



Congo Coastal Basin



Seismic available, Permis Marine XXVI

Permis Marine XXVI

Permis Marine XXVI is located offshore in the Congo Coastal Basin. It has an area of 973.1 Km². The bathymetry of this coastal block ranges from 0 to 100m.

Permis Marine XXVI contains thirteen wells but no discoveries. Three of these wells recorded oil and/or gas shows in the Presalt Chela Fm. The majority of dry wells drilled in the block targeted the Pre-salt; two of the dry wells had Albian-Cenomanian targets. Typical plays expected in Permis Marine XXVI 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 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 Noires Fm (predominantly sourced from Type I/II kerogens). 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

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Lead I – Sendji Carbonates

This lead is a high amplitude faulted anticline within the Sendji carbonates. 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 reflector package in an anticlinal 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.







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