

## **Hydrocarbon Opportunities Offshore Atlantic Morocco: Agadir-Ifni segment**

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Hydrocarbons occur in many Basins of Morocco throughout the sedimentary sequence, from Paleozoic to Neogene. These hydrocarbons are represented by a variety of gas and liquid petroleum, in addition to a variety of seeps, and gas and oil shows. However, the insufficient exploration drilling has not yet established commercial accumulations in other basins which are hydrocarbon generating.

In the Atlantic Offshore of Morocco, hydrocarbon exploration started in the early sixties and was focalized on the Jurassic platform and the upper slope. Twenty nine wells were drilled so far, and the main results of this drilling campaign were the discovery of a non commercial heavy oil accumulation and oil and gas shows at different Meso - Cenozoic stratigraphic levels.

In this respect, Modern 2D and 3D seismic were acquired in the Atlantic Offshore, leading to the definition of new play concepts and the identification of new prospective zones.

Agadir basin is one of the most promising areas in the Offshore Atlantic of Morocco. This area offers three blocks A, B, and C covered by about 14637 Km of a 2D good quality seismic, and a total of about 8000 Km<sup>2</sup> of 3D seismic.

The play concepts developed are related to Cretaceous, Oligocene and Miocene turbidites related to salt tectonic.