

**PETROPHYSICAL ANALYSIS OF AHMADPUR-01 WELL  
AND BAHAWALPUR EAST-01 WELL, CENTRAL INDUS  
BASIN, PAKISTAN**



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## **ABSTRACT**

The petrophysical study of Bahawalpur East-01 well and Ahmadpur-01 well has been carried out in order to determine the reservoir zones. Both the wells are located in the Punjab Platform, Central Indus Basin, Pakistan. Geologically the area is forming a monoclinical structure with a gentle dip towards the Sulaiman Depression. Wireline log data of the two wells have been used for the petrophysical study. On the basis of log curve character, different zones of interests have been marked and the reservoir potential of both wells was determined. Samana Suk, Habib Rahi, Dunghan and Lower Goru formations were analyzed in the Ahmadpur-01 well while only Samana Suk Formation was analyzed in the Bahawalpur East-01 well. Dunghan and Habib Rahi formations have good reservoir potential with 71 and 46 percent hydrocarbon saturation respectively. While the rest of the zones were mostly water wet.

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