

· 石油地质与勘查工程 ·

济阳坳陷四扣洼陷湖相碳酸盐岩岩溶储层特征及其发育模型

····· 杨勇强, 师 政, 邱隆伟, 刘魁元, 单宝杰, 陈 程(1)

基于多点地质统计学的数字岩心建模

····· 吴玉其, 林承焰, 任丽华, 闫伟超, 王 杨, 陈仕臻, 由春梅, 张 丽(12)

隆起区和斜坡区断-砂输导体系控制油气分布特征的差异性

····· 付 广, 王 慧(22)

苏丹穆格拉德盆地福拉凹陷 AG1 层低阻油层形成机制及其控制因素

····· 韩如冰, 田昌炳, 马 思, 李顺明, 何 辉, 杜宜静(31)

输导脊中转能力定量表征及在渤海东部油气勘探中的应用

····· 张宏国, 徐长贵, 官太勇, 刘朋波, 苏 凯, 程燕君(41)

油基钻井液环境下电成像测井响应分析及定量反演

····· 高建中, 孙建孟, 姜艳娇, 于其蛟, 刘彦萍(50)

基于反射声波测井有限元方法的井旁裂缝分布特征

····· 闫怡飞, 赵 云, 宋胜利, 暴喜涛, 周晓奇, 赵 垒, 闫相祯(57)

· 石油钻采工程 ·

变内压条件下井筒完整性的弹塑性分析

····· 郭辛阳, 吴涌泉, 步玉环, 李 强, 郭胜来(64)

基于局部平衡反应的海底甲烷水合物形成及富集机制数值模拟

····· 张 亮, 李 欣, 许素丹, 宫智武, 任韶然(70)

亲水纳米 SiO₂ 对 CH₄ 水合物形成的影响

····· 孙慧翠, 王 韧, 徐显广, 王建华, 蒋国盛, 张 凌, 刘天乐, 宁伏龙(81)

基于 Gaussian 分布的三维非匹配性裂缝渗流规律

····· 曲冠政, 彭 娇, 赵 凯, 高 伟, RANDY Hazlett, 周德胜, 曲占庆, 姜海龙(88)

..... 李秉霖, 苏玉亮, 王文东(98)

可动微凝胶油藏适应性及调驱机制

..... 牛丽伟, 李建冰, 卢祥国, 李 玮, 吴行才, 孙 哲(107)

· 石油机械工程 ·

牛顿流体圆管内非稳态 Poiseuille 流动特性

..... 陈 雷, 汤苑楠, 刘 刚, 卢兴国(114)

双管热采井口的抗冲蚀磨损性能

..... 裴峻峰, 王 兵, 殷舜时, 秦志坚, 邵金海, 徐延海(122)

基于人工神经网络的连续油管疲劳寿命预测

..... 于桂杰, 赵 崇, 迟建伟, 张佳兴(131)

基于任意应力合成的油井杆管侧向力测试仪

..... 刘 宝, 冯巨龙, 李 哲, 王 磊(137)

基于等稳定要求网壳结构截面优化设计

..... 陈世英, 李维国, 鹿晓阳(147)

基于 Hessian 正则化多视角学习的抽油机井工况识别新方法

..... 周 斌, 王延江, 刘伟锋, 刘宝弟(154)

· 石油化学工程 ·

剪切温度对生物废油改性胶粉沥青的影响

..... 杨 军, 张佳运, 朱浩然, 徐 刚, 魏建明, 龚明辉(162)

适用于流化催化裂化贫氧再生烟气的高效脱硫剂

..... 张 强, 杨文慧, 金 萍, 刘 璐(170)

常压塔塔顶冷凝系统铵盐腐蚀及控制

..... 王海博, 李 云, 程光旭, 欧阳文彬, 张耀亨, 李欣昀, 雷鹏辉(177)

本期责任编辑	本期英文编审
修荣荣	李志芬
微机排版	技术编辑
杨 丽	韩国良

CONTENTS

PETROLEUM GEOLOGY AND GEOPHYSICAL EXPLORATION ENGINEERING

Characterization and developmental model of karstic reservoirs in lacustrine carbonate strata of Eocene

Sikou Sag, Jiyang Depression
..... YANG Yongqiang, SHI Zheng, QIU Longwei, LIU Kuiyuan, SHAN Baojie, CHEN Cheng(1)

