

Analysing the Character and Cause of Formation of Redbeds of Yaojia Formation in the North of Songliao Basin

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Studying the Continental Redbeds of Yaojia formation, we come to a conclusion that redbeds can lie in underwater environments and summarize the area and thickness of the Redbeds of Yaojia formation that lies mainly in Sanzhao depression and Chaoyanggou rank and lesser in Qijia-Gulong depression. The temperature of forming the redbeds was higher than forming sands, and the temperature had the trend of rise from bottom to top. The redbeds had higher specific magnetization and lesser organic carbon, and the element causing its red is Fe₂O₃, and there are three kinds of mechanism of forming redbeds.