



Ceará – Brazil – 2015

## Fortaleza 3D GeoStreamer

### Brazil equatorial margin play with proven exploration success

Ceará on the equatorial margin of Brazil is an underexplored deepwater basin that is on strike to discoveries at Pecem and Pitu. This dataset targets Cretaceous to Lower Tertiary reservoirs.

The survey images upper slope to lower slope fan channel complexes sourced by rich Cretaceous source rock. Reservoir intervals from Cretaceous to Lower Tertiary are imaged by high fidelity GeoStreamer data. Analog prospects have been drilled in the conjugate margin in West Africa and in Guyana.

Modern broadband AVO-compliant signal processing with GeoStreamer data to time and depth for the best fidelity of seismic attributes.

**SURVEY SUMMARY**

Type: 3D  
Geostreamer: Yes  
Size: 7162 sq. km  
Acquisition year: 2015  
Completion of processing: 2016  
Vessel: Ramform Atlas

**ACQUISITION PARAMETERS**

Number of streamers: 14  
Streamer length: 8000 m  
Streamer separation: 100 m  
Shot interval: 25 m  
Record length: 10240 ms  
Source depth: 8 m  
Sample rate: 2 ms  
Bin dimensions (Acquisition): 25x6.25 m  
Bin dimensions (Processing): 12.5x12.5 m  
Fold: 81

**PROCESSING AND DELIVERABLES**

**Processing:** P-UP generation, 3D surface related multiple elimination (SRME), Kirchhoff prestack depth migration (PSDM), Beam depth migration

**Depth products:** Final Kirchhoff PSDM stack, Final beam PSDM stack, PSDM gathers, Velocity model, PSDM angle stacks

**Additional products:** Gravity, Magnetics