



Brazil - 2009

Brazil 2D GeoStreamer

Regional PSDM lines providing the well ties of the major presalt hydrocarbon discoveries in Brazil

Brazil 2D GeoStreamer is a high-quality imaging, PSDM survey offering a powerful tool for regional interpretation, calibration and understanding of the main petroleum system elements of the Brazilian presalt play in both Santos and the frontier deepwater Campos area.

This 2D survey ties the main presalt and postsalt discoveries in Santos (e.g. Mexilhão, Lula, Tupi, Sapinhoá) to the other highly prospective areas covered by PGS PSDM surveys. It could be interpreted in conjunction with similar GeoStreamer survey in Africa counterparts

A multisensor GeoStreamer 2D PSDM volume providing a high-quality seismic data together with the better understanding of the petroleum systems and regional to sub-regional calibration for 3D interpretations, mainly of the presalt play, in the Campos/Santos basins and its African conjugate basins.

SURVEY SUMMARY

Type: 2D
Geostreamer: Yes
Size: 2175 km
Acquisition year: 2009
Completion of processing: 2009
Vessel: Falcon Explorer

ACQUISITION PARAMETERS

Number of streamers: 1
Streamer length: 12000 m
Source depth: 9 m
Sample rate: 2 ms

PROCESSING AND DELIVERABLES

Processing: P-UP generation, Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM), Beam depth migration, SRME, Radon, WEM prestack depth migration (PSDM)

Depth products: Final Kirchhoff PSDM stack, Final beam PSDM stack, Final WEM PSDM stack, PSDM angle stack near, PSDM angle stack mid, PSDM angle stack far, PSDM gathers, Velocity model

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