

石油学报

第 31 卷 第 4 期 2010 年 7 月

目 次

地质勘探

- 南海北部深水区油气地质特征 朱伟林 (521)
- 南海北部陆坡深水区构造演化及其特征 张功成 (528)
- 琼东南盆地崖城组高分辨率层序地层格架与煤层形成特征 米立军 王东东 李增学 刘海燕 何玉平 (534)
- 琼东南盆地崖城组煤的沉积学特征与聚煤模式 李增学 何玉平 刘海燕 吕大炜 (542)
- 琼东南盆地沉积环境及物源演变特征 邵 磊 李 昂 吴国璋 李前裕 刘传联 乔培军 (548)
- 白云凹陷珠海组砂岩中碳酸盐胶结物的形成机理
..... 王 琪 郝乐伟 陈国俊 张功成 张 瑞 马晓峰 王 欢 (553)
- 南海北部叠合断陷盆地海陆过渡相烃源岩及成藏贡献——以珠二坳陷白云凹陷为例
..... 傅 宁 邓运华 张功成 李友川 (559)
- 珠江口盆地深水区白云凹陷储层孔隙特征及影响因素 陈国俊 吕成福 王 琪 杜贵超 陈 吉 (566)
- 琼东南盆地渐新统烃源岩微观沉积特征与沉积环境 刘传联 (573)
- 基于裂解色谱质谱技术的琼东南盆地渐新统源岩生烃潜力评价
..... 孙永革 杨中威 谢柳娟 张永东 柴平霞 (579)
- 琼东南盆地崖城组煤层的识别方法 沈怀磊 秦长文 王东东 张 峰 (586)
- 渤海海域新近纪—第四纪断裂特征及形成机制 万桂梅 汤良杰 周心怀 金文正 陈绪云 (591)
- 西湖凹陷反转构造定量运动学过程及对油气的控制作用 杨凤丽 王敏雪 庄建建 吴 哲 吴 满 (596)

油田开发

- 超稠油油藏蒸汽与非凝析气驱油数字化实验 纪佑军 程林松 刘其成 刘志波 (602)
- 天然气水合物藏开采物性变化的流固耦合研究 程远方 沈海超 赵益忠 张建国 夏元博 (607)
- 三元复合驱储层测井解释方法 杨青山 刘传平 马宏宇 (612)
- 油藏数值模拟模型转化过程中非平衡现象 姜瑞忠 杨仁锋 刘世华 张晓亮 (617)
- 利用微波加热开采地下油页岩的技术 刘洪林 刘德勤 方朝合 薛华庆 王红岩 (623)
- 异常高压气藏地质储量和累积有效压缩系数计算新方法 丁显峰 刘志斌 潘大志 (626)
- 特低渗透油田相对渗透率曲线测试新方法 杨正明 李治硕 王学武 单文文 (629)
- 基于系统分析方法的油藏井间动态连通性研究 赵 辉 李 阳 高 达 曹 琳 (633)
- 气藏水平井携液临界流量计算 雷登生 杜志敏 单高军 汤 勇 李润松 付 玉 (637)
- 驱油用 FPS-B 剂的流变性和黏弹性及驱油效率研究 李宜强 董加宇 方 庆 江雪源 皮蔚峰 (640)

石油工程

- 均匀设计响应面法在管道斜井穿越工程中的应用 王 怡 王芝银 曾志华 马兰平 (645)
- 凹陷管道的工程评定方法 杨 琼 帅 健 (649)
- 负压波法在液体管道上的可检测泄漏率分析 孙 良 王建林 赵利强 (654)
- 基于独立分量分析和支持向量机的管道泄漏识别方法 王明达 张来斌 梁 伟 陈志刚 (659)
- 燃气管道失效概率评估方法研究 黄小美 李百战 彭世尼 张家兰 (664)
- 基于 H₂S 毒性负荷的山区含硫气井应急计划区的划分方法 陈 胜 江田汉 邓云峰 席学军 郭再富 (668)
- 井下螺旋轴流式混抽泵轴向力平衡新结构 李增亮 高 扬 (672)
- 旋转导向系统三翼肋偏置位移矢量控制方案 程载斌 姜 伟 蒋世全 高宝奎 (676)
- 清水压裂自支撑裂缝面闭合残留宽度数值模拟 李士斌 陈波涛 张海军 张立刚 吴建东 (680)
- 铝合金钻杆的动态特性及磨损机理分析 唐继平 狄勤丰 胡以宝 王文昌 梁红军 杨成新 (684)

综 述

- 中国页岩气研究现状与发展趋势
..... 陈尚斌 朱炎铭 王红岩 刘洪林 魏 伟 罗 跃 李 伍 方俊华 (689)

综合信息

- 《石油学报》2010 年第 5 期部分文章预告(I) (527)
- 《石油学报》2010 年第 5 期部分文章预告(II) (644)

CONTENTS

PETROLEUM EXPLORATION

Petroleum geology in deepwater area of northern continental margin in South China Sea ZHU Weilin (521)

Tectonic evolution of deepwater area of northern continental margin in South China Sea ZHANG Gongcheng (528)

High-resolution sequence stratigraphic framework and coal-forming features in Yacheng Formation of Qiongdongnan Basin
..... MI Lijun, WANG Dongdong, LI Zengxue, LIU Haiyan, HE Yuping (534)

Sedimentology characteristics and coal-forming models in Yacheng Formation of Qiongdongnan Basin LI Zengxue, HE Yuping, LIU Haiyan, LÜ Dawei (542)

