

Table of Contents

Volume 7 Number 3

August 2019

**Remaining Oil Distribution Law and Potential Tapping Strategy of Horizontal Well Pattern
in Narrow Oil Rim Reservoir with Gas Cap and Edge Water**

X. L. Zhu, Z. B. Liu, X. R. Wang, Z. Q. Meng, Q. Zhu.....355

**Stress Analysis of Buried Pipeline Installed by Horizontal Directional Drilling
Using ANSYS Finite Element Software**

F. T. Olumoko, C. V. Ossia.....365

**Quantitative Characterization and Dynamic Law of Interlayer Interference for Multilayer
Commingled Production in Heavy Oil Reservoirs by Numerical Simulation**

D. Liu, F. Y. Zhang, Q. Zhu, X. R. Wang, J. Fan.....379

**Simulation and Experimental Study on Spray Characteristics of Gas-Assisted
Urea Spray Gun**

Z. F. Zhu, P. Chen, S. Wang, J. H. Gui, W. X. Wang.....396

**Effects of Moisture Content and Plasticity Index on Duncan-Chang Model Parameters
of Hydraulic Fill Soft Soil**

E. Z. Chen, M. Yan, J. H. Ding, C. Gao, Y. Gan.....408

Kinetics of Elution of Gentamicin from a Gentamicin-Loaded PMMA Bone Cement

G. Lewis, L. Li.....418

Availability, Performance and Reliability Evaluation for PV Distributed Generation

A. K. Al-Sefri, A. M. Al-Shaalan.....429

Analysis of Influencing Factors of Silt Solidified Soil in Flowing State

J. H. Ding, Z. M. Feng, D. X. Sun, K. K. You, M. H. Yan, Y. L. Xun.....455

Investigation of Combustion Characteristics of Premixed Propane/Air Flame

A. S. Al-Shahrani.....465

**Effect of Pneumatic Boxing Gloves on Impact Kinematics and Their Relationship
to Impact Forces**

P. Perkins, A. Jamieson, W. Spratford, A. Hahn.....472

Experimental Study on Secondary Wear of Friction Pair Surface

Y. Q. Gou, Y. H. Yan.....513

Study of External Characteristics of Hydraulic Electromagnetic Regenerative Shock Absorber

M. Y. Iqbal, Z. F. Wu, G. Z. Xu, S. A. Bukhari.....520

Simulation Analysis of Characteristics for Independent Metering Control System Based on Downstream Compensation

G. T. Zhang, J. Xu, J. Yang, K. L. Liu.....536