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塔里木盆地沙雅隆起托甫2井志留系划分对比

作者 单位

[蔡习尧](#) [中国石油化工股份有限公司石油勘探开发研究院, 北京 100083](#)

[窦丽玮](#) [中国石油化工股份有限公司石油勘探开发研究院, 北京 100083](#); [中国石油大学地球科学学院, 北京 102249](#)

[王怿](#) [中国科学院南京地质古生物研究所, 南京 210008](#)

[唐鹏](#) [中国科学院南京地质古生物研究所, 南京 210008](#)

[张智礼](#) [中国石油化工股份有限公司石油勘探开发研究院, 北京 100083](#)

[魏玲](#) [中国石化西北油田分公司勘探开发研究院, 乌鲁木齐 830011](#)

[成俊峰](#) [中国石化西北油田分公司勘探开发研究院, 乌鲁木齐 830011](#)

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摘要:

托甫2井志留系发育不全,仅残存下统(兰多维列统)柯坪塔格组与塔塔埃尔塔格组,柯坪塔格组分为三段:上下为砂岩段,中间为泥岩段,颜色以灰色、灰绿色为基调。塔塔埃尔塔格组为褐色、棕红色细砂岩与泥岩。在柯坪塔格组中下段获丰富的笔石、几丁石与疑源类化石,详细地讨论了这些属种的时代分布与地理分布,根据生物群特征,可将其归入3个化石组合(带),即*Parakidograptus acuminatus*, *Belonechitina* cf. *postrobusta-Spinachitina* sp. nov. 与 *Dactylofusa cabottii-Cymatiosphaera densisepta-Leiosphaeridia*组合,首次为主要勘探目的层之一的柯坪塔格组划分与对比提供了多门类的化石依据。托甫2井志留系可划分为1个II级层序,4个III级层序;II级层序的顶、底界分别为区域不整合面 $T_6^0$ 与 $T_7^0$ ,具有明显的下削、上超特征。并以岩石地层为基础,生物地层为依据,结合测井地层与层序地层,厘定了托甫2井志留系地层层序及组段的岩电特征,同时建立了覆盖区井下柯坪塔格组下段与上奥陶统桑塔木组的划分标准。

英文摘要:

The Silurian in the Well TP2 of Shaya Rise in the Tarim Basin did not develop fully, only with the Kalpintag Formation and Tataaiertag Formation in the Llandoverly. Kalpintag Fm. was divided into three members, the upper and lower was named as the sandstone members, the middle as the mudstone one, with the grey and grey-green. Tataaiertag Fm. consists of brown and brown-red fine sandstone intercalated mudstone. A plentiful of fossils of graptolites, chitin ozoans and aritarches were yielded in the middle and lower members of Kalpintag Fm., and space-time distribution of the fossils were detailedly discussed. According to the characteristics of the biota, they were lied into three fossil assemblages (zones), *Parakidograptus acuminatus*, *Belonechitina* cf. *postrobusta-Spinachitina* sp. nov. and *Dactylofusa cabottii-Cymatiosphaera densisepta-Leiosphaeridia*. The many kinds of the fossil basises are firstly provided for the division and correlation of the Kalpintag Fm., with the one of the main exploring aims. Silurian in Well TP2 was divided into one Second-order sequence, four Third-orders. The top and bottom margins of the Second-order are unconformity  $T_6^0$  and  $T_7^0$ , with fair characteristics of truncate and onlap in the seismic sections. Based on the researches of biostratigraphy, lithostratigraphy, logging stratigraphy and sequence stratigraphy in Well TP2, new stipulation of stratigraphic succession and formations and members of Silurian was made. It had been achieved that the classific standard of the lower member of Kalpintag Fm. and Sangtamu Fm. of Upper Ordovician in the areal coverage of Tarim Basin.

关键词: [化石](#) [划分对比](#) [托甫2井](#) [志留系](#) [塔里木盆地](#)

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