

中文科技期刊数据库全文收录
中国核心期刊(遴选)数据库收录

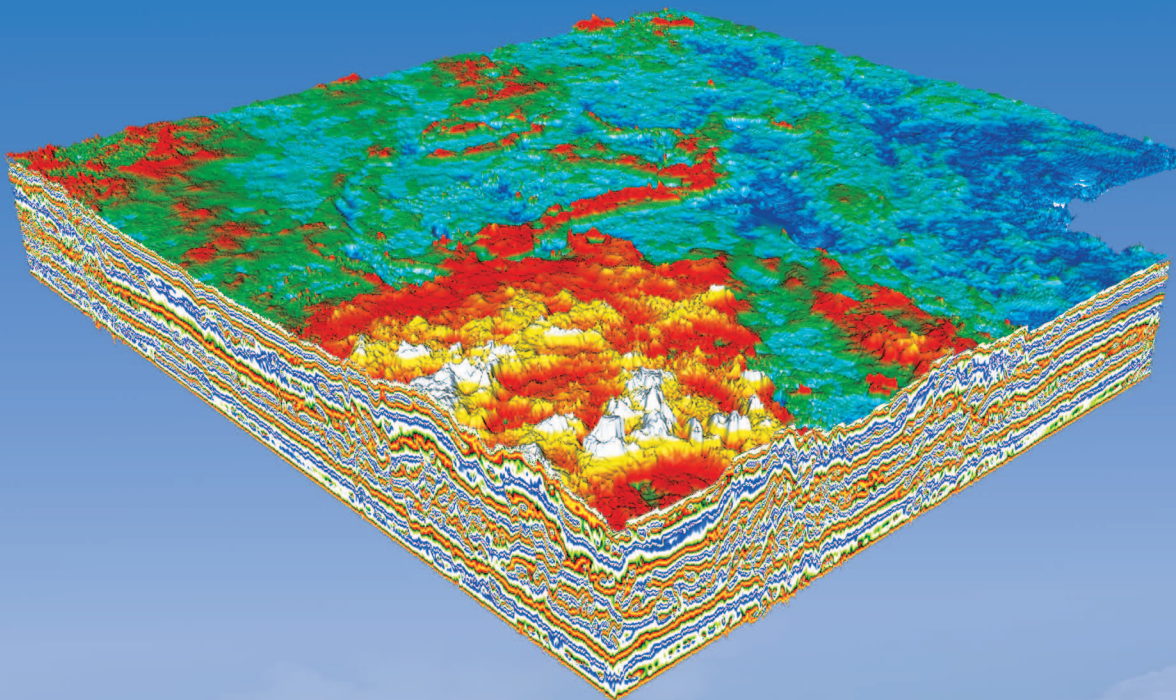
万方数据-数字化期刊群全文上网
中国学术期刊网络出版总库全文收录

天然气勘探与开发

NATURAL GAS EXPLORATION AND DEVELOPMENT



- 四川盆地地球物理方法应用专题
- 水平井钻井技术专题
- 致密气井增产措施专题
- 页岩气井生产分析新方法专题
- 探索老气田数字化管理之路



成都简阳地区火山岩三维地震展示图

主管单位: 中国石油西南油气田公司
主办单位: 中国石油西南油气田公司勘探开发研究院

2020.2

Vol.43 No.2

天然气勘探与开发(季刊) 第四十三卷 第二册 二〇二〇年六月二十五日出版

目次

资源勘探

- “双高”地震资料处理技术与应用——以四川盆地射洪区块沙溪庙组河道砂储层成像为例
杨广广, 吕夔, 韩嵩, 梁菁, 曾华会 (1)
- 基于小平滑面的非线性网格层析速度建模技术——以四川盆地双鱼石区块为例
曾鸣, 狄贵东, 彭浩天, 屠志慧, 孔令霞, 韩嵩 (9)
- 基于低频重构的强非均质性火山岩储层预测——以简阳地区二叠系火山岩储层为例
何青林, 陈康, 冉崎, 夏青, 张旋, 彭浩, 邹定永 (16)
- 基于 OVT 域数据各向异性处理的缝洞预测方法——以四川盆地云锦向斜茅口组为例
龙隆, 陈康, 冉崎, 曾鸣, 彭达, 王跃祥 (23)
- 匹配追踪旁瓣压制方法在四川盆地栖霞组储层识别中的应用
狄贵东, 陈康, 冉崎, 龙隆, 梁瀚, 张晨 (30)
- 四川盆地大猫坪构造长兴组测井沉积微相识别
张红英, 谢冰, 袁倩, 刘蜀敏, 王丽英 (38)

气田开发

- 伊拉克米桑油田裂缝性地层非标井眼水平井钻井技术
陈国军 (45)
- 四川盆地震旦系灯二段水平井段优快钻井技术——以高石 123 井为例
张春林, 古光平, 刘德平, 张杰, 任文峰, 张亚明, 胡仁德, 彭聪 (53)
- 相国寺储气库采气管道清管周期探讨
汤丁, 蒋华全, 禹贵成, 陈家文, 王岩 (59)
- 探索老气田数字化管理之路
任玉清, 侯飞燕, 何俊峰, 龙双双, 李宏 (65)
- 淮南地区霍尔果斯构造超高密度油基钻井液技术应用
刘政, 李俊材, 邵平 (71)

