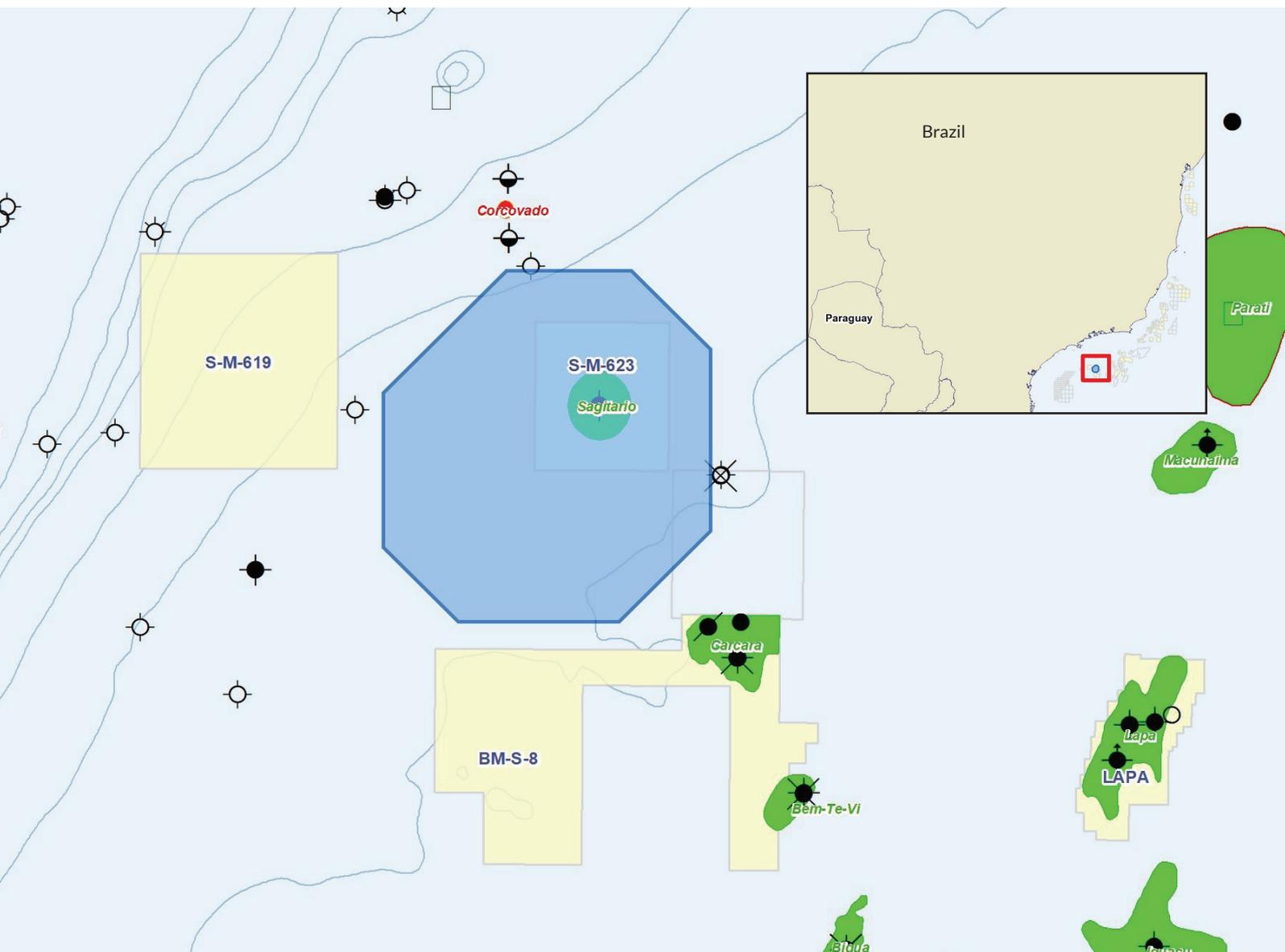
# Brazil BM-S-50

Multi-Client Seismic Survey, Santos Basin, Brazil

## Overview

The 1,600 sq. km Multi-Azimuth Multi-Client 3D Survey is located over Block BM-S-50 and adjacent open acreage in the prolific pre-salt play in the Santos Basin, offshore Brazil. The survey covers the Sagitario pre-salt prospect, on which Petrobras and partners completed a formation test in 2014 that confirmed excellent carbonate reservoirs (159m thick) and bearing good quality oil (32 degree API) at a depth of 6,144m. Additionally, the survey extends into the adjacent open acreage, allowing companies to further derisk the full pre-salt prospectivity of the surrounding area prior to the 4<sup>th</sup> and 5<sup>th</sup> Pre-salt Production Sharing Bidding Round.

