



青藏高原东北缘贵德坳陷源岩时代及勘探潜力

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中文摘要: 青藏高原东北缘贵德坳陷发育一套烃源岩, 长期以来, 其时代归属不统一, 其生烃能力认识不清, 制约了该坳陷油气资源勘探的进程。本文通过野外踏勘、露头剖面实测和样品分析及连续电磁剖面 (CEMP) 测量结果得出以下认识: 1, 根据沉积特征及孢粉组合, 结合区域地质资料, 确定了该套地层形成时代为早白垩世, 沉积环境为浅湖—半深湖; 2, 借助野外实测剖面及连续电磁剖面 (CEMP) 资料, 确定了该套烃源岩的发育规模; 3, 通过对剖面样品的有机质丰度、热演化程度等实验分析, 对该套烃源岩的油气勘探潜力进行了综合评价, 认为该套烃源岩分布范围广, 厚度大, 有机质丰度高, 热演化程度适中, 可以作为贵德坳陷的有效烃源岩, 提升了贵德坳陷油气勘探潜力。4, 利用野外调查结果及连续电磁剖面 (CEMP) 资料对贵德坳陷生储盖组合进行综合分析, 并指出了有利的勘探方向。

中文关键词: [烃源岩](#) [时代厘定](#) [勘探潜力](#) [贵德坳陷](#) [青藏高原东北缘](#)

Age assignment and exploration potential of Hydrocarbon Source Rocks in Guide depression, Northeast Margin of Tibetan Plateau

Abstract: A set of hydrocarbon source rock exists in Guide depression. Up to now, it's age assignment and exploration potential remains unclear, as a result, the exploration process of oil and gas in this depression was restricted. Based on the field reconnaissance, outcrop measurement, continuous electromagnetic profile (CEMP) and sample analysis, the paper draws the conclusion as follows: 1, According to sedimentary characteristics and sporo-pollen assemblage, combined with the regional geology data, the age of hydrocarbon source rock is thought to be Early Cretaceous with the sedimentary environment of shallow lake, semi-deep lake. 2, The scale of hydrocarbon source rock was determined on the basis of data from outcrop measurement and continuous electromagnetic profile (CEMP). 3, Through experimental analysis on sample including organic abundance and thermal evolution degree, comprehensive evaluation on exploration potential of the hydrocarbon source rock was made. It was considered to be act as effective hydrocarbon source rock in Guide depression, thus improves the hydrocarbon exploration potential. 4, finally, Based on the field investigation and continuous electromagnetic profile (CEMP), the paper discussed on source-reservoir-cap assemblage and pointed out the favorable exploration direction.

keywords: [Hydrocarbon source rock](#) [Age assignment](#) [exploration potential](#) [Guide depression](#) [Northeast Margin of Tibetan Plateau](#)

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