

The Application of GeoTeric Cognitive tool for Post Stack 3D Data Conditioning, Frequency Decomposition and RGB Colour Blending in Moattama Basin Field, Offshore Myanmar

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ABSTRACT

The Moattama Basin, located in Tanintharyi Offshore Myanmar has been a tectonically active and dynamic basin since its formation in the Oligocene. It is a prolific hydrocarbon basin with fields producing from Lower Miocene, Middle Miocene, Pliocene and Pleistocene intervals. Having said that, there are still remaining opportunities, especially within and surrounding producing field that may require a different seismic interpretation approach for finding additional resources. This article aims to share the methodology applied and results of the analysis using the GeoTeric Cognitive Interpretation (CI) tool to assist the team for finding additional resources within and surrounding producing fields. The CI workflow can be used to detect subtle changes within the seismic signal, increase the confidence on the seismic interpretation and de-risk future exploration and appraisal wells. The study area will be using a 3D data set which was acquired in 1995.