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عنوان مقاله:
Investigation of the Effect of Gravity Drainage Mechanism on the Recovery Factor

محل انتشار:
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خلاصه مقاله:
Gravity drainage is important in some of oil recovery processes especially in carbonate reservoirs of Iran. Understanding of gravity drainage process has important role on prediction of oil production from the reservoir. In this paper, an attempt to investigate the effect of different fluid and matrix permeability on recovery factor in forced gravity drainage. Results showed that by increasing the ratio of density to fluid viscosity, the recovery factor increase. CO2 and N2 were used for injecting gas. In CO2 injection more recovery factor than N2 injection were observed. Also, it is found that the matrix permeability and the recovery coefficient and production flow have a direct relationship

کلمات کلیدی:
Fractured reservoirs, Gravity drainage, Recovery factor, Injection gas, Forced gravity drainage

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