

综合评述

提高DND气田储层预测精度和井位部署成功率的对策

张卫华

(1. 中国地质大学, 湖北武汉 430074; 2. 中国石油化工股份有限公司石油勘探开发研究院南京石油物探研究所, 江苏南京 210014)

收稿日期 2006-2-15 修回日期 2006-4-18 网络版发布日期 2009-7-13 接受日期

摘要 DND气田上古生界储层具有厚度薄、横向非均质性强和煤层强反射干扰的特点, 精确的地震储层预测十分困难, 导致依据地震储层预测结果部署井位存在极大的风险。通过对DND气田储层发育地质特征和地震储层预测结果的综合分析, 提出了提高DND气田储层预测精度和井位部署成功率的对策: 充分发挥地质指路作用, 以地质认识指导和约束地震储层预测; 重视正演模拟和井点解剖寻找储层的地震反射结构; 注重敏感属性的应用; 充分认识反演储层预测中井约束的局限性, 注意反演横向分辨率低的陷阱; 加强钻井跟踪研究及时调整储层预测结果和井位部署。

关键词 [DND气田](#); [井位部署](#); [储层](#); [成功率](#)

Strategies for improving reservoir prediction and success ratio of well deployment in DND gas field

Zhang Weihua

China University of Geosciences, Wuhan 430074, China

Abstract The upper Palaeozoic reservoir of DND gas field is characterized by thin reservoir and strong transverse anisotropy as well as reflection intervention from coal, which cause it difficult to predict reservoir accurately with seismic methods. Wells deployment depending on seismic reservoir prediction was at great risk. Through analyzing the geologic features and the seismic reservoir prediction, the author put forward some strategies for improving reservoir prediction and success ratio of well deployment, including guiding and constraining seismic reservoir prediction by geology, identifying seismic reflection configuration assisted by forward modeling and well information analysis, adopting sensitive attribute(s), avoiding the limitations and pitfalls in reservoir prediction by inversion, as well as keeping track of drill pace and accordingly adjusting reservoir prediction and well deployment.

Key words [DND gas field](#); [well deployment](#); [reservoir](#); [success ratio](#)

分类号

DOI:

通讯作者:

作者个人主页: 张卫华

扩展功能

本文信息

▶ [Supporting info](#)▶ [PDF](#) (950KB)▶ [\[HTML全文\]](#) (0KB)▶ [参考文献\[PDF\]](#)▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)▶ [加入我的书架](#)▶ [加入引用管理器](#)▶ [引用本文](#)▶ [Email Alert](#)▶ [文章反馈](#)▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“DND气田; 井位部署; 储层; 成功率”的 相关文章](#)

▶ 本文作者相关文章

· [张卫华](#)