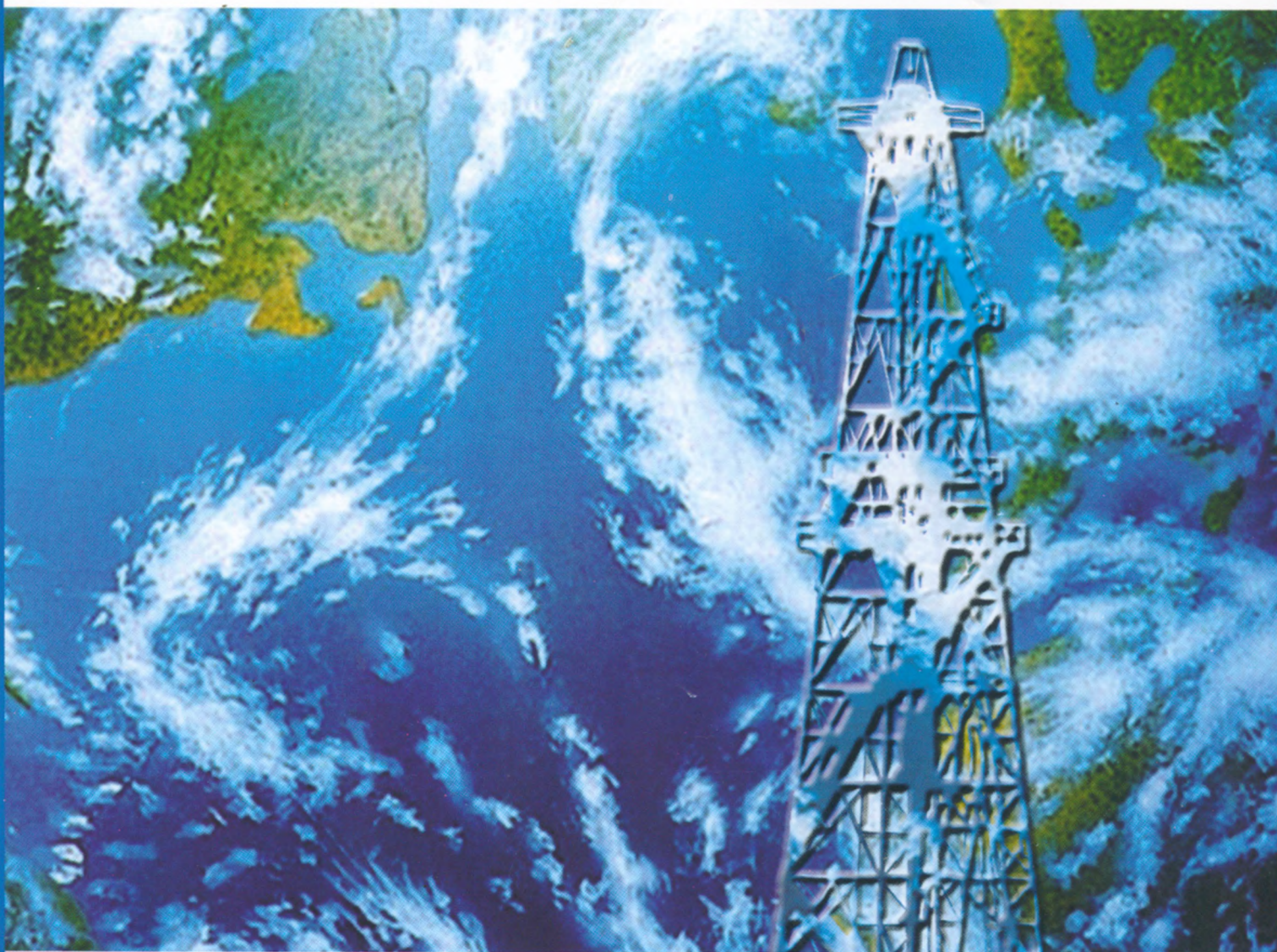




ISSN 0253-2697
CN 11-2128/TE
CODEN SYHPD9

石油学报

ACTA PETROLEI SINICA



中国石油学会主办

第33卷 第5期 Vol.33 No.5

ISSN 0253-2697



万方数据

2012 5

石 油 学 报

第 33 卷 第 5 期 2012 年 9 月

目 次

地质勘探

源热共控论	张功成 (723)
库车坳陷迪那 2 气田异常高压成因机制及其与油气成藏的关系	张凤奇 王震亮 赵雪娇 宋玉斌 (739)
塔里木盆地哈 6 井石炭系、志留系砂岩自生伊利石 K-Ar、Ar-Ar 测年与成藏年代	张有瑜 罗修泉 (748)
准噶尔盆地北三台地区清水河组低渗透储层成因机制	
..... 操应长 远光辉 王艳忠 慈克来 匡立春 王绪龙 贾希玉 宋 永 (758)	
南堡凹陷深层火山岩天然气成因与成藏模式	
..... 王政军 马 乾 赵忠新 夏景生 张永超 刘永昌 王建伟 (772)	
东营凹陷盐家地区砂砾岩体沉积期次精细划分与对比	宋明水 李存磊 张金亮 (781)
渤南地区 BZ28-2S/N 油田油水分布主控因素	
..... 孙永河 杨文璐 赵 荣 胡光义 范廷恩 袁红旗 刘 哲 (790)	
南海北部白云凹陷 21 Ma 深水重力流沉积体系	李 磊 王英民 徐 强 李 冬 (798)
珠三坳陷珠三南断裂形成演化及其对沉积中心迁移的控制	
..... 雷宝华 郑求根 李俊良 李 琦 刘 豪 王海荣 (807)	
火山碎屑岩储层异常高孔隙成因——以南贝尔凹陷东次北北洼槽为例	
