

# Permis Marine XXIX B

Permis Marine XXIX B is located offshore in the Congo Coastal Basin. It has an area of 134.0 Km<sup>2</sup>. The bathymetry of this block is generally <50 m.

Permis Marine XXIX B contains no wells. The nearby Litchendjili Gas-Condensate Field and Nene Oil Field have reservoirs in the Pre-salt Djeno Formation (Fm) sandstones. The nearby Loubana Field has reservoirs in the Cenomanian Tchala sandstones and the Sendji Field has reservoirs in the Albian Sendji carbonates. Typical plays expected in Permis Marine XXIX B include Cenomanian sandstones, Sendji carbonates and Pre-salt sandstones.

## Cenomanian Sandstones

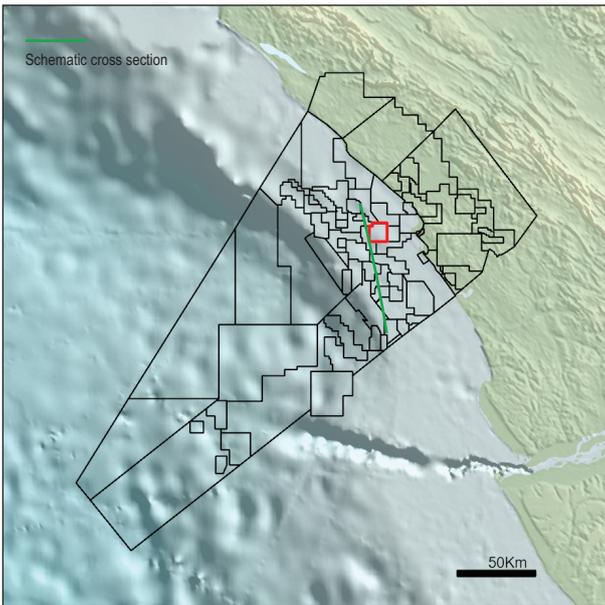
The Cenomanian Tchala Sandstone Fm is a reservoir for the nearby Loubana Field. Hydrocarbons are sourced from the Neocomian Noires Fm (predominantly sourced from Type I/II kerogens). Trapping structures are typically related to salt-induced rollover anticlines.

## Sendji Carbonates

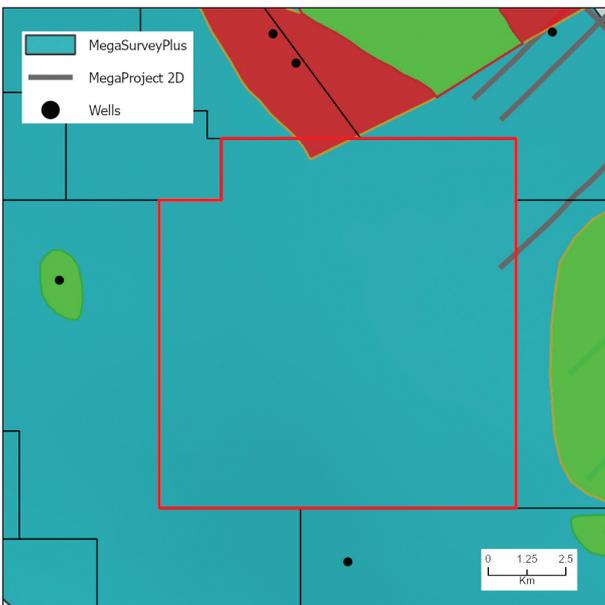
The Albian Sendji Fm is the primary reservoir for the nearby Sendji Field. Hydrocarbons are sourced from the Neocomian Noires Fm. Trapping structures are typically related to salt withdrawal turtle-back features and salt-induced rollover anticlines.

