

Hydrocarbon-charging History of Beach-bar Sandstone Reservoir of the Fourth Upper Member of Shahejie Formation in Dongying Depression

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Abstract

As the further exploration and development of Dongying Depression, the beach-bar sandstone reservoir of the fourth Upper member has been the new oil and gas exploration object. However, due to the complex regularity of distribution for the beach and bar sand body. The uncertainty of the main factors for the beach-bar sandstone reservoir, caused the reservoiring pattern of the beach-bar sandstone reservoir do not have the uniform standard and cannot accurately predict the distribution of the beach-bar sandstone reservoir. This affects the further exploration and development of the beach-bar sandstone reservoir, based on the previous research papers for the fourth Upper member beach-bar sandstone reservoir of the Dongying Depression. The analysis of fluid inclusions for the main way, combined with sedimentary facies analysis and other methods of oil-source correlation, as the Boxing and Lijin sag to the research object, from the division of the hydrocarbon accumulation period and accumulation period to determine, to the accumulation process and the controlling factors of the accumulation. To analyze the reservoir of the fourth Upper member for the Dongying Depression filling history, we must understand the features of the beach-bar sandstone reservoir.