

Monday, 16 April 2018, 0830–1000

01 Plenary Session

Room 1

Mark Holtz, GE Global Research

Monday, 16 April 2018, 1030–1200

02 Viscous and Heavy Oil I

Room 1

Roman Berenblyum, Intl Research Inst of Stavanger

Julian Barnes, Shell Global Solutions

- 1030 190236 Modeling Wettability Change in Sandstones and Carbonates Using a Surface-Complexation-Based Method
A. Kazemi Nia Korrani, BP America Inc; G.R. Jerauld, BP
- 1100 190174 De-risking Alaskan Viscous Oil: Study, Field Trial Plans, and Challenges for Improving Recovery via IOR/EOR
A. Garg, Petrotechnical Resources Alaska; F.A. Paskvan, BP plc; G. Jerauld, BP Houston; T.L. Gould, Intl. Reservoir Technologies; R. Skinner, IRT
- 1130 190290 Laboratory Studies of Ternary Surfactant Formulation for EOR in Oil-Wet, High-Temperature Carbonate Formations
M. Puerto, J.L. Lopez-Salinas, M.G. Jian, G.J. Hirasaki, C.A. Miller, Rice University

Alternate

- 190190 Reducing Uncertainty at the Chichimene In situ Combustion Pilot by means of a Nitrogen Connectivity Test
M.L. Trujillo Portillo, E. Niz Velasquez, Ecopetrol SA; C. Delgadillo, ECOPETROL S.A; Y.P. Claro Perez, E. Rodriguez, Ecopetrol SA; R. Rojas, ECOPETROL S.A
- 190178 Evaluation of Viscosity Loss of Viscosified Brine Solutions Due to Shear Degradation in Distribution System Components
T.P. Theriot, D.A. ALEXIS, H. Linnemeyer, Chevron ETC; T. Malik, Chevron Corporation; C. Perdue, Jr., Chevron ETC; V. Dwarakanath, Chevron Corporation

03 Conformance

Room 2

Eric Delamaide, IFP Technologies Canada Inc.

- 1030 190256 Solvent Leakoff during Gel Placement in Fractures: Extension to Oil-Saturated Porous Media
B. Brattekas, The National IOR Centre of Norway, Dept. of Petroleum Technology, University of Stavanger; G. Ersland, University of Bergen; R.S. Seright, New Mexico Inst-Mining & Tech

- 1100 190275 Smart Gels for Conformance Improvement in Waterflooding
C. Temizel, Aera Energy LLC-EBS
- 1130 190164 A Three Decades Review for Responses of Injection Well Gel Treatments
M.N. Aldhaeri, Missan Oil Company; M. Wei, B. Bai, Missouri University of
Science & Tech

Alternate

- 190266 Performance of Conformance Gels Under Harsh Conditions
M.O. Unomah, Chevron Corporation; R.G. Shong, Chevron; J.F. App, Chevron
Corporation; D. Kim, Chevron ETC; T. Malik, V. Dwarakanath, Chevron
Corporation

04 Chemical EOR I

Room 3

Vladimir Alvarado, University of Wyoming

Julian Barnes, Shell Global Solutions

- 1030 190296 Surfactant Flooding in Offshore Environments
J.G. Southwick, Shell Global Solutions N.V.; A. Abdul Manap, PETRONAS
Research Sdn Bhd; C. van Rijn, Shell Global Solutions N.V.; E. Van Den Pol, D.W.
Van Batenburg, Shell Global Solutions International BV; A. Kalantar Mastan, N.
Zulkifli, Group Research and Technology PETRONAS
- 1100 190306 An Update on Full Field Implementation of Chemical Flooding in Daqing Oilfield,
China, and Its Future
S. Yin, Missouri University of Science and Technology; H. Pu, University of North
Dakota
- 1130 190297 Deployment of Large Scale Surfactant Manufacture for EOR Projects
J.R. Barnes, Shell Global Solutions; D. Covin, Shell Chemical Company; L. Crom,
M. Doll, T. King, Shell Global Solutions US Inc; P. Kunkeler, Shell Chemicals
Europe B.V.; D. Perez Regalado, Shell Global Solutions International BV

Alternate

- 190189 Core Scale Simulation of Spontaneous Solvent Imbibition from HPAM Gel
P. Andersen, University of Stavanger; A. Lohne, Intl Research Inst of Stavanger;
A. Stavland, International Research Institute of Stavanger (IRIS); A. Hiorth,
Department of Petroleum Engineering, University of Stavanger; B. Brattekas,
the National IOR Centre of Norway, Dept. of Petroleum Engineering, University
of Stavanger

05 Foams in EOR

Room 4

Eduardo Manrique, PDVSA Intevep

David Levitt, Abu Dhabi Marine Operating Co.

