

'Porosity evaluation of the "archival" full-size core using nuclear magnetic resonance

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Abstract

Project devoted to the porosity definition of the full-size core which for a long time is stored in the core library using nuclear magnetic resonance. The paper describes an experiment of the full-size carbonate core saturation by mineralized water and the measurement of its voids ratio. The work shows the possibility of using the NMR method for assessing the porosity of the «archival» full-size carbonate core on condition of the correct saturation process by model of formation water. The study can be further used to conduct similar experiments with full-size core from the oil bearing horizons layers.

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References

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