

断块油气田

(双月刊·1994年创刊)

2010年第17卷第4期

(总第100期)

2010年7月25日出版

(公开发行)

目 次

主管单位 中国石油化工集团公司

主办单位 中原石油勘探局

主编 孔凡群

常务副主编 王寿平 焦大庆

副主编 陈万江

责任编辑 杨会朋

英文编辑 刘丽

技术编辑 崔鸣

编辑出版 《断块油气田》期刊社

国内发行 河南省邮政局

邮发代号 36-351

国外发行 中国国际图书贸易总公司

北京399信箱 邮编 100044

国际标准连续出版物号

ISSN 1005-8907

国内标准连续出版物号

CN 41-1219/TE

广告经营许可证号

4109004000001

定 价 国内 10 元/册 60 元/年
国外 10 美元/册 60 美元/年

地 址 河南省濮阳市中原路 157 号

邮 编 457001

电 话 (0393)4820093

传 真 (0393)4824957

网 址 www.dkyqt.com

E-mail dkyqt@vip.163.com

印 刷 郑州豫兴印刷有限公司

地质勘探

- 龙门山冲断带前缘地区侏罗系出露与油气分布关系 ······ 金文正, 汤良杰, 杨克明, 等 (385)
东营凹陷沙河街组断块油气藏成藏主控因素分析 ······ 于铁星, 庞雄奇, 陈冬霞, 等 (389)
松辽盆地南部深层火山岩储层成岩作用类型及特征 ······ 李霞, 董成, 胡志方 (393)
克-百地区二叠系成岩作用 ······ 鲁新川, 刘振宇, 鲁阳, 等 (397)
永安地区断层封堵性研究 ······ 张琴, 唐颖, 张建丽, 等 (402)
灰色关联网格化综合评价普光气田储层 ······ 万晓伟, 华建霞, 刘志远, 等 (405)
印尼J区块西部浊积砂体的发现及其地质意义 ······ 刘亚明, 薛良清, 杨福忠, 等 (409)
准噶尔盆地南缘水西沟群物源与环境分析 ······ 陈永振, 周立发, 白斌, 等 (413)
东营凹陷沙四段湖相白云岩沉积特征及成因 ······ 李得立, 谭先锋, 夏敏全, 等 (418)
冀北坳陷郭杖子单斜带中上元古界成藏条件分析 ······ 王洪斌, 王景梅, 程峰, 等 (423)
大清字井地区特征参数反演储层预测 ······ 袁井菊, 贾庆素, 施少武 (426)
鄂尔多斯盆地中西部下白垩统露头区裂缝研究 ······ 潘欣, 周立发, 刘彬辉, 等 (430)
建筑结构控制下的油藏属性建模 ······ 高晓歌, 谢麟之, 齐陆宁 (434)
世界非常规天然气的储量及开采现状 ······ 陈会年, 张卫东, 谢麟之, 等 (439)

开发工程

- 气井垂直管流计算方法的推导与应用 ······ 陈元千 (443)
边水油藏水平井见水规律及控水措施研究 ······ 曹立迎, 刘慧卿, 张宗元, 等 (448)
Box-Behnken 法研究二氧化碳驱油效果影响因素 ······ 王涛, 姚约东, 朱黎明, 等 (451)
水平井压裂选井选层技术探讨 ······ 苏建政 (455)
渤海 BZ25-1 油田开发井型及完井方式适应性 ······ 陈民锋, 姜汉桥, 郑伟, 等 (458)
新立油田低渗透油层裂缝模型研究 ······ 薛永超 (462)
油田经济规模产量计算方法 ······ 刘斌 (466)
层次分析法在油藏经营方案优化决策中的应用 ······ 魏桂香 (469)