## Pre-salt Sandstones

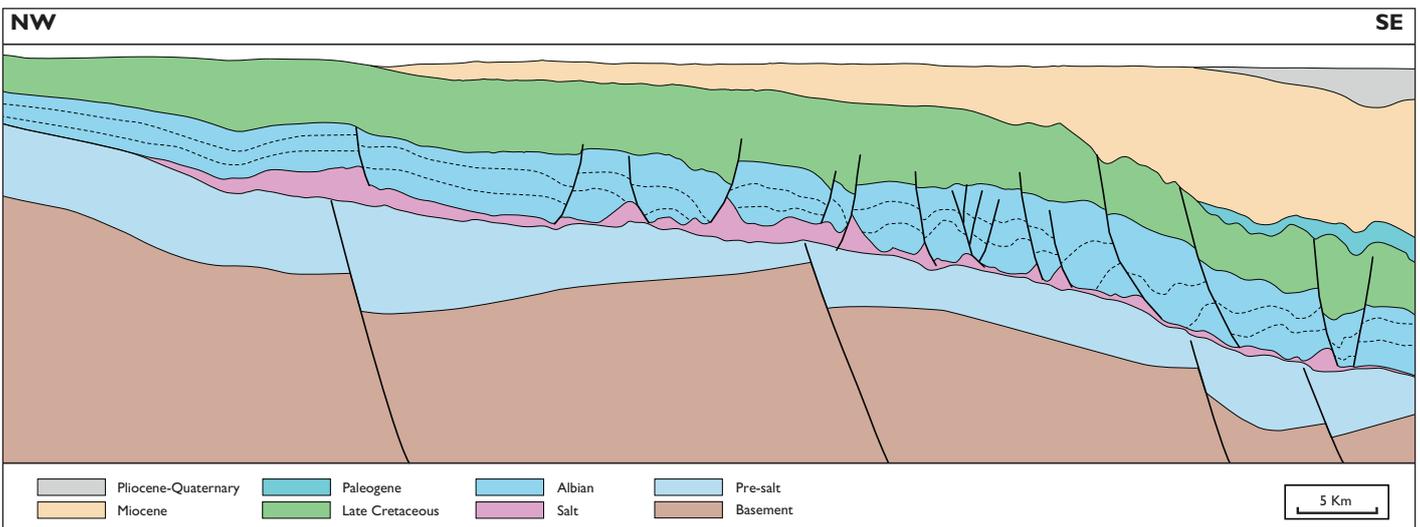
Pre-salt reservoirs include the Chela, Djeno and Vandji formations. The nearby Nene and Litchendjili fields encountered hydrocarbons within Pre-salt Djeno Fm sandstones. Trapping mechanisms are generally associated with stratigraphic pinch outs and tilted fault blocks.



Congo Coastal Basin



Seismic available, Permis Marine XXIX B

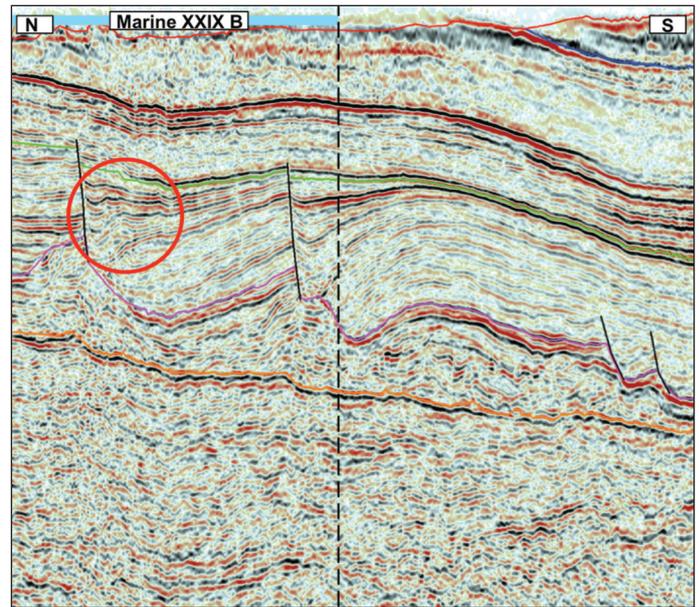


Schematic cross section

### Lead 1 – Sendji Carbonates

This lead is a salt-induced rollover anticline within the Sendji Fm 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.

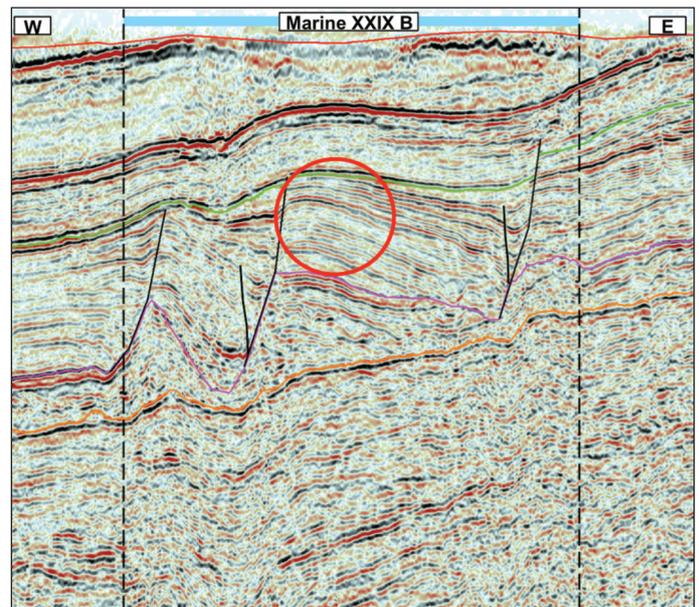
Hydrocarbons are sourced from the Neocomian Marnes Noires Fm shales migrating up faults. The nearby Sendji Field has a working reservoir within the Sendji Fm.



### Lead 2 – Sendji Carbonates

This lead targets a rollover anticline within a rotated block of Sendji Fm 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 generated from the Neocomian Marnes Noires Fm shales and emplaced via vertical migration along faults. The nearby Ikalou Field has a working reservoir within the Sendji Fm.



### Lead 3 – Pre-salt

This lead is a Pre-salt high amplitude reflector package within a tilted fault block. The postulated reservoirs are the sandstones of the Chela and Djeno formations. The Pointe Noire Marl and lacustrine shales of the Djeno Sandstone Fm provide effective source rocks.

