

TABLE OF CONTENTS

目 次

油气管道站场综合安防平台的设计与实现 蔡晓龙, 董晓琪, 孙振超, 孙佳欣.....	1
Design and Implementation of Integrated Security Platform for Oil and Gas Pipeline Station Xiaolong Cai, Xiaoqi Dong, Zhenchao Sun, Jiaxin Sun.....	2
基于 BIM 技术的油气管道隧道智慧建设运营的应用研究 冯亮.....	6
Application Research on Intelligent Construction and Operation of Oil & Gas Pipeline Tunnel Based on BIM Technology Liang Feng.....	7
基于特高含水期相渗规律的含水率预测新模型 曲江, 夏连晶.....	16
A New Model of Water Cut Prediction Based on Relative Permeability Law in Extra-High Water Cut Stage Jiang Qu, Lianjing Xia.....	17
智能配电系统与智慧管道建设 王辉, 刁凤东, 杜成龙.....	25
Intelligent Distribution System and Intelligent Pipeline Construction Hui Wang, Fengdong Diao, Chenglong Du.....	26
谈“第一次把事情做对”的项目管理 朱绍全, 吴香艳.....	31
Talking about “Right First Time” Project Management Shaoquan Zhu, Xiangyan Wu.....	32
抽油机井口产液连续计量技术 冯业庆, 张胜利, 梁新坤, 陶野, 付杰, 胡灯明, 王凤仪, 孟艳敏.....	36
Discussion on the Continuous Metering Method at the Head of Pumping Well Yeqing Feng, Shengli Zhang, Xinkun Liang, Ye Tao, Jie Fu, Dengming Hu, Fengyi Wang, Yanmin Meng.....	37
沙特阿美项目材料采购的管理与控制 朱绍全.....	42
Management and Control of Material Procurement for Saudi Aramco Project Shaoquan Zhu.....	43
石油天然气长输管道套管内充填技术研究 高晓飞.....	49
Study on Casing Filling Technology of Long-Distance Oil and Gas Pipeline Xiaofei Gao.....	50

油气管道 SDH 光传输网关键设计	
张皓若, 刘晓峰, 郑海鹏, 赵雅琴.....	55
Key Design of SDH Optical Transmission Network for Oil and Gas Pipeline	
Haoruo Zhang, Xiaofeng Liu, Haipeng Zheng, Yaqin Zhao.....	56
热成像监控技术在海外油气管道工程中的应用	
张皓若, 王怡玮, 毛炳强.....	62
The Application of Thermal Imaging Cameras in Overseas Oil and Gas Pipeline Projects	
Haoruo Zhang, Yiwei Wang, Bingqiang Mao.....	63
哈德逊油田 HD4 井区东河砂岩储层特征	
邹江海, 郭波, 巫旭狄, 吴杰.....	68
Reservoir Characteristics of Donghe Sandstone in Well HD4 of Hudson Oilfield	
Jianghai Zou, Bo Guo, Xudi Wu, Jie Wu.....	69
地层厚度校正地震属性值方法研究及应用	
罗兵.....	79
Research and Application of Method for Correcting Seismic Attribute Values of Formation Thickness	
Bing Luo.....	80
国际工程项目分包结算关键影响因素研究	
王海蛟, 任杉杉, 杨亚峰, 刘沛然.....	87
Study on Key Factors of International Engineering Projects Sub-Contracting Settlement Management	
Haijiao Wang, Shanshan Ren, Yafeng Yang, Peiran Liu.....	88
论阿美安全管理体系在油气田施工的优越性	
武力强, 张文江, 杨辉, 宋飞, 杨洋.....	92
Discussion on the Superiority of Safety Management System of Saudi Aramco in Oil and Gas Field Construction	
Liqiang Wu, Wenjiang Zhang, Hui Yang, Fei Song, Yang Yang.....	93
阿联酋阿布扎比布哈萨油田三期改造 EPC 项目国际化员工管理探索	
姚猛, 王龙, 刘航, 门博涛.....	98
Exploration of International Staff Management as Phase III Upgrading EPC Project of ABU Dhabi Oilfield	
Meng Yao, Long Wang, Hang Liu, Botao Men.....	99
时间影响分析法在工期索赔管理中的应用	
侯进才.....	107
Application of Time Impact Analysis in Time Extension Claim Management	
Jincai Hou.....	108
海工项目新冠疫情防控管理	
廖士贤, 杨光升, 黄兴华, 杨珂欢.....	118
Prevention and Control of COVID-19 on Offshore Projects	
Shixian Liao, Guangsheng Yang, Xinghua Huang, Kehuan Yang.....	119

沙特阿美项目材料验收

杜佳佳, 马岳旺, 刘东, 王宏田.....126

The Material Receiving Inspection of Saudi Aramco Project

Jiajia Du, Yuewang Ma, Dong Liu, Hongtian Wang.....127

沙特阿美项目 HSE 管理风险与应对

杨建华, 李政龙.....131

The HSE Risks and Control of Saudi Aramco Project

Jianhua Yang, Zhenglong Li.....132

高海拔地区长输管道工程环保管理探讨

白大勇.....139

Discussion on Environmental Protecting Management of Long-Distance Pipeline Engineering in High Altitude Areas

