ANG Kwanza 3D GeoStreamer®

26 400 sq. km of GeoStreamer data to support the exploration of Kwanza and Benguela Basins

This high quality 3D dataset in the prospective Angola offshore area provides excellent imaging of presalt structures and sediments.

Explore a detailed image of the presalt basement, syn-rift, and sag-phase sediments. Ideal for prospect identification and analysis, and enabling direct comparisons with the presalt of the prolific Brazilian margin.
SURVEY SUMMARY

Type: 3D
GeoStreamer: Yes
Geometry: Standard
Size: 26 300 sq. km
Acquisition year: 2012
Completion of processing: 2014
Water depth: 200 - 3 000 m
Shooting direction: 180/360
Vessels: Ramform Valiant, PGS Apollo
In partnership with: Sonangol

ACQUISITION PARAMETERS

Number of streamers: 10
Streamer length: 8 100 m
Streamer separation: 100 m
Shot interval: 25 m
Record length: 10 000 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: 81

PROCESSING AND DELIVERABLES

Processing: P-UP generation, 3D surface related multiple elimination (SRME), High resolution radon demultiple, Kirchhoff prestack time migration (PSTM), Kirchhoff prestack depth migration (PSDM), Beam depth migration

Depth products: Final Kirchhoff PSDM stack, Final beam PSDM stack, PSDM gathers, Velocity model, Angle Stacks, Final WEM PSDM Stack (Blk 25 & 40), Final MAZ PSDM Stack (Blk 24)

Time products: Final post-stack time migration, PSTM gathers, Angle Stacks

Additional products: Gravity, Magnetics

Example dip line taken through the Kwanza MC3D GeoStreamer dataset showing significant presalt and postsalt prospectivity.