

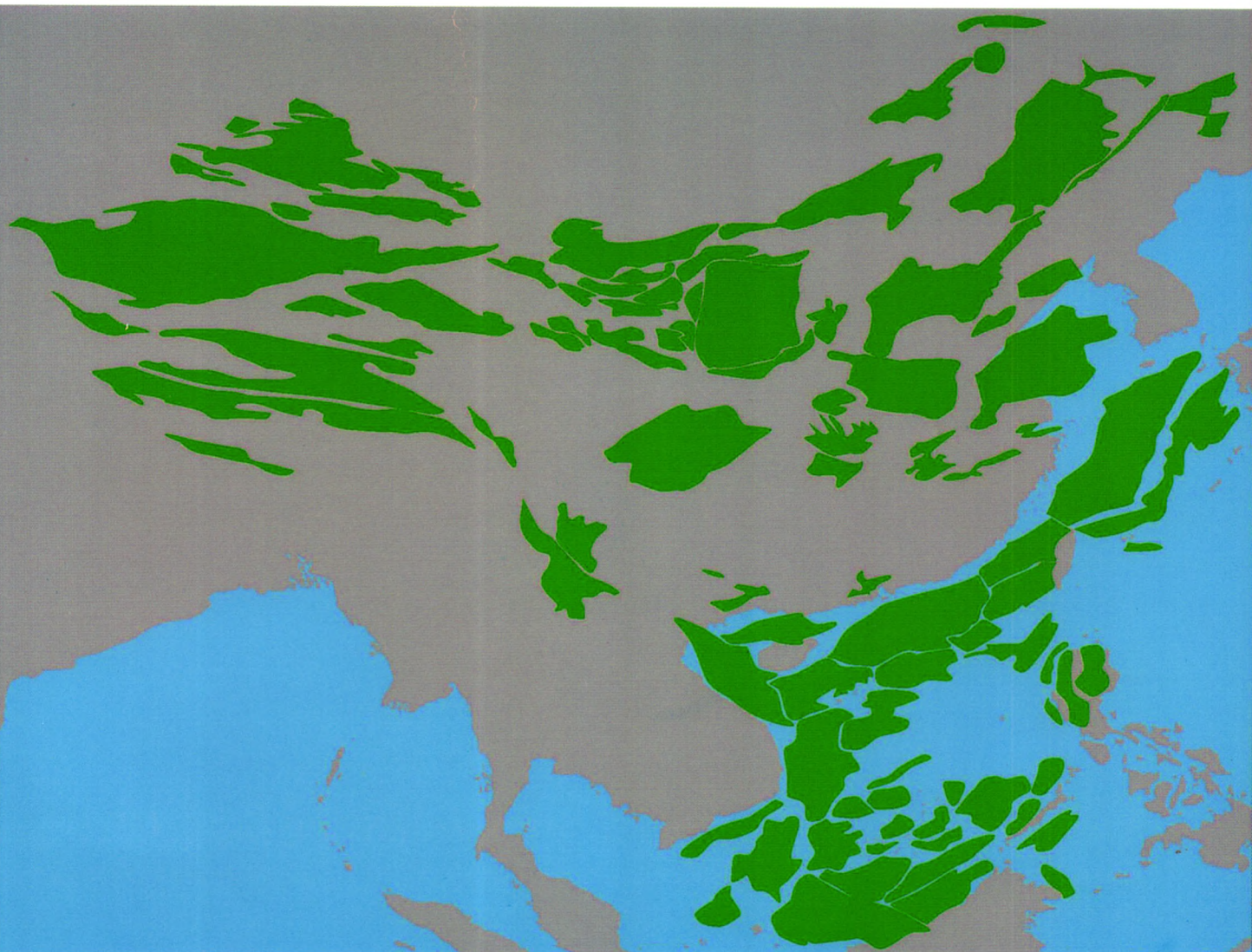
SHIYOU XUEBAO



ISSN 0253-2697
CN 11-2128/TE
CODEN SYHPD9

石油学报

ACTA PETROLEI SINICA



中国石油学会主办

第34卷 第2期 Vol.34 No.2

ISSN 0253-2697



9 770253 269134

2013 2

石油学报

第 34 卷 第 2 期 2013 年 3 月

目 次

地质勘探

- 塔里木盆地库车坳陷和西南坳陷油气地质特征类比及勘探启示 何登发 李德生 何金有 吴晓智(201)
- 塔北隆起雅克拉凝析油气田油气充注途径示踪 李洪波 王铁冠 李美俊(219)
- 塔北地区奥陶系碳酸盐岩中的储层沥青 张 甯 王招明 鞠凤萍 肖中尧 房启飞 张宝收 卢玉红 余小庆(225)
- 塔北隆起英买 2 井区碳酸盐岩储层特征及岩溶模式 姜 华 张艳秋 潘文庆 王瑞菊 客伟利(232)
- 塔中隆起北坡顺托果勒区块志留系储层油气充注历史——以顺 9 井流体包裹体分析为例 熊万林 陈红汉 云 露 李慧莉 丰 勇 吴 悠 苏 奥(239)
- 南海北部深水盆地烃源条件和油气源 李友川 傅 宁 张枝焕(247)
- 川东北地区典型海、陆相原油地球化学特征及来源 朱扬明 胡 炜 李 颖 郝 芳 邹华耀 郭彤楼(255)
- 河坝气藏飞仙关组三段储集岩特征及成岩作用 李宏涛(263)
- 吐哈盆地柯柯亚地区致密砂岩气储层“甜点”类型及成因 杨升宇 张金川 黄卫东 张 俞 唐 玄(272)
- 东营凹陷古近系红层储层成岩作用特征及形成机制 王 健 操应长 高永进 刘 杰(283)
- 东濮凹陷柳屯洼陷沙河街组三段上亚段盐间泥页岩储层特征 骆 杨 赵彦超 吕新华(293)
- 页岩储层微观孔隙结构特征 杨 峰 宁正福 胡昌蓬 王 波 彭 凯 刘慧卿(301)
- 火山岩岩性的支持向量机识别 朱怡翔 石广仁(312)
- 天然气汞含量作为煤型气与油型气判识指标的探讨 韩中喜 李 剑 严启团 王淑英 葛守国 王春怡(323)

油田开发

- 多分量地震全波形弹性反演预测砂岩油藏剩余油分布 赵邦六 石玉梅 姚逢昌 牛彦良 姜 岩 陈志德 王桂水 马晓宇(328)
- 页岩储层防水锁微乳液的制备与性能 邱正松 逢培成 黄维安 高宏松 刘均一(334)
- 利用 CT 技术研究重力稳定注气提高采收率机理 冷振鹏 吕伟峰 马德胜 刘庆杰 严守国 李 彤(340)
- 楔形裂缝压裂井产量预测模型 郭建春 路千里 曾凡辉(346)

石油工程

- 钻井液连续压力波信号的延迟差动检测及信号重构 沈 跃 崔诗利 张令坦 苏义脑 盛利民 李 林(353)
