

Prospective Hydrocarbon Potential of Blocks MD-7 MD-8 Deepwater Offshore Myanmar

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Abstract

This paper is aimed to demonstrate the prospective hydrocarbon play types in deepwater region, offshore Myanmar that is one of the most active emerging basins in the world. Blocks MD-7&MD-8 is located at the Andaman Trough. It is approximately 800 km south of Yangon and 260 km from Yetagun Gas Field. This area is under ultra-deepwater regime with water depth ranging from 700 to more than 3,000 m covering shelf, slope and basin-floor of Andaman Sea. It is classified as a back-arc basin as there is Andaman volcanic arc and an accretionary prism, which resulted from Indian plate subducted underneath Burmese plate, to the west. The area is considered as a yet-to-be-explored basin since there is no well drilled in the deepwater area; neither on the slope nor in the basin-floor. PTTEP as an operator had acquired 5,557 line-km of 2D seismic data and additional 255 line-km of controlled source electromagnetic (CSEM) in blocks MD-7 and MD-8.