

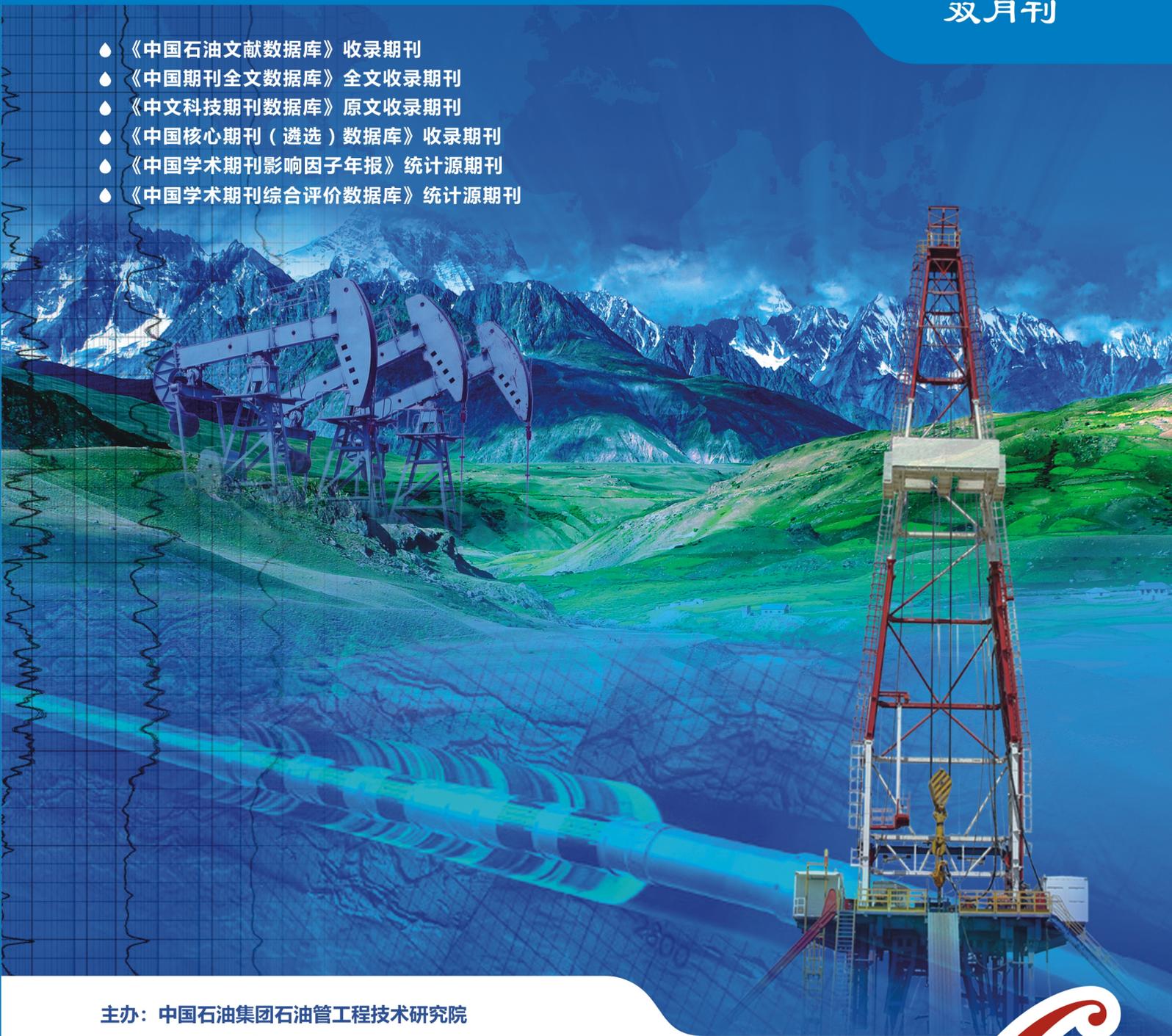
石油管材与仪器

SHIYOU GUANCAI YU YIQI

PETROLEUM TUBULAR GOODS & INSTRUMENTS

双月刊

- ◆ 《中国石油文献数据库》收录期刊
- ◆ 《中国期刊全文数据库》全文收录期刊
- ◆ 《中文科技期刊数据库》原文收录期刊
- ◆ 《中国核心期刊（遴选）数据库》收录期刊
- ◆ 《中国学术期刊影响因子年报》统计源期刊
- ◆ 《中国学术期刊综合评价数据库》统计源期刊



主办：中国石油集团石油管工程技术研究院
协办：石油管材及装备材料服役行为与结构安全国家重点实验室
中国石油天然气集团有限公司石油管工程重点实验室
陕西省石油管材及装备材料服役行为与结构安全重点实验室
国家石油管材质量监督检验中心