- 1030 190259 Ultralow-Interfacial-Tension Foam Injection Strategy Investigation in High Temperature Ultra-High Salinity Fractured Carbonate Reservoirs
P. Dong, M. Puerto, G. Jian, Rice University; K. Ma, K. Mateen, G. Ren, Total E&P USA; G. Bourdarot, D.C. Morel, Total SA; S.L. Biswal, G.J. Hirasaki, Rice University
- 1100 190210 Foam Generation By Capillary Snap-off In Flow Across A Sharp Permeability Transition
S.Y. Shah, K.A. Wolf, Delft University of Technology; R. Pilus, University Teknologi PETRONAS; W.R. Rossen, Delft University of Technology
- 1130 190179 Improving CO2 Foam for EOR Applications Using Polyelectrolyte Complex Nanoparticles Tolerant of High Salinity Produced Water
N. Nazari, J. Tsau, R. Barati Ghahfarokhi, University of Kansas

Alternate

- 190302 Foaming Behavior of CO2-Soluble, Viscoelastic Surfactant in Homogenous Porous Media
G. Ramadhan, Q.P. Nguyen, The University of Texas At Austin

06 Reservoir/Characterization/Simulation Tight Oil

Room 5

Carmen Hinds, Chevron Africa & Latin America E&P

Elio Dean, Colorado School of Mines

- 1030 190201 Understanding the Oil Recovery Mechanism in Mixed-Wet Unconventional Reservoirs: Uniqueness and Challenges of Developing Chemical Formulations
B. Barzegar Alamdari, T. Hsu, D.T. Nguyen, M. Kiani, M. Salehi, Nalco Champion
- 1100 190214 Underlying Mechanisms of Tight Reservoir Wettability and its Alteration
P. Luo, P.P. Nakutnyy, Saskatchewan Research Council
- 1130 190234 Feasibility of CO2-EOR in Shale-Oil Reservoirs Based on a Laboratory Database
D.K. Alfarge, Missouri University of Science & Tech; M. Wei, B. Bai, Missouri University of Science & Tech

Alternate

- 190318 Application of Surfactant Blends in Shale Chemical EOR at High Temperatures
K.K. Mohanty, T. Zeng, C.S. Miller, The University of Texas At Austin

Monday, 16 April 2018, 1330–1700

07 Unconventional Oil EOR I

Room 1

Birol Dindoruk, Shell International E&P Co.

William Obrien, Permian Resources, LLC

- 1330 190305 Diffusion-Dominated Proxy Model for CO₂ Huff'n'Puff in Ultra-Tight Oil Reservoirs
M.B. Cronin, H. Emami Meybodi, R.T. Johns, Pennsylvania State University
- 1400 190226 Gas Injection EOR in Niobrara and Codell Using a Dual-porosity Compositional Model
Y.D. Ning, H. Kazemi, Colorado School of Mines
- 1430 190304 Optimizing CO₂ and Field Gas Injection EOR in Unconventional Reservoirs Using the Fast Marching Method
A. Iino, Texas A&M University (PE DEPT); A. Datta-gupta, Texas A&M University
- 1530 190277 Mechanistic Study for Applicability of CO₂-EOR in Unconventional Liquids Rich Reservoirs
D.K. Alfarge, Missouri University of Science & Tech; M. Wei, B. Bai, Missouri University of Science & Tech
- 1600 190323 CO₂ Injection for EOR in Organic Rich Shale: An Experimental Study
F.D. Tovar, Texas A&M University (PE DEPT); M.A. Barrufet, D.S. Schechter, Texas A&M University
- 1630 190244 The Impact of Heterogeneity on Phase Behavior Modeling in Unconventional EOR
A. Venkatraman, ReserMine Technology Solutions LLC; B. Dindoruk, Shell International E&P Co.

Alternate

- 190188 A Systematic Approach for Upscaling of the EOR Results from Lab-scale to Well-scale in Liquid-Rich Shale Plays
R. Ghanbarnezhad Moghanloo, The University of Oklahoma; D. Davudov, A. Tinni, University of Oklahoma
- 190280 Assessment of CO₂, Methane and Nitrogen Flooding in Ultra Tight Formation: A Bakken Case Study
B.N. Yolo, University of North Dakota

