

全国中文核心期刊
中国科技论文统计源期刊
RCCSE中国核心学术期刊(A类)
中国科学引文数据库(CSCD)来源期刊

ISSN 1009-9603
CN 37-1359/TE
CODEN YDYCA5

油气地质与采收率

PETROLEUM GEOLOGY AND RECOVERY EFFICIENCY

PG&RE

20194

第26卷 第4期 Vol.26 No.4

ISSN 1009-9603



中国石油化工股份有限公司胜利油田分公司 主办

油气地质与采收率

Youqi Dizhi yu Caishoulü

(公开发行人 双月刊 1994年创刊)

第26卷 第4期 (总第139期)

2019年07月25日

国际标准连续出版物号 ISSN 1009-9603

国内统一连续出版物号 CN 37-1359/TE

主管单位 中国石油化工集团有限公司

主办单位 中国石油化工股份有限公司

胜利油田分公司

承办单位 胜利油田分公司勘探开发研究院

主 编 孔凡群

副 主 编 孙 国 杨 勇 李伟忠(常务)

编辑出版 《油气地质与采收率》编辑部

地 址 山东省东营市聊城路2号

邮政编码 257015

联系电话 0546-8715246, 8716980

网 址 http://yqdzycsl.cnjournals.com

电子邮箱 pgre@vip.163.com

责任编辑 常迎梅

技术编辑 罗 欣

英文编辑 刘北羿 英文审核 王钧剑

国内发行 《油气地质与采收率》编辑部

国外发行 中国国际图书贸易总公司

(北京399信箱)

国外代号 BM1709

印刷单位 山东润天彩色印刷有限公司

广告经营许可证 3700004000143

国内定价 50.00元/册

Petroleum Geology and Recovery Efficiency

(Bimonthly, Started in 1994)

Vol.26, No.4, Jul.2019

Chief Editor: Kong Fanqun

Vice Chief Editor: Sun Guo, Yang Yong

Li Weizhong

Sponsor: Shengli Oilfield Company, SINOPEC

Undertaker: Exploration and Development

Research Institute, SLOF

Editor & Publisher: Editorial Board of Petroleum

Geology and Recovery Efficiency

Address: No.2 Liaocheng Road, Dongying,

Shandong, China

Zip Code: 257015

Telephone: 86-546-8715246, 8716980

Distributor: Editorial Board of Petroleum

Geology and Recovery Efficiency

Printer: Shandong Runtian Color Printing Co., Ltd.

如发现印刷、装订错误,请与编辑部联系更换

目 次

·专家论坛·

- 1 济阳坳陷潜山“挤-拉-滑”成山机制及油气藏类型划分……宋明水,王惠勇,张云银
- 9 等温吸附量方程常数的物理含义及无因次吸附量方程
……………陈元千,刘浩洋,汤晨阳,千 磊

·油气地质·

- 15 桌子山地区奥陶系克里摩里组下段等深暖流沉积及其油气地质意义
……………李向东,邰雅棋
- 24 吉木萨尔凹陷芦草沟组致密油储层岩石微观孔隙结构表征
……………田 伟,刘慧卿,何顺利,王 敬,谢 灵
- 33 博兴洼陷大芦湖油田沙三段中亚段二砂组异重流沉积特征
……………陈雁雁,林承焰,马存飞,任丽华,梁书义,王会丽,卞 波
- 43 高岭石甲烷吸附规律的分子模拟研究……………唐巨鹏,孙胜杰,包思远
- 50 萍乐坳陷曲页1井乐平组页岩气和煤层气地质条件分析
……………陈 哲,王中鹏,李尚儒
- 56 伊拉克BU油田碳酸盐岩储层沉积过程数值模拟
……………王鹏飞,霍春亮,叶小明,刘卫林,徐 静

·油气采收率·

- 62 海上稠油油藏水平井多元热流体驱物理模拟实验研究
……………葛涛涛,庞占喜,罗成栋,高振南,杜春晓
- 70 考虑岩石变形的页岩气藏双重介质数值模拟
……………姜瑞忠,原建伟,崔永正,潘 红,李 广,张海涛
- 77 中国石化新区不同类型油藏开发指标快速评价模型的构建
……………赵庆飞,凡哲元,郑祥克,徐卿莲,张中华
- 82 大庆油田特高含水期层系井网重构技术研究与应用
……………赵秀娟,左松林,吴家文,张昌艳,金艳鑫,杨文武,路晶鑫,毛万义
- 88 二元复合体系界面活性与乳化性能协同提高采收率实验研究……………于 群
- 93 烟道气稳定重力驱油藏筛选评价方法及应用
……………施小荣,蒋雪峰,陈 凤,吕世瑶,何乃祥,刘灵灵
- 99 SAGD开发效果综合评价新方法……………卢 川,田 冀,郑 强,贾 振,刘慧卿
- 105 高煤阶煤层气储层产气能力定量评价……………王镜惠,王美冬,田 锋,刘巨光,梁正中
- 111 柱状支撑裂缝内流体流动规律……………卢 聪,卢云霄,李芝力,陈 滔,郭建春,蒋宝云
- 119 东海深层致密气藏爆燃压裂技术优化……………孙 林,郭士生,熊培祺,李旭光
- 125 基于返排产水数据的页岩气井压裂效果评价方法
……………王妍妍,刘 华,王卫红,胡小虎,郭艳东,戴 城
- 132 致密砂砾岩压裂裂缝遇砾扩展模式的数值模拟研究
……………张子麟,陈 勇,张全胜,李爱山,张濂源,李 明,黄 波