钻采工程

- 有机铬冻胶暂堵剂的研制及应用性能 ······ 周伟, 王业飞, 赵方剑, 等 (472)
利用井下节流技术防止水合物形成 ······ 朱达江, 林元华, 朱红钧, 等 (477)
汪深 1-平 1 井轨迹控制技术 ······ 黄松伟, 丁向京 (480)
应用分层技术重新认识濮城油田沙二上油藏 ······ 刘汝福, 李倩, 马祥凤 (483)
压裂酸化效果分析与决策系统 ······ 欧阳传湘, 谭蓓 (487)
明十四块整体调驱工艺技术 ······ 李广军, 赵长权, 王瑞庭, 等 (491)
高压充填重复防砂对产能的影响及解决方案 ······ 邓金根, 谭强, 孙焱, 等 (494)
积液停产气井注气合压降液诱喷复产工艺 ······ 张中伟, 耿新中 (497)
高压深井压裂液加重技术研究进展 ······ 段志英 (500)
塔河油田沥青质稠油成因分析及防治技术 ······ 胡文革 (503)
文 23 气田清防盐工艺技术 ······ 朱艳春, 汪海, 汪召华, 等 (506)

测井测试

- 低阻油层识别新方法及其应用 ······ 肖冬生, 乔东生 (509)
塔河油田三叠系低阻油气层测井评价 ······ 张海燕, 王栋梁, 周红涛 (513)
运用核磁共振录井技术评价砂砾岩体储层 ······ 孟祥梅, 杨少春, 王东亮 (517)

信息简讯

- 《断块油气田》网站正式开通 (401) 中国 2010 年前 5 个月共进口原油 9.569×10^4 t (468) 中国石化在重庆首次钻获高产天然气井 (486) 中国石化川西深层发现千亿立方米气田 (512)

CONTENTS

FAULT-BLOCK OIL & GAS FIELD

(Bimonthly Started in 1994)

Vol. 17 No. 4

(Total No. 100)

Published on 25 July 2010

Responsible Institution:

China Petrochemical
Corporation

Sponsor:

Zhongyuan Petroleum
Exploration Bureau

Chief Editor:

Kong Fanqun

Vice-standing Chief Editor:

Wang Shouping Jiao Daqing

Vice Chief Editor:

Chen Wanjiang

Publisher:

Periodical Agency of Fault-
Block Oil & Gas Field

Address:

No.157, Zhongyuan Road,
Puyang, Henan

Postcode: 457001

Tel: 86-393-4820093

Fax: 86-393-4824957

<http://www.dkyqt.com>

E-mail: dkyqt@vip.163.com

Domestic Distributor:

Post Office of Henan Province
Overseas Distributor:

China International Book
Trading Corporation, P. O.
Box 399, Beijing 100044,
P. R. China

Periodical Registrations:

ISSN 1005-8907

CN 41-1219/TE

Ad. Licence:

4109004000001

PETROLEUM GEOLOGY AND EXPLORATION

- Relationships between the exposed Jurassic and the hydrocarbon distribution in frontal area of Longmen Mountain thrust belt... Jin Wenzheng, Tang Liangjie, Yang Keming, et al.(385)
Main controlling factors about hydrocarbon accumulation in fault-block reservoir in Shahejie Formation of Dongying Sag Yu Yixing, Pang Xiongqi, Chen Dongxia, et al.(389)
Diagenesis types and characteristics for deep volcanic reservoir in southern Songliao Basin..... Li Xia, Dong Cheng, Hu Zifang(393)

- Diagenesis of Permian reservoir in Ke-Bai Area Lu Xinchuan, Liu Zhenyu, Lu Yang, et al.(397)
Study on fault sealing in Yongan Area Zhang Qin, Tang Ying, Zhang Jianli, et al.(402)
Integrated evaluation of reservoir for Puguang Gas Field with gray correlation gridding..... Wan Xiaowei, Bi Jianxia, Liu Zhiyuan, et al.(405)

