

Classification of Enhanced Oil Recovery Methods by Lithology

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Abstract : Rich Zagros basin of hydrocarbon bearing structures in the middle east has led to a number of oil and gas reservoirs in Iran are shared with neighboring countries. The reservoirs are integrated in geology, and in terms of property are communal . Border competition between neighboring countries has caused the shared reservoirs be in the top attention . In addition, Iran's largest oil and gas reservoirs are located in political boundaries . Therefore, a better understanding of the reservoir makes better use of them . In this article classified EOR methods base on lithology of the reservoirs and investigated the frequent EOR method(gas injection) in the carbonate reservoir that is the most reservoir lithology in Iran , gas has low viscosity and due to this property we need some complementary methods like foam flooding to overcome this disadvantage .

Keywords : Lithology , Carbonate , Gas injection , Foam flooding

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