

美国工程索引 (Ei) 收录期刊  
美国石油文摘 (PA) 收录期刊  
美国地质文献信息系统 (Geo-Ref) 收录期刊  
美国化学文摘 (CA) 收录期刊  
俄罗斯《文摘杂志》(AJ) 收录期刊  
日本科学技术社数据库 (JST) 收录期刊  
中国科技论文统计源期刊 (中国科技核心期刊)

ISSN 1000-0747

CN 11-2360/TE

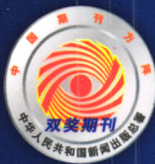
# 石油勘探与开发

 PETROLEUM  
EXPLORATION  
AND DEVELOPMENT

Vol. 40

2013

3



中国石油天然气股份有限公司勘探开发研究院 主办  
中国石油集团科学技术研究院

万方数据

# 目次 CONTENTS

石油勘探与开发

第40卷 第3期

2013年6月

## 油气勘探

- 火山岩风化壳及油气地质意义——以新疆北部石炭系火山岩风化壳为例……………侯连华, 罗霞, 王京红, 等 257
- 砂岩成岩相地震预测——以松辽盆地齐家凹陷青山口组为例……………曾洪流, 朱筱敏, 朱如凯, 等 266
- 松辽盆地北部断裂演化序列与反转构造带形成机制……………孙永河, 陈艺博, 孙继刚, 等 275
- 莺歌海盆地东方区中深层黄流组超压储集层特征……………张伙兰, 裴健翔, 张迎朝, 等 284
- 深水砂体成因研究新进展……………Shanmugam G 294
- 构造-古地貌对沉积的控制作用——以渤海南部莱州湾凹陷沙三段为例……………辛云路, 任建业, 李建平 302
- 多边形断层系特征及成因机制——以松辽盆地三肇凹陷为例……………丁修建, 柳广弟, 孙明亮, 等 309
- 西加拿大沉积盆地Cardium组致密油资源评价……………湛卓恒, Kirk G Osadetz 320
- 利用多尺度CT成像表征致密砂岩微观孔喉结构……………白斌, 朱如凯, 吴松涛, 等 329
- 碳酸盐台地内部滩相薄储集层预测——以四川盆地威远地区寒武系洗象池群为例……………李凌, 谭秀成, 赵路子, 等 334

## 油气田开发

- 库车前陆盆地低孔裂缝性砂岩产能预测模型……………杨锋, 朱春启, 王新海, 等 341
- 火山岩气藏不同储渗模式下的非线性渗流机理……………董家辛, 童敏, 冉博, 等 346
- 用等效水平段长度评价水平井损害程度……………刘斌, 程时清, 聂向荣, 等 352
- 巴肯致密油藏单井产能参数影响程度排序……………梁涛, 常毓文, 郭晓飞, 等 357
- 泡沫型重油油藏水平井流入动态……………陈亚强, 穆龙新, 张建英, 等 363

## 石油工程

- 深水喷射下表层导管合理钻头伸出量计算……………杨进, 严德, 田瑞瑞, 等 367
- 水平井射孔与桥塞联作管串泵送参数控制方法……………朱秀星, 薛世峰, 全兴华 371

## 综合研究

- 结合CT技术的火山岩水力裂缝延伸实验……………贾利春, 陈勉, 孙良田, 等 377

## 学术讨论

- 稠油注蒸汽开采蒸汽腔扩展形态4D微重力测量技术……………李玉君, 任芳祥, 杨立强, 等 381

## 简讯

《石油勘探与开发》2013年第4期部分文章预告 (356)



# SHIYOU KANTAN YU KAIFA

(Petroleum Exploration and Development)

Vol.40 No.3 Jun. 2013

## CONTENTS

### PETROLEUM EXPLORATION

- Weathered volcanic crust and its petroleum geologic significance: A case study of the Carboniferous volcanic crust in northern Xinjiang·····Hou Lianhua, Luo Xia, et al. (257)
- Seismic prediction of sandstone diagenetic facies: Applied to Cretaceous Qingshankou Formation in Qijia Depression, Songliao Basin·····Zeng Hongliu, Zhu Xiaomin, et al. (266)
- Evolutionary sequence of faults and the formation of inversion structural belts in the northern Songliao Basin  
·····Sun Yonghe, Chen Yibo, et al. (275)
- Overpressure reservoirs in the mid-deep Huangliu Formation of the Dongfang area, Yinggehai Basin, South China Sea  
·····Zhang Huolan, Pei Jianxiang, et al. (284)
- New perspectives on deep-water sandstones: Implications·····Shanmugam G (294)
- Control of tectonic-paleogeomorphology on deposition: A case from the Shahejie Formation Sha 3 member, Laizhouwan sag, southern Bohai Sea·····Xin Yunlu, Ren Jianye, et al. (302)
- Origin of polygonal fault systems: A case from the Sanzhao sag in the Songliao Basin·····Ding Xiujian, Liu Guangdi, et al. (309)
- An assessment of tight oil resource potential in the Upper Cretaceous Cardium Formation, Western Canada Sedimentary Basin·····Chen Zhuoheng, Kirk G Osadetz (320)
- Multi-scale method of Nano(Micro)-CT study on microscopic pore structure of tight sandstone of Yanchang Formation, Ordos Basin·····Bai Bin, Zhu Rukai, et al. (329)
- Prediction of thin shoal-facies reservoirs in the carbonate platform interior: A case from the Cambrian Xixiangchi Group of the Weiyuan area, Sichuan Basin·····Li Ling, Tan Xiucheng, et al. (334)

### OIL AND GAS FIELD DEVELOPMENT

- A capacity prediction model for the low porosity fractured reservoirs in the Kuqa foreland basin, NW China  
·····Yang Feng, Zhu Chunqi, et al. (341)
- Nonlinear percolation mechanisms in different storage-percolation modes in volcanic gas reservoirs  
·····Dong Jiaxin, Tong Min, et al. (346)
- Evaluation of damage to horizontal wells through equivalent horizontal well length·····Liu Bin, Cheng Shiqing, et al. (352)
- Influence factors of single well's productivity in the Bakken tight oil reservoir·····Liang Tao, Chang Yuwen, et al. (357)
- Horizontal well inflow performance relationship in foamy heavy oil reservoirs·····Chen Yaqiang, Mu Longxin, et al. (363)

### PETROLEUM ENGINEERING

- Bit stick-out calculation for the deepwater conductor jetting technique·····Yang Jin, Yan De, et al. (367)
- Parameter control methods for the pumping toolstring composed of perforating gun and fracturing plug in a horizontal well  
·····Zhu Xiuxing, Xue Shifeng, et al. (371)

### COMPREHENSIVE RESEARCH

- Experimental study on propagation of hydraulic fracture in volcanic rocks using industrial CT technology  
·····Jia Lichun, Chen Mian, et al. (377)

### ACADEMIC DISCUSSION

- Description of steam chamber shape in heavy oil recovery using 4D microgravity measurement technology  
·····Li Yujun, Ren Fangxiang, et al. (381)