





试验·研究

1 稠油热采注汽锅炉烟气控制节能技术研究

衣怀峰 韩春雨 马海斌 等

4 恩威尔特 CC-100 复合型绝热涂层在球形 LPG 储罐上 的应用研究

夏静森 杨光权 祁永刚 等

7 喇嘛甸油田配电网运行优化潜力分析及对策

王久洋 李庆梅

11 油田配电网中电能损耗分析及降损措施

张命勇 陈鹏

13 新民油田机采节能技术研究与应用

李国清

16 应用抽油机井电动机功率曲线计算减速箱扭矩曲线

朱荣杰 兰永乾 马龙飞

18 萨西油田古301区块萨尔图油层开发潜力研究

高洋

技术•应用

20 综合检漏技术在塔指小区燃气管道上的应用

李道芬 李克强 陈世荣

23 水源热泵技术在油田建筑节能中的应用

于海萍

25 新建住宅利用地热及水源热泵技术供暖浅析

黄祖刚

27 配套节能工艺技术在油田生产中的应用

张辉

30 W51 断块高效开发配套技术研究与应用

杨建华 杜云 张传甫 等

32 抽油机下偏杠铃节能改造技术在葡萄花油田的应用 黄晶阳 张雅春 李立强 等

34 油田注水系统节能技术应用

赵东升

设备·产品

36 输油泵大修后节能效果测试与分析

刘国豪黄晓真许铁等

38 工艺冷凝液系统离心泵的改造与运行效果评价

刘江庆毕同峰

41 电子除垢系统在丙烯腈厂的应用

霍凤华

43 燃气锅炉节能技术应用

纪海澎

管理•实践

45 大庆油田采油厂开展节能项目应注意的问题

谭胜

47 含 CO: 天然气管线在线腐蚀检测分析系统

于生 谢伟 王世刚等

50 聚合物驱油对联合站污水系统的影响

王丽娟

综合资讯

《石油与装备》杂志(10)以色列的太阳能开发热潮(24)能源企业须加快推进信 息化(29) 炼化新技术降低了成本(37) Goldeneye 的二氧化碳储存解决方法(40) 中国石油天然气集团公司"十一五"节能节水优秀项目(42)欢迎访问《石油石化 节能》杂志网站(49)中国石油天然气集团公司召开节能工作会议(52)

53 英文摘要

封面图片: 新疆石西油田 (摄影: 桑圣江)

责任编辑:张兴平 英文译审:张兴平 美编:李珊梅 排版制图: 高慧艳

2/2011

VOL.1 NO.2

TESTING & RESEARCH

1 The energy-saving technology research of the injecting steam boiler for the heavy oil thermal recovery

Yi Huaifeng, Han Chunyu and Ma Haibin et al.

4 Application of CC-100 heat-insulating coating in LPG spherical storage tank

Xia Jingsen, Yang Guangquan and Qi Yonggang et al.

7 Analysis of optimum potential on the power network operation in Lamadian oilfield

Wang Jiuyang and Li Qingmei

11 Analysis of the electric power loss in the oilfield power network and the measures for reducing the electric power loss

Zhang Mingyong and Chen Peng

13 Study and application of energy-saving technologies on suck rod pumping system in Xinmin oilfield

Li Guoqing

16 The method on calculating the torque curve of pumping unit reducer by the power curve of pumping unit electric motor

Zhu Rongjie, Lan Yongqian and Ma Longfei

18 Study on development potential of Saertu oil layers in 301 block of Saxi oilfield

Gao Yang

TECHNOLOGY & APPLICATION

20 Application of leak detection technology in gas pipeline of Tazhi area

Li Daofen, Li Keqiang and Chen Shirong

23 Application of water-source heat pump technology in building energy-efficient of oilfield
 25 Application of geothermal and water-source heat pump technology in new residential area

Yu Haiping Huang Zugang

27 Application of energy-saving technology in oilfield

Zhang Hui

30 Study and application of development technology in W51 faulted block

Yang Jianhua, Du Yun and Zhang Chuanpu et al.

32 Application of energy-saving technology on transforming pumping unit with downward beam weight in Putaohua oilfield
Hu

Huang Jingyang, Zhang Yachun and Li Liqiang et al.

34 Application of energy-saving technology in oilfield water-injection system

Zhao Dongsheng

EQUIPMENT & PRODUCT

36 Energy-saving testing and analysis for the overhaul effect of oil pump

Liu Guohao, Huang Xiaozhen and Xu Tie et al.

38 Evaluation for the improvement of centrifugal pump in the process condensate treatment system

Liu Jiangqing and Bi Tongfeng

41 Application of electronic descaling system in acrylonitrile unit

Huo Fenghua

43 Application of energy-saving technology in gas-fired boilers

Ji Haipeng

MANAGEMENT & PRACTICE

45 The noticed problems on the energy-saving projects in Daqing oilfield

Tan Sheng

47 The in-line corrosion-detection system for the gas pipeline contained CO₂

Yu Sheng, Xie Wei and Wang Shigang et al.

50 Polymer flooding effect on the sewage treatment system in multipurpose station

Wang Lijuan

- 52 Abstracts of selected articles
 - Editor in Charge: Zhang Xingping Translator: Zhang Xingping
 - Art Editor: Li Shanmei Pictures: Gao Huiyan

