

عنوان مقاله:

Evaluation of Non-Hydrocarbon Gas Injection in Fractured Carbonate Reservoirs of Natural Asmari Reservoir Iran

محل انتشار:

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نویسندگان:

Ahmad latifi - Islamic Azad University of omideh

Bahram soltani - professor at Islamic Azad University of omideh

خلاصه مقاله:

Gas injection EOR processes is one of the most effective is one of the methods of naturally fractured reservoirs. The gas injection mechanisms Improve the utilization of molecular diffusion, gravity drainage, swelling within the matrix and displacement oil is viscous. The gas injection method of Gas injection, with injection) or non-matrix fusion of (and the injected gas flow rate on oil recovery from the reservoir rock matrix blocks Effective is fractured. Moving forces and gravity drainage is controlled by the interaction. It also increases the penetration and dispersion During the gas injection resulted in enhanced oil recovery. In this study, the main purpose of the study and simulation of non-hydrocarbon fluid injection of carbon dioxide into reservoirs Gachsaran oil field. Nitrogen and other gases carbon dioxide Hydrocarbons, which are available for injection. MMP by simulation thin tube is estimated to be equal to 2700 feet. PVTi made by the reservoir fluid model and a model tank sector Dual porosity by activating the built-in gravity drainage and the influence of molecular simulation is conducted by the Eclipse 300. Various simulation of water injection, gas injection, gas injection of carbon dioxide is done best by a factor of carbon dioxide Recycling 47.8 percent

کلمات کلیدی:

fractured reservoirs, gravity drainage, gas, oil recovery, Asmari, molecular diffusion

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