### TABLE OF CONTENTS

SPE/IADC 156888 Demonstrating the Value of Integrating FPWD Measurements With Managed Pressure Drilling To Safely Drill Narrow Mud Weight Windows in HP/HT Environment ........................................... 1  

SPE/IADC 156889 Successful Implementations of Tophole Managed Pressure Cementing and Managed Pressure Drilling in the Caspian Sea ................................................................. 15  
M. Mir Rajabi, B. Rohde, N. Maguire, R. S. Stave, R. Tapper

SPE/IADC 156892 Successful Use of Managed Pressure Drilling (MPD) in Low Pressure, High Pressure, High Temperature, and Deeper Reservoirs in Mexico South ............................................. 29  
E. Gomez, M. Chavarria, J. C. Beltran, C. Lupo, H. Duno, J. Casas

SPE/IADC 156893 Closed Loop Circulating Systems Enhance Well Control and Efficiency With Precise Wellbore Monitoring and Management Capabilities ........................................... 48  
B. Grayson, A. H. Gans

SPE/IADC 156895 Successful Controlled Pressure Drilling Application in a Geothermal Field ............................................. 60  
E. Sammat, S. O’Shea, G. Innes, J. Kemenyfy, D. Piscevic

SPE/IADC 156897 Evaluation of Results From One Company’s Global Use of Underbalanced Drilling for Tight Gas Exploration and Appraisal Reservoir Characterization ........................................... 72  
Dave Elliott

SPE/IADC 156899 Use of the Continuous Circulation System on the Kvitebjorn Field ............................................. 79  

SPE/IADC 156902 Simulator and the First Field Test Results of an Automated Early Kick Detection System That Uses Standpipe Pressure and Annular Discharge Pressure ............................................. 87  
Ian Mills, Donald Retama, Jesse Hardt, Zaurayze Tariq

SPE/IADC 156904 A Thixotropic Barrier Fluid Used To Prevent the Commingling of Fluids While Tripping on Managed Pressure Drilling Wells ............................................. 97  
R. Riker, J. Turner, R. Lovorn, T. Kale

SPE/IADC 156907 Drilling Hazard Mitigation Technology Enables Conventionally Undrillable Prospects to be Drilled with Reduced Nonproductive Time and Increased Operational Safety: Application of Solid Expandable Liners and Managed Pressure Drilling in Algeria Nezla Field ............................................. 103  
I. Hamoudi, K. Kartobi, P. Vieira, M. A. Saad, F. Torres, H. Qutob

SPE/IADC 156908 The Application of Advanced Gas Extraction and Analysis System Complements Early Kick Detection and Control Capabilities of Managed Pressure Drilling System With Added HSE Value ............................................. 114  
B. Patel, T. D. Cooper, S. N. Hughes, W. C. Billings

SPE/IADC 156909 Onshore US MPD Use by an Operator ............................................. 120  
J. Montilva, J. Mota, R. Billa

SPE/IADC 156911 Near Balance Drilling Benefits Addressed Through a Blowout Probability Model ............................................. 141  
Claudio Molaschi, Silvia Masi, Fabrizio Zausa, Nicola Rossi, Jean Michelez

SPE/IADC 156912 Utilizing MPD To Drill HPHT Deepwater Exploration Well ............................................. 155  

Author Index