

**2D SEISMIC INTERPRETATION AND  
PETROPHYSICAL ANALYSIS OF MIANO AREA,  
CENTRAL INDUS BASIN, PAKISTAN**



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## **ABSTRACT**

Miano area is in Sindh Province, Central Indus Basin, Pakistan. For seismic interpretation horizons were marked with identification of faults. Horizons were identified as Habib Rahi Formation, Sui Main Limestone, and Lower Goru Formation. Contour maps of velocity, time and depth were generated giving a prominent aspect of subsurface structure and layout of area of study. Well logs were performed on Miano-07 to label the hydrocarbon bearing zone. Logging included Gamma ray log, Caliper Log, Neutron log, Density log, and Resistivity log. The rock parameters used for petrophysical interpretation are shale volume, primary porosity, effective porosity, total porosity, water saturation, hydrocarbon saturation and permeability. The zone of interest was marked in Lower Goru Formation which is a proven reservoir rock in other localities. However, the well was abandoned as the zone of hydrocarbon was not large enough to make it a pay zone.

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