

Neftyanoe Khozyaystvo - Oil Industry 2015 N8, pages 28-31

Dolomite reservoir rocks of the bashkirian stage on the southern slope of the South-Tatarian arch

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Abstract

The southern slope of South-Tatarian Arc contains a lot of oil deposits in the Upper Paleozoic including old deposits in the Devonian and the Lower Carboniferous rocks and new deposits in the Middle Carboniferous rocks, especially, the deposits in the carbonate rocks within the Bashkirian stage. This carbonate object is considered as one of the perspective among the Middle Carboniferous rocks to prospect and develop on investigated area. Core investigations allowed to reveal that the most part of the best reservoir carbonate rocks was found in the zones of the dolomite mineralization. Three-six intervals of higher reservoir rocks properties were established in the sections of the Bashkirian stage. It was observed the decreasing trend in the dolomite mineralization from the center to the periphery of anticline traps. Two crystalline types (cellular and blastogene) of dolomite rocks were revealed.

Keywords

Dolomite reservoir rocks, Reservoir rocks properties, The bashkirian stage