08 Reservoir Management

Room 2

Dane Cantwell, KA Energy Partners

Mark Wilkins, Devon Energy Production Co. LP

- 1330 190161 Modeling CO₂ Partitioning at a Carbonate CO₂-EOR Site: Permian Basin Field (SACROC Unit)
P. Hosseininoosheri, S. Hosseini, V. Nunez, Bureau of Economic Geology; L.W. Lake, The University of Texas at Austin
- 1400 190206 Learning Reservoir Dynamics Metrics of Improved Oil Recovery Projects by Harnessing Real-Time Analysis and Data Analytics
A.C. Ordonez Bustamante, Z. Reza, University of Oklahoma; S. Kabir, University of Houston
- 1430 190295 Risk Management of Miscible Gas Flooding in Asphaltic Reservoirs
A. Abouie, The University of Texas at Austin; H. Darabi, Quantum Reservoir Impact LLC; K. Sepehrnoori, The University of Texas At Austin
- 1530 190182 Three-phase Coning Solution to Steady-state Flow for Multiple Wells Under Vertical Equilibrium
E. Ahn, The Pennsylvania State University; C. Phaiboonpalayoi, PCEP Energy Solutions; R.T. Johns, The Pennsylvania State University
- 1600 190239 Fast Evaluation of WAG Injection Parameters in Heterogeneous Models Using Machine Learning
A. Nwachukwu, The University of Texas at Austin; H. Jeong, Bureau of Economic Geology; L.W. Lake, The University of Texas At Austin
- 1630 190264 Case Studies for Characterization of Waterflood-Induced Fracture in Tight Reservoir through Pressure-Transient Analysis
Y. Wang, Pennsylvania State University; S. Cheng, University of Petroleum China Beijing; K. Zhang, Shengli Oilfield; Y. He, Texas A&M University; J. Qin, University of Petroleum China Beijing; L. Luo, China University of Petroleum - Beijing; H. Yu, University of Petroleum China Beijing

Alternate

- 190268 CO₂-EOR Development Guidelines for Brown Field Residual Oil Zones in A Fluvial Sandstone
F. Yang, R.T. Okwen, N. Webb, N. Grigsby, S.M. Frailey, Illinois State Geological Survey
- 190227 Characterization of Gas Swept-Zone Evolution Using Pressure Pulse Testing
M. Shakiba, The University of Texas At Austin; S. Hosseini, Bureau of Economic Geology

09 Polymer

Room 3

Matthew Balhoff, The University of Texas At Austin

Arne Skauge, Ctr for Integrated Petr Research

- 1330 190159 Successful Field Trial of a Novel Reservoir-Triggered Polymer: Results, Interpretation, and Simulation
B. Rashid, J. Stapley, D. Chappell, BP Exploration; W. Andrews, M. Kiani, TIORCO; P.J. Clifford, BP Exploration
- 1400 190321 Beneficial Relative Permeabilities for Polymer Flooding
R.S. Seright, New Mexico Inst-Mining & Tech; N. Lerner, A. Nguyen, J. Sabid, R. Tochor, Cona Resources LTD
- 1430 190293 Universal Viscosifying Behavior Of Acrylamide-based Polymers Used In Eor - Application For Qa/qc, Viscosity Predictions And Field Characterization
S. Jouenne, B. Levache, M. Questel, M. Joly, G. Heurteux, C. Hourcq, TOTAL E&P
- 1530 190216 Chemical EOR Under Harsh Conditions: A Viable Commercial Solution
M. Kadhum, Cargill, Inc.; T. Jensen, Cargill, Inc; B. Kozlowicz, E.S. Sumner, J. Malsam, R. Ravikiran, Cargill Inc.
- 1600 190217 Conditioning Polymer Solutions for Successful Transport in Tight Reservoir Rocks
J. Driver, C. Britton, R.G. Hernandez, D. Glushko, M. Delshad, Ultimate EOR Services
- 1630 190184 Sulfonated Polyacrylamides - Evaluation Of Long Term Stability By Accelerated Aging At Elevated Temperature
L. Nurmi, Kemira; K. Sandengen, Statoil; S. Hanski, Kemira; P. Molesworth, SINTEF Materials and Chemistry

Alternate

- 190328 Experimental Investigation of Cross-flow in Stratified Reservoirs During Polymer Flooding
M.H. Alshawaf, S. Krevor, A.H. Muggeridge, Imperial College London
- 190200 A New Thermally Stable Synthetic Polymer for Harsh Conditions of Middle East Reservoirs: Part II. NMR and Size Exclusion Chromatography to Assess Chemical and Structural Changes During Thermal Stability Tests
S. Jouenne, D.C. Morel, G. Bourdarot, TOTAL E&P; L. RODRIGUEZ, B. GRASSL, IPREM; S. Antignard, B. Giovannetti, G. Dupuis, N. Gaillard, SNF Floerger; A. Zaitoun, POWELTEC

10 Gas Injection Process I

Room 4

Samad Fassihi, BHP Billiton

Bor Jier Ben Shiau, University of Oklahoma

- 1330 190255 Coupled Capillary Pressure and Relative Permeability Using an Equation-of-State Approach
L. Li, The Pennsylvania State University; R.T. Johns, Pennsylvania State University
- 1400 190241 High Pressure Diffusion Study - Laboratory and History Match Results
T. Yang, N. Cheng, O.S. Hustad, G.H. Grinestaff, G. Saigal, Statoil ASA
- 1430 190181 A Comprehensive Experimental Investigation of the Effect of Gas and Water Slug Size, Order of Fluid Injection, and Injection Strategy on the Performance of WAG Injection
B.A. Alkhazmi, Centre for Enhanced Oil Recovery and CO2 Solutions, Heriot-Watt University, Edinburgh, UK; M. Sohrabi, S. Farzaneh, Heriot-Watt University
- 1530 190269 A New Way Of Compositional Simulation Without Phase Labeling
S. Khorsandi, L. Li, R.T. Johns, Pennsylvania State University
- 1600 190193 Waterflood Forecasting for More Accurate EOR Performance Evaluation
S. Behzadi, Occidental E&P Co.; D.W. Hampton, OXY USA Inc.
- 1630 190183 The Impact of Gas Gravity Drainage on Operating Pressure in a Miscible Flood
I. Adel Abdelraouf, Texas A&M University (PE DEPT); D.S. Schechter, Texas A&M University

