

**PETROPHYSICAL ANALYSIS OF MEYAL 10 WELL,
UPPER INDUS BASIN, PAKISTAN**



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ABSTRACT

Meyal field is located in district Attock near Pindi Gheb, 110 km southwest of Islamabad, bounded by latitudes 33°11'-33°22' N and longitudes 71°59'-72°18' E and is a part of the Meyal block which lies in the central part of Potwar plateau of Upper Indus basin.

The Potwar sub basin is dominated by the structural traps. In the present work, an attempt has been made to correlate the results obtained by well logs to obtain a structural model of the study area.

Well tops and well logs of Meyal-10P were acquired from Landmark Resources (LMKR) with the prior approval from the Directorate General of Petroleum Concession (DGPC). The foremost objective was to have an insight about the petrophysical characteristics of the area.

Petrophysical evaluation of well Meyal-10 carried out to highlight the reservoir area which included the selection of zone of interest followed by Log interpretation. The volume of shale, porosity and density was interpreted. On the basis of Petrophysical Evaluation it was noted that carbonate reservoirs of Chorgali and Sakesar are contributing as two reservoir zones in the area. Chorgali has the larger contribution.

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