

# TABLE OF CONTENTS

## 目 次

### **Corrosion Resistance Test and Analysis of New Type Anticorrosive Coating Composite System**

Li Jiang, Zhaoxi Song, Yang Ti.....	1
-------------------------------------	---

### **新型防腐涂料复合体系耐腐蚀性测试分析**

姜丽, 宋兆曦, 提阳.....	2
------------------	---

### **Progressive Fine Characterization Technology of Thin Reservoir in Tapping the Potential of Old Oilfields**

Feng Zhang, Hua Tian, Libo Guo.....	9
-------------------------------------	---

### **渐进式薄储层精细表征技术在老油田挖潜中的应用**

张枫, 田华, 郭立波.....	10
------------------	----

### **Study on the Distribution of Remaining Oil in Massive Edge and Bottom Water Reservoir**

Weili Liu.....	17
----------------	----

### **块状边底水油藏剩余油分布规律研究**

刘卫丽.....	18
----------	----

### **Study on Application of Seismic Data Processing Technology in Berkine Basin**

Qiwei Wang.....	28
-----------------	----

### **Berkine 盆地地震数据处理技术应用研究**

王齐伟.....	29
----------	----

### **Application and Practice of Distribution Network Automation System in Shengli Oilfield Regional Power Grid**

Zhantao Qian.....	36
-------------------	----

### **配网自动化系统在胜利油田区域电网的应用与实践**

钱古涛.....	37
----------	----

### **Azimuthal GR Application of Near Bit in Geological Orientation**

Deshan Wu, Xueyang Zhao, Fazhan Zhao, Wei Zhao, Junjun Guo.....	42
---	----

### **近钻头方位伽马在地质导向中的应用**

吴德山, 赵雪阳, 赵发展, 赵伟, 郭军军.....	43
-----------------------------	----

### **Fixed-Point Multi-Cluster and Optimized Hole Density Perforation Technology Was Successfully Applied in Fuyu Oil Reservoir**

Yanbo Deng.....	49
-----------------	----

### **定点多簇、优化孔密射孔工艺在扶余油层井上成功应用**

邓艳波.....	50
----------	----

### **A Research of Reservoir Sand Body Morphology in Permian System of the Yanchuan Gas Field**

Wei Luo.....	58
--------------	----

### **延川南气田二叠系储层砂体形态研究**

罗薇.....	59
---------	----

**Analysis of Shale Gas Development Potential in Nanchuan Block Sichuan Basin**

Bo Ma.....67

**四川盆地南川区块页岩气开发潜力分析**

马波.....68

**Design and Research of Oil and Gas Field Engineering Materials Management Technology  
Based on Full Life Cycle Theory**

Jing Li.....78

**基于全生命周期理论的油气田工程物资管理技术设计研究**

李晶.....79

**The Western Land Energy Channels Security Risk Assessment Research under “The Belt and Road” Initiative**

Gang Wang, Huaren Zhou, Jia Yao.....85

**“一带一路”倡议下西部陆上能源通道安全风险评估研究**

王刚, 周华任, 姚佳.....86

**Study on Reservoir Damage Mechanism and Protection Drilling Fluid of Jingbian Ordovician Carbonate**

Mingna Bai, Bo Li, Yong Ouyang, Zhifeng Duan, Baojun Li, Yu Zhang, Weian Huang.....96

**靖边奥陶系碳酸盐岩储层损害机理及保护钻井液研究**

白明娜, 李波, 欧阳勇, 段志锋, 李宝军, 张宇, 黄维安.....97

**Problems and Technical Countermeasures in the Middle and Later Development Stages of****Offshore Gas Condensate Field: A Case Study of Pinghu Gas Field**

Xinliang Wang.....106

**海上凝析气田开发中后期存在的问题及技术对策——以平湖气田为例**

王新亮.....107

**Method for Multi-Factor Evaluation Efficiency of Pumping Well System**

Wei Xie, Mengshi Yang, Weiyi Xie, Bofan You, Huijuan Li, Yun Li, Xi Chen, Haiyan Wei.....113

**一种多因素抽油机井系统效率评价方法**

谢巍, 杨梦石, 谢唯一, 游博凡, 李慧娟, 李云, 陈曦, 尉海燕.....114

**Study on Stratified Starting Pressure Prediction Technology for Injection Wells in Dongpu****Mature Oilfield**

Xiaolei Li, Youhong Xia.....120

**东濮老油田注水井分层启动压力预测技术研究**

李晓蕾, 夏幼红.....121

**Modularize Well Process Piping Technology**

Gangfeng Zhang.....127

**油气田井场工艺管线模块化施工工法**

张钢锋.....128

**Precise Treatment Technology of Screen Completion Horizontal Well in High Water Cut Stage in  
Shallow Conventional Heavy Oil Reservoir**

