

专题研究	• 水下悬浮管汇总体布局及设计方案
	 韦龙贵,王莹莹,陈 幸,杨 超,赵维青,关清涛,郭 鑫(1)
	• 渤海油田化学驱分层注入技术研究进展与实践
	 郑灵芸(14)
	• 双沉砂结构深抽抽油泵研究
	 智勤功,张中慧,王 峰,姜 东,周 娜,张方圆,孙渊平,苏秋涵,肖 萍(20)
设计计算	• 单筒四井井口采油树结构设计 with 有限元分析
	 陈 力,赵宝祥,刘贤玉,郭 浩,隋中斐,刘化国,于 亮,李红生,李鹤群(25)
	• 井下小尺寸水力涡轮设计与结构优化
	 刘保侠,张文涛,王宗明,张 锐,张 鼎(34)
	• 套变分注井小直径可丢可钻封隔器设计及试验
	 刘亚珍(41)
开发应用	• 致密气藏井下智能排水采气装置研制与应用
	 杨全蔚,刘 辉,王 磊,常玉婷,曹国佳,陈 晨,王闻涛(47)
	• ZLQ030-75 型高温钻井液冷却装置研制
	 郝秦阳,彭俊威,戴启平,周 青,唐 成,杨 强(53)
	• 海上油田长效注汽井口技术研究与应用
	 顾启林,马增华,汪 成,安宏鑫,田 宇,章宝玲(58)
	• 定向井液力耦合钻井工具研制
	 许朝辉,范进朝,房 超,林子力,田家林(64)
	• 防砂埋插入式分层压裂管柱研究与应用
	 刘 鹏,季菊香,刘传刚,张云驰,左 凯,杨生文(72)
	• DMS 可溶球座性能测试一体化试验装置研制
	 车继勇,王毅理,陈 磊,肖 波,谯正武,白文雄,张 铠,李明娜(78)
	• 投稿须知
	 (46)
	• 下期目次预告
	 (52)

OIL FIELD EQUIPMENT(OFE)

(Started in 1972)

Vol. 52 No.4 (Ser. 373, Bimonthly)

July 25, 2023

CONTENTS

• MONOGRAPHIC STUDY •

The Overall Layout and Design Scheme of Subsea Floating Manifold
..... WEI Longgui , WANG Yingying , CHEN Xing , YANG Chao , ZHAO Weiqing , GUAN Qingtao , GUO Xin (1)

Research Progress and Practice of Chemical Flooding Layered Injection Technology in Bohai Oilfield ZHENG Lingyun (14)

Research of Double Sand Setting Chambers Deep Well Pump ZHI Qingong , ZHANG Zhonghui ,
WANG Feng , JIANG Dong , ZHOU Na , ZHANG Fangyuan , SUN Yuanping , SU Qiuhan , XIAO Ping (20)

• DESIGN AND CALCULATION •

Structure Design and Finite Element Analysis of 4 in 1 Multiple Module Wellhead(MMW-1) and Christmas Tree
CHEN Li , ZHAO Baoxiang , LIU Xianyu , GUO Hao , SUI Zhongfei , LIU Huaguo , YU Liang , LI Hongsheng , LI Henqun (25)

Design and Structural Optimization of a Downhole Small Size Hydraulic Turbine
..... LIU Baoxia , ZHANG Wentao , WANG Zongming , ZHANG Rui , ZHANG Ding (34)

Design and Test of Small-diameter Safety Releasing and drillable Packer for Casing Deformation Layered Water Injection Well
..... LIU Yazhen (41)

• DEVELOPMENT AND APPLICATION •

Development and Application of Downhole Intelligent Drainage Gas Production Device for Tight Gas Reservoir
..... YANG Quanwei , LIU Hui , WANG Lei , CHANG Yuting , CAO Guojia , CHEN Chen , WANG Wentao (47)

Development of ZLQ030-75 High Temperature Drilling Fluid Cooling Device
..... XI Qinyang , PENG Junwei , DAI Qiping , ZHOU Qing , TANG Cheng , YANG Qiang (53)

Research and Application of Long-term Steam Injection Wellhead Technology for Offshore Oilfield
..... GU Qilin , MA Zenghua , WANG Cheng , AN Hongxin , TIAN Yu , ZHANG Baolin (58)

Development of Hydraulic Coupling Drilling Tools for Directional Wells
..... XU Zhaohui , FAN Jinchao , FANG Chao , LIN Zili , TIAN Jialin (64)

Research and Application of Sand Control Embedded Separate Layer Fracturing String
..... LIU Peng , JI Juxiang , LIU Chuangang , ZHANG Yunchi , ZUO Kai , YANG Shengwen (72)

Development of Integrated Test Device for DMS Soluble Ball Seat Performance Test
CHE Jiyong , WANG Yili , CHEN Lei , XIAO Bo , QIAO Zhengwu , BAI Wenxiong , ZHANG kai , LI Mingna (78)