



全国中文核心期刊
中国科技核心期刊
中国期刊全文数据库(CJFD)全文收录期刊
中国学术期刊综合评价数据库(CAJCED)统计源期刊
中国学术期刊(光盘版)收录期刊
中国石油文摘收录期刊
美国剑桥科学文摘(自然科学)收录期刊
美国剑桥科学文摘(工程技术)收录期刊
美国石油文摘(PA)收录期刊
美国化学文摘(CA)收录期刊
美国乌利希期刊指南收录期刊
波兰哥白尼索引收录期刊

ISSN 1005-8907
CN 41-1219/TE

断块油气田

FAULT-BLOCK OIL & GAS FIELD

Vol.20 No.2
2013.2

ISSN 1005-8907



中国石油化工集团公司 主管
中原石油勘探局 主办

万方数据

地质勘探

南海东部油气勘探失利原因分析	李昭伟, 钟辉, 李楚吟, 崔立敏, 林鹤鸣	137
埕岛东斜坡东营组层序地层特征及油气勘探方向	高喜龙	140
冀中拗陷石炭—二叠系烃源岩埋藏-生烃史控制因素	尘福艳, 丁文龙, 钱铮, 久凯, 姚佳利	145
张家垛油田早三段储层成岩作用	黄方方, 丁晓琪, 万友利, 张世懋, 赵小强	150
南方海相志留系页岩有机质类型恢复研究	张琴, 王红岩, 拜文华, 吝文, 杜东	154
新场地区须二段泥岩稀土元素地球化学特征及意义	何德军, 陈洪德, 钱利军	157
地震重构反演在大庆长垣剩余油预测中的应用	何英伟	162
基于构造稳定性的断层垂向封闭能力评价	侯亚伟, 杨庆红, 黄凯, 罗宪波, 吴婷婷, 宋来明	166
塔里木盆地玉北地区断裂特征及控制作用	杜永明, 余腾孝, 郝建龙, 邱华标	170
苏里格气田储层识别敏感参数分析及应用	王俊骏, 桂志先, 谢晓庆, 李旻旻	175
储层相结构模式及其开发响应特征	李冰娥, 尹太举, 代盈莹, 叶小明, 路遥	178
某区块储层裂缝特征及其对注气开发的影响	王兆生, 唐小梅, 陶嫄嫄, 张振国, 程子翔, 殷世艳, 杜敬国	183

开发工程

页岩气渗流机理与产能研究	李亚洲, 李勇明, 罗攀, 赵金洲	186
鄂尔多斯盆地长 7 超低渗油藏渗流规律研究	陈明强, 任龙, 李明, 岳艳芳	191
镇北地区超低渗储层敏感性评价及机理探讨	吴小斌, 王志峰, 崔智林, 张琰图	196
特高含水期水驱油效率计算新方法	王华, 酆绍献, 张海燕, 颜子, 安永生, 孙志刚	201
基于 BP 神经网络的油田生产动态分析方法	樊灵, 赵孟孟, 殷川, 朋兴亚	204
裂缝型低渗油藏主、侧向井渗透率推算	卢丽, 陈小凡, 夏彪, 乐平, 易红, 李晨溪	207
纵向渗透率级差对注水井吸水特征的影响	李明军, 马勇新, 杨志兴	210
管流模型概算法识别大孔道	杨艳, 王业飞, 郑家朋, 骆洪梅, 张鹏	213
层状砂岩油藏水平井与定向井适应性探讨	屈亚光, 安桂荣, 周文胜, 许家峰, 耿艳宏	216