万方数据

2019
Vol. 5



目次

■ 综述

- 1 摩擦焊技术在石油管材连接中的应用展望 高建忠,徐斌,许晓锋,张永红,秦长毅
- 7 油气管道工程用弯管和管件的生产现状及研究热点 邓波,刘迎来,王高峰,蔡彬,王文嘉,王洁

■ 试验研究

- 11 油气管道环焊缝缺陷检测评价方法研究 杨锋平,张硕,王明波,冯淑路,王彬彬,刘琰
- 16 两种管材夏比冲击试验影响因素分析 简卫平,李娜,张华佳,梁明华,任继承
- 19 复合载荷作用下特殊螺纹接头密封性能的有限元分析 张乐,李东风,王蕊,张益铭,余志
- 25 油气田集输管道的冲蚀模拟研究及影响因素分析 徐上
- 28 西气东输二线取压点改造及应力分析 张海宁,赵云,张强德,赵吉龙
- 33 温度对110级油/套管材料性能和管柱设计的影响 刘文红,梁明华,潘志勇,林凯

■ TEC 2019国际会议专栏

- 40 大口径厚壁钢管焊缝自动超声检测对比试块合理性研究 黄磊,张鸿博,张宝利,曹孟瑜,王长安
- 45 含缺陷X80钢管低温环境爆破试验研究 伍奕,王鹏,李鹤

■ 仪器设备与应用

- 49 磁芯对电流环型无线短天线的研究 宋殿光,岳步江,狄帮让,张龙,贺鸣
- 53 UNITE节点采集设备在海外某项目的应用 叶朋朋,翟立新,刘超,周天军,苏自权,杨曦
- 57 喇叭口在射孔层上笼统注聚井测试技术应用 蔡翔飞
- 61 428XL仪器Laux-Encoder有线放炮系统在雨林地区应用 董秀勇
- 66 产出剖面测井仪器清洗机的改进 高明

■ 失效分析与预防

- 70 石化制氢管路异径三通泄漏失效分析 来维亚,杜小英,索涛,范磊
- 75 某在役天然气湿气输送管道腐蚀穿孔失效原因分析 董志强,夏勇,张建勋

■ 标准化

- 79 耐蚀合金无缝油管套标准新旧版的主要变化 熊庆人,秦长毅,徐婷,屈忆欣,吕华

■ 经验交流

- 84 测井井下仪器温度性能指标的筛选方案与评价 张志,唐联级,杨爱华
- 88 增强型微电阻率成像测井仪极板通信干扰分析与处理 陈小东,刘炜辰
- 92 定向探管故障分析与解决方法实现 李明,高博跃,张强,姜天杰
- 95 增强型测井成像系统绞车面板兼容性的实现 李健飞,郝桂青,李明
- 98 激光测距仪在石油管具长度测量中的应用 孙增生,鄂振乾,刘金良,陈凯,黄自评,陈明禹

- 15 《石油管材与仪器》广告征询函
- 39 石油管工程技术研究院又一项国际标准提案获ISO立项
- 69 《石油管材与仪器》征稿要求
- 91 油气开发与炼化腐蚀防护技术研讨会在新疆顺利召开
- 97 本刊加入“万方数据”——数字化期刊群的声明
- 100 本刊加入中国学术期刊(光盘版)的声明

48 广告索引

主 编: 冯耀荣
副 主 编: 姜 婷 马小芳
本期责编: 姜 婷
英文编辑: 姜 婷
技术编辑: 王 骏
广告主管: 韩德林

编辑出版: 《石油管材与仪器》编辑部
本刊地址: 西安市锦业二路89号
邮政编码: 710077
编 辑: 029-81887825 81887589
投 稿: 029-81887585
广告发行: 029-81887583
网 址: www.gcyq.org
电子邮箱: sygcyq@126.com
发 行: 《石油管材与仪器》编辑部
印 刷: 陕西省委机关第二印刷厂
国际标准连续出版物号: ISSN 2096-0077
国内统一连续出版物号: CN 61-1500/TE
邮发代号: 52-286
广告经营许可证号: 6101004003048
单册定价: 20.00元
全年定价: 120.00元

BIMONTHLY. Started in 2015

Dec. 25th, 2019
Vol.5
No.6 (Serial No.30)

PETROLEUM TUBULAR GOODS & INSTRUMENTS

CONTENTS

OVERVIEW

- 1 Applications of Friction Welding in Jointing of Petroleum Tubular Goods
..... GAO Jianzhong, XU Bin, XU Xiaofeng, ZHANG Yonghong, QIN Changyi
- 7 Production Status and Research Highlights of Bends and Fittings Used in Oil and Gas Pipeline Engineering
..... DENG Bo, LIU Yinglai, WANG Gaofeng, CAI Bin, WANG Wenjia, WANG Jie
- 11 Study on Detection and Evaluation Method of Girth Weld Defects in Oil and Gas Pipeline ...
..... YANG Fengping, ZHANG Shuo, WANG Mingbo, FENG Shulu, WANG Binbin, LIU Yan

