

3
第9卷
Vol.9

2019

ISSN 2095-1493
CN 23-1572/TE

ECCPP!
ENERGY CONSERVATION IN PETROLEUM & PETROCHEMICAL INDUSTRY

石油石化节能



中国学术期刊网络出版总库收录期刊
《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
维普资讯全文收录期刊
超星学术期刊“域出版”收录期刊

ISSN 2095-1493



万方数据

中国石油天然气集团有限公司 主管
大庆油田有限责任公司 主办
大庆油田工程有限公司



试验研究

- | | |
|-------------------------------|-----------------|
| 1 S 开发区特高含水开采阶段降本增效的主要做法及效果分析 | 米冬玲 袁媛 |
| 4 油田机采系统专项能源审计方法研究与应用 | 马振川 |
| 8 水平井压裂工艺参数与产能关系研究与认识 | 张传绪 苗国晶 王忠凯 张井龙 |

技术应用

- | | |
|--------------------------|------------|
| 11 节能变压器在抽油机井上的应用 | 王庆伟 |
| 15 大庆油田模块钻机钻井液循环系统改进与应用 | 宋晓东 赵阳 周万成 |
| 18 抽油机井合理控制地面举升设备能耗方法的探讨 | 江祖楠 |
| 21 提高 SAGD 热效率技术研究 * | 任宝铭 |

管理·实践

- | | |
|-----------------------|---------|
| 24 智能平台在油田节能管理中的应用 | 段学彬 |
| 29 油田节能降耗探索与实践 | 刘德生 李广月 |
| 32 提高机修厂区域室内采暖温度的措施探讨 | 宋凯旋 |

设备·产品

- | | |
|--------------------------|-----|
| 34 新型角式水表检定装置的设计与节能效果分析 | 何成跃 |
| 36 应用抽油机用永磁半直驱同步拖动装置效果分析 | 徐达 |
| 39 恒流偏心配水堵塞器在油田的适用性分析 | 王连波 |

节能经济

- | | |
|-------------------------|----|
| 42 加油站 LED 灯节能改造及节能效果分析 | 于洋 |
| 44 化工企业节能降耗面临的问题与策略分析 | 崔嵬 |

责任编辑：巩亚清
英文译审：李俐莹
美术编辑：李珊梅
排版制图：高慧艳

封面图片：辽河油田特种油开发公司节能措施作业现场（摄影：倪有权）

CONTENTS



TESTING & RESEARCH

1	Main Methods and Effect Analysis of Reducing Cost and Increasing Efficiency in the Stage of Ultra-high Water Cut Mining in S Development Zone	MI DongLing, YUAN Yuan
4	Research and Application of Special Energy Audit Method for Oilfield Mechanical Production System	MA Zhenchuan
8	Study and Experiment on the Relationship between Technological Parameters and Productivity of Horizontal Well Fracturing	ZHANG Chuanxu, MIAO Guojing, WANG Zhongkai, ZHANG Jinglong

TECHNOLOGY & APPLICATION

11	Application of Energy-saving Transformers in Pumping Wells	WANG Qingwei
15	The Improvement and Application of Mud Circulating System for Modular Drilling Machine in Daqing Oilfield	SONG Xiaodong, ZHAO Yang, ZHOU Wancheng
18	Discussion on Reasonable Control of Energy Consumption of Ground Lifting Equipment in Pumping Well	JIANG Zunan
21	Research on Improving Thermal Efficiency of SAGD	REN Baoming

MANAGEMENT & PRACTICE

24	Application of Intelligence in Oilfield Energy Conservation	DUAN Xuebin
29	Exploration and Practice of Energy Saving and Consumption Reduction in Oilfield	LIU Desheng, LI Guangyue
32	Discussion on Measures to Improve the Indoor Heating Temperature in the Garage Area	SONG Kaixuan

EQUIPMENT & PRODUCT

34	Design and Energy-saving Effect Analysis of New Type Verification Device for Angular Water Meter	HE Chengyue
36	Effect Analysis of Permanent Magnet Semi-direct Drive Synchronous Drive Device for Pumping Unit	XU Da
39	Applicability Analysis of Constant Current Eccentric Water Distribution Blocker in Oilfield	WANG Lianbo

ENERGY CONSERVATION ECONOMY

42	Analysis of Energy-saving Reformation and Effect on LED Lights in Gas Station	YU Yang
44	Problems and Strategies of Energy Saving and Consumption Reduction in Chemical Industry	CUI Wei

■ Editor in Charge:Gong Yaqing

■ English Editor: Li Liying

■ Art Editor: Li Shanmei

■ Pictures: Gao Huiyan