Evolution of sedimentary environment and provenance in Qiongdongnan Basin in the northern South China Sea SHAO Lei, LI Ang, WU Guoxuan, LI Qianyu, LIU Chuanlian, QIAO Peijun (548)

Forming mechanism of carbonate cements in siliciclastic sandstone of Zhuhai Formation in Baiyun Sag WANG Qi, HAO Lewei, CHEN Guojun, ZHANG Gongcheng, ZHANG Rui, MA Xiaofeng, WANG Huan (553)

Transitional source rock and its contribution to hydrocarbon accumulation in superimpose rift-subsidence basin of northern South China Sea; Taking Baiyun Sag of Zhu II Depression as an example FU Ning, DENG Yunhua, ZHANG Gongcheng, LI Youchuan (559)

Characteristics of pore evolution and its controlling factors of Baiyun Sag in deepwater area of Pearl River Mouth Basin CHEN Guojun, LÜ Chengfu, WANG Qi, DU Guichao, CHEN Ji (566)

Sedimentary environment and micro-sediment characteristics of Oligocene source rocks in Qiongdongnan Basin LIU Chuanlian (573)

Pyrolysis-gas chromatography-mass spectrography as a method to evaluate hydrocarbon generation potential of Oligocene source rocks from Qiongdongnan Basin, offshore South China Sea SUN Yongge, YANG Zhongwei, XIE Liujuan, ZHANG Yongdong, CHAI Pingxia (579)

Distinguishing methods for coal beds in Yacheng Formation of Qiongdongnan Basin SHEN Huailei, QIN Changwen, WANG Dongdong, ZHANG Feng (586)

Neogene-Quaternary fault characteristics and its formation mechanism in Bohai Sea WAN Guimei, TANG Liangjie, ZHOU Xinhui, JIN Wenzheng, CHEN Xuyun (591)

Kinematical processes of inversion structure and its contribution to hydrocarbon accumulation in Xihu Depression of East China Sea Basin YANG Fengli, WANG Minxue, ZHUANG Jianjian, WU Zhe, WU Man (596)

OIL FIELD DEVELOPMENT

Digital experiment on steam and in-condensable gas push for extra heavy oil reservoir JI Youjun, CHENG Linsong, LIU Qicheng, LIU Zhibo (602)

Study on fluid-solid coupling of physical variation of gas hydrate reservoirs during natural gas development CHENG Yuanfang, SHEN Haichao, ZHAO Yizhong, ZHANG Jianguo, XIA Yuanbo (607)

Logging interpretation method for ASP flooding reservoir YANG Qingshan, LIU Chuanping, MA Hongyu (612)

Non-balance phenomenon during transformation process of reservoir numerical simulation models JIANG Ruizhong, YANG Renfeng, LIU Shihua, ZHANG Xiaoliang (617)

Microwave heating technology of in-situ oil shale developing LIU Honglin, LIU Dexun, FANG Chaohe, XUE Huaqing, WANG Hongyan (623)

A new method for estimating gas in place and cumulative effective compressibility of abnormal high-pressure gas reservoirs DING Xianfeng, LIU Zhibin, PAN Dazhi (626)

A new method for testing relative permeability of ultra-low permeability reservoirs YANG Zhengming, LI Zhishuo, WANG Xuewu, SHAN Wenwen (629)

Research on reservoir interwell dynamic connectivity using systematic analysis method ZHAO Hui, LI Yang, GAO Da, CAO Lin (633)

Calculation method for critical flow rate of carrying liquid in horizontal gas well LEI Dengsheng, DU Zhimin, SHAN Gaojun, TANG Yong, LI Jiansong, FU Yu (637)

Rheological behavior, viscoelasticity and displacement efficiency of the FPS-B agent in flooding LI Yiqiang, DONG Jiayu, FANG Qing, JIANG Xueyuan, PI Weifeng (640)

PETROLEUM ENGINEERING

The application of the method of uniform design response surface in inclined shaft traversing engineering of pipeline WANG Yi, WANG Zhiyin, ZENG Zhihua, MA Lanping (645)

Engineering evaluation method for dented pipeline YANG Qiong, SHUAI Jian (649)

Analysis on detectable leakage ratio of liquid pipeline by negative pressure wave method SUN Liang, WANG Jianlin, ZHAO Liqiang (654)

Pipeline leakage detection method based on independent component analysis and support vector machine WANG Mingda, ZHANG Laibin, LIANG Wei, CHEN Zhigang (659)

Assessment methods of failure probability on gas pipelines HUANG Xiaomei, LI Baizhan, PENG Shini, ZHANG Jialan (664)

Approach to evaluate emergency planning zones for the sour gas wells in the mountain areas of China based on H₂S toxic load CHEN Sheng, JIANG Tianhan, DENG Yunfeng, XI Xuejun, GUO Zai fu (668)

New balancing structure of axial force in down-hole helico-axial multiphase pump LI Zengliang, GAO Yang (672)

Control scheme for displacement vector of three-pad biasing rotary steerable system CHENG Zaibin, JIANG Wei, JIANG Shiquan, GAO Baokui (676)

Numerical simulation on residual width of fractures in wells with clear water fracturing without proppant LI Shibin, CHEN Botao, ZHANG Haijun, ZHANG Ligang, WU Jiandong (680)

Analysis on dynamic characteristics and wear mechanism of aluminum alloy drill pipe TANG Jiping, DI Qinfeng, HU Yibao, WANG Wenchang, LIANG Hongjun, YANG Chengxin (684)

REVIEW

Research status and trends of shale gas in China CHEN Shangbin, ZHU Yanming, WANG Hongyan, LIU Honglin, WEI Wei, LUO Yue, LI Wu, FANG Junhua (689)