



WS D2 03

Seismic Method Strategies on Kaombo Project Field Development

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Summary

This presentation aims to explain the Seismic method strategies which are employed by Kaombo Geosciences Team in order to:

- Acquire the necessary seismic data where and when justified;
- Obtain the best images possible by close collaboration with (in house) seismic imaging center;
- Attain reservoir scale understanding for field development pattern optimization through seismic interpretation – a cross discipline exercise equally involving Asset geophysicists, geologists and reservoir engineers.

Abstract

Following a hydrocarbon exploration campaign that started with the acquisition of the first 3D seismic survey in 2000 on Angolan B32, the Kaombo Project was launched in 2014 for the development of six different fields discovered between 2003 and 2007.

The time span between the discoveries and the approval of the development project by Total EP Angola, its partners and Sonangol, the Concessionaire, offers quite a glimpse of the technical challenges Kaombo project represents. Subsurface assessment is among the Kaombo technical challenges due sometimes the particular geological conditions of each field, sometimes the characteristics of the environment surrounding it, and other times the limitations of the available datasets.

This presentation aims to explain the Seismic method strategies which are employed by Kaombo Geosciences Team in order to:

- Acquire the necessary seismic data where and when justified;
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- Attain reservoir scale understanding for field development pattern optimization through seismic interpretation – a cross discipline exercise equally involving Asset geophysicists, geologists and reservoir engineers.

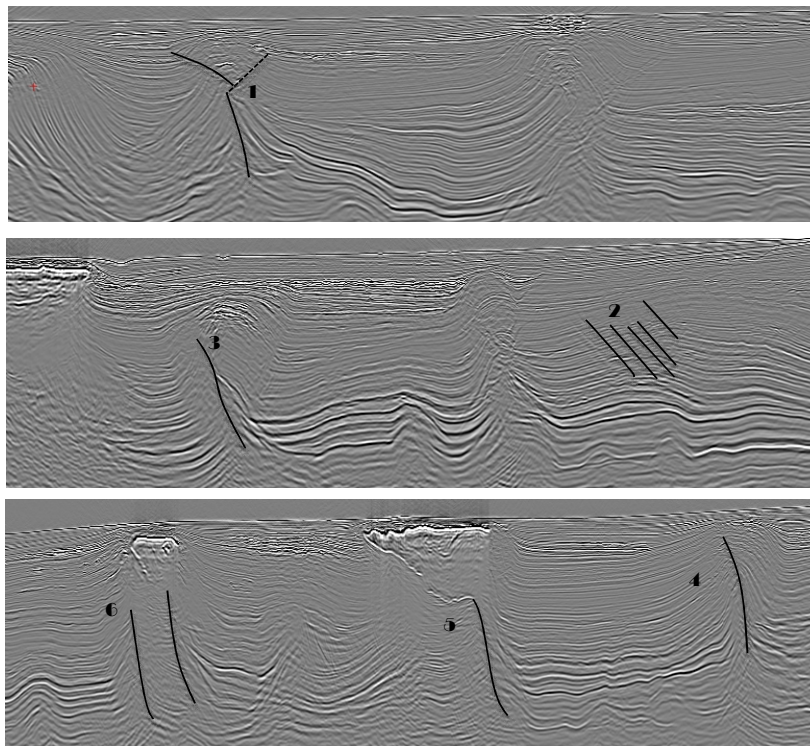


Figure 1 Kaombo fields geological context.