..... 张丽媛 纪友亮 刘 立 张 革 赵 磊 穆涵宜 (814)	
西藏比如盆地白垩统烃源岩特征	王先美 郑和荣 王 毅 祁开令 伍新和 (822)
松辽盆地火山岩岩性识别中测井数据的选择及判别方法	张 莹 潘保芝 (830)
随钻单极子声反射测井数值模拟	陈雪莲 魏周拓 (835)

油田开发

裂缝性地层射孔井破裂压力计算模型	赵金洲 任 岚 胡永全 王 磊 (841)
基于三维马尔可夫链模型的岩性随机模拟	李 军 杨晓娟 张晓龙 熊利平 (846)
储层建模过程中的网格化及其地质意义	崔 勇 夏柏如 陈 果 罗志华 (854)
高温高压气藏地层水盐析引起的储层伤害	汤 勇 杜志敏 蒋红梅 孙 雷 (859)
相态变化对气藏流体结垢的影响	李 丽 刘建仪 张 威 张广东 李 超 叶长青 (864)

石油工程

双台肩钻杆接头三维力学分析	狄勤丰 陈 锋 王文昌 王明杰 赵域栋 袁鹏斌 周永其 (871)
基于气体钻井工艺参数的钻具冲蚀模型	黄小兵 刘清友 (878)
水合物钻探井筒多相流动及井底压力变化规律	高永海 孙宝江 赵欣欣 王志远 殷志明 王金波 (881)
基于最优控制理论的智能井动态优化技术	王子健 申瑞臣 王开龙 蓝海峰 乔 磊 董胜祥 (887)
大庆原油管输结蜡规律与清管周期的确定	刘 扬 王志华 成庆林 李玉春 (892)
基于二代小波变换和多级假设检验的输油管道缓泄漏检测方法	赵利强 王建林 于 涛 苟武侯 (898)
盐岩全过程蠕变试验及模型参数辨识	张华宾 王芝银 赵艳杰 郑雅丽 (904)

综 述

国内火驱技术发展历程与应用前景	王元基 何江川 廖广志 王正茂 (909)
-----------------------	-----------------------

