

储集条件较好,是形成非构造圈闭的最有利位置,在 1-4 等部位可能发育受断层封堵的非构造油藏,5 部位可能发育地层超覆油藏。由地震剖面上可看出,沙三上亚段以强反射轴为主,局部出现错断,在有利条件下可形成岩性油气藏。

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## Sequence Stratigraphy and Non-Structural Reservoir of Upper Part of the Third Member of Shahejie Formation in Dawangzhuang Area

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**Abstract:** The upper part of the third member of Shahejie formation in Dawangzhuang area in Raoyang sag is a third-order sequence and can be divided into the low stand system tract, the transgressive system tract and the high stand system tract. The low stand system tract is composed of two parasequence sets. Both the transgressive system tract and the high stand system tract are composed of one parasequence set, individually. Through the research of sedimentary microfacies and sandbody distribution of parasequence sets of the low stand system tract, it is found that there are three delta depositional systems in this period. The most favorable sandstone body is the subaqueous distributary channel and sheet bar of the delta front subfacies. According to the structural characteristics and sandbody distribution relationship, the future exploration targets non-structural reservoir in Dawangzhuang area is proposed.

**Key Words:** Raoyang sag; Dawangzhuang area; sequence stratigraphy; sedimentary system; subtle trap

## 南海可燃冰资源量探明 相当于 185 亿吨油当量

在 2008 年 11 月 25 日召开的“海洋地质、矿产资源与环境”学术研讨会上,广州海洋地质调查局表示,南海北部陆坡的可燃冰(天然气水合物)已经探明资源量达 185 亿吨油当量,相当于南海深水勘探已探明油气地质储量的 6 倍。

可燃冰被视为石油、天然气之后的最佳替代能源,开发潜力巨大。目前,我国正在进行深入的环境影响和开采技术研究。

(本刊编辑部)

## 红山嘴油田红 019 井喜获高产油气流

2008 年 8 月 14 日,新疆红山嘴油田红 019 井在石炭系喜获高产油气流。这口井采用 5 mm 油嘴试产,日产原油 110 m<sup>3</sup>,日产天然气 2.517×10<sup>4</sup> m<sup>3</sup>,综合含水仅为 1%。

红 019 井是新疆油田今年部署的一口评价井,位于新疆油田采油一厂红山嘴油田精细三维区红 60 井东断裂带。这口井于 7 月 20 日完钻,完钻井深 2 809 m。

红 019 获得高产油气流,不仅证明这个区块在石炭系有良好开发前景,同时也为了解红 60 井东断裂带石炭系、二叠系、三叠系储集层分布及油藏规模,为下一步油藏评价和开发提供了基础资料。