

The use of spectral sound meter in the study of the physical properties of oil and gas reservoirs

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Abstract

Filtration of fluids through porous media accompanied by the appearance of noise filtration. The spectrum of the noise depends on the type of the filtering fluid, the reservoir properties and flow regime. The paper presents the results of experimental studies of noise spectra arising from the filtration of gas and liquid samples through artificial and natural core deposits of the Republic of Tatarstan. The interpretation of the recorded spectra is proposed. The data obtained can be used in solving problems to determine the identity and properties of the working intervals reservoirs.