本期责任编辑: 王 秀

CONTENTS

PETROLEUM EXPLORATION

- Co-control of source and heat: the generation and distribution of hydrocarbons controlled by source rocks and heat ZHANG Gongcheng (723)
- Genetic mechanism of overpressure and its relationship with hydrocarbon accumulation in Dina-2 gasfield, Kuqa depression ZHANG Fengqi, WANG Zhenliang, ZHAO Xuejiao, SONG Yubin (739)
- K-Ar and Ar-Ar dating of authigenic illite and hydrocarbon accumulation history of Carboniferous and Silurian sandstone reservoirs in Well Ha 6, Tarim Basin ZHANG Youyu, LUO Xiuquan (748)
- Genetic mechanisms of low permeability reservoirs of Qingshuihe Formation in Beisantai area, Junggar Basin CAO Yingchang, YUAN Guanghui, WANG Yanzhong, XI Kelai, KUANG Lichun, WANG Xulong, JIA Xiyu, SONG Yong (758)
- Natural gas origin and gas accumulation model for deep volcanic rocks in Nanpu sag, Bohai Bay Basin WANG Zhengjun, MA Qian, ZHAO Zhongxin, XIA Jingsheng, ZHANG Yongchao, LIU Yongchang, WANG Jianwei (772)
- Fine division and correlation of conglomerate sedimentary cycles in Yanjia area of Dongying depression SONG Mingshui, LI Cunlei, ZHANG Jinliang (781)
- Main controlling factors of the oil-water distribution in BZ28-2S/N oilfield, Bonan area SUN Yonghe, YANG Wenlu, ZHAO Rong, HU Guangyi, FAN Ting'en, YUAN Hongqi, LIU Zhe (790)
- 21 Ma deepwater gravity flow depositional system in Baiyun sag, northern South China Sea LI Lei, WANG Yingmin, XU Qiang, LI Dong (798)
- Formation and evolution of Zhu-3 south fault and its control on the depocenter shift in Zhu-3 depression, Pearl River Mouth Basin LEI Baohua, ZHENG Qiugen, LI Junliang, LI Qi, LIU Hao, WANG Hairong (807)
- Origin of anomalously high porosity in pyroclastic reservoirs: a case study on the northern region of the east sub-sag in Nanbeier sag ZHANG Liyuan, JI Youliang, LIU Li, ZHANG Ge, ZHAO Lei, MU Hanyi (814)
- Characteristics of the Lower Cretaceous source rock in Biru Basin, Tibet WANG Xianmei, ZHENG Herong, WANG Yi, QI Kailiang, WU Xinhe (822)
- Selection and identification of logging data for lithology recognition of volcanic rocks in Songliao Basin ZHANG Ying, PAN Baozhi (830)
- Numerical simulation of monopole acoustic reflection imaging logging in the logging-while-drilling condition CHEN Xuelian, WEI Zhoutuo (835)

OIL FIELD DEVELOPMENT

- A calculation model of breakdown pressure for perforated wells in fractured formations ZHAO Jinzhou, REN Lan, HU Yongquan, WANG Lei (841)
- Lithologic stochastic simulation based on the three-dimensional Markov chain model LI Jun, YANG Xiaojuan, ZHANG Xiaolong, XIONG Liping (846)
- Gridding and its geological meaning in reservoir modeling CUI Yong, XIA Bairu, CHEN Guo, LUO Zhihua (854)
- Reservoir damages caused by formation-water salt precipitation in high-pressure and high-temperature gas reservoirs TANG Yong, DU Zhimin, JIANG Hongmei, SUN Lei (859)
- An influence of phase behavior changes on scale formation in fluids of gas reservoirs LI Li, LIU Jianyi, ZHANG Wei, ZHANG Guangdong, LI Chao, YE Changqing (864)

PETROLEUM ENGINEERING

- Three-dimensional mechanical analysis of the double-shouldered tool joint DI Qinfeng, CHEN Feng, WANG Wenchang, WANG Mingjie, ZHAO Yudong, YUAN Pengbin, ZHOU Yongqi (871)
- An erosion model of drill string based on process parameters of gas drilling HUANG Xiaobing, LIU Qingyou (878)
- Multiphase flow in wellbores and variation laws of the bottom hole pressure in gas hydrate drilling GAO Yonghai, SUN Baojiang, ZHAO Xinxin, WANG Zhiyuan, YIN Zhiming, WANG Jinbo (881)
- Dynamic optimization techniques of smart wells using optimal control theory WANG Zijian, SHEN Ruichen, WANG Kailong, LAN Haifeng, QIAO Lei, DONG Shengxiang (887)
- The study of pipeline wax deposition law and pigging period for Daqing waxy crude oil LIU Yang, WANG Zhihua, CHENG Qinglin, LI Yuchun (892)
- A detection method for slow leakage of oil pipelines based on second generation wavelet transform and multistage hypothesis test ZHAO Liqiang, WANG Jianlin, YU Tao, GOU Wuhou (898)
- The whole process experiment of salt rocks creep and identification of model parameters ZHANG Huabin, WANG Zhiyin, ZHAO Yanjie, Zheng Yali (904)

REVIEW

- Overview on the development history of combustion drive and its application prospect in China WANG Yuanji, HE Jiangchuan, LIAO Guangzhi, WANG Zhengmao (909)