EXPERIMENTS AND INVESTIGATION

- 16 Influencing Factors of Two Kinds of Tubular Goods' Charpy Impact Test
..... LIN Weiping, LI Na, ZHANG Huajia, LIANG Minghua, REN Jicheng
- 19 Finite Element Analysis of Sealing Performance of Special Threaded Joints under Composite Load
..... ZHANG Le, LI Dongfeng, WANG Rui, ZHANG Yiming, YU Zhi
- 25 Simulation Research and Influencing Factors Analysis on Petroleum Pipeline Erosion
..... XU Shang
- 28 Transformation on Pressure Tapping Point of West-East Pipeline II and Stress Analysis
..... ZHANG Haining, ZHAO Yun, ZHANG Qiangde, ZHAO Jilong
- 33 Temperature Effect on Material Properties and String Design of 110 Grade Tubing and Casing
..... LIU Wenhong, LIANG Minghua, PAN Zhiyong, LIN Kai

SPECIAL TOPIC OF TEC 2019

- 40 Rationality Research of Automatic Ultrasonic Testing Reference Block for Weld Seam of Thick-walled and Large-diameter Steel Pipe
..... HUANG Lei, ZHANG Hongbo, ZHANG Baoli, CAO Mengyu, WANG Chang'an
- 45 Burst Test of X80 Pipe with Defects in Low Temperature
..... WU Yi, WANG Peng, LI He

INSTRUMENT AND EQUIPMENT

- 49 Study on the Effect of Magnetic Core on Wireless Short Hop Antenna of Current Loop
..... SONG Dianguang, YUE Bujiang, DI Bangrang, ZHANG Long, HE Ming
- 53 Application of UNITE Node Acquisition Device in an Overseas Project
..... YE Pengpeng, ZHAI Lixin, LIU Chao, ZHOU Tianjun, SU Ziquan, YANG Xi
- 57 Application of Bell-Mouth in General Injection Well Test Technique on Perforating Layer ...
..... CAI Xiangfei
- 61 Application of 428XL Instrument Laux-Encoder Cable Shooting System in Rainforest Area ...
..... DONG Xiuyong
- 66 Improvement of Cleaning Machine for Output Profile Logging Instrument
..... GAO Ming

FAILURE ANALYSIS AND PREVENTION

- 70 Failure Analysis of Reducing Tee on Hydrogen Production Line in Petrochemical Plant
..... LAI Weiya, DU Xiaoying, SUO Tao, FAN Lei
- 75 Corrosion Perforation Failure Analysis of a Natural Gas Pipeline in Service
..... DONG Zhiqiang, XIA Yong, ZHANG Jianxun

STANDARDIZATION

- 79 Main Changes in New and Old Versions of Technical Delivery Conditions of Corrosion-resistant Alloy Seamless Tubes
..... XIONG Qingren, QIN Changyi, XU Ting, QU Yixin, LYU Hua

EXPERIENCE EXCHANGE

- 84 Evaluation and the Scheme of Screening Temperature Performance Index of Well Logging Instruments
..... ZHANG Zhi, TANG Lianji, YANG Aihua
- 88 Analysis and Troubleshooting for Pad Communication Interference of Extended Range Micro-imager Tool
..... CHEN Xiaodong, LIU Weichen
- 92 Analysis and Solutions on the Fault of Directional Probe
..... LI Ming, GAO Boyue, ZHANG Qiang, JIANG Tianjie
- 95 Implementation of Compatibility for Enhanced Logging Imaging System Winch Panel
..... LI Jianfei, HAO Guiqing, LI Ming
- 98 Application of Laser Rangefinder in the Measurement of Petroleum Tubes
..... SUN Zengsheng, E Zhenqian, LIU Jinliang, CHEN Kai, HUANG Ziping, CHEN Mingyu

Editor in Chief: Feng Yaorong
Vice chief-editor: Jiang Ting Ma Xiaofang
Editor in Charge: Jiang Ting
English Editor: Jiang Ting
Technical Editor: Wang Jun
Advertisement Department: Han Delin

Editor and Publisher:
Editorial Department of
PETROLEUM TUBULAR GOODS & INSTRUMENTS
Address: No.89 Jinye 2nd Road, Xi'an, China
Post Code: 710077
Editor Tel: (029) 81887825 81887589
Manuscript Tel: (029) 81887585
Advertisement Tel: (029) 81887583
Website: <http://www.gcyq.org>
E-mail: sycyqq@126.com
Distributor: Editorial Department of
PETROLEUM TUBULAR GOODS & INSTRUMENTS
Printer: The Second Printing Factory of
Shaanxi Shengwei Jiguan
Periodical Registration: ISSN 2096-0077
CN 61-1500/TE
Postal Code: 52-286
Advertisement License: 6101004003048
Subscription Rates: RMB 20.00 per copy
RMB 120.00 per year