

Application of Seismic Geomorphology for Frontier Hydrocarbon Exploration, South Anza Basin, East African Rift

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Abstract

Application of advanced methods of reservoir characterization for frontier exploration (East African Rift, South Anza Basin, Kenya) is discussed. The current portfolio of the exploration program consists of vintage wells, a number of sparsely spaced 2D data and recently shot small-size 3D (100 sq.km) aiming at selecting future drilling location.

Lack of geological and seismic data put some constrain on use of conventional geological and geophysical interpretation. However, application and integration of leading edge geological and geophysical methods of reservoir characterization makes it possible to substantially de-risk exploration efforts.