Abstract

The purpose of study is to find the hydrocarbon potential of well, by evaluating their well logs which include, Porosity calculation, Shale volume calculation, Water saturation calculation, Permeability and to resolve lithology.

The results showed that the Khewra Sandstone is main reservoir rock. The Khewra contains10.67% average porosity, shale volume is 26.92% and water saturation is 25.96%. The porosity was calculated from the combination of bulk density (RHOB) and neutron porosity (NPHI) logs, shale volume was calculated from GR linear equation while water saturation was calculated from Indonesia equation.

The study represents that the well has potential to produce hydrocarbon.

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