

Reservoir Characteristics and Control Factors in the Shale Bed of Yanchang Formation of Southeast in Ordos Basin

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The shale bed rich in organic matter of Yanchang Formation of Southeast of Ordos Basin was originated in continental lake basin environment and belongs to typical continental shale formation. In current evaluation and study, there are no systematic methods and criteria both at home and abroad. Based on a serious of monitoring for the black shale rich in organic matter of Member Chang 7 and Member Chang 9 of the studied area, the organic matter feature, mineral composition, pore structure and distribution feature of the object horizons are summarized; the relations among the features mentioned above are discussed; the key factors affecting pore growing is determined. Finally, the relations of saturated absorbance with the features mentioned above are discussed and the factors controlling the absorbance shale bed reservoirs are identified.