钻采工艺

等离子通道钻井技术概况和发展前景	王鄂川, 樊洪海, 徐鹏, 邓嵩, 陈旭跃	221
案例推理技术在钻井风险预测中的应用	陈锐, 李黔, 尹虎	225
抗温 180℃水包油钻井液研究及应用	马文英, 刘彬, 卢国林, 王玉海, 李保慧	228
大牛地气田转向酸压压技术研究与应用	徐兵威, 李克智, 秦玉英, 何青, 李国锋	232
速溶胍胶压裂液的研制及再生可行性研究	林珊珊, 张杰, 王荣, 徐蕾	236
薄层稠油水平井蒸汽驱优化设计	宋杨	239
齐 40 块蒸汽驱热能综合利用分析与评价	范世通	242
CO ₂ 、N ₂ 与蒸汽混合增效作用研究	林涛, 孙永涛, 刘海涛, 王少华, 顾启林, 王通	246
塔河砂岩油藏水平井出水分析及配套堵水工艺	刘广燕, 秦飞, 吴文明, 李亮, 詹兆文	248
二次交联泡沫冻胶体系评价与应用	闫海俊, 巨登峰, 谢刚, 李翠琴, 张冀, 胡春明	252
低压油气藏地下储气库井射孔工艺优化	郭祥波, 郭昭学, 朱忠伟, 黄锐, 陈亮	255

测井测试

考虑非均质及表皮因子的一点法试井资料处理方法	李元生, 李相方, 滕赛男, 刘晓东, 唐敏燕, 徐大荣, 和向楠, 李娜	258
薄储层测井解释的影响因素及对策	王卫萍, 王勤华, 陈汉林, 赵伟祥, 姜登美	262
锡林好来地区复杂储层测井综合识别及应用	杨福成, 光兴毅, 张放东, 贾进华, 陈江虹	268

信息简讯

中国石油井中微地震裂缝监测技术获重大突破	149	中海油完成收购加拿大尼克森公司的交易	212	我国首套 RMS-I 型磁定位系统通过鉴定	231	中国科技核心期刊收录证书	封二
----------------------	-----	--------------------	-----	-----------------------	-----	--------------	----

(责任编辑:刘文梅 英文编辑:姬美兰 美术编辑:崔鸣)

Fault-Block Oil & Gas Field

Vol.20 No.2 Mar. 2013(Total No.116)

CONTENTS

PETROLEUM GEOLOGY AND EXPLORATION

Causes analysis of unsuccessful exploration in eastern South China Sea	Li Zhaowei, Zhong Hui, Li Chuyin, Cui Limin, Lin Heming	137
Sequence stratigraphic characteristics and hydrocarbon exploration targets of Dongying Formation in Eastern Slope Area of Chengdao Oilfield ...	Gao Xilong	140
Control factors of burial-hydrocarbon generation history of Carboniferous-Permian source rocks in Jizhong Depression	Chen Fuyan, Ding Wenlong, Qian Zheng, Jiu Kai, Yao Jiali	145
Diagenesis of Fu 3 Member reservoir in Zhangjiado Oilfield	Huang Fangfang, Ding Xiaoqi, Wan Youli, Zhang Shimao, Zhao Xiaoqiang	150
Restoration of organic matter type in Silurian marine shale, South China	Zhang Qin, Wang Hongyan, Bai Wenhua, Lin Wen, Du Dong	154
Geochemical characteristics of rare earth elements and its geological signification for mudstones of the second member of Xujiache Formation in Xinchang Area	He Dejun, Chen Hongde, Qian Lijun	157
Application of seismic reconstruction inversion in remaining oil prediction of Daqing Placantieline	He Yingwei	162
Evaluation on vertical sealing ability of fault based on structural stability ...	Hou Yawei, Yang Qinghong, Huang Kai, Luo Xianbo, Wu Tingting, Song Laiming	166
Fracture characteristics and control action on hydrocarbon accumulation in Yubei Area of Tarim Basin	Du Yongming, Yu Tengxiao, Hao Jianlong, Qiu Huabiao	170
Analysis and application of sensitive parameters of reservoir identification in Sulige Gas Field	Wang Junjun, Gui Zhixian, Xie Xiaoqing, Li Yini	175
Reservoir architecture model and its development response characteristics	Li Bing'e, Yin Taiju, Dai Yingying, Ye Xiaoming, Lu Yao	178
Characteristics of reservoir fracture and its influence on gas injection in one block	Wang Zhaosheng, Tang Xiaomei, Tao Xianxian, Zhang Zhenguo, Cheng Zixiang, Yin Shiyan, Du Jingguo	183