Xianmin Song, Shuangliang Wu, Huili Hu, Libin Song, Xiaoliang Yang, Jun Fu, Guohua Xiao, Lingling Wang.....142

**浅层常规稠油油藏筛管完井水平井高含水综合治理技术**

宋显民, 吴双亮, 胡慧莉, 宋利彬, 杨晓亮, 付军, 肖国华, 王玲玲.....143

**Management Status and Economic Analysis of Long-Distance Pipeline Automatic Welding Unit**

Jun Wang.....155

**长输管道全自动焊接机组的管理现状与经济分析**

王均.....156

**Experiment Research of Hydraulic Cutting Method for High Viscosity and High-Pour-Point Crude Oil**

Zhixue Xia, Wei Xie, Yufang Liu, Ran Duan, Fang Wang, Yun Li, Weiyi Xie, Hongchao Gao, Xi Chen.....161

**水力切割法开采高粘、高凝原油实验研究**

夏志学, 谢巍, 刘玉芳, 段冉, 王芳, 李云, 谢唯一, 高红超, 陈曦.....162

**Pressure End Socket Welding Technology for Bimetal Composite Pipe**

Gangfeng Zhang.....169

**双金属复合管试压封头焊接技术**

张钢锋.....170

**Analysis on Construction Cost Control of Saudi Aramco Project**

Yi Zhang, Baoan Wu, Dong Li.....177

**浅析沙特阿美项目施工成本控制**

张义, 武保安, 李栋.....178

**Application of Earned Value in International EPC Project Management**

Yihao Li, Meng Yao, Jilei Guan.....182

**浅谈赢得值在国际 EPC 项目管理的应用**

李贻浩, 姚猛, 关继磊.....183

**Some Thoughts on Reducing Purchase Cost of International EPC Projects in Oil and Gas****Pipeline Engineering**

Lu Zhang, Baicheng Li, Jiameng Li, Yuqing Wang, Yan Xiong, Peng Gao.....187

**油气管道工程国际 EPC 项目降低采购成本的几点思考**

张璐, 李柏成, 李佳萌, 王玉青, 熊焱, 高鹏.....188

**Equipment Procurement Risk Analysis under EPC Mode**

Lu Zhang, Baicheng Li, Jiameng Li, Yuqing Wang, Yan Xiong, Peng Gao.....191

**EPC 模式下设备采购风险分析**

张璐, 李柏成, 李佳萌, 王玉青, 熊焱, 高鹏.....192

**Key Issue Analysis of Procurement Management in Oil and Gas International EPC Projects**

Lu Zhang, Jiameng Li, Baicheng Li, Yuqing Wang, Yan Xiong, Peng Gao.....196

**油气 EPC 国际项目采购管理的关键事项分析**

张璐, 李佳萌, 李柏成, 王玉青, 熊焱, 高鹏.....197

**The Management and Practice of Local Subcontractor in Saudi Arabia**

Chen Bian, Liguo Liang, Chaoming Zheng, Jianhe Qin.....200

**沙特属地分包商管理与实践**

边晨, 梁立国, 郑朝明, 秦建合.....201

**Discussion on Trench Excavation Methods of Saudi Haradh Region**

Baoan Wu, Jingwei Li, Dong Li, Haijiao Wang.....205

**浅谈沙特哈拉德地区的管沟开挖方法**

武保安, 李经纬, 李栋, 王海皎.....206

**5WHY Analysis Method Application on Root Cause Analysis of Accident/Incident**

Huizhao Shi, Wei Gao, Kecheng Huo.....212

**5WHY 分析法在事故事件原因分析中的应用**

时会召, 高伟, 霍克成.....213

**Discussion on Safety Management of Aramco Gas Pipeline Project**

Lisen Tang, Zilei Fan, Guofang Jing, Baoan Wu.....217

**浅谈沙特哈拉德管道项目安全管理**

唐利森, 范自雷, 荆国防, 武保安.....218

**Analysis on Quality Inspection and Defect Repair Cost Control of Girth Weld of Long Distance Pipeline**

Rui Liu, Guangsheng Yang, Xia Zhao.....224

**长输管道环焊缝质量排查及缺陷修复费用控制浅析**

刘蕊, 杨光升, 赵霞.....225

**Study on Material Purchase of EPC Project under Saudi Aramco Material Code System**

Dong Li, Baoan Wu, Jingwei Li, Yi Zhang.....231

**阿美物资代码体系下的工程项目物资采购研究**

李栋, 武保安, 李经纬, 张义.....232

