

عنوان مقاله:

Using a Commercial Simulator to Optimize and Evaluate the Effect of Different Gas Injection on Oil Recovery Factor of Oil Reservoirs in Iran

محل انتشار:

سومین کنفرانس بین المللی دستاوردهای نوین در علوم مهندسی و پایه (سال: 1394)

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نویسندگان:

Babak Moradpour Tayyebi - Zamin Kav Research Center (ZKRC), Tehran, Iran

Maasoumeh Chenani - Firoozabad Branch, Islamic Azad University (IAU), Tehran, Iran

Hossein Barzegar Fathi - University of New South Wales (UNSW), Sydney, Australia

Muhammad Rizwan Haider - NED University of Engineering and Technology, Karachi, Pakistan

خلاصه مقاله:

The production of a hydrocarbon reservoir pressure can drop and the pressure would continue until the other reservoir is not able to produce it naturally. So, to continue production methods must be used for secondary and tertiary. So in order to try to increase the recovery factor of oil reservoirs. Favorable physical conditions of the rock and fluid injection process gas can be used. In this article, a southwestern Iranian reservoirs intended And Different scenarios injection of nitrogen gas, carbon dioxide and methane under different conditions by simulation software is, until the best method is to inject the highest recovery factor obtained from the reservoir. Also the top layers perforate of injection and production wells for oil recovery and the optimal flow rate for each gas injection, in this study was to the .optimal for scenario of reservoir for enhanced oil recovery (EOR) concluded and recommended

کلمات کلیدی:

Simulation, Oil Recovery Factor, Miscible Injection, Immiscible Injection

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