

# CONTENTS

#### Studies on the Scaling of High Pressure and Low Permeability Oil Reservoir Water Injection Well

LI Zhaomin, ZHANG Dingyong, Qin Guoshun, GUO Longjiang, LI Wei (1)

#### Effect of Water Salinity on Shale Reservoir Productivity

Samiha Morsy, J. J. Sheng (9)

# Maximizing Drilling Performance With Real-Time Surveillance System Based on Parameters Optimization Algorithm

CUI Meng, SUN Mengci, ZHANG Jinwen, KANG Kai, LUO Yucai (15)

# Effective Application of Solid Expandable Tubular During the Enhancement of Heavy Oil Recovery in China, Lessons Learned and Experience Shared

LI Tao, PEI Xiaohan, LI Yiliang, CHEN Qiang, HAN Weiye, HUANG Shouzhi (25)

#### Waste Oil and Fat Feedstocks for Biodiesel Production

SHI Hailei, ZHANG Hui (31)

**The New Method and Application of Friction Torque for Extended Reach Well** JIA Jianghong, YAN Zhenlai, DOU Yuling, HUANG Genlu, MA Qingtao (37)

#### Numerical Simulation of Foam Flow in Annulus With Wellbore Heat Transfer SUN Shihui, YAN Tie, BI Xueliang, XING Yunlong (43)

- Study on Borehole Wall Real-Time Stability of Coal Seam With Coal Cleat When Underbalanced Drilling *CUI Zhihua, AI Chi, FENG Fuping, XU Yifan, YU Fahao, XU Haisu (49)*
- **An Experimental Study on Cement Sheath Sealing Evaluation** *ZHAO Xiaofeng, MA Wenhao, LIAO Hualin, HE Hongjun (55)*
- **Tripping Friction Model for Multi-Stage Fracturing and Completion String in Horizontal Well** HU Chaoyang, AI Chi, WANG Fengjiao, LI Yuwei, FENG Fuping (61)

#### Application of Phase-Controlled Reservoir Prediction Technology in NB Oilfield of Bohai Bay

MING Jun, WANG Mingchun, TAN Lv, XIA Tongxing, HAN Zijun (66)

# Prediction Technology for Top Gas Reservoir of Oil and Gas Reservoir of Three-Dimensional Seismic Pre-Stack Parameters: Application in Jinzhou South Oil and Gas Field in Bohai Sea

MING Jun, WANG Jianli, ZHANG Linlin (72)

## Productivity Prediction for Stacked Multilateral Horizontal Well Under Open Hole Series Completion Methods

CHEN Yang, LI Wei, GONG Peibin, ZHANG Lei, MA Mingxin, WANG Shaoxian (79)

### **Drilling Engineering Design and Application of Well Fengshen-x601**

WANG Tianyu (85)

## Experimental Study of Dehydration Effect of Crude Oil in Multi-Purpose Station

WEN Jing (90)

### New Technology of Coiled Tubing Drilling in Slim Hole

YUE Shuhai (95)