- Discovery and geological significance of turbidite sandstones in western Block J, Indonesia..... Liu Yaming, Xue Liangqing, Yang Fuzhong, et al.(409)
Analysis of provenance and environment of Shuixitogou Group in southern margin of Junggar Basin Chen Yongzhen, Zhou Lifa, Bai Bin, et al.(413)
Sedimentary characteristics and genesis of lacustrine dolomite in the fourth member of Shahejie Formation in Dongying Sag..... Li Deli, Tan Xianfeng, Xia Minquan, et al.(418)
Analysis of hydrocarbon accumulation condition of Middle-Upper Proterozoic in Guozhangzi monoclonal zone, Jibei Depression Wang Hongbin, Wang Jingmei, Cheng Feng, et al.(423)

- Reservoir prediction using characteristic parameter inversion in Daqingzijiang Area Yuan Jingju, Jia Qingsu, Shi Shaowu(426)
Study on fractures of outcrop area in Lower Cretaceous in central and western Ordos Basin..... Pan Xin, Zhou Lifa, Liu Binhui, et al.(430)

- Stochastic modeling of reservoir property with architectural-element controlling Gao Xiaoge, Xie Linzhi, Qi Lunling(434)
Reserves and development status of global unconventional natural gas Chen Huinian, Zhang Weidong, Xie Linzhi, et al.(439)
DEVELOPMENT ENGINEERING

- Derivation and application of calculating methods of vertical pipe flow in gas wells..... Chen Yuanqian(443)
Research on law of water breakthrough and water control for horizontal well in edge water reservoir Cao Liying, Liu Huiqing, Zhang Zongyuan, et al.(448)
Study on influential factors of CO₂ displacement with Box-Behnken method..... Wang Tao, Yao Yuedong, Zhu Liming, et al.(451)
Research on selection of well and formation for horizontal well fracturing Su Jianzheng(455)
Compatibility of different development well types and well completion systems with reservoirs in BZ25-1 Oilfield..... Chen Minfeng, Jiang Hanqiao, Zheng Wei, et al.(458)

- Study on the fractured model of low permeability reservoir in Xinli Oilfield Xue Yongchao(462)
Calculation of economic commercial production for oilfield Liu Bin(466)
Application of analytical hierarchy process in decision optimization of reservoir management plan Wei Guixiang(469)
DRILLING/PRODUCTION TECHNOLOGY

- Preparation and evaluation on temporary blocking agent of organic chromium gel type..... Zhou Wei, Wang Yefei, Zhao Fangjian, et al.(472)
Preventing hydrate generation with downhole throttling technique in gas well Zhu Dajiang, Lin Yuanhua, Zhu Hongjun, et al.(477)

- Trajectory control technique of Well Wangshen1-Ping1 Huang Songwei, Ding Xiangjing(480)
New knowledge of Upper Es₂ reservoir with layering technique in Pucheng Area Liu Rufu, Li Qian, Ma Xiangfeng(483)
Effect analysis and decision-making system for fracturing and acidizing Ouyang Chuanxiang, Tan Bei(487)
Integral profile controlling and oil displacement technology in Ming 14 Block..... Li Guangjun, Zhao Changquan, Wang Ruiting, et al.(491)

- Influence of high pressure pack repeat sand control on productivity and solution ... Deng Jingen, Tan Qiang, Sun Yan, et al.(494)
Reproduction technology with gas injection and resultant pressure in watered-out gas well... Zhang Zhongwei, Geng Xinzhong(497)
Research progress on weighted fracturing fluid technology for deep well with high pressure Duan Zhiying(500)
Origin analysis and controlling technology for asphaltic heavy oil in Tahe Oilfield Hu Wenge(503)
Technology of salt deposit elimination and prevention in Wen 23 Gas Field Luan Yanchun, Wang Hai, Wang Zhaohua, et al.(506)

LOGGING & WELL TEST

- New method for identifying low resistivity reservoirs and its application Xiao Dongsheng, Qiao Dongsheng(509)
Logging evaluation of low resistivity reservoir in Triassic, Tahe Oilfield..... Zhang Haiyan, Wang Dongliang, Zhou Hongtao(513)
Using NMR mud logging technology to evaluate conglomerate reservoir..... Meng Xiangmei, Yang Shaochun, Wang Dongliang(517)