Offshore – Namibia – 2013

NAM Deepwater 2D GeoStreamer®

New GeoStreamer with GeoSource regional survey covering Namibia's deepwater blocks

High quality, regional seismic data over frontier area offshore West Africa, to assist in the exploration, understanding and derisking of this potentially prolific hydrocarbon province.

Detailed images of syn-rift and post-rift structures that will enable more confident identification and mapping of prospects analogous to those prolific in the South American conjugate margins. Significantly derisks exploration in a frontier area where well costs are high.

GeoStreamer with GeoSource is an acquisition-based, broadband solution that removes both the source and receiver ghosts at an early stage in the pre-processing sequence. This has advantages in subsequent processing and produces high quality pre-stack and post-stack data.
## SURVEY SUMMARY

- **Type:** 2D
- **Geostreamer:** Yes
- **Geometry:** Standard
- **Size:** 9,948 km
- **Acquisition year:** 2013
- **Completion of processing:** 2014
- **Water depth:** 146 - 6,500 m
- **Vessel:** Sanco Spirit
- **In partnership with:** Ministry of Mines and Energy and NAMCOR

## ACQUISITION PARAMETERS

- **Number of streamers:** 1
- **Streamer length:** 10,050 m
- **Shot interval:** 37.5 m
- **Record length:** 12,000 ms
- **Source depth:** GeoSource 10/14 m
- **Sample rate:** 2 ms
- **Bin dimensions (Acquisition):** 6.25 m
- **Fold:** 134

## PROCESSING AND DELIVERABLES

- **Processing:** P-UP generation, High resolution radon demultiple, Kirchhoff prestack time migration (PSTM), 2D SRME Demultiple
- **Time products:** Final Kirchhoff PSTM Stack, PSTM gathers, Stacking velocity, Migration velocity, Angle Stacks
- **Additional products:** Gravity, Magnetics

Example of a post-rift section, which has proven reservoir potential in shallow marine platform carbonates, deep marine turbidites and Lower Tertiary fans.

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