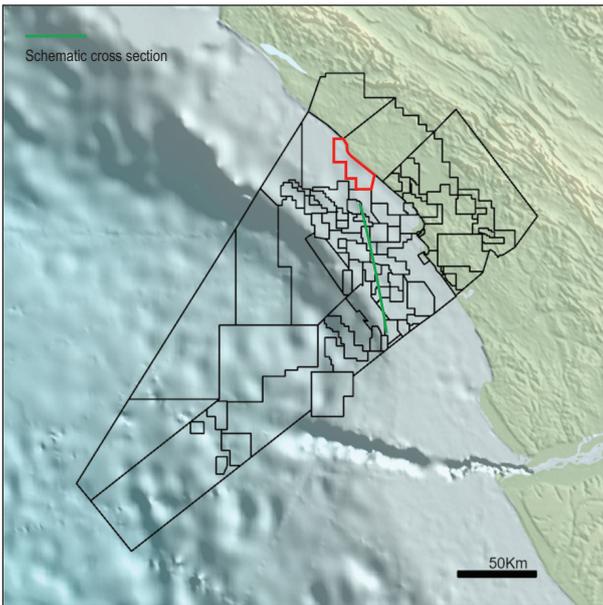
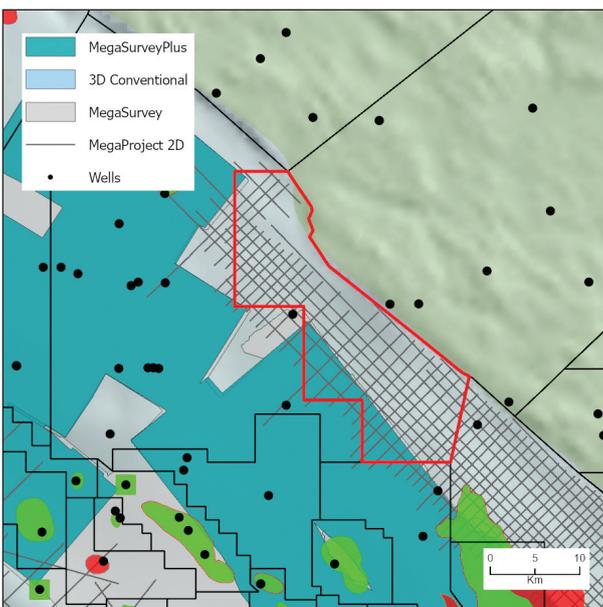


Permis Marine III A



Congo Coastal Basin



Seismic available, Permis Marine III A

Permis Marine III A is located offshore in the Congo Basin. It borders Permis Marine XXVI to the west, the Congo coastline to the north and two blocks to the south and east. It has an area of ~381.8 Km². The bathymetry of this coastal block ranges from 0 to 40m.

Typical plays expected in Permis Marine III A include Cenomanian sandstones, Sendji carbonates, and Pre-salt sandstones.

Cenomanian Sandstones

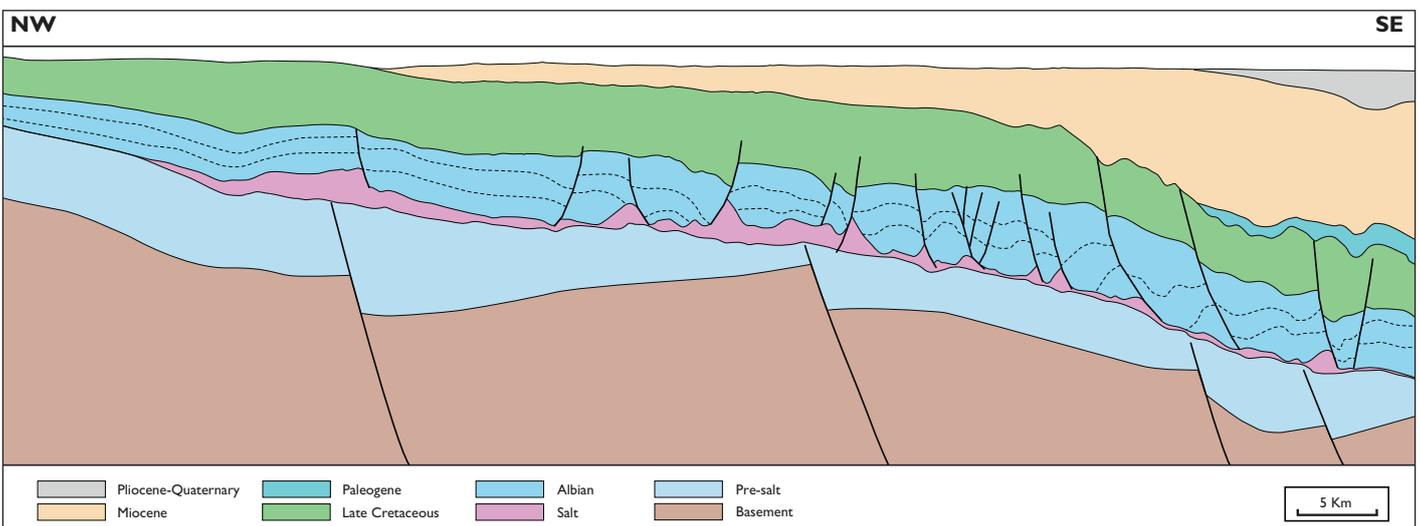
The Cenomanian Tchala Sandstone Fm is a reservoir for the nearby Tchibouela East Field. Hydrocarbons sourced from the Neocomian Marnes Noires Fm. Trapping structures are typically related to salt-induced rollover anticlines.