Alternate

- 190294 Viscous Fingering in Heterogenous Reservoirs With Long Aspect Ratios
S. Abdul Hamid, A.H. Muggeridge, Imperial College London
- 190303 Best Practices for Laboratory Evaluation of Immiscible WAG
Y.C. Araujo De Itriago, SGS North America Inc.; M. Araujo, Consultant; J. Molinaris, SGS North America

11 Field Case Histories I

Room 5

Edward Behm, Oxy Oil & Gas Corp

Betty Felber, Consultant

- 1330 190326 Development of a Field Scale Polymer Project in Argentina
A. Hryc, F. Hochenfellner, R. Ortíz Best, S. Maler, P. Freedman, Pluspetrol SA
- 1400 190175 Results of the UK Captain Field Interwell EOR Pilot
A. Poulsen, Chevron Upstream Europe; V. Dwarakanath, A. Jackson, Chevron Corporation; N.H. Ruby, Chevron Upstream Europe; S. Thach, Chevron Corporation; G.M. Shook, SPE

- 1430 190205 Implementing Field Pilot Project for Selective Polymer Injection in Different Reservoirs
L. Del Pozo, W. Daparo, CAPSA; G. Fernández, Tassaroli SA; J. Carbonetti, Tassaroli
- 1530 190233 Polymer Flood Field Implementation - Pattern Configuration and Horizontal versus Vertical Wells
M. Sieberer, T. Clemens, J. Peisker, S. Ofori, OMV Upstream
- 1600 190228 Design, History Matching and Utility of a Simulation Model for a Polymer Pilot
A. Thompson, L.A. Martino, S. Gandi, YPF SA
- 1630 190218 EOR Polymer Selection in South of Oman fields - An Integrated workflow from Lab to field
T.J. Al-aulaqi, Petroleum Development Oman; R. Al-Mamari, A. Mansour, M. Souah, Sultan Qaboos University

Alternate

- 190197 Upscaling the Non-Newtonian Flow Behaviour of the Polysaccharide Schizophyllan- Field Case Study in Northern Germany
D.C. Raharja, Clausthal University of Technology; D. Prasad, C. Mittelbach, A. Behr, Wintershall Holding GmbH; R.E. Hincapie, Clausthal University of Technology
- 190253 Evaluation of Polymer Flooding Performance using Water-Polymer Interference Factor for an Offshore Oilfield in Bohai Gulf: A Case Study
G. Yang, X. Li, University of Kansas

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12 Low Saliity

Room 1

Vladimir Alvarado, University of Wyoming

Varadarajan Dwarakanath, Chevron

- 0830 190199 Low-Salinity Per-Pattern Flood Management
F.F. Hingerl, R.P. Batycky, M.R. Thiele, Streamsim Technologies, Inc.
- 0900 190191 Effect of Low Salinity Waterflooding on the Chemistry of the Produced Oil
I.R. Collins, J.W. Couves, M. Hodges, BP Exploration; E.K. McBride, BP Exploration Co. Ltd.; C. Pedersen, BP; P.A. Salino, BP plc; C. Wicking, BP; K.J. Webb, BP Exploration; H. Zeng, BP
- 0930 190215 Novel Insights Into Low Salinity Water Flooding Enhanced Oil Recovery in Sandstone With/Without Clays
H. Alsaedi, Missouri University of Science and Technology/ Missan Oil Company; P.V. Brady, Sandia National Laboratories; R.E. Flori, P. Heidari, Missouri University of Science & Tech

Alternate

- 190276 Effect of Low Salinity Waterflooding on Sweep Efficiency in Multilayered Clay-Rich Sandstone Reservoirs
S.S. Abdelmoneim, Texas A & M University; H.A. Nasr-El-Din, Texas A&M University

13 Reservoir Characterization/Simulation I Room 2

Mark Wilkins, Devon Energy Production Co. LP

Marco Thiele, Streamsim Technologies, Inc.