Dayong Bai.....140

沙特阿美施工现场风险管理与研究

张飞, 王祥东, 苏明生, 宋飞.....146

Construction Site Risk Management and Research of Saudi Aramco

Fei Zhang, Xiangdong Wang, Mingsheng Su, Fei Song.....147

杏 71 区块扶余油层超前注水技术界限

夏连晶, 陶博.....151

Technical Limit of Advanced Water Injection in Fuyu Reservoir of X71 Block

Lianjing Xia, Bo Tao.....152

高海拔地区长输管道工程 HSE 管理探讨

高晓飞, 刘军.....160

Discussion on HSE Management of Long-Distance Pipeline Engineering in High Altitude Areas

Xiaofei Gao, Jun Liu.....161

小口径低钢级管道穿越逆冲走滑断层研究

许晨, 王怡玮, 李明.....167

Study on Small Diameter and Low Steel Grade Pipeline Crossing Strike-Slip and Thrust Fault

Chen Xu, Yiwei Wang, Ming Li.....168

浅谈广播系统中的扬声器选择

许天晨, 孙振超, 耿万鹏.....176

On the Selection of Loudspeakers in the Broadcasting System

Tianchen Xu, Zhenchao Sun, Wanpeng Geng.....177

国际管道工程物资管理和成本控制的探究

宋飞, 佟建平, 陈李, 武力强, 黄运祥.....181

Research on Materials Management and Costs Control of International Pipeline Engineering

Fei Song, Jianping Tong, Li Chen, Liqiang Wu, Yunxiang Huang.....182

油气管道穿越边坡风险评价技术

许晨, 李明, 林其明.....187

Evaluation Techniques of Pipeline Crossing Slopes

Chen Xu, Ming Li, Qiming Lin.....188

TILOS 线性工程管理软件在长输油气管道中的优势分析

赵岳, 陈涛, 徐宇擎, 宋雁铭, 闫清.....195

Advantages Analysis of TILOS Linear Engineering Management Software in Long Distance Oil and Gas Pipeline

Yue Zhao, Tao Chen, Yuqing Xu, Yanming Song, Qing Yan.....196

基于危化品堆场智慧管理平台探讨 HSE 管理平台化模式

许天晨, 冯瑞清, 王晓璐, 刘中庆.....202

Discussion on HSE Management Platform Mode Based on Intelligent Management Platform of Hazardous Chemicals

Tianchen Xu, Ruiqing Feng, Xiaolu Wang, Zhongqing Liu.....203

大型石油储备库消防系统设计

张恒涛.....209

Design of Fire Protection System for One Large Scale of Petroleum Repository

Hengtao Zhang.....210

浅析沙特阿美项目防腐人员资质管理与要求

刘东, 张金喜, 张琳琳, 马岳旺, 王宏田, 宋雁铭.....215

Analysis of Qualification Management and Requirements for Coating Personnel in Saudi Aramco Project

Dong Liu, Jinxi Zhang, Linlin Zhang, Yuewang Ma, Hongtian Wang, Yanming Song.....216

水平井分段多簇压裂模拟分析

焦子曦, 杨洋.....221

Numerical Simulation of the Multi-Stage Fracturing in a Horizontal Well

Zixi Jiao, Yang Yang.....222

改革中的国企绩效管理变革

张春涛, 崔蕾, 何贺, 杨超.....232

The Reform of Performance Management in State Owned Enterprises

Chuntao Zhang, Lei Cui, He He, Chao Yang.....233

螺纹式 RTR 管道安装施工

崔晓东, 梁金超, 杨辉.....236

Installation and Construction of Threaded RTR Pipe

Xiaodong Cui, Jinchao Liang, Hui Yang.....237

国内在役成品油管道罐容需求和储罐设置分析

李丹, 姜善宝, 刘亚静, 邹明.....245

Analysis on Tank Capacity Demand and Tank Setting of Domestic Product Oil Pipeline in Service

Dan Li, Shanbao Jiang, Yajing Liu, Ming Zou.....246

沙特阿美石油公司项目管理模式下管道试压施工方案优化及降本增效措施研究 吴鹤.....	250
Study on Scheme Optimization of Pipeline Pressure Testing and Cost-Cutting & Efficiency-Enhancing Measures under Aramco's Project Management Model He Wu.....	251
准噶尔盆地腹部石南地区侏罗系薄砂体识别方法研究 王毅, 李想, 魏璞, 李俊飞, 纪宝强, 陈成龙.....	255
A Study on Identification Method of Jurassic Thin Sand Formation in Shinan Area of Dzungar Basin Yi Wang, Xiang Li, Pu Wei, Junfei Li, Baoqiang Ji, Chenglong Chen.....	256
油气长输管道焊接方法及焊材用量计算 李丹.....	267
Welding Method and Welding Material Consumption Calculation of Long-Distance Oil and Gas Transmission Pipeline Dan Li.....	268
跨孔超声波在钻孔咬合桩完整性检测中的应用 杨光升.....	273
Application of the Cross-Hole Sonic Logging Test to Evaluate the Integrity of Secant Piles Guangsheng Yang.....	274
多维三鉴探测技术在油气管道安防中的应用 王枫, 林其明, 王怡玮.....	282
Application in Oil and Gas Pipelines Security of Multi-Dimensional Three Kam Detection Technology Feng Wang, Qiming Lin, Yiwei Wang.....	283
油气管道项目工业以太网交换机的组网应用 王枫, 刘永军, 刘鹏飞.....	289
Selection and Application of Leak Detection Technology for Oil and Gas Pipelines Feng Wang, Yongjun Liu, Pengfei Liu.....	290
从钢管设计角度提升管道自动焊接质量 白芳, 钟桂香, 刁凤东.....	295
Improve the Quality of Automatic Pipe Welding from the Pipe Design Fang Bai, Guixiang Zhong, Fengdong Diao.....	296