

油气地质与勘探

|                                      |                       |
|--------------------------------------|-----------------------|
| 川西丰谷构造上三叠统须四段特低渗储层成岩储集相与成岩演化序列 ..... | 林煜,徐樟有,吴胜和,倪玉强,郁智(1)  |
| 淮南前陆冲断带剩余油气资源评价 .....                | 姜福杰,杨凤祥,田继军(9)        |
| 扶杨油层组合钙质夹层厚油储层水淹层识别 .....            | 张美玲,孙宝刚,谢磊,侯树山(13)    |
| Blackman-Tukey 频谱分析方法识别地层周期 .....    | 赖富强,孙建孟,Luthi S M(19) |
| 巴楚地区泥盆系东河塘组储集特征及控制因素 .....           | 张福顺,雷鸣,李建交,吴疆,张星(24)  |
| 一种辫状河、曲流河复合沉积体层序特征及其成因 .....         | 郭岭,姜在兴,李瑞锋(29)        |
| 贝尔凹陷源圈空间配置的输导通道与油成藏特征 .....          | 赵荣,于瑶璐,姜文亚(34)        |
| 天然气脉冲式二次运移过程 .....                   | 李文学,吕延防(38)           |

石油与天然气工程

|                                 |                        |
|---------------------------------|------------------------|
| 驱油用聚合物溶液的拉伸流变性能 .....           | 韩玉贵,曹绪龙,宋新旺,赵华,何冬月(41) |
| 岩石部分润湿对水驱油藏微观相态分布的影响 .....      | 马贵阳,杜明俊,李丹(46)         |
| 基于主成分分析的水淹层动态预测方法 .....         | 钟仪华,李榕,朱海双,张志银(51)     |
| 气田压力系统的划分方法 .....               | 彭昱强,何顺利,鞠秀娟,张歧(56)     |
| 高凝油抽油机井井筒压力-温度分布预测 .....        | 陈涛平,张权(62)             |
| 螺旋分离器单相流动的数值模拟与实验 .....         | 郑焕军,孟玲莉,韩洪升(68)        |
| 基于模糊聚类分析的北二西葡一组流动单元划分及其应用 ..... | 任刚,姜振海(73)             |
| 滑脱效应和启动压力梯度对低渗透气藏水平井产能的影响 ..... | 熊健,郭平,李凌峰(78)          |

油田化学工程

|                                   |                    |
|-----------------------------------|--------------------|
| 类球形 Ce-Cu(x)-O 纳米晶体簇催化性能及表征 ..... | 单文娟,魏玲玲,董晓薇,刘畅(82) |
|-----------------------------------|--------------------|

石油机械工程

|                  |             |
|------------------|-------------|
| 双驴头抽油机运动特性 ..... | 王常斌,朱云伟(86) |
|------------------|-------------|

计算机与自动化工程

|                            |                        |
|----------------------------|------------------------|
| 基于分类器串联融合的生物医学命名实体识别 ..... | 马瑞民,马民艳,王浩畅(91)        |
| 3G 终端数据机密性服务设计 .....       | 吴晓宇,李玉贤,韩佳霖,王丹,张方舟(95) |
| 箔条配比算法 .....               | 蔡蓓,张为华(99)             |

基础科学及其他

|                               |                        |
|-------------------------------|------------------------|
| 热力学系统定量化研究之二:边界热质传递过程分析 ..... | 王志国,陈键,成庆林,王家征,刘扬(104) |
|-------------------------------|------------------------|

本期 英文编辑 张继华 排版 樊丽红 插图 张志华 责任编辑 陆雅玲

## OIL-GAS GEOLOGY AND EXPLORATION

- Diagenetic reservoir facies and diagenetic evolutionary sequences of extra-low permeability reservoir in Xu4 Formation of Fenggu Structure in western Sichuan ..... LIN Yu, XU Zhang-you, WU Sheng-he, et al(1)
- Residual hydrocarbon resource evaluation in southern Junggar foreland thrust belt ... JIANG Fu-jie, YANG Feng-xiang, TIAN Ji-jun(9)
- Water flooded layer identification of thick oil reservoir of Fuyang oil layer with calcareous intercalation ..... ZHANG Mei-ling, SUN Bao-gang, XIE Lei, et al(13)
- Identification of stratigraphical cycles by Blackman-Tukey spectral analysis ..... LAI Fu-qiang, SUN Jian-meng, Luthi S M(19)
- Reservoir characteristics and controlling factors of the Devonian Donghetang formation in Bachu area in Tarim Basin ..... ZHANG Fu-shun, LEI Ming, LI Jian-jiao, et al(24)
- Characteristics of composite sedimentary sequence of braided and meandering river and their genetic interpretation ..... GUO Ling, JIANG Zai-xing, LI Rui-feng(29)
- Transporting pathways of space matching between source rocks and traps and oil accumulation feature in Beier Depression ..... ZHAO Rong, YU Yao-han, JIANG Wen-ya(34)
- The process of pulse secondary migration of natural gas ..... LI Wen-xue, LV Yan-fang(38)

## PETROLEUM AND NATURAL GAS ENGINEERING

- Extensional rheological properties of polymer solution for oil driving ..... HAN Yu-gui, CAO Xu-long, SONG Xin-wang, et al(41)
- Partial wet of rock impacts on the distribution of water drive reservoir microscopic phase ..... MA Gui-yang, DU Ming-jun, LI Dan(46)
- Dynamic prediction of water-flooded layer based on the principal component analysis ..... ZHONG Yi-hua, LI Rong, ZHU Hai-shuang, et al(51)
- Pressure system division in gas fields ..... PENG Yu-qiang, HE Shun-li, JV Xiu-juan, et al(56)
- Prediction of wellbore pressure and temperature distribution in the pumping wells producing high pour point oil ..... CHEN Tao-ping, ZHANG Quan(62)
- Numerical simulation and experimental research of flow field in spiral separator ..... ZHENG Huan-jun, MENG Ling-li, HAN Hong-sheng(68)
- Partition of flow unit and its application in polymer flooding development-take Beierxi group Pu I in Daqing oilfield as an example ..... REN Gang, JIANG Zhen-hai(73)
- Impact of slippage effect and start-up pressure gradient on deliverability of low-permeability gas reservoirs ..... XIONG Jian, GUO Ping, LI Ling-feng(78)

## OILFIELD CHEMISTRY ENGINEERING

- The catalytic activities and characterization of Ce—Cu(*x*)—O nanocrystal clusters with similar spherical structures ..... SHAN Wen-juan, WEI Ling-ling, DONG Xiao-wei, et al(82)

## PETROLEUM MECHANICAL ENGINEERING

- Motion characteristics of dual horse head pumping units ..... WANG Chang-bin, ZHU Yun-wei(86)

## COMPUTER AND AUTOMATION ENGINEERING

- Bio-entity recognition based on cascade generalization ..... MA Rui-min, MA Min-yan, WANG Hao-chang(91)
- Design of 3G terminal data confidentiality services ..... WU Xiao-yu, LI Yu-xian, HAN Jia-lin, et al(95)
- Chaff match algorithm ..... CAI Qian, ZHANG Wei-hua(99)

## BASIC SCIENCE

- Quantitative study of thermodynamics system (Ⅱ); analysis of heat and mass transmission on boundary ..... WANG Zhi-guo, CHEN Jian, CHENG Qing-lin, et al(104)

English Editor ZHANG Ji-hua