Diverse exploration targets range from Post to Pre-Salt sequences. Post-Salt: structural carbonate prospects (Albian limestones), or deep-water clastic plays in the Upper Cretaceous to Lower Tertiary with a possible combination of structural and stratigraphic trapping. Pre-Salt: in the rift and prerift sequence there is the possibility of subtle clastic reservoirs in the Paleozoic to the Lower Cretaceous section, and in the sag section, large structural features that might contain the excellent microbialite carbonates found in Sagitario and in the nearby Carcará field. With the latest pre-salt wells averaging up to 20,000bopd, the BM-S-50 is an excellent area to explore this prolific basin.

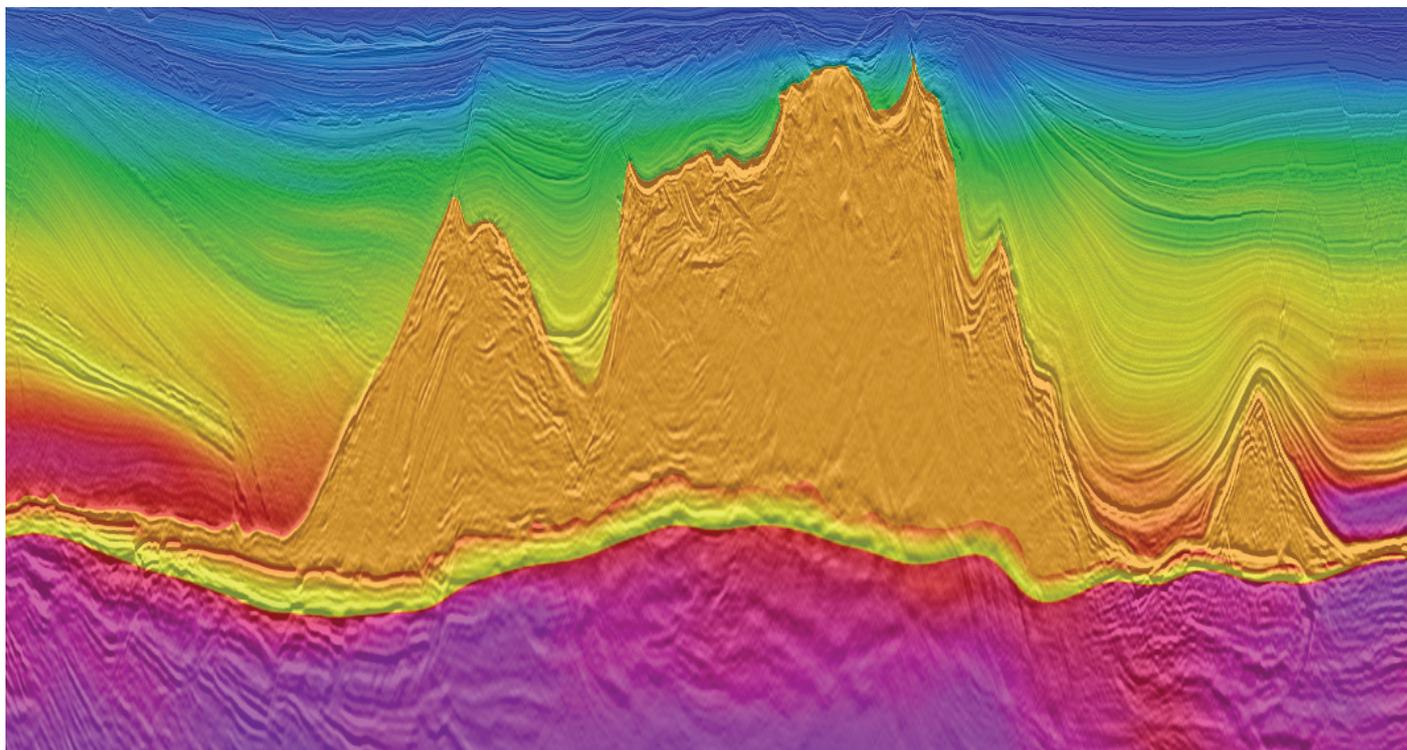


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## Survey Parameters

The survey was acquired by Polarcus Adira in 12 x 75m x 8100m configuration, with 25m flip/flop shot interval and 10.5s record length. The azimuths 45 and 135 were acquired after a detailed illumination study focused on the Pre-salt. The resulting imaging will provide your New Ventures team with an excellent tool to both assess the complex faulting in the pre-salt and the optimal mapping of main events. Final Multi-Azimuth PSDM deliverables are now available, including Kirchhoff, Beam and RTM volumes.



*Multi-Azimuth IL example with Final Velocities overlay*

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