

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

PPG&REE

2018 6

第25卷 (卷终) 第6期 Vol.25 No.6

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 Caishouli

(公开发行 双月刊 1994年创刊)

第25卷 第6期 (总第135期)

2018年11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 刘北羿
技术编辑 罗 欣
英文编辑 刘北羿 英文审核 俞雨溪

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.25, No.6, Nov.2018

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 胜利油田分层注水工艺技术研究与实践……………王增林

·油气地质·

- 7 准噶尔盆地阜东斜坡阜19井区三叠系韭菜园子组沉积正演模拟
……………何文军,刘敏珠,吴俊军,杨彤远,朱 卡,李 啸,姚同云
- 16 鄂西宜昌地区寒武系页岩孔隙结构特征及发育主控因素
……………李 海,刘 安,罗胜元,陈孝红,陈 林
- 24 东濮凹陷古近纪断层活动性对洼陷演化及生烃的影响
……………余海波,程秀中,漆家福,谈玉明,徐田武
- 32 东方A气田浅海背景下莺歌海组“侧积”复合体成因机制分析
……………岳绍飞,张 辉,杨朝强,周 伟,覃利娟,薛国庆
- 38 延安以南地区奥陶系碳酸盐岩储层中流体包裹体及烃类物质的油气指示意义
……………伊 硕,黄文辉,王一刚,文应初
- 45 基于贝叶斯理论的裂缝性介质叠前地震同步反演方法……………汤 婕,吴国忱,邓小凡
- 51 济阳坳陷沾车地区义东断裂带走滑构造特征及其控藏作用
……………曹默雷,陈书平,刘雅利

·油气采收率·

- 56 等温吸附量计算方法的推导及应用……………陈元千,汤晨阳,陈 奇
- 63 CO₂驱三区复合油藏水平井压力动态分析
……………姜瑞忠,张海涛,张 伟,陈冠中,林春阳,原建伟
- 71 低渗透油田用CO₂气溶性泡沫体系研发及性能评价
……………毕卫宇,张攀峰,章 杨,杨棠英,刘笑春,王石头,任韶然
- 78 超高分三元共聚物流变特性及驱油性能……………祝仰文
- 84 部分水解聚丙烯酰胺溶液在孔喉模型中机械降解的主控因素
……………赵胜绪,岳湘安,张立娟,韦杰迈,凌 卿,刘 凯
- 89 聚合物-降粘剂复合驱注入速度界限确定方法……………夏晞冉
- 96 聚合物-降粘剂复合驱原油粘度界限确定方法
……………李宗阳,王业飞,张 娜,夏晞冉,赵方剑
- 101 砂岩油藏智能水驱提高采收率作用机理实验……………李雪娇,付美龙,陈 航,侯宝峰
- 107 致密油藏体积压裂水平井产量预测研究
……………林 旺,范洪富,王志平,童 敏,王少军,刘立峰
- 114 渤海油藏高渗透层封堵剂组成优化及其影响因素实验研究
……………王婷婷,卢祥国,潘 赫,陈 阳,刘进祥,吴 晗,张云宝,夏 欢
- 120 缝洞单元类型快速识别方法……………肖 阳,何 文,罗慎超,宋军政,杨 辉,陈 萍

·信息·

《油气地质与采收率》第六届编委会(封二) 欢迎订阅2019年《油气地质与采收率》
(62) 《中外能源》杂志征订启事(70) 更正说明(88) 《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*126*zh*P*¥50.00*2000*19*2018-11

PETROLEUM GEOLOGY AND RECOVERY EFFICIENCY

Vol. 25 No.6 2018

CONTENTS

· EXPERT FORUM ·

Research and practice of separated layer water injection technology in Shengli Oilfield WANG Zenglin (1)

· PETROLEUM GEOLOGY ·

Forward modeling of sedimentation in the Triassic Jiucaiyuanzi Formation in Well Fu19 area of the Fudong slope, Junggar Basin HE Wenjun, LIU Minzhu, WU Junjun, YANG Tongyuan, ZHU Ka, LI Xiao, YAO Tongyun (7)

Pore structure characteristics and development control factors of Cambrian shale in the Yichang area, western Hubei LI Hai, LIU An, LUO Shengyuan, CHEN Xiaohong, CHEN Lin (16)

Effects of Paleogene faulting on the subsag evolution and hydrocarbon generation in Dongpu Sag YU Haibo, CHENG Xiushen, QI Jiafu, TAN Yuming, XU Tianwu (24)

Analysis of formation mechanism of the lateral accretion packages in the Yinggehai Formation under the background of shallow sea in Dongfang A Gasfield, Yinggehai Basin YUE Shaofei, ZHANG Hui, YANG Zhaoqiang, ZHOU Wei, QIN Lijuan, XUE Guoqing (32)

Fluid inclusions and hydrocarbons in Ordovician carbonate reservoirs in the South of Yan'an and its implication for oil and gas YI Shuo, HUANG Wenhui, WANG Yigang, WEN Yingchu (38)

Pre-stack seismic synchronous inversion method for fractured media based on Bayesian theory TANG Jie, WU Guochen, DENG Xiaofan (45)

Strike-slip structure characteristics of Yidong fault zone and its influence on the hydrocarbon accumulation in Zhancheara, Jiyang Depression CAO Molei, CHEN Shunping, LIU Yali (51)

· PETROLEUM RECOVERY EFFICIENCY ·

Derivation and application of isothermal adsorption rate calculation method CHEN Yuanqian, TANG Chenyang, CHEN Qi (56)

Dynamic pressure analysis of three-zone composite horizontal well in oil reservoirs for CO₂ flooding JIANG Ruizhong, ZHANG Haitao, ZHANG Wei, CHEN Guanzhong, LIN Chunyang, YUAN Jianwei (63)

Development and performance evaluation on CO₂-soluble surfactant foam system for low permeability reservoir BI Weiyu, ZHANG Panfeng, ZHANG Yang, YANG Tangying, LIU Xiaochun, WANG Shitou, REN Shaoran (71)

Study on rheology and oil displacement properties of ultra high molecular weight terpolymer ZHU Yangwen (78)

Main controlling factors of mechanical degradation of HPAM in pore-throat model ZHAO Shengxu, YUE Xiang'an, ZHANG Lijuan, WEI Jiemei, LING Qing, LIU Kai (84)

A method of calculating injection rate limit for polymer/viscosity reducer combination flooding XIA Xiran (89)

Determination method of the upper limit of oil viscosity suitable for polymer/viscosity reducer combination flooding LI Zongyang, WANG Yefei, ZHANG Na, XIA Xiran, ZHAO Fangjian (96)

Experimental study on mechanism of enhanced oil recovery by smart water flooding in sandstone oil reservoirs LI Xuejiao, FU Meilong, CHEN Hang, HOU Baofeng (101)

Prediction on production of volume fractured horizontal well in tight reservoirs LIN Wang, FAN Hongfu, WANG Zhiping, TONG Min, WANG Shaojun, LIU Lifeng (107)

Experimental study on the composition optimization of plugging agents and its influencing factors for highly permeable layers of Bohai Oilfield WANG Tingting, LU Xiangguo, PAN He, CHEN Yang, LIU Jinxiang, WU Han, ZHANG Yunbao, XIA Huan (114)

A fast recognition method of fractured-vuggy unit type XIAO Yang, HE Wen, LUO Shenchao, SONG Junzheng, YANG Hui, CHEN Ping (120)