

# 目次 CONTENTS

石油勘探与开发

第38卷

第1期

总第220期

## 油气勘探

- 中国海相盆地跨重大构造期油气成藏历史——以塔里木盆地为例·····张水昌, 张宝民, 李本亮, 等 1
- 鄂尔多斯盆地3条油藏大剖面对风险勘探的意义·····赵振宇, 郭彦如, 徐旺林, 等 16
- 环渤海凹陷油气资源潜力与分布定量评价·····姜福杰, 庞雄奇 23
- 鄂尔多斯盆地伊盟隆起上古生界天然气成藏条件·····王明健, 何登发, 包洪平, 等 30
- 大港滩海地区地震沉积学研究·····张宪国, 林承焰, 张涛, 等 40
- 库车前陆盆地构造压实作用及其对储集层的影响·····李军, 张超谟, 李进福, 等 47
- 长岭断陷CO<sub>2</sub>气藏与烃类气藏成藏特征·····杨光, 赵占银, 邵明礼 52
- 流体包裹体地层学在石油勘探开发中的应用·····周振柱, 周瑶琪, 陈勇, 等 59
- 多分量地震数据处理技术研究现状·····孙歧峰, 杜启振 67

## 油气田开发

- 凝析气顶油藏开发过程中原油性质变化·····赵伦, 卞德智, 范子菲, 等 74
- 蒸汽与天然气驱(SAGP)开采特征——与蒸汽辅助重力泄油(SAGD)对比分析·····刘志波, 程林松, 纪佑军, 等 79
- 疏水纳米颗粒在油层微孔道中的吸附机制·····顾春元, 狄勤丰, 沈琛, 等 84
- 含CO<sub>2</sub>天然气井井喷流场特征·····刘振翼, 张应安, 郑远攀, 等 90

## 石油工程

- 超临界CO<sub>2</sub>钻井井筒压力温度耦合计算·····王海柱, 沈忠厚, 李根生 97
- 井底常压控制压力钻井设计计算·····王果, 樊洪海, 刘刚 103
- 基于物理意义的示功图凡尔开闭点精确提取·····梁华, 李训铭 109

## 综合研究

- 烃类物质在海面的赋存特征与遥感检测——以中国南海海域为例·····刘杨, 邵芸, 于五一, 等 116

## 学术讨论

- 断陷盆地岩性勘探目标评价方法——以渤海湾盆地为例·····王玉满, 黄旭楠, 程坤芳, 等 122

## 简讯

《石油勘探与开发》2011年第2期部分文章预告(51); 关于论文征集、刊物征订及广告代理的声明(66); 中国首个页岩气合作开发项目开钻(96)

# SHIYOU KANTAN YU KAIFA

(Petroleum Exploration and Development)

Vol.38 No.1 Feb. 2011

## CONTENTS

### PETROLEUM EXPLORATION

History of hydrocarbon accumulations spanning important tectonic phases in marine sedimentary basins of China:

- Taking the Tarim Basin as an example.....Zhang Shuichang, Zhang Baomin, et al. (1)
- Significance of three reservoir profiles for the risk exploration in Ordos Basin  
.....Zhao Zhenyu, Guo Yanru, et al. (16)
- Quantitative evaluation of hydrocarbon resource potential and its distribution in the Bozhong Sag and surrounding  
areas, Bohai Bay Basin.....Jiang Fujie, Pang Xiongqi (23)
- Upper Palaeozoic gas accumulations of the Yimeng uplift, Ordos Basin  
.....Wang Mingjian, He Dengfa, et al. (30)
- Seismic sedimentologic research in shallow sea areas, Dagang  
.....Zhang Xianguo, Lin Chengyan, et al. (40)
- Tectonic compaction and its influence on reservoirs in the Kuqa foreland basin, Tarim  
.....Li Jun, Zhang Chaomo, et al. (47)
- Formation of carbon dioxide and hydrocarbon gas reservoirs in the Changling fault depression, Songliao Basin  
.....Yang Guang, Zhao Zhanyin, et al. (52)
- Application of fluid inclusion stratigraphy to petroleum exploration and production  
.....Zhou Zhenzhu, Zhou Yaoqi, et al. (59)
- A review of the multi-component seismic data processing.....Sun Qifeng, Du Qizhen (67)

### OIL AND GAS FIELD DEVELOPMENT

- Oil property changes during the waterflooding for reservoirs with condensate gas cap  
.....Zhao Lun, Bian Dezhi, et al. (74)
- Production features of steam and gas push: Comparative analysis with steam assisted gravity drainage  
.....Liu Zhibo, Cheng Linsong, et al. (79)
- Adsorption of hydrophobic nanoparticles in reservoir microchannels  
.....Gu Chunyuan, Di Qinfeng, et al. (84)
- Flow fields in the blowout of natural gas wells containing carbon dioxide  
.....Liu Zhenyi, Zhang Ying'an, et al. (90)

### PETROLEUM ENGINEERING

- Wellbore temperature and pressure coupling calculation of drilling with supercritical carbon dioxide  
.....Wang Haizhu, Shen Zhonghou, et al. (97)
- Design and calculation of a MPD model with constant bottom hole pressure  
.....Wang Guo, Fan Honghai, et al. (103)
- Accurate extraction of valve opening and closing points based on the physical meaning of surface dynamometer card  
.....Liang Hua, Li Xunming (109)

### COMPREHENSIVE RESEARCH

- Expression of hydrocarbon on sea surface and its remote sensing detection:  
Taking the South China Sea area as an example.....Liu Yang, Shao Yun, et al. (116)

### ACADEMIC DISCUSSION

- Evaluation methodology of lithologic exploration areas in rift basins: A case from the Bohai Bay Basin  
.....Wang Yuman, Huang Xu'nan, et al. (122)