**Numerical Simulation Analysis of Allowable Bending Moment of Offshore Pipeline**

De Li, Guangsheng Yang, Mingtao Li, Zhongshan Wang, Chengbin Wang.....238

**海底管道许用弯矩数值模拟分析**

李德, 杨光升, 李明涛, 王中山, 王成斌.....239

**Ramada Construction Execution and Management of Saudi Aramco Project**

Guofang Jing, Lisen Tang, Jizeng Ren, Zilei Fan.....245

**沙特阿美项目斋月期间施工组织与管理**

荆国防, 唐利森, 任继增, 范自雷.....246

**Study on Saudi Aramco Project Local Resource Management**

Guofang Jing, Jin Wang, Chen Bian, Lisen Tang.....250

**沙特阿美项目资源属地化管理探讨**

荆国防, 王进, 边晨, 唐利森.....251

**Manpower Management and Research in Saudi Aramco Oil Company's Project**

Chaoming Zheng, Xiaohui Zhao, Jin Wang.....255

**沙特阿美石油公司项目用工风险管理与研究**

郑朝明, 赵晓慧, 王进.....256

**The Main Mechanism of Coating Disbondment for 3PE Pipes**

Jingtao Li, Xingyu Peng, Dangqiang Yin, Zeyu Liu, Chengbin Wang.....261

**浅谈 3PE 钢管防腐层剥离的主要机理**

李经韬, 彭星煜, 尹党强, 刘泽宇, 王成斌.....262

**Study on Sub-Contracting Settlement Management of Projects in Saudi Arabia**

Haijiao Wang, Shanshan Ren, Dong Li, Baoan Wu, Yi Zhang.....266

**浅谈沙特阿拉伯地区项目属地分包结算管理**

王海皎, 任杉杉, 李栋, 武保安, 张义.....267

**Analysis of Methods of Setting Out Survey in Road Construction**

Qiang Yang, Qiang Li, Fengping Zhao.....271

**浅谈道路工程中的测量放样**

杨强, 李强, 赵风平.....272

**Assessment of Material Expediting Level Based on Risk Matrix**

Yong Shao, Jun Li, Weiqi Ban, Mengpei Liu.....276

**基于风险矩阵法的物资督办等级评估**

邵勇, 李军, 班玮琦, 刘孟培.....277

**Thoughts on the Territorial Management of Indian Engineering**

Yuan Gao, Xiaodong Wang, Zhengshuai Bai, Ping Che, Pinxian Wang, Jun Wang, Haibo Hao.....281

**关于印度工程属地管理的若干思考**

高媛, 王晓东, 柏正帅, 车平, 王品贤, 王均, 郝海波.....282

**Application of Hydraulic Wrench in Flange Fastening Construction**

Liguo Liang, Chen Bian, Baoan Wu, Fengdong Diao.....286

**液压扳手在法兰紧固施工中的应用**

梁立国, 边晨, 武保安, 刁凤东.....287

**Numerical Simulation Analysis of FRP Sandwich Panel under the Action of Long-Distance Pipeline**

Yuan Gao.....294

**长输管道作用下 FRP 夹心板的数值模拟分析**

高媛.....295

**Study on the Bottom-Drag Method Laying of Offshore Pipeline Nearshore Section**

Yuan Gao.....303

**近岸段海底管道底拖法铺设研究**

高媛.....304

**Study of Construction Technology in Water Network Area**

Yuan Gao, Xiaodong Wang, Zhengshuai Bai, Ping Che, Pinxian Wang, Jun Wang, Haibo Hao.....310

**关于水网地区施工技术的研究**

高媛, 王晓东, 柏正帅, 车平, 王品贤, 王均, 郝海波.....311

**Engineering Management of Overseas PC Project**

Yishan Guan, Shaoqing Shan, Xianqiang Meng.....315

**国际 PC 项目的设计管理**

关沂山, 单少卿, 孟献强.....316

**Discussions on Measures for Contractors to Choose Subcontractors Efficiently for the****International Projects in the Emerging Markets Area**

Bin Lu, Chaoping Wang, Jin Wang, Jimin Yi, Maobin Sheng.....321

**论承包商在国际工程新兴市场区域高效遴选优质分包商的措施**

路彬, 王朝平, 王进, 仪记敏, 盛茂彬.....322

**A Summary of the Stabilizing Method of the Suspended Section for River Crossing Pipeline**

Zhipeng Ren, Fei Teng, Mingtao Li, Hao Feng.....327

**河流穿越管道悬空段稳管方法综述**

任志鹏, 滕飞, 李明涛, 冯浩.....328