DEVELOPMENT ENGINEERING

Study on seepage mechanism and productivity of shale gas	Li Yazhou, Li Yongming, Luo Pan, Zhao Jinzhou	186
Study on seepage law of Chang 7 ultra-low permeability reservoir in Ordos Basin	Chen Mingqiang, Ren Long, Li Ming, Yue Yanfang	191
Sensitivity evaluation and mechanism discussion on ultra-low permeability reservoir in Zhenbei Area ...	Wu Xiaobin, Wang Zhifeng, Cui Zhilin, Zhang Yantu	196
A new method suitable for water-oil displacement efficiency calculation in extra-high water cut period	Wang Hua, Bing Shaoxian, Zhang Haiyan, Yan Zi, An Yongsheng, Sun Zhigang	201
Analysis method of oilfield production performance based on BP neural network	Fan Ling, Zhao Mengmeng, Yin Chuan, Peng Xingya	204
Permeability calculation of principal stress directional and lateral wells in fractured low permeability reservoir	Lu Li, Chen Xiaofan, Xia Biao, Yue Ping, Yi Hong, Li Chenxi	207
Effects of vertical permeability contrast on water absorption in water injection well	Li Mingjun, Ma Yongxin, Yang Zhixing	210
Approximate calculation method to identify high permeable channel based on pipe flow mode	Yang Yan, Wang Yefei, Zheng Jiapeng, Luo Hongmei, Zhang Peng	213
Discussion on adaptability of horizontal well and directional well in stratified sandstone reservoir	Qu Yaguang, An Guirong, Zhou Wensheng, Xu Jiafeng, Geng Yanhong	216

DRILLING/PRODUCTION TECHNOLOGY

Overview and development prospects of plasma channel drilling technology	Wang Echuan, Fan Honghai, Xu Peng, Deng Song, Chen Xuyue	221
Application of case-based reasoning technology in drilling risk prediction	Chen Rui, Li Qian, Yin Hu	225
Study and application of anti-temperature 180 ℃ oil-in-water drilling fluid	Ma Wenying, Liu Bin, Lu Guolin, Wang Yuhai, Li Baohui	228
Study and application of acid fracturing technology with diversion acid in Daniudi Gas Field ...	Xu Bingwei, Li Kezhi, Qin Yuying, He Qing, Li Guofeng	232
Study on development and reutilization feasibility of instant guar gum fracturing fluid	Lin Shanshan, Zhang Jie, Wang Rong, Xu Lei	236
Optimization design of steam flooding for horizontal well in thin heavy oil reservoir	Song Yang	239
Comprehensive analysis and evaluation on heat efficiency of steam flooding in Block Qi 40	Fan Shitong	242
Research on mixing efficiency of carbon dioxide, nitrogen and steam	Lin Tao, Sun Yongtao, Liu Haitao, Wang Shaohua, Gu Qilin, Wang Tong	246
Watering analysis and matching water plugging technology for horizontal wells in sandstone reservoir of Tahe Oilfield	Liu Guangyan, Qin Fei, Wu Wenming, Li Liang, Zhan Zhaowen	248
Evaluation and application of gelled foam with secondary cross-linking	Yan Haijun, Ju Dengfeng, Xie Gang, Li Cuiqin, Zhang Ji, Hu Chunming	252
Perforation technology optimization of underground gas storage wells in low pressure reservoir	Guo Xiangbo, Guo Zhaoxue, Zhu Zhongwei, Huang Rui, Chen Liang	255

LOGGING & WELL TEST

Single-point method for well test data processing considering reservoir heterogeneity and skin factor	Li Yuansheng, Li Xiangfang, Teng Sainan, Liu Xiaodong, Tang Minyan, Xu Darong, He Xiangnan, Li Na	258
Influence factors of thin reservoir log interpretation and the countermeasures ...	Wang Weiping, Wang Qinhua, Chen Hanlin, Zhao Weixiang, Jiang Dengmei	262
Logging comprehensive identification and application of complex reservoir in Xilinhalai Area	Yang Fucheng, Guang Xingyi, Zhang Fangdong, Jia Jinhua, Chen Jianghong	268