Sendji Carbonates

The Albian Sendji Fm is the primary reservoir for the nearby Loango, Yombo and Youbi fields. Hydrocarbons are sourced from the Neocomian Marnes Noires Fm. Trapping structures are typically related to salt withdrawal turtle-back features and salt-induced rollover anticlines.

Pre-salt Sandstones

Pre-salt reservoirs include sandstones of the Chela, Djeno and Vandji formations. The Vandji Marine Field encountered hydrocarbons within sandstones of the Pre-salt Chela and Lucula formations.

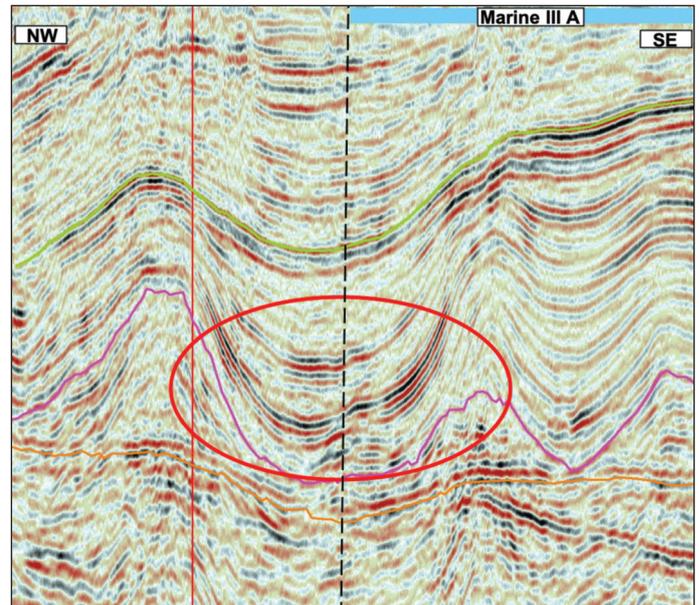


Schematic cross section

Lead 1 – Sendji Carbonates

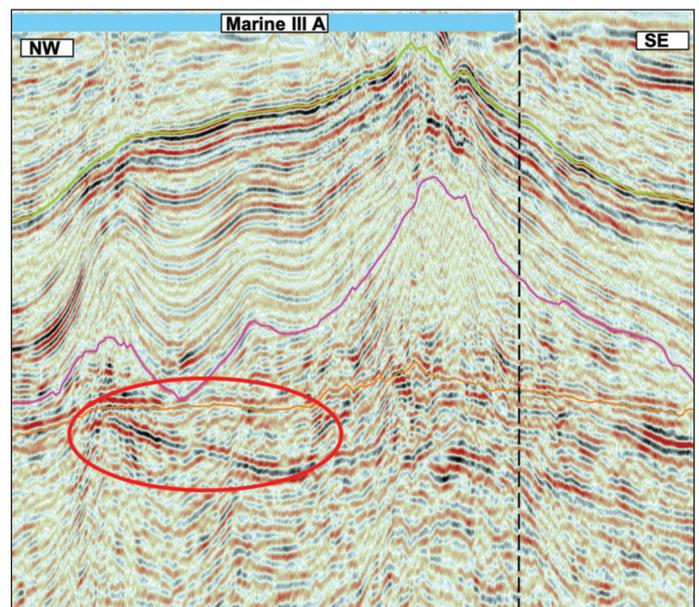
This lead is a high amplitude synclinal feature within the Sendji carbonates with potential for updip pinchout. These carbonates consist of dolomites, oolitic limestones and interbedded sandstone units, deposited in tidal channels in the lower part and as offshore bars and shore face units in the upper part.

Hydrocarbons are sourced from the Barremian Marnes Noires Fm shales migrating up faults. The nearby Loango and Youbi fields have working reservoirs within the Sendji Fm.



Lead 2 – Pre-salt

The postulated reservoir interval for this lead is the Chela Fm sandstones in a pinch out trap below the salt. The Pointe Noire Marl and lacustrine shales of the Djeno Sandstone Fm provide effective source rocks while the Loeme salt acts as a seal.



Lead 3 – Pre-salt

This lead is a high amplitude lens shaped reflector package in a pinchout trap beneath the salt. This is likely to be the Chela Fm sandstones overlying the basement. The Pointe Noire Marl and lacustrine shales of the Djeno Sandstone Fm provide effective source rocks.

