An integrated geoscience approach that incorporates reprocessed 3D seismic together with processed results of operator well log data and reports has been used to identify a number of targets and improve understanding of the hydrocarbon systems.

The JDZ is situated in the outer compressional zone of the Niger Delta. East-west trending toe thrusts are typically observed in this region and numerous stacked reservoir targets and nearfield development opportunities have been identified.

3D seismic reprocessed in combination with well-log data to create a high-quality fully migrated product with a modern AVO friendly sequence that includes prestack time migration.
### SURVEY SUMMARY

- **Type:** 3D
- **Geometry:** Standard
- **Size:** 3 004 sq. km
- **Acquisition year:** 2002
- **Completion of processing:** 2003-2007
- **Reprocessed:** Yes
- **Water depth:** 1500-2300 m
- **In partnership with:** Joint Development Authority of Nigeria - São Tomé e Príncipe

### ACQUISITION PARAMETERS

- **Number of streamers:** 8
- **Streamer length:** 6 000 m
- **Streamer separation:** 100 m
- **Shot interval:** 25 m
- **Record length:** 9000 ms
- **Source depth:** 6 m
- **Sample rate:** 2 ms

### PROCESSING AND DELIVERABLES

- **Time products:** Final post-stack time migration, Final Kirchhoff PSTM Stack, Angle stack near, Angle stack mid, Angle stack far, PSTM gathers, Stacking velocity, Migration velocity
- **Additional products:** Interpretation

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Sand prone reservoir units pinching out against a thrust fault. One of a number of leads identified in the prospectivity study.

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