Digital core modeling based on multiple-point statistics

..... WU Yuqi, LIN Chengyan, REN Lihua, YAN Weichao, WANG Yang, CHEN Shizhen, YOU Chunmei, ZHANG Li(12)

Differences of distribution characteristics of oil and gas by the control of fault-sand transporting system in

uplifted area and slope area FU Guang, WANG Hui(22)

Formation mechanisms and controlling factors of low resistivity pays of AG1 layer in Fula Sag, Muglad Basin,

Sudan HAN Rubing, TIAN Changbing, MA Si, LI Shunming, HE Hui, DU Yijing(31)

Quantitative description of transfer capability of transporting ridges and its implication in hydrocarbon exploration

in eastern area of Bohai Sea
..... ZHANG Hongguo, XU Changgui, GUAN Dayong, LIU Pengbo, SU Kai, CHENG Yanjun(41)

Response analysis and quantitative inversion of electrical imaging logging in oil based drilling fluid environment

..... GAO Jianshen, SUN Jianmeng, JIANG Yanjiao, YU Qijiao, LIU Yanping(50)

Near wellbore fracture distribution characteristics based on acoustic reflection logging finite element method

..... YAN Yifei, ZHAO Yun, SONG Shengli, BAO Xitao, ZHOU Xiaoqi, ZHAO Lei, YAN Xiangzhen(57)

PETROLEUM DRILLING AND PRODUCTION ENGINEERING

Elastoplastic analysis of wellbore integrity under varying internal casing pressure

..... GUO Xinyang, WU Yongquan, BU Yuhuan, LI Qiang, GUO Shenglai(64)

Numerical simulation of methane hydrate accumulation in subsea sediments based on a partial-equilibrium

reaction model ZHANG Liang, LI Xin, XU Sudan, GONG Zhiwu, REN Shaoran(70)

Effect of hydrophilic nano-SiO₂ on CH₄ hydrate formation

..... SUN Huicui, WANG Ren, XU Xianguang, WANG Jianhua, JIANG Guosheng, ZHANG Ling, LIU Tianle, NING Fulong(81)

Lattice boltzmann simulation of fluid flow in mismatched rough fractures based on Gaussian distribution

..... QU Guanzheng, PENG Jiao, ZHAO Kai, GAO Wei, RANDY Hazlett, ZHOU Desheng, QU Zhanqing, JIANG Hailong(88)

Assessment of temporal scales for the flow of fluid in stimulated reservoir volume of a tight reservoir

..... LI Binglin, SU Yuliang, WANG Wendong(98)

Reservoir adaptability of soft microgel and its profile control mechanism

..... NIU Liwei, LI Jianbing, LU Xiangguo, LI Wei, WU Xingcai, SUN Zhe(107)

PETROLEUM MECHANICAL ENGINEERING

Characteristics of unsteady Poiseuille flow of Newtonian fluid in circular pipe

..... CHEN Lei, TANG Yuannan, LIU Gang, LU Xingguo(114)

Erosion wear resistance of double thermal recovery wellheads

..... PEI Junfeng, WANG Bing, YIN Shunshi, QIN Zhijian, SHAO Jinhai, XU Yanhai(122)

Fatigue life prediction of coiled tubings based on artificial neural network

..... YU Guijie, ZHAO Chong, CHI Jianwei, ZHANG Jiaxing(131)

A lateral force detector in oil well based on the principle of arbitrarily stress composition

..... LIU Bao, FENG Julong, LI Zhe, WANG Lei(137)

Section optimization design of reticulated dome to ensure constant stability

..... CHEN Shiyong, LI Weiguo, LU Xiaoyang(147)

A working condition recognition method of sucker-rod pumping wells based on multi-view

learning and Hessian regularization ZHOU Bin, WANG Yanjiang, LIU Weifeng, LIU Baodi(154)

PETROLEUM CHEMICAL ENGINEERING

Influence of shear temperature on waste bio-oil modified crumb rubber asphalt

..... YANG Jun, ZHANG Jiayun, ZHU Haoran, XU Gang, WEI Jianming, GONG Minghui(162)

High efficient desulfurizing agents for FCC lean oxygen regenerated flue gas

..... ZHANG Qiang, YANG Wenhui, JIN Ping, LIU Lu(170)

Mitigation of the ammonium salts corrosion in overhead condensing system of crude tower

...万方数据WANG Haibo, LI Yun, CHENG Guangxu, OUYANG Wenbin, ZHANG Yaoheng, LI Xinyun, LEI Penghui(177)