

赵宗举, 张运波, 潘懋, 吴兴宁, 潘文庆. 塔里木盆地寒武系层序地层格架[J]. 地质论评, 2010, 56(5): 609-620

塔里木盆地寒武系层序地层格架 [点此下载全文](#)

[赵宗举](#) [张运波](#) [潘懋](#) [吴兴宁](#) [潘文庆](#)

北京大学地球与空间科学学院, 北京, 100871; 提高石油采收率国家重点实验室(中国石油勘探开发研究院), 北京, 100083; 中国地质大学(北京)能源学院, 北京, 100083; 北京大学地球与空间科学学院, 北京, 100871; 中国石油杭州地质研究院, 杭州, 310022; 中国石油塔里木油田分公司, 新疆库尔勒, 841000

基金项目: 本文为国家科技重大专项课题(编号2008ZX05004-001)及中国石油天然气股份有限公司重大专项课

DOI:

摘要:

通过露头、钻测井及地震层序地层特征综合分析, 建立了塔里木盆地寒武系三级层序地层格架, 将寒武系的三级层序。结合反映全球海平面相对变化的全岩碳同位素旋回与反映沉积古水深相对变化的沉积旋回的对比分析, 层序分为主要受全球海平面变化控制形成的全球海平面层序(层序CSQ2、CSQ4、CSQ5、CSQ6)及主要受地区性构造(层序CSQ1、CSQ3)2类。塔北轮南地区寒武系台地边缘总体呈现由早寒武世的缓坡向中—晚寒武世的镶边台地的型式, 推测主要与寒武纪全球海平面总体微弱下降及塔里木盆地基底沉降速率总体稳定且较小有关。

关键词: [三级层序](#) [碳同位素](#) [全球海平面层序](#) [构造层序](#) [碳酸盐岩](#) [寒武纪](#) [塔里木盆地](#)

[Download Fulltext](#)

Fund Project:

Abstract:

Synthesizing the sequences characteristics of outcrop, drilling log and seismic data, the 3rd stratigraphic framework of Cambrian in Tarim basin has been established, and the Cambrian can be divided into 3 sequences tracing and correlating in whole Tarim basin. Contrasting and analyzing between carbon isotope reflecting global sea level change or eustatic change and sedimentary cycles reflecting deposition order sequences of Cambrian in Tarim basin may be divided into 2 types as eustatic sequence (sequence of which formation chiefly controlled by eustatic change, and tectonic sequence (sequence CSQ1, CSQ3 chiefly controlled by regional tectonic subsidence. The Cambrian platform margin in Lunnan area, no generally behaved as evolution from ramp in Early Cambrian to rimmed platform in Middle—Late Cambrian stacking style from west to east, it's speculated mainly related to faint eustatic fall in Cambrian and little tectonic subsidence in Tarim basin.

Keywords: [the 3rd order sequence](#) [carbon isotope](#) [eustatic sequence](#) [tectonic sequence](#) [carbonate](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)