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Analysis on the heterogeneity of reservoir Chang 6 in D district of Ordos Basin

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This study is designed to evaluate the heterogeneity of the Chang 6 reservoirs in Study area, and to analyze the effect of heterogeneity on the distribution of oil. Mainly based on the sedimentary microfacies of the chang 6 reservoir, to calculate the mudstone by using the gamma curve in the logging curve, the separation layer and the interlayer were separated by 2 meters, then analyse the data of intercalation and interlayer by means of sedimentary facies, core and thin etc. We believe that the distribution of the sand in the plane and the heterogeneity of the reservoir is the main control factor of the oil distribution in the area, and it has a good area of oil, which own better properties, and the grain size more coarse; The main control factors of the Chang 6 reservoir in D area is the distribution and physical property of the sand body plane, the better the continuity and physical property of the sand body plane, and the better display of the oil-bearing property of the reservoir; The migration will occur in the vertical direction When the oil and gas meet the thinner interlayer, which will have a great influence on the distribution of oil and gas in the vertical direction; The full extent of oil and gas in the reservoir is controlled by the microscopic heterogeneity of the reservoir. In the study area, the reservoir heterogeneity influence the oil and gas distribution by the physical and lithologic characteristics, the distribution of sand body surface and the distribution of layer interval etc mainly. The study on the relationship between the heterogeneity and reservoir distribution of the Chang 6 reservoirs in the research area can be reasonably evaluated for the favorable areas of oil and gas reservoirs and prediction research areas, so as to guide the development of rational development plans in the next step.