

中国科技论文统计源期刊（中国科技核心期刊）·中文核心期刊



ISSN 1006-6896
CN 23-1395/TE

油气田地面工程

OIL-GAS FIELD SURFACE ENGINEERING

● 第31卷 Vol.31

6
2012



大庆油田设计院

ISSN 1006-6896

中国石油天然气集团公司 主管
大庆油田有限责任公司 主办



9 771006 689687

行业论坛

煤层气集输系统安全设施优化	巴室立(1)
粒子群算法在油藏储量滚动预测上的应用	张国安(3)
量压优选注水法	孔德涛 钱永强 华伟等(5)
跨国公司合同集中管理与效率	刘睿 魏军(7)
油田数字化消防	郑海峰(9)
大型油库火灾事故抢险救援	余青原 杨桔(11)

试验研究

气田集输系统效率评价方法	李德选 李文广 李文婷(13)
基于高频交变复合磁场的防蜡降黏技术	孙雪琼 王钊 宋文磊(15)
抽油机扭矩计算模型建立及求解方法	冯立 吴虞 才庆(17)
大庆外围低渗透油田低集油的可行性	刘学(19)
石英砂滤料高温热洗技术	李政军(21)
白于山区原油高效破乳剂	张丽平 杨鹏 罗晓莉等(23)
原油黏度对聚合物驱油效果影响的数值模拟	路克微(25)
气田合采层间干扰分析及参数优化	曾庆恒 刘洪 虎进等(26)
油田注水系统效率的计算及提高措施	何志英 王瑞杰 刘运强等(28)
理想点逼近法用于油气管道穿越河流方案的选择	方荃平(30)
直井井网及加入水平井的井网调整	刘洋 刘江林 张建兵(32)
PIPESIM模拟注醇量与气井实际生产偏差系数	杨欢(34)

规划设计

升平油田地面建设整体优化技术	马矿召(35)
碳酸盐岩油气田单井优化设计	许爱华 程娜 牟晓波等(37)
水平井压裂混合井网的优化设计	贾长贵 温庆志(38)

集输处理

白音查干油田含油污水的处理	王振玉 侯红霞(40)
中原油田濮城沙一油藏油气集输工艺优化	宋翠红 王海琴 张秀玲等(42)
串接集输工艺应用效果分析	刘应学 黄鹤 汪益宁等(44)
气浮—淹没式滤池法处理含聚污水	乔攀尧(46)
萨南油田水处理技术发展及展望	夏江峰(48)
膜分离处理稠油污水的预处理工艺	徐静莉(50)

仪表自控

油田智能视频监控系统设计及实施	邱淑媛 薛海鸿 陈俊昌等(51)
联合站油量半自动动态计量误差的定量分析	楚殿庆(53)
高压水流量自控工艺	于大伟(55)
气吹微管微缆技术及工程应用特点	余丽(56)
油田电力系统自动化发展趋势	刘展辰(57)
LED光源在油田地面工程中的应用	张骥(58)

生产管理

现代管理方法用于萨南油田数字化网络	李雪(59)
循环注气管线系统的吹扫试压	陈宁军(61)
埕岛油田老区注水系统节能潜力	李育(62)
油井躺井治理措施与螺杆泵选型方法	闵国化 谢兆红 潘贺龙等(64)
埕岛油田注水井存在的问题及对策	曹文江(66)
天然气及轻烃集输管道输配管理	张广文(68)
聚合物母液合格率影响因素与对策	付忠伟(69)
油田高压管线的解决措施	陈文(70)
重烷基苯磺酸盐装置密封性能的改善	路玉春(71)
产能建设项目的经济后评价	唐丹(72)
江心岛油田地面工程建设环保、防洪适应性	王棚(73)
长输管道通过山地矿区的线路选择和敷设方式	王强(74)
通过加强质量监督提高海塔石油工程建设水平	杨喜东(75)
热泵技术在现场应用中的完善	韩鹏宇(76)

技术纵横

含聚软化水高温高压条件下水质变化及结垢腐蚀	程磊(77)
注汽锅炉烟气余热利用技术	张广卿(78)
管道智能检测技术	陈广(80)
集油系统通管清蜡技术	曲森(82)
醋酸催化有机残液中铈含量分析	于力恒(83)
多台洗井装置联排冲洗注水干线	董健(84)
降低注汽锅炉吨汽耗水量的措施	黄昊 邢国军 杨晓飞(85)
污水处理在用核桃壳过滤器的结构改造	金彦雄(86)
多通道回转头计量装置工艺改进	李洪志(87)
球形储罐球壳结构形式的优化与质量控制	李德昌 官云胜(89)

