



Campos - Brazil - 2020/2021

## Campos Deepwater GeoStreamer X 3D GeoStreamer (In Processing)

Modern GeoStreamer and reprocessed legacy orthogonal data to illuminate the DW Campos presalt play

Campos Deepwater GeoStreamer X satisfies the industry's demand for accurate seismic imaging of the presalt hydrocarbon plays offshore Brazil and delivers the most geologically sound dataset to date. It mitigates exploration risk and provides a reliable seismic foundation to pursue new opportunities.

The Brazil presalt play fairway is a focus for many companies. Proven reservoir potential is present within the microbiolite and coquinas formations/structures, which contain large hydrocarbon accumulations. Brazil's production from presalt continues to rise.

This north-south azimuth long offset data will be instrumental in extending the presalt play north into the Campos Basin. Continuous broadband Kirchhoff/RTM PSDM data are available to address the presalt reservoir in depth to save drilling costs.

**SURVEY SUMMARY**

**Type:** 3D  
**Geostreamer:** Yes  
**Geometry:** Standard  
**Size:** 14987 sq. km  
**Acquisition year:** 2020/2021  
**Completion of processing:**  
2020/2021/2022  
**Water depth:** 1800-3200 m  
**Shooting direction:** 0/180  
**Vessel:** Ramform Titan

**ACQUISITION PARAMETERS**

**Number of streamers:** 14  
**Streamer length:** 10050 m  
**Streamer separation:** 100 m  
**Shot interval:** 25 m  
**Record length:** 15 ms  
**Source depth:** 8 m  
**Sample rate:** 2 ms  
**Bin dimensions (Acquisition):** 6.25 x 25 m  
**Bin dimensions (Processing):** 12.5 x 12.5 m  
**Fold:** 100

**PROCESSING AND DELIVERABLES**

**Processing:** P-UP generation, Full source deghosting, Full source and receiver deghosting (conventional data), 3D surface related multiple elimination (SRME), High resolution radon demultiple, HyperTomo velocity model building, Full waveform inversion (FWI), Kirchhoff prestack depth migration (PSDM), Reverse time migration (RTM)

**Depth products:** Final Kirchhoff PSDM stack, Final multi-azimuth (MAZ) stack, Final RTM PSDM stack, PSDM gathers, Anisotropy and velocity models, PSDM Angle Stacks

**Additional products:** Gravity, Magnetics, Interpretation