- 0830 190317 Versatile DNA-based Particle Tracers For Oil Reservoir Monitoring
G. Mikutis, M. Puddu, Haelixa; M. Curren, D. Parmenter, Clariant Corporation; A. Kaiser, Clariant Oil Services
- 0900 190324 Unstable Waterflood Performance Diagnostic Analysis Method
E. Tillerio, J.L. Mogollon, D. Gomez, Halliburton
- 0930 190300 An Integrated Flow-Geomechanical Analysis for Gas Mobility Control Technique during Coupled CO2 EOR and Storage in Cranfield
X. Lu, M. Lotfollahi, B. Ganis, The University of Texas At Austin; B. Min, Ewha Womans University; D.A. DiCarlo, M.F. Wheeler, The University of Texas At Austin
- 1030 190310 Relative permeability prediction from In Situ Imaged Fluid Distributions in mix wet core at the Pore Scale
s. zou, University of New South Wales, Sydney, Australia; F. Hussain, University of New South Wales; J. Arns, University of New South Wales, Sydney, Australia; C.H. Arns, University of New South Wales
- 1100 190320 Suppressing Frontal Instabilities and Stabilizing Miscible Displacements with Time-Dependent Rates at Nearly Zero Additional Costs
Q. Yuan, F. Zeng, University of Regina; K.D. Knorr, M. Imran, Saskatchewan Research Council
- 1130 190316 Assessing Productivity Impairment of Surfactant-Polymer EOR Using Laboratory and Field Data
M. Izadi, S.E. Vicente, J.F. Zapata Arango, C. Chaparro, J.A. Jimenez Gomez, Ecopetrol SA; H. Kazemi, Colorado School of Mines

Alternate

- 190307 Role of Aromatic Fraction of Crude Oils on In-Situ Combustion Performance
N.B. Ismail, Texas A&M University; E. Seber, PennState University; B. Hascakir, Texas A&M University
- 190329 Dynamic Field Rheology, Filterability and Injectivity Characterization using a Portable Measurement Unit
D.R. Espinosa, Chevron Corporation; D. Walker, D. Alexis, Chevron ETC; V. Dwarakanath, A. Jackson, Chevron Corporation; D. Kim, H. Linnemeyer, Chevron ETC; T. Malik, Chevron Corporation; D. McKilligan, P. New, A. Poulsen, Chevron Upstream Europe; G.A. Winslow, Chevron Corporation

14 Chemical EOR II

Room 3

Matthew Balhoff, The University of Texas At Austin

Torsten Clemens, OMV Exploration & Production GmbH

- 0830 190313 Use of Cross-Linked Polymer Systems to Improve Volumetric Sweep Efficiency and Alternative Full Field Development Strategy for a Mature Waterflooding Optimisation Processes - Dina Cretaceous Field Case.
J.M. Leon Hinestrosa, A.F. Castillo Mejia, R.H. Castro Garcia, Ecopetrol SA; G.A. Maya Toro, Ecopetrol S.A; M. Izadi, J.F. Zapata Arango, C. Chaparro, O.D. castillo Sanchez, A.M. Mendez Bohorquez, J.A. Jimenez Gomez, Ecopetrol SA
- 0900 190172 Boosting Oil Recovery in Unconventional Resources Utilizing Wettability Altering Agents: Successful Translation from Laboratory to Field
M. Kazempour, M. Kiani, D.T. Nguyen, M. Salehi, M. Lantz, Nalco Champion, an Ecolab Company; R. Longoria, J. Husebø, Statoil
- 0930 190286 EOR Survey in China-Part 1
H. Guo, China University of Petroleum, Beijing; F. Wang, China University of Petroleum, Beijing; R. Ma, Y. Li, D. Kong, China University of Petroleum, Beijing
- 1030 190168 Surfactant Pre-floods During CO₂ Foam for Integrated Enhanced Oil Recovery in Fractured Oil-Wet Carbonates
S.B. Fredriksen, Z.P. Alcorn, A. Frøland, A. Viken, A.U. Rognmo, G. Ersland, M.A. Fernø, A. Graue, University of Bergen
- 1100 190162 Modeling Polymer Enhanced Foam Flow In Porous Media Using An Improved Population-balance Foam Model
H. Luo, K. Ma, K. Mateen, Total E&P USA, Inc.; G. Ren, Total E&P USA; G. Bourdarot, Abu Dhabi Marine Operating Co.; D.C. Morel, Total SA
- 1130 190330 An Investigation of Retention and Unusually High Apparent Viscosity of Hydrophobically Associative Polymer in Porous Media
G. Zhang, New Mexico Petroleum Recovery Research Center; J. Yu, Z. Chen, New Mexico Petroleum Recovery Research Center; I. Kurnia, Petroleum Recovery Research Center; X. Han, New Mexico Petroleum Recovery Research Center

Alternate

- 190229 Testing The Resilience Of The Rod-like Biopolymer Schizophyllan To Various Types Of Mechanical Stressing
G. Incera Garrido, Wintershall Holding GmbH; F. Lehr, BASF SE; S. Mukherjee, D. Prasad, Wintershall Holding GmbH; P. Aditama, Wintershall Holdings GmbH; S. Reimann, Wintershall Holding GmbH; M. Ranft, BASF SE

