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鄂尔多斯盆地中三叠统与上三叠统地层界线讨论 [点此下载全文](#)

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摘要:

针对延长组地层划分的争议, 开展了延长组孢粉组合、岩石学特征、湖盆演化规律等对比分析, 结果显示差异显著。其中, 长8—长10油层组沉积期, 地势平坦, 河流、三角洲和滨浅湖沉积发育, 岩石成分成熟度低, 中三叠世的重要分子Punctatisporites、Verrucosisporites含量较高; 长7油层组沉积期深湖范围宽广, 藓英含量明显提高, 岩石类型发生较大的改变, 西缘和西南缘沉积体系也由辫状河—辫状河—三角洲体系演化成冲积地层的孢子花粉含量相近, 以具有晚三叠世色彩的Duplexisporites大量出现为特征。此外, 在盆地西部、西南及的一套凝灰岩薄层, 记录了同期的火山、岩浆活动等地质事件, 为早印支运动的重要表现形式, 因此长7与长8之统界线。

关键词: [延长组时代归属](#) [孢粉组合](#) [沉积演化](#) [凝灰岩](#) [中](#) [上三叠统](#) [地层界线](#)

Discussion of the stratigraphic boundary between middle Triassic and upper Triassic upper Triassic series [Download Fulltext](#)

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Abstract:

According to the analyses of sporo-pollen assemblage, petrologic characteristics and basin there is absolute difference between the Ch8-Ch10 oil bearing formations and Ch1-Ch7 oil bearing formations are featured by even landform and low compositional maturity of sandstone. At coastal lake facies developed extensively. The sporo-pollen identified from the sample of Ch8-Ch10 of pteridophyta spore, and Punctatisporites - one of the significant members of sporo-pollen living to 50.5%. While the deep lake widened expeditiously during the Ch7 depositional period. The quartz sandstone developed increased tremendously which resulted in the corresponding change of rock type southwest. As far as the sedimentary system is concerned, alluvial fan and fan delta controlled the when Ch7 strata depositing. The biotic community in Ch7 strata is characterized by the coming of important member of sporo-pollen assemblage in late Triassic. In addition, a set of tuffs, which depositional volcanism and magmatic activity and has been found through drilling, lies steadily a formation. Consequently, such a conclusion can be drawn that stratigraphic boundary between Ch7 and Ch8 could be regarded as the boundary between mid-Triassic and upper Triassic and it can be also regarded as the first episode of the Indosinian Movement.

Keywords: [age assignment of Yanchang formation](#) [sporo-pollen assemblage](#) [sedimentary evolution](#) [t](#)

相关附件: [图2 孢粉含量图](#) [图1 盆地位置及构造分区图](#) [图3 延长组油页岩分布特征图](#) [图4 鄂尔多斯盆](#)