产品动态

新型防松脱曲柄销	魏莱 史涛 王颖峰等(90)
钢骨架塑料复合管在联合站管线工程中的应用	劳启威 吴涛 刘钢等(91)
地面高压软管连动装置	徐宏权 闫海峰 张林林等(92)
分离加热缓冲组合装置	李洪志(93)
黄油枪黄油灌装装置	邱博(94)

月刊 1978年创刊 核心期刊

<中国期刊先知网>加盟期刊

<中国学术期刊(光盘版)>收录期刊

万方数据系统<科技期刊群>入网期刊

第31卷第6期(总第250期)

2012年6月20日出版

国内外公开发刊

主 管 中国石油天然气集团公司

主 办 大庆油田有限责任公司

承 办 大庆油田设计院

编辑出版 油气田地面工程杂志社

广告许可 2306004000203

电 话 (0459)5903568

网 站 <http://www.yqtdmgc.com>

信 箱 yqtdmgc@petrochina.com.cn

编委会主任 谢中立

主 编 张良杰

副 主 编 王德祥

责任编辑 杨 军

版式设计 王 萌

印刷装订 大庆市金立包装印刷有限公司

国内发行 黑龙江省大庆市邮局

国内订阅 全国各地邮局

邮发代号 14-89

国外发行 中国国际图书贸易总公司

全年订价 120元

INDEX

- | | |
|--|---------------------|
| 1. Optimization of Safety Equipments Used in CBM Gathering System | Ba Xili |
| 3. Application of Particle Swarm Optimization on Reservoir Rolling Forecasting | Zhang Guoan |
| 5. Water Injection Method for Pressure Measurement Optimization | Kong Detao et al |
| 7. Central Management and Efficiency of the Contract for Multinational Company | Liu Rui et al |
| 9. Digitized Fire of the Oilfield | Zheng Haifeng |
| 11. Fire Accident Rescues of Oil Depot in Large Scale | Yu Qingyuan et al |
| 13. Efficiency Evaluation Method on Gathering and Transferring System in Gas Field | Li Dexuan et al |
| 15. Implement on Wax Control and Viscosity Reduction Based on High Frequency Alternative Compound Magnetic | Sun Xueqiong et al |
| 17. Establishment and Solution of Computation Model for Pumping Unit Torque | Feng Li et al |
| 19. Feasibility of Oil Gathering with Low Temperature in Daqing Peripheral Low Permeability Oilfield | Liu Xue |
| 21. Thermal Washing Technology of Quartz Sand Filter Material | Li Zhengjun |
| 23. High Efficient Demulsifier of Crude Oil on Baiyushan Area | Zhang Liping et al |
| 25. Numerical Simulation of Crude Oil Viscosity on Polymer Flooding Effect | Lu Kewei |
| 26. Characteristics of Interlayer Interference and Development Strategy of Multilayer Commingled Production Gas Reservoir | Zeng Qingheng et al |
| 28. Calculation and Improving Measures of the Efficiency for Water Injection System in the Oilfield | He Zhiying et al |
| 30. Application of FUZZY-AHP-TOPSIS Method on the Selection of Crossing the River Project for Oil-Gas Pipeline | Fang Quanping |
| 32. Well Pattern Adjustment of Vertical Well and Joined Horizontal Well | Liu Yang et al |
| 34. PIPESIM Simulate Alcohol-Injecting Quantity and Actual Production Bias Coefficient of Gas Well | Yang Huan |
| 35. Overall Optimization Technology of Surface Construction in Shengping Oilfield | Ma Kuangzhao |
| 37. Optimization Design of Carbonate Rocks Oil-Gas Single Well | Xu Aihua et al |
| 38. Optimal Design of Mixing Well Pattern for Fractured Horizontal Wells | Jia Changgui et al |
| 40. Oily Water Disposal Technology in Baiyinchagan Oilfield | Wang Zhenyu et al |
| 42. Optimization of Oil-Gas Gathering and Transferring Process of Puchengsha Reservoir in Zhongyuan Oilfield | Song Cuihong et al |
| 44. Effect Analysis of Connecting Gathering and Transferring Process | Liu Yingxue et al |
| 46. Treatment of Polymer Contained Sewage by Floatation and Submerged Filter Method | Qiao Panrao |
| 48. Development and Prospect of Water Disposal Technology in Sanan Oilfield | Xia Jiangfeng |
| 50. Pretreatment Process of Membrane Separation for Heavy Oil Wastewater Treatment | Xu Jingli |