- 190327 Preliminary Assessment Of A Polymer Flood Application To Improve Extra Heavy Oil Recovery At The Orinoco Basin. Petrocedeño, Venezuela
E.M. Vasquez, Petroleos de Venezuela S.A.; A.E. RAMIREZ, PDVSA
PETROCEDEÑO; N.M. Reyes, Petroleos de Venezuela S.A.; R. Alvarez, PDVSA
PETROCEDEÑO

15 WAG - State of the Art

Room 4

Jacqueline Roueche, Lynxnet LLC

David Smith, ConocoPhillips Co

- 0830 -null- Water and Gas Injectivity: How do they Differ and Why? - Does Field Data Confirm Lab Data?
M.A. Linroth, Kinder Morgan Inc.
- 0830 -null- WAG Flood Surveillance - Data Monitoring and Collection: What is critical to Collect? - How should you use the Data?
E. Mastny, BP
- 0830 -null- Facilities Considerations: What are the Key Attributes of Designing a Good Facility for a WAG Operation?
R.K. Wackowski, Wackowski Consulting LLC
- 0830 -null- Well Treatments for Inflow Performance: How is Stimulation Used in a WAG Flood? Should we Focus on Injectors or Producers?
D. D'Sousa, Independent
- 0830 -null- Conformance Control: How and When do you use Existing Wellbore Interventions vs. Pattern Reconfiguration, Infill Drilling and/or Pattern Production Balancing?
D.D. Smith, ConocoPhillips Co
- 0830 -null- Application of Simulation and Dimensionless Curves: When is it more Appropriate to use Full Stimulation vs. Pattern Dimensionless Type Curves?
D.W. Hampton, OXY USA Inc.

16 Field Case Histories II

Room 5

Sunil Kokal, Saudi Aramco PE&D EXPEC ARC

David Levitt, Abu Dhabi Marine Operating Co.

- 0830 190248 Miscible Hydrocarbon GOGD Pilot in the Yates Field Unit
R. Valdez, S.P. Pennell, A. Cheng, T. Farley, P.A. Boring, Kinder Morgan CO2 Co. LP
- 0900 190312 CO2 Foam Field Pilot Test in Sandstone Reservoir: Post Pilot Analysis
P.D. Patil, T. Knight, Dow Chemical Co.; A. Katiyar, The Dow Chemical Co Ltd;
P. Vanderwal, Dow Chemical Co.; J. Scherlin, Fleur De Lis Energy LLC; P.M. Rozowski, Dow Oil & Gas; M. Ibrahim, O.M. Gurpinar, Schlumberger; Q.P. Nguyen, The University of Texas At Austin

- 0930 190308 Pilot Scale CO2 EOR at Wellington Filed in South Central Kansas
Y. Holubnyak, W.L. Watney, J. Rush, Kansas Geological Survey; D.G. Wreath, Berexco LLC; F. Fazelalavi, University of Kansas; J. Hollenbach, T. Bidgoli, Kansas Geological Survey
- 1030 190173 Cyclic Steam Stimulation Enhanced with Nitrogen
E.M. Trigos, Mansarovar Energy Colombia Ltd; E. Lozano, Mansarovar Energy; A. Jimenez, Ecopetrol S.A.
- 1100 190230 Screening for EOR and Estimating Potential Incremental Oil Recovery on the Norwegian Continental Shelf
P.C. Smalley, A.H. Muggeridge, Imperial College London; M. Dalland, O.S. Helvig, E.J. Hognesen, M. Hetland, A. Østhus, Norwegian Petroleum Directorate
- 1130 190157 Optimal Design Coupling with Uncertainty Risk Management of CO2 Flood Operations at the Farnsworth Unit, Texas
B. Yuan, University of Oklahoma; T. Gao, R. Klenner, Baker Hughes, a GE Company Oil & Gas Technology Center; N. Iyer, General Electric Co.; S.H. Azzaro, S. Mukhopadhyay, Baker Hughes, a GE Company Oil & Gas Technology Center

Alternate

- 190261 Interactions of Cold Lake bitumen with CO2, propane and butane: An experimental and modelling study
S. Eghbali, H. Dehghanpour, University of Alberta; J.M. Dragani, X. Zhang, Cenovus Energy Inc

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17 Viscous and Heavy Oil II

Room 1

Paul Bondor, Bontech

Felix Ascanio, Shell Intl. E&P BV

- 1330 190219 Creation of Insitu EOR Foams by the Injection of Surfactant in Gas Dispersions - Lab confirmation and Field Application.
A.A. Ocampo-florez, Equion Energia Limited; A. Restrepo, EQUION ENERGIA LTD; S.H. Lopera, J.M. Mejia, Universidad Nacional De Colombia
- 1400 190278 A Continuous and Robust Viscosity Model Using an Equation-Of-State for Microemulsion Phase Behavior
P. Khodaparast, R.T. Johns, Pennsylvania State University
- 1430 190311 The Onset of Spontaneous Imbibition: How Irregular Fronts Influence Imbibition Rate and Scaling Groups
T.L. Foyen, Dept. of Physics and Technology, University of Bergen; B. Brattekas, The National IOR Centre of Norway, Dept. of Petroleum Engineering, University of Stavanger; M.A. Ferno, Dept. of Physics and Technology, University of Bergen

