

ISSN 0253-9985

CN 11-4820/TE

CODEN SYYCDL



美国《工程索引》(EI) 收录期刊

《中国科学引文数据库》(CSCD) 收录期刊

《中文核心期刊要目总览》收录期刊

石油与天然气地质

OIL & GAS GEOLOGY

2020年

第41卷 第2期

ISSN 0253-9985



9 770253 998201



中国石油化工股份有限公司石油勘探开发研究院
中国地质学会石油地质专业委员会

主 办

石油与天然气地质

(双月刊)
第41卷 第2期
2020年4月

全国优秀科技期刊
中国精品科技期刊
中国石化优秀期刊一等奖
中国国际影响力优秀学术期刊
“RCCSE”中国权威学术期刊
中国科学引文数据库源期刊
中国科技论文统计源期刊
美国工程索引(EI)源期刊
美国化学文摘(CA)源期刊
美国石油文摘(PA)源期刊
俄罗斯文摘杂志(AJ)源期刊
日本JST数据库源期刊
美国GeoRef数据库源期刊
英国动物学记录(ZR)源期刊

主 编 何治亮
副 主 编 刘春燕
编辑部主任 李 军
责任编辑 张亚雄
专业编辑 李 军 董 立
张亚雄 张玉银
梁 慧
英文翻译 张 晟
英文审校 何 军 白振瑞
方方数据 卢雪梅

目 次

【油气地质】

- 渤海海域太古界深埋变质岩潜山优质储集层形成机制与油气勘探意义 徐长贵,杜晓峰,刘晓健,徐 伟,郝轶伟(235)
- 渤海湾盆地古近系油气富集差异性及其主控因素 蒋有录,苏圣民,刘 华,王永诗,崔小君(248)
- 渤海湾盆地黄河口凹陷新近系油气富集模式与成藏主控因素定量评价 杨海风,徐长贵,牛成民,钱 康,李正宇,高雁飞,黄 振(259)
- 长石溶解-沉淀的热力学和动力学特征及其对储层物性的影响——以渤海湾盆地渤南洼陷
沙三段为例 沈臻欢,于炳松,白辰阳,韩舒筠,杨志辉,费志斌(270)
- 中上扬子地区下寒武统页岩气储层特征及勘探方向 高 波,刘忠宝,舒志国,刘皓天,王濡岳,金治光,王冠平(284)
- 库车坳陷下侏罗统阿合组致密砂岩储层孔隙微观结构特征及其对致密气富集的控制作用 王 朋,孙灵辉,王 核,李自安(295)
- 柴达木盆地尖北斜坡基岩储层特征及天然气成藏条件 焦小芹,牛花朋,谢庆宾,张永庶,李俊巍,吴志雄,王 波,李 欣(305)
- 塔里木盆地巴楚-塔中地区寒武系盐下白云岩储层成岩作用及物性特征 程丽娟,李 忠,刘嘉庆,于靖波(316)
- 松辽盆地扶新隆起带扶杨油层地层水化学特征及其与油气运聚关系 梅啸寒,张 琴,王雅芸,吴欣松,刘景彦,赵家宏,王武学(328)
- 涪西南凹陷流沙港组二段优质烃源岩判别及其控油作用 高 岗,徐新德,刘诗局,甘 军,胡晨晖,赵建宇(339)
- 南祁连盆地木里坳陷石炭系-侏罗系天然气水合物气源岩有机地球化学特征 范东稳,卢振权,李广之,肖 睿(348)
- 东海西湖凹陷平湖组Ⅲ型干酪根暗色泥岩生排烃模拟 徐陈杰,叶加仁,刘金水,曹 强,盛溢勇,余汉文(359)
- 鄂尔多斯盆地东南部延长组7段页岩有机孔发育特征及其影响因素 蔡振家,雷裕红,罗晓容,王香增,程 明,张丽霞,姜呈馥,赵谦平,尹锦涛,张立宽(367)
- 川西坳陷马井地区中三叠统雷四³亚段储层孔隙类型与面孔率定量研究 郝哲敏,许国明,陈洪德,王琼仙,隆 轲,王文楷,王 强(380)
- 四川盆地西北部栖霞组天然气差异成藏过程 罗 冰,文 龙,张 亚,谢 忱,曹 剑,肖 笛,高国辉,谭秀成(393)
- 富有机质页岩微裂缝地震响应特征——以长宁示范区宁201井为例 高博乐,潘仁芳,金吉能,张 鉴,赵圣贤,鄢 杰(407)
- EBANO油田裂缝-孔隙型灰岩稠油油藏特征及油气富集规律 王希贤(416)
- 埃及西沙漠盆地中生界烃源岩特征及剩余资源分布 杨晓兰(423)

【方法技术】

- 碳酸盐岩缝洞型油藏提高采收率关键技术 康志江,李 阳,计秉玉,张 允(434)
- 润湿性影响下低渗透储层地层水矿化度预测——以鄂尔多斯盆地陇东地区三叠系延长组
长8¹段为例 冯 程,樊海涛,石玉江,陈雪昆,李高仁,毛志强(442)

【综合报道】

- 2019年全球常规石油和天然气发现 周庆凡(封二)
- 《石油与天然气地质》来稿须知 (封三)
- 《石油与天然气地质》第六届编辑委员会 (封四)

