

Gas fluids of low permeable rocks as a potential source of hydrocarbons

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Abstract

The possibility of the catalytic transformation of gaseous fluids of low permeable cap rocks oil fields in the low molecular weight hydrocarbons with the yield to 5% at the temperature 250 °C and a pressure of 12 atm in the presence of natural clays, activated by thermal or chemical action, as well as intercalation hydroxo aluminum salts as Keggin structures, while the highest activity is reached in the latter case.