- 1530 190287 Impact of Brine Chemistry on Oil Recovery: Corefloods and Recovery Mechanisms
B. Aminzadeh, G. Tang, Chevron ETC; M. Villegas, Chevron GOM; M. Valjak, A. Inouye, Chevron Corporation; J. Kamath, Chevron ETC
- 1600 190207 Extension Of HID-NAC Flash Calculation Algorithm To Multicomponent Microemulsion Mixtures
S. Khorsandi, R.T. Johns, Pennsylvania State University
- 1630 190237 In-depth experimental studies of Low-Tension Gas (LTG) in High Salinity and High Temperature sandstone reservoir
G. Ren, Total E&P Research & Technology USA LLC; M.N. Nguyen, Ho Chi Minh City University of Technology; K. Mateen, K. Ma, Total E&P USA, Inc.; G. Bourdarot, Abu Dhabi Marine Operating Co.; D.C. Morel, Total SA; Q.P. Nguyen, The University of Texas At Austin

Alternate

- 190180 Exploring the Upper Limit of Oil Viscosity for Polymer Flood in Heavy Oil
E. Delamaide, IFP Technologies Canada Inc.
- 190195 EOR Potential in the Post Steam Injection Era: Current and Future Trends
D. Xiaohu, H. Liu, China University of Petroleum-Beijing; Z. Chen, University of Calgary

18 Reservoir Characterization/Simulation II

Room 2

Marco Thiele, Streamsim Technologies, Inc.

Stephen Guillot, Denbury Resources Inc.

- 1330 190242 Simulation of Condensate Blockage in Tight Reservoirs using Rigorous Petrophysical and Thermodynamic Models to Account for Capillary Pressure
S.S. Neshat, R. Okuno, G.A. Pope, The University of Texas At Austin
- 1400 190301 Estimation of Capillary Pressure and Relative Permeability from Downhole Advanced Wireline Measurements for Waterflooding Design
A. Hadibeik Nishaboori, Halliburton; M.A. Al-rushaid, H. Al-Rashidi, M. Ahmad, Kuwait Oil Company; M. Azari, M. Kalawina, S. Ramakrishna, A. Daik, Halliburton
- 1430 190246 Effect of Nano-Scale Pore Size Distribution on Fluid Phase Behavior of Gas IOR in Shale Reservoirs
S. Luo, H. Nasrabadi, J. Lutkenhaus, Texas A&M University
- 1530 190166 High Throughput Coreflood Experimentation As A Tool For EOR Project Design.
S. Youssef, M. Mascle, IFPEN; O. Vizika, IFP Energies Nouvelles

- 1600 190267 Co-current Spontaneous Imbibition in Porous Media with the Dynamics of Viscous Coupling and Capillary Backpressure
P. Andersen, University of Stavanger, The National IOR Center of Norway; Y. Qiao, University of Stavanger; D.C. Standnes, Statoil ASA; S. Evje, University of Stavanger, The National IOR Center of Norway
- 1630 190223 X-Ray Micro-Focus Monitoring of Water Alternating Gas Injection in Heterogeneous Formations
J.S. Luo, X. Chen, D. Espinoza, Q.P. Nguyen, University of Texas At Austin

Alternate

- 190694 A New Mathematical Model of Solvent-SAGD Process- Importance of Heat and Mass Transfer
Z. Zargar, University of Calgary; S.S. Farouq Ali, H.O.R. Tech Ltd
- 190695 Simulation of in-situ Upgrading Process: Numerical Interpretation of Experiments and Study of Low-Energy Intensive Patterns for a Pilot Test
A. Perez-Perez, CHLOE (ADERA); M. Mujica Chacin, ADERA/CHLOE; I. Bogdanov, CHLOE (ADERA); A. BRISSET, Centre Scientifique et Technique Jean Féger (CSTJF)

19 ASP

Room 3

Andrew Worthen, Exponent, Inc.

