

Hierarchical 3D Facies Model Capturing Conceptual Geology of Fluvial-Deltaic Environment in Zawtika Gas Field, Offshore Myanmar

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Abstract

Zawtika field is located in Block M9 in the Union of Myanmar. The field comprises multi-layered reservoirs characterized by the unique geology of its depositional environment. The first development phase was completed in 2014 with three production platforms. Information acquired from these development wells has sufficiently improved our understanding of the depositional environment, regional geology, sand development, and fluid characteristics so that we could construct a static model to quantify the gas volume in place and develop reservoir simulation models for further field development and production optimization.