- 油井水泥浆与多功能钻井液泥饼界面离子扩散阻碍机理 顾 军 李新宏 先 花 曾鹏琿 杨易骏 何吉标 温桂平 沈彬亮(359)
- 钻井全过程井筒-地层瞬态传热模型 杨 谋 孟英峰 李 皋 邓建民 赵向阳(366)
- 复合材料缠绕修复管道的应力分析 帅 健 刘 惟 王俊强 张宇坤(372)
- 柔性管段对立管严重段塞流特性的影响 王 平 宫 敬 李清平 邓道明 马 亮 彭 明(380)
- 基于流场计算的天然气集输管线 CO₂ 腐蚀预测模型 崔 铖 兰惠清 康正凌 何仁洋 黄 辉 林 楠(386)
- 油气输送站场内外阴极保护系统间干扰数值模拟 董 亮 杜艳霞 路民旭 姜子涛 贺哲丰 陈鹏羽(393)
- 大型天然气管网系统可靠性 黄维和(401)

综 述

- 生物成因非常规天然气研究进展及展望 朱炎铭 周 友 司庆红 黄辅强 张 旭 赵少磊(405)

学术论坛

- 讨论《启动压力梯度真的存在吗?》一文 窦宏恩(412)

综合信息

- 中国石油学会《石油学报》2012 年优秀论文获奖名单 (358)

本期责任编辑: 熊 英

CONTENTS

PETROLEUM EXPLORATION

Comparison in petroleum geology between Kuqa depression and Southwest depression in Tarim Basin and its exploration significance HE Dengfa, LI Desheng, HE Jinyou, WU Xiaozhi (201)

Tracing study on oil-gas filling pathways of Yakela gas condensate field in Tabei uplift LI Hongbo, WANG Tieguan, LI Meijun (219)

Diagenetic bitumen in Ordovician carbonate reservoirs of the northern Tarim Basin ZHANG Nai, WANG Zhaoming, JU Fengping, XIAO Zhongyao, FANG Qifei, ZHANG Baoshou, LU Yuhong, YU Xiaoqing (225)

Carbonate reservoir features and karst mode in the Yingmai-2 well field of Tabei uplift JIANG Hua, ZHANG Yanqiu, PAN Wenqing, WANG Ruiju, KE Weili (232)