Tony Panqing Gao, GE Global Research

- 1330 190154 Results of Alkaline-Surfactant-Polymer flooding Pilot at West Salym Field
Y. Volokitin, M. Shuster, Salym Petroleum Development; V. Karpan, Salym Petroleum Development N.V.; I. Koltsov, E. Mikhaylenko, M. Bondar, A. Rakitin, Salym Petroleum Development; D.W. Van Batenburg, Shell Global Solutions International BV; A.R. Parker, Shell International E&P Co.; A. de Kruijf, Koninklijke Shell E&P Lab; J.G. Southwick, Royal Dutch/Shell Group; J. de Reus, Shell Gloval Solutions International; E. Van Den Pol, Shell Global Solutions International BV; D.A. Wever, Shell Prospectg/Devel. Peru; F. Van Der Heyden, Shell International E&P Co.
- 1400 190231 Alkaline Surfactant Polymer (ASP) Process for Shaley Formation with Pyrite
G.J. Hirasaki, Rice University; D. Lei, East China University of Petroleum; M.J. Puerto, C. Miller, Rice University; S. Shaochun, SINOPEC
- 1430 190232 Novel Surfactants without Hydrocarbon Chains for Chemical EOR
K.K. Mohanty, H. Sharma, K.K. Panthi, P. Ghosh, U.P. Weerasooriya, The University of Texas At Austin
- 1530 190292 Development of a Unique ASP Formulation for Basin-Wide Deployment
R. Fortenberry, E. Trine, P.T. Suniga, C. Britton, M. Delshad, Ultimate EOR Services

- 1600 190187 Extremely Low Surfactant Retention in ASP Floods of Limestones
M. Maubert, G.A. Pope, P.J. Liyanage, K.N. Upamali, L.Y. Chang, M. Tagavifar, The University of Texas At Austin; G. Ren, Total E&P USA; K. Mateen, K. Ma, Total E&P USA, Inc.; G. Bourdarot, Total; D.C. Morel, Total SA
- 1630 190169 Simulation Study of Scale Formation During ASP Flood in a Large Pilot Carbonate Field in the Middle East
A. Sanaei, The University of Texas At Austin; M. Delshad, Ultimate EOR Services; K. Sepehrnoori, The University of Texas At Austin

Alternate

- 190243 Ammonia as Alkali for High Acid Number Oils
J.G. Southwick, Royal Dutch/Shell Group; M. Brewer, S. Pieterse, Shell Global Solutions N.V.; E. Van Den Pol, Shell Global Solutions International BV
- 190271 ASP Flood after a Polymer Flood vs. ASP Flood after a Water Flood
K.K. Mohanty, A.S. Aitkulov, The University of Texas at Austin

20 Gas Injection Processes II

Room 4

Birol Dindoruk, Shell International E&P Co.

Samad Fassihi, BHP Billiton

- 1330 190322 Measuring Relative Permeability in Cores at Reservoir Pressures Using a Gravity Drainage Method
L.M. Churchwell, University of Texas At Austin; D.A. DiCarlo, The University of Texas At Austin
- 1400 190285 Immiscible Nitrogen Flooding in Bentheimer Sandstones: Comparing Gas Injection Schemes for Enhanced Oil Recovery.
M. Janssen, F. Azimi, P.L. Zitha, Delft University of Technology
- 1430 190192 In Situ Carbon Dioxide Generation for Improved Recovery: Part II. Concentrated Urea Solutions
S. Wang, B. Shiau, J. Harwell, University of Oklahoma
- 1530 190158 Comprehensive Review of Worldwide CO₂ Immiscible Flooding
N. Zhang, M. Wei, B. Bai, J. Pu, Missouri University of Science & Tech
- 1600 190257 High Pressure Gas EOR PVT Experimental Programs: Challenges in Measurements and Data Interpretations
H. Alboudwarej, Chevron ETC; J. Sheffield, Chevron ETC, Retired; M. Srivastava, S. Wu, L. Zuo, D. Zhou, A. Oghena, A. Inouye, Chevron ETC
- 1630 190288 Impact of Miscibility Enhancing Additives on the Flooding Scheme in CO₂ EOR Processes
R. Rommerskirchen, Sasol Germany GmbH; H. Bilgili, J. Fischer, T. Sottmann, University of Stuttgart

Alternate

- 190273 The Analysis of Compositional Effects on Global Flow Regimes in CO₂ Near Miscible Displacements in Heterogeneous Systems
G. Wang, G.E. Pickup, K.S. Sorbie, E.J. Mackay, Heriot-Watt University

- 190251 Enhancement of Vapor Oil Gravity Drainage (VOGD) In Fractured Reservoirs
B. Tang, N. Anand, B. Nguyen, The University of Texas At Austin; C. Sie, the; M. Verlaan, Shell; O. Castellanos Díaz, Canadian Natural Resources Ltd.; Q.P. Nguyen, The University of Texas At Austin

Tuesday, 17 April 2018, 1330–1500

21 Field Monitoring Surveillance

Room 5

Stephen Guillot, Denbury Resources Inc.

Dane Cantwell, KA Energy Partners

- 1330 190204 An Integrated CO₂ Foam EOR Pilot Program with Combined CCUS in an Onshore Texas Heterogeneous Carbonate Field
Z. Alcorn, S.B. Fredriksen, University of Bergen; M. Sharma, University of Stavanger; A.U. Rognmo, T. Føyen, M. Fernø, A. Graue, University of Bergen
- 1400 190317 Versatile DNA-based Particle Tracers For Oil Reservoir Monