



#### Sergipe-Alagoas Basin – Brazil – 2014

## BM-SEAL-10/11 (Bonita) 3D GeoStreamer

The survey covers the central part of the Sergipe-Alagoas Basin containing several discoveries

The Farfan/Barra/Moita Bonita discoveries are in the Upper Cretaceous. Attributes using GeoStreamer data in the SEAL 10/11 survey demonstrate the potential for prospects in deep water Sergipe Basin. Mapping of the proposed source interval shows mature source for the area.

The reservoir intervals for the discoveries and fields updip and along strike to SEAL Pirambu are the first productive intervals in the basin. Base of slope and basin floor fans potentially extend into deeper water. Exploration for these intervals is expected to continue into the future.

Reprocessed to match the SEAL Pirambu survey acquired in 2018.

**SURVEY SUMMARY**

Type: 3D  
Geostreamer: Yes  
Size: 4567 sq. km  
Acquisition year: 2014  
Completion of processing: 2015  
Shooting direction: 119 / 299  
Vessel: Ramform Viking

**ACQUISITION PARAMETERS**

Number of streamers: 12  
Streamer length: 8000 m  
Streamer separation: 75 m  
Shot interval: 25 m  
Record length: 10000 ms  
Source depth: 7 m  
Sample rate: 2 ms  
Fold: 80

**PROCESSING AND DELIVERABLES**

**Processing:** 3D surface related multiple elimination (SRME), Kirchhoff prestack time migration (PSTM), Beam depth migration, Radon and residual, Anisotropic Kirchhoff Pre-Stack Depth Migration (PSDM)

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

**Time products:** Final Kirchhoff PSTM Stack, PSTM gathers, Stacking velocity, Migration velocity, Angle stacks

**Additional products:** Gravity, Magnetics