·信息·

《油气地质与采收率》第六届编委会(封二) 《油气地质与采收率》征稿简则(封三)

《油气地质与采收率》简介(封四)

期 刊 基 本 参 数: CN37-1359/TE*1994*b*A4*138*zh*P*¥50.00*2000*20*2019-07

PETROLEUM GEOLOGY AND RECOVERY EFFICIENCY

Vol. 26 No.4 2019

CONTENTS

• EXPERT FORUM •

- “Extrusion, tension and strike-slip” mountain-forming mechanism and reservoir type of buried hills in Jiyang Depression *SONG Mingshui, WANG Huiyong, ZHANG Yunyin* (1)
- Physical meaning of adsorption isotherm constant and dimensionless adsorption isotherm equation *CHEN Yuanqian, LIU Haoyang, TANG Chenyang, GAN Lei* (9)

• PETROLEUM GEOLOGY •

- Deposition of warm contour current and its geological significance on oil and gas in Lower Ordovician Kelimoli Formation, Zhuozishan area *LI Xiangdong, HUAN Yaqi* (15)
- Characterization of microscopic pore structure of tight oil reservoirs in Lucaogou Formation, Jimusaer Sag *TIAN Wei, LIU Huiqing, HE Shunli, WANG Jing, XIE Ling* (24)
- Sedimentary characteristics of hyperpycnal flows in the 2nd sand group of middle Es₃ Member in Daluhu Oilfield, Boxing Subsag *CHEN Yanyan, LIN Chengyan, MA Cunfei, REN Lihua, LIANG Shuyi, WANG Huili, BIAN Bo* (33)
- Molecular simulation of methane adsorption on kaolinite *TANG Jupeng, SUN Shengjie, BAO Siyuan* (43)
- Geological condition analysis of shale gas and coalbed methane of Leping Formation in Well Quye1 of Pingle Depression *CHEN Zhe, WANG Zhongpeng, LI Shangru* (50)
- Numerical simulation of sedimentary process for carbonate reservoir in BU Oilfield, Iraq *WANG Pengfei, HUO Chunliang, YE Xiaoming, LIU Weilin, XU Jing* (56)

• PETROLEUM RECOVERY EFFICIENCY •

- Experimental study on multi-thermal fluid flooding by using horizontal wells in offshore heavy oil reservoirs *GE Taotao, Pang Zhanxi, LUO Chengdong, GAO Zhennan, DU Chunxiao* (62)
- Dual media numerical simulation of shale gas reservoirs considering rock deformation *JIANG Ruizhong, YUAN Jianwei, CUI Yongzheng, PAN Hong, LI Guang, ZHANG Haitao* (70)
- Rapid development indexes evaluation models on different reservoirs of new development blocks, SINOPEC oilfields *ZHAO Qingfei, FAN Zheyuan, ZHENG Xiangke, XU Qinglian, ZHANG Zhonghua* (77)
- Study and application of strata & well pattern reconstruction technique at extra high water cut stage in Daqing Oilfield *ZHAO Xiujuan, ZUO Songlin, WU Jiawen, ZHANG Changyan, JIN Yanxin, YANG Wenwu, LU Jingxin, MAO Wanyi* (82)
- Laboratory study on synergistic effect of interfacial activity and emulsifying properties on enhanced oil recovery with binary compound system *YU Qun* (88)
- Reservoir selection evaluation and application of flue gas-assisted gravity drainage technique *SHI Xiaorong, JIANG Xuefeng, CHEN Feng, LÜ Shiyao, HE Naixiang, LIU Lingling* (93)
- New method to comprehensively evaluate stream-assisted gravity drainage(SAGD)development result *LU Chuan, TIAN Ji, ZHENG Qiang, JIA Zhen, LIU Huiqing* (99)
- Quantitative evaluation of production capacity of high rank coalbed methane reservoir *WANG Jinghui, WANG Meidong, TIAN Feng, LIU Juguang, LIANG Zhengzhong* (105)
- Fluid flow pattern in fractures supported by proppant pillars *LU Cong, LU Yunxiao, LI Zhili, CHEN Tao, GUO Jianchun, JIANG Baoyun* (111)
- Optimization of high-energy gas fracturing technology for deep tight gas reservoirs in East China Sea *SUN Lin, GUO Shisheng, XIONG Peiqi, LI Xuguang* (119)
- Evaluation of shale gas well fracturing performance based on flowback water production data *WANG Yanyan, LIU Hua, WANG Weihong, HU Xiaohu, GUO Yandong, DAI Cheng* (125)
- Numerical simulation on propagation mode of hydraulic fracture approaching gravels in tight glutenite *ZHANG Zilin, CHEN Yong, ZHANG Quansheng, LI Aishan, ZHANG Liaoyuan, LI Ming, HUANG Bo* (132)