This is the missing link that enables the integrated exploration joining the West Africa Transform Margin to the Niger Delta Basins. Located at the meeting point between the Benin Embayment and the Benue Trough, this 3D dataset covers an area over blocks OPL314, OPL315, OPL321 and OPL323.

The primary source rock of the prolific petroleum system in Niger Delta province is organic-rich marine shale of the Akata formation, the main reservoir is the Agbada Formation. Many fields have been discovered to the south and east, including the giant Bosi (1996), Erha (1999) and Oyo North (2018).

Optimized denoising algorithms and a full deghosting sequence improve data bandwidth and signal-to-noise ratio. The multiple attenuation sequence eliminates complex multiples, and a full-velocity model building sequence, together with a depth migration, improves the image integrity.
SURVEY SUMMARY
Type: 3D
Geometry: Standard
Size: 2969.3 sq. km
Acquisition year: 2004
Completion of processing: 2019
Reprocessed: Yes
Water depth: 500 - 2000 m
Shooting direction: 135 / 315
In partnership with: DPR

ACQUISITION PARAMETERS
Number of streamers: 8/10
Streamer length: 6300 m
Streamer separation: 75 m
Shot interval: 25 m
Record length: 8500 ms
Sample rate: 2 ms
Bin dimensions (Acquisition): 12.5 x 18.75 m
Fold: 60

PROCESSING AND DELIVERABLES


Agbada formation turbiditic reservoir facies are clearly delineated in the new reprocessed dataset.

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