非常规油气

- 应用地质成果优化致密气水平井压裂设计
魏志鹏, 冯青, 曾鸣, 张万春 (79)
- 鄂尔多斯盆地临兴致密气田低效井措施优选方法
丁万贵, 刘世界, 董建宏, 王群超, 杨宇光, 刘金海 (88)
- 致密低渗气藏气井“四线六区”工况识别方法
周瑞立 (95)
- 页岩气井压力递减分析新方法
彭朝阳, 李井亮, 韩永胜, 王林, 黄小青, 吕一 (104)
- 页岩气井排采携液能力分析新方法
严鸿, 商绍芬, 王昊, 李梅琳, 钟海全, 黄小明 (110)

行业动态

- 俄罗斯能源部长预计七月石油市场将重新平衡 (22)
- 中国公司建造浮式储油罐 (58)
- 非常规致密气藏中地下 3D 储层模型的 3D 水力压裂模拟案例研究 (64)
- 通过原位脉冲降低致密油藏的破裂压力: 矿物学的影响 (87)
- 巴西国家石油公司获得新发现 (94)
- 中国正在拯救世界石油市场 (103)

CONTENTS

Vol.43 No.2 (Total No.170) 25th June, 2020

■ RESOURCES EXPLORATION

- 1 "Double-high" seismic-data processing technology and its application: An example from imaging of channel sandbody reservoirs of Shaximiao Formation, Shehong block, Sichuan Basin *by Yang Guangguang, Lv Yan, Han Song, Liang Jing, and Zeng Huahui*
- 9 Nonlinear grid tomography velocity modeling technology based on small smooth plane and its application: An example from Shuangyushi block, Sichuan Basin *by Zeng Ming, Di Guidong, Peng Haotian, Tu Zhihui, Kong Lingxia, and Han Song*
- 16 Predicting strongly heterogeneous volcanic reservoirs based on low-frequency reconstruction: An example from Permian volcanic reservoirs, Jianyang area, Sichuan Basin *by He Qinglin, Chen Kang, Ran Qi, Xia Qing, Zhang Xuan, Peng Hao, and Zou Dingyong*
- 23 A method to predict fracture and vug based on OVT-domain data anisotropy processing: An example from Maokou Formation, Yunjin syncline, Sichuan Basin *by Long Long, Chen Kang, Ran Qi, Zeng Ming, Peng Da, and Wang Yuexiang*
- 30 Application of matching pursuit based sidelobe suppression method to reservoir identification of Qixia Formation, Sichuan Basin *by Di Guidong, Chen Kang, Ran Qi, Long Long, Liang Han, and Zhang Chen*
- 38 Logging-based sedimentary microfacies identification of Changxing Formation, Damaoping structure, Sichuan Basin *by Zhang Hongying, Xie Bing, Yuan Qian, Liu Shumin, and Wang Liying*

■ GASFIELD DEVELOPMENT

- 45 Horizontal-well drilling technologies with non-standard borehole for fractured formations, Missan oilfield, Iraq *by Chen Guo jun*
- 53 Optimal fast drilling for horizontal interval in Sinian Dengying 2 Member Formation, Sichuan Basin: An example from Gaoshi 123 well *by Zhang Chunlin, Gu Guangping, Liu Deping, Zhang Jie, Ren Wenfeng, Zhang Yaming, Hu Rende, and Peng Cong*
- 59 Pigging period of gas-gathering pipelines at Xiangguosi UGS *by Tang Ding, Jiang Huaquan, Yu Guicheng, Chen Jiawen, and Wang Yan*
- 65 Exploring a way of digital management for old gasfields *by Ren Yuqing, Hou Feiyan, He Junfeng, Long Shuangshuang, and Li Hong*
- 71 Ultra-high density oil-based drillingfluid and its application to Horgos structure, southern Junggar Basin *by Liu Zheng, Li Juncai, and Shao Ping*

■ UNCONVENTIONAL OIL AND GAS

- 79 Optimizing fracturing design for tight-gas horizontal wells based on geological achievements *by Wei Zhipeng, Feng Qing, Zeng Ming, and Zhang Wanchun*
- 88 A method to optimally select measures for low-efficiency wells, Linxing tight gas field, Ordos Basin *by Ding Wangui, Liu Shijie, Dong Jianhong, Wang Qunchao, Yang Yuguang, and Liu Jinhai*
- 95 A method to identify "four-line and six-zone" working condition for gas wells in low-permeability tight gas reservoirs *by Zhou Ru ili*
- 104 A new pressure-decline analysis method suitable for shale gas wells *by Peng Chaoyang, Li Jingliang, Han Yongsheng, Wang Lin, Huang Xiaoqing, and Lv Yi*
- 110 A new method to analyze fluid-carrying capacity during drainage gas recovery in shale gas wells *by Yan Hong, Shang Shaofen, Wang Hao, Li Meilin, Zhong Haiquan, and Huang Xiaoming*

■ INDUSTRY DYNAMIC DEVELOPMENT