

**PETROPHYSICAL ANALYSIS AND CORELATION OF MIANO-2
AND MIANO-5 WELLS, CENTRAL INDUS BASIN, PAKISTAN**



By

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ABSTRACT

This research work is carried out to evaluate the petrophysical analysis of Miano-02 and Miano-5 wells. The area is located in Taluka Saleh Pat, District Sukkur of Sindh Province, Pakistan. Tectonically the area lies in compressional regime. Miano-02 and Miano-5 wells have been drilled up to Lower Goru of Upper Cretaceous age. One potential zone each has been marked in sand reservoirs of Miano-02 and Miano-5 wells. Both zones have been marked in Lower Goru Formation. First zone of interest is starting from 3304m and having total thickness of 4m, while the second zone lies at the depth of 3334m with thickness of 2m in Miano-02 and Miano-5 wells respectively. All the basic logs were run at the level of both reservoirs. First zone of Lower Goru Formation in Miano-2 well exhibits 13.20% volume of shale, 14.78% effective porosity and 79.5% hydrocarbon saturation. Second zone of Lower Goru Formation in Miano-5 well exhibits 27.77% volume of shale, 5.74% effective porosity and 71.40% hydrocarbon saturation.

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