

Technical Sessions

Wednesday, 14 October 2015



8:30 – 12:00pm: Salon A-D

Session 1A: Fracturing & Characterization

Session Chairperson(s):

Rick Smith, CJ Energy Services

Lori Acor-Kraft, Lubrizol Oilfield Solutions

- 8:30 177306 Refracturing Design for Underperforming Unconventional Horizontal Reservoirs: J.T. Krenger, J. Fraser, A.J. Gibson, Devon Energy; A. Whitsett, J. Melcher, S. Persac, Halliburton
- 9:00 177301 Dynamic assessment of Induced Stresses and In-situ Stress Reorientation during Multi-stage Hydraulic Fracturing in Unconventional Reservoirs: L. Reddy, A. Jenkins, E. Fathi, West Virginia University
- 9:30 177295 Refracturing Early Marcellus Producers Accesses Additional Gas: G.D. Rodvelt, Halliburton; M. Ahmad, A. Blake, Consol Energy
- 10:00 Coffee Break
- 10:30 177282 Clustering-Based Optimal Perforation Design Using Well Logs: A. Popa, Chevron; M. Hao, Electronic Arts; S.D. Cassidy, Chevron Corporation; A. Cover, D. Shepherd, Chevron; S. Jikich, University Of Pittsburgh
- 11:00 177288 Impact of Geo-mechanical Properties on the Fracture Treatment of Utica Shale: T.M. Osman, H. Bilgesu, West Virginia University
- 11:30 177304 Water-Rock Interaction for Eagle Ford, Marcellus, Green River, and Barnett Shale Samples: M. Ali, B. Hascakir, Texas A&M University

8:30 – 12:00pm: Salon E-H

Session 1B: Safety and Environmental

Session Chairperson(s):

Jermaine Morschauer, Cabot Oil and Gas

Sam Ameri, West Virginia University

- 8:30 177315 Approach for Assessing Wellbore Integrity to Prioritize Study Areas for Potential Siting of a Carbon Dioxide Repository: B. Buxton, S. Weber, M.A. Moody, N. Gupta, J. Sminchak, Battelle Memorial Institute
- 9:00 177308 Environmental Benefits of Electric Powered Hydraulic Fracturing: J.M. Oehring, U.S. Well Services LLC
- 9:30 177289 Evolving Air Regulations Are Causing Inconsistencies Across the Marcellus Shale Basin: T.S. Seguljic, HRP Associates, Inc.
- 10:00 Coffee Break
- 10:30 177292 Management of Internal Corrosion Threats Can Improve Long Term Integrity of Midstream Pipelines: N. Hanger, B. Tossey, R. Eckert, DNV GL
- 11:00 177316 Utilizing Cement Bond Logs to Evaluate Wellbore Integrity for Local and Regional Scales: A. Haagsma, A. Burchwell, J. Sminchak, J. Gerst, M. Moody, Battelle Memorial Institute
- 11:30 177311 Simulation of Cement Slurry Flow to Assess the Potential for Voids and Channels in Wellbore Cementing Processes: M. Grasinger, Z. Li, A. Vuotto, J. Brigham, A. Iannacchione, J. Vandenbossche, University of Pittsburgh

12:15 – 1:15pm

**SE01 Keynote Luncheon Speaker
SPE 2016 President, Nathan Meehan will
present the keynote address.
MEC Exhibit Hall**

Technical Sessions

Wednesday, 14 October 2015



1:30 – 5:00pm: Salon A-D

Session 2A: Drilling and Production

Session Chairperson(s):

Matt Smith, USA Compression

Bob Laughner, Chief Oil and Gas

- 1:30
177313 Real time Prediction and Classification of Torque and Drag during Drilling using Statistical Learning Methods: C. Hegde, S. Wallace, K. Gray, The University of Texas At Austin
- 2:00
177294 Impact of Drilling With Oil Based Mud on Well Control in Horizontal Shale Gas Wells: T.A. Elshehabi, I. Bilgesu, West Virginia University
- 2:30
177293 Production Analysis using Rate Transient Analysis: H. Belyadi, S. Yuyi, Consol Energy; J. Junca-Laplace, Noble Energy Inc.
- 3:00
Coffee Break
- 3:30
177300 Production Decline Models: A Comparison Study: Tariq A. Ali, Chesapeake Energy; James J. Sheng, Texas Tech University
- 4:00
177284 First Application of Cemented Sliding Sleeves with degradable Drop Ball Technique Optimizes Horizontal Multi-Stage Fracturing Operations in the Middle East: Egypt Western Desert Case Study: M. Salah, Khalda Petroleum Company; M. ElSebaee, P. Raouf, A. Keshishian, Schlumberger
- 4:30
177320 Production Analysis of a Shale Gas Reservoir Using Modified Deconvolution Method in the Presence of Sorption Phenomena: J. Kim, Y. Jang, Hanyang University; T. Ertekin, Pennsylvania State University; W.M. Sung, Hanyang University

1:30 – 5:00pm: Salon E-H

Session 2B: Shale

Session Chairperson(s):

John Cramer, CJ Energy Services

Chris Shea, Keyrock Energy LLC

- 1:30
177297 Comparing Strategies for Optimizing Horizontal Shale Completions by Projecting Pilot Well Measurements across Laterals: L. Xu, M. Yates, O. Anifowoshe, N. Uschner-Arroyo, Y. Yang, K. MacPhail, Schlumberger
- 2:00
177299 Evaluation Of The Effect Of Stress dependent Permeability On Production Performance In Shale Gas Reservoirs: T.A. Ali, Chesapeake Energy; J.J. Sheng, Texas Tech University
- 2:30
177285 Impact of Nanoscale Pore Confinement on Estimation of Gas Resources and Gas/ Condensate Behavior in Shale Reservoirs: E.M. Allawe, South Oil Company-Iraq; A.P. Stockdale, K.K. Aminian, S. Ameri, West Virginia University
- 3:00
Coffee Break
- 3:30
177290 Efficient Semi-Analytical Engine for Performance Prediction of Unconventional Reservoirs: F. Olalotiti-lawal, Texas A&M University; T. Friedel, Kostro & Friedel
- 4:00
177283 Evaluation of Enhanced Condensate Recovery Potential in Shale Plays by Huff-n-Puff Gas Injection: X. Meng, J.J. Sheng, Y. Yu, Texas Tech University
- 4:30
177286 A Simulation Model for Accurate Prediction of Uneven Proppant Distribution in the Marcellus Shale Coupled with Reservoir Geomechanics: S. Yang and Z. Chen, University of Calgary; Y. Wei, Computer Modeling Group Ltd.; and K. Wu, L. Shao, and W. Wu, University of Calgary