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Estimation Remaining Reserves Amount of Crude Oil and Gas on the Well X by using Volumetric Method

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Volumetric method is one method of calculating oil and gas reserves in reservoirs that have been used in the oil industry to date. Data sources which become the main requirements in using this method are basic data such as log data, core rocks or side terraces, area estimates, Rf and fluid properties. This method is used to obtain a forecast of the remaining reserves of Well X for future use. Based on the data limitations in Well X there is only Logging (thickness) data whose range is between 650 m and 700 m, the recovery factor is assumed to be 100% and the area of distribution of wells in one block is 13 km^2. From the results of calculations using the volumetric method, the remaining reserves in well X are 320,853.63 STB and the remaining natural gas is 1,801,539.11 SCF.

Keywords: Logging, Oil and Gas, Remaining Reserves, Recovery Factor, Volumetric Method

Biography

Eddy Ibrahim is a professor from the Department of Mining Engineering at University of Sriwijaya.