| 51. Intelligent Video Surveillance System for Oil Field Design and Implementation | Qiu Shuyuan et al |
| 53. Quantitative Analysis on Semi-Automatic Oil Quantity of Dynamic Measurement Errors of Multi-purpose Station | Chu Dianqing |
| 55. Flow Automatic Control Process of High Pressure Water | Yu Dawei |
| 56. Blown Micro Ducting and Micro Cable Technology and Its Application Characteristic | Yu Li |
| 57. Automation Developmental Trend of Electric Power System in the Oilfield | Liu Zhanchen |
| 58. Application of LED Light in Oilfield Surface Engineering | Zhang Qi |
| 59. Digital Network of Modern Management Approach in Sanan Oilfield | Li Xue |
| 61. Purging and Pressure Test of Cyclic Air Injection Pipeline | Chen Ningjun |
| 62. Energy Saving Potential for Water Injection System in Old Area of Chengdao Oilfield | Li Yu |
| 64. Selection on Screw Pump and Treatment of the Oilwell | Min Guohua et al |
| 66. Problems and Countermeasures of Water Injection Well in Chengdao Oilfield | Cao Wenjiang |
| 68. Transmission and Distribution Management in Gathering & Transferring Pipeline for Natural Gas and Light Hydrocarbon | Zhang Guangwen |
| 69. Influencing Factors and Countermeasures of Qualified Rate for Polymer Mother Liquor | Fu Zhongwei |
| 70. Countermeasures on Occupied Pipeline in the Oilfield | Chen Wen |
| 71. Improvement of Sealing Performance of Heavy Alkylbenzene Sulfonates Equipment | Lu Yuchun |
| 72. The After-economy Evaluation of Productivity Construction Project | Tang Dan |
| 73. Environmental Protection and Flood Proofing Adaptability in Surface Engineering Construction of Jiangxin Island Oilfield | Wang Peng |
| 74. Route Selection and Laying Mode of Long Distance Pipeline Through Mountainous Mining Area | Wang Qiang |
| 75. Improve Construction Level of Haita Petroleum Engineering by Strengthen Quality Supervision Management | Yang Xidong |
| 76. Perfection of Heat Pump Technology in Field Application | Han Pengyu |
| 77. Water Quality Change and Fouling Corrosion under Condition with High Temperature & High Pressure of Polymer Soften Water | Cheng Lei |
| 78. Waste Heat Utilization Technology on Flue Gas of Steam Injection Boiler | Zhang Guangqing |
| 80. Pipeline Intelligent Monitoring Technology | Chen Guang |
| 82. Pipeline Paraffin Removal Technology of Oil Gathering System | Qu Sen |
| 83. Analysis of Rhodium Content on Acetate Catalytic Organic Residue | Yu Liheng |
| 84. Couplet Spring Washing Injection Main Line of Multi-Well Flushing Equipment | Dong Jian |
| 85. Countermeasures on Reducing Water Consumption of Steam Injection Boiler | Huang Hao et al |
| 86. Structure Improvement of Nutshell Filter in Use for Sewage Disposal | Jin Yanxiang |
| 87. Improvement of Metering Device Process of Multi-modal Round Valve | Li Hongzhi |
| 89. Optimization and Quality Control of Structural Type for Spherical Shell in Spherical Tank | Li Dechang et al |
| 90. New Type of Loosening-Proof Crank Pin | Wei Lai et al |
| 91. Application of Steel Reinforced Plastics Pipe in Pipeline Project of Multi-purpose Station | Lao Qiwei et al |
| 92. Surface High Pressure Soft Tube Linkage Equipment | Xu Hongquan et al |
| 93. Separation Heated Buffer Equipments | Sun Haiying |
| 94. Grease Gun Tank Equipment | Qiu Bo |

EDITOR IN CHARGE: Yang Jun