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鄂尔多斯盆地铀富集分布的影响因素分析

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摘要：

前人研究成果分析表明，鄂尔多斯盆地石油主要富集于三叠系延长组和侏罗系地层，天然气主要为下古生界气藏，煤主要赋存于石炭系至侏罗系诸多地层。收集到的地质、测井资料和岩芯分析资料表明铀赋存于盆地奥陶系、石炭 二叠系、三叠系、侏罗系及白垩系地层，铀在盆地深部和浅部地层赋存特征不同，深部地层的高自然伽马异常与铀丰度相关性显著。断裂构造存在证据和分布特征研究表明，鄂尔多斯盆地断裂构造发育，且对铀元素分布具有重要作用。本研究表明，盆地历经的构造运动和沉积环境变迁决定了多种矿产的赋存特征，盆地中油、气、煤对铀富集分布具有积极的促进作用。盆地内有机质丰度与铀异常关系密切。

关键词：鄂尔多斯盆地 铀富集 影响因素 断裂 有机质

Analysis for Effect Factor of Uranium Enriching and Distribution in Ordos Basin

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Abstract:

The data and research indicates that the petroleum mainly is enriching in Yan-CHANG and Jurassic formation, the gas mainly is down Paleozoic Erathem reservoir, the coal mainly occurrences from Carboniferous System to Jurassic formations. The rich geologic and log information and core testing data indicates that the uranium is enriching in Ordovician and Carboniferous-Permian and Triassic and Jurassic and Cretaceous formation. The feature of uranium enriching in deep and shallow is different. The correlation of the high gamma ray abnormal and the uranium abundance in deep layer is marked. The evidence and feature of the structure and fracture indicates that they are developing and play a important role in uranium distributions. The law was researched that the structure movement and depositional environment changing of the basin undergoing decided the features of many minerals. The uranium in the basin is enriched by the oil and gas and coal. The abundance of organic material and the uranium abnormal have the intimately relation.

Keywords:Ordos basin uranium enriching effect factors fracture organic material

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