Hydrocarbon charging history for Silurian reservoirs of Shuntuoguole block in the north slope of Tazhong uplift, Tarim Basin: constraints from fluid inclusion of Well Shun 9 XIONG Wanlin, CHEN Honghan, YUN Lu, LI Huili, FENG Yong, WU You, SU Ao (239)

Hydrocarbon source conditions and origins in the deepwater area in the northern South China Sea LI Youchuan, FU Ning, ZHANG Zhihuan (247)

Geochemical characteristics and origins of typical marine and terrestrial oils in the northeastern Sichuan Basin ZHU Yangming, HU Wei, LI Ying, HAO Fang, ZOU Huayao, GUO Tonglou (255)

Diagenesis and characteristics of reservoirs in the Member 3 of the Lower Triassic Feixianguan Formation in Heba gas field LI Hongtao (263)

“Sweet spot” types of reservoirs and genesis of tight sandstone gas in Kekeya area, Turpan-Hami Basin YANG Shengyu, ZHANG Jinchuan, HUANG Weidong, ZHANG Yu, TANG Xuan (272)

Diagenetic characteristics and formation mechanism of Paleogene red-bed reservoirs in Dongying sag WANG Jian, CAO Yingchang, GAO Yongjin, LIU Jie (283)

Characterization of the upper Es₃ inter-salt shale reservoir in Liutun sag, Dongpu depression LUO Yang, ZHAO Yanchao, LÜ Xinhua (293)

Characterization of microscopic pore structures in shale reservoirs YANG Feng, NING Zhengfu, HU Changpeng, WANG Bo, PENG Kai, LIU Huiqing (301)

Identification of lithologic characteristics of volcanic rocks by support vector machine ZHU Yixiang, SHI Guangren (312)

Discussion on the applicability of mercury content in natural gases as an identification index of coal-type gas and oil-type gas HAN Zhongxi, LI Jian, YAN Qituan, WANG Shuying, GE Shouguo, WANG Chunyi (323)

OIL FIELD DEVELOPMENT

Prediction of the remaining oil distribution using multi-component seismic full waveform elastic inversion ZHAO Bangliu, SHI Yunfei, YAO Fengchang, NIU Yanliang, JIANG Yan, CHEN Zhide, WANG Guishui, MA Xiaoyu (328)

Preparation and performance of anti-waterblock microemulsion for shale reservoirs QIU Zhengsong, PANG Peicheng, HUANG Wei'an, GAO Hongsong, LIU Junyi (334)

Research of enhancing oil recovery mechanism of GAGD using CT scanning method LENG Zhenpeng, LÜ Weifeng, MA Desheng, LIU Qingjie, YAN Shouguo, LI Tong (340)

A productivity prediction model for a fractured well with wedge-shaped fractures GUO Jianchun, LU Qianli, ZENG Fanhui (346)

PETROLEUM ENGINEERING

Delay differential detection and signal reconstruction of continuous pressure-wave signals of drilling fluid SHEN Yue, CUI Shili, ZHANG Lingtan, SU Yinao, SHENG Limin, LI Lin (353)

Hindering mechanism of ion diffusion at the interface between oil-well cement slurry and mud cake from multifunctional drilling fluid GU Jun, LI Xinhong, XIAN Hua, ZENG Penghui, YANG Yijun, HE Jibiao, WEN Guiping, SHEN Binliang (359)

A transient heat transfer model of wellbore and formation during the whole drilling process YANG Mou, MENG Yingfeng, LI Gao, DENG Jianmin, ZHAO Xiangyang (366)

Stress analyses of repaired pipelines by enwinding composite materials SHUAI Jian, LIU Wei, WANG Junqiang, ZHANG Yukun (372)

Influence of the flexible pipe on characteristics of severe slugging in the riser system WANG Ping, GONG Jing, LI Qingping, DENG Daoming, MA Liang, PENG Ming (380)

Improvement of a CO₂ corrosion prediction model for natural gas pipelines based on flow field calculation CUI Yue, LAN Huiqing, KANG Zhengling, HE Renyang, HUANG Hui, LIN Nan (386)

Numerical simulation of interference between cathodic protection systems inside and outside oil/gas stations DONG Liang, DU Yanxia, LU Minxu, JIANG Zitao, HE Zhefeng, CHEN Pengyu (393)

Reliability of large-scale natural gas pipeline network HUANG Weihe (401)

REVIEW

Research advances in microbial unconventional gas and its prospect ZHU Yanming, ZHOU You, SI Qinghong, HUANG Fuqiang, ZHANG Xu, ZHAO Shaolei (405)

ACADEMIC FORUM

Discussion on “Is a starting pressure gradient necessary for flow in porous media?” DOU Hong'en (412)