

عنوان مقاله:

An Overview of the Application of Ultrasound in the Oil Industry

محل انتشار:

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خلاصه مقاله:

Considering the basic goals of the oil industry to use the methods of exploitation with minimal environmental destruction and pollution as well as low operating costs, the need to use new technologies such as ultrasonic waves in this industry is more than ever noticed. By studying earthquake seismic wave studies, researchers discovered that these waves and skin noises can affect the production of water or even oil. According to researches and experiments, ultrasonic waves have an important role in increasing the production and harvesting of oil from crude oil viscosity, the separation of asphaltene in crude oil, the removal of wax deposits, desalination and dehydration of crude oil and .improving permeability had oil fields

کلمات کلیدی:

oil industry, environmental, ultrasonic, seismic wave, oil production, permeability

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