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Original Research Article

Investigation and Possibility of Applying Gas Injection Method to Increase Pressure in Well A in one of the South Iranian Oil Fields

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ABSTRACT

According to the studies, increasing the injection pressure at the surface will not have much effect on increasing the production flow of the well therefore, taking into account the economic cost, making changes to increase the injection gas pressure is not justified. Increasing the injection gas flow rate will cause a significant increase in the production flow. Therefore, it is recommended that control valves cannot be installed in order to control the injection flow gas due to the operational limitations, by installing appropriate reducers in the injection flow gas path to increase the oil flow. In order to investigate the effect of increasing injection gas flow rate on production from one well, one injection of gas with flow was performed at about 12000000 SCF / DAY and again injection rate was increased to 15000000 SCF / DAY and then the results were compared.

Keywords: Oil Field, Well, Gas Injection