CONTENTS

【Petroleum Geology】

Formation mechanism of high-quality deep buried-hill reservoir of Archean metamorphic rocks and its significance in petroleum exploration in Bohai Sea area	Xu Changgui, Du Xiaofeng, Liu Xiaojian, Xu Wei, Hao Yiwei (235)
Differential hydrocarbon enrichment of the Paleogene and its main controlling factors in the Bohai Bay Basin	Jiang Youlu, Su Shengmin, Liu Hua, Wang Yongshi, Cui Xiaojun (248)
Quantitative evaluation of hydrocarbon accumulation pattern and the controlling factors in the Neogene of Huanghekou Sag, Bohai Bay Basin	Yang Haifeng, Xu Changgui, Niu Chengmin, Qian Geng, Li Zhengyu, Gao Yanfei, Huang Zhen (259)
The impact of thermodynamics and kinetics of feldspar dissolution-precipitation on reservoir quality: A case study from the Es ³ , Bonan Sag, Bohai Bay Basin	Shen Zhenhuan, Yu Bingsong, Bai Chenyang, Han Shujun, Yang Zhihui, Fei Zhibin (270)
Reservoir characteristics and exploration of the Lower Cambrian shale gas in the Middle-Upper Yangtze area	Gao Bo, Liu Zhongbao, Shu Zhiguo, Liu Haotian, Wang Ruyue, Jin Zhiguang, Wang Guanping (284)
Microscopic pore structure of the tight sand gas reservoirs of the Low Jurassic in Kuqa Depression and its controls on tight gas enrichment	Wang Peng, Sun Linghui, Wang He, Li Zi'an (295)
Characteristics of basement reservoirs and setting for natural gas accumulation in Jianbei slope, Qaidam Basin	Jiao Xiaoqin, Niu Huapeng, Xie Qingbin, Zhang Yongshu, Li Junwei, Wu Zhixiong, Wang Bo, Li Xin (305)
Diagenesis and physical properties of subsalt dolomite reservoirs of the Cambrian, Bachu-Tazhong areas, Tarim Basin	Cheng Lijuan, Li Zhong, Liu Jiaqing, Yu Jingbo (316)
Hydrochemical characteristics of formation water and its relationship with hydrocarbon migration and accumulation in Fuyang oil layer in Fuxin Uplift, Songliao Basin	Mei Xiaohan, Zhang Qin, Wang Yayun, Wu Xinsong, Liu Jingyan, Zhao Jiahong, Wang Wuxue (328)
Organic geochemistry identification of high-quality source rocks in the 2nd member of Liushagang Fm and its controls on petroleum occurrence in the Weixi'nan Sag, Beibuwan Basin	Gao Gang, Xu Xinde, Liu Shiju, Gan Jun, Hu Chenhui, Zhao Jianyu (339)
Organic geochemical characteristics of the Carboniferous-Jurassic potential source rocks for natural gas hydrates in the Muli Depression, Southern Qilian Basin	Fan Dongwen, Lu Zhenquan, Li Guangzhi, Xiao Rui (348)
Simulation of hydrocarbon generation and expulsion for the dark mudstone with Type-III kerogen in the Pinghu Formation of Xihu Sag in East China Sea Shelf Basin	Xu Chenjie, Ye Jiaren, Liu Jinshui, Cao Qiang, Sheng Yiyong, Yu Hanwen (359)
Characteristics and controlling factors of organic pores in the 7th member of Yanchang Formation shale in the Southeastern Ordos Basin	Cai Zhenjia, Lei Yuhong, Luo Xiaorong, Wang Xiangzeng, Cheng Ming, Zhang Lixia, Jiang Chengfu, Zhao Qianping, Yin Jintao, Zhang Likuan (367)
Pore classification and thin section porosity quantification of reservoir in the T ₂ l ⁽⁴³⁾ in Majing area, Western Sichuan Basin	Hao Zheming, Xu Guoming, Chen Hongde, Wang Qiongqian, Long Ke, Wang Wenkai, Wang Qiang (380)
Differential gas accumulation process of the Middle Permian Qixia Formation, Northwestern Sichuan Basin	Luo Bing, Wen Long, Zhang Ya, Xie Chen, Cao Jian, Xiao Di, Gao Guohui, Tan Xiucheng (393)
Characteristic analysis of seismic response of micro-fractures in organic-rich shale: A case study of Well Ning201 in the Changning demonstration zone	Gao Bole, Pan Renfang, Jin Jineng, Zhang Jian, Zhao Shengxian, Yan Jie (407)
Characteristics and hydrocarbon accumulation pattern of heavy oil reservoir of fracture-pore limestone in EBANO oilfield, Mexico	Wang Xixian (416)
Geochemical characteristics of the Mesozoic source rocks and the remaining resources in the Western Desert Basin, Egypt	Yang Xiaolan (423)

【Methods and Technologies】

Key technologies for EOR in fractured-vuggy carbonate reservoirs	Kang Zhijiang, Li Yang, Ji Bingyu, Zhang Yun (434)
Prediction for the formation water salinity in low-permeability reservoirs with complex wettability: A case study of the Triassic Chang 8 ¹ member, Longdong area, Ordos Basin	Feng Cheng, Fan Haitao, Shi Yujiang, Chen Xuekun, Li Gaoren, Mao Zhiqiang (442)