

Integrated Geological Interpretation Using Seismic and Non-seismic Methods for Hydrocarbon Exploration: a case Study in NELP-VI block in Mizoram, India

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The increasing complexity of new exploration targets in the NELP-VI Block (MZ-ONN-2004/1), interpretation process has been carried out using seismic and non-seismic methods. An example is drawn from a prospect in Mizoram NELP-VI Block where geochemistry, gravity and surface geological modeling are integrated with the recently acquired 2D seismic data sets to build geological and petroleum system models. During this study an attempt has been made to investigate the depths of various formations viz. near top Bhuban, Middle Bhuban, Lower Bhuban, top Renji, Intra Renji and Intra Jenam formations to assess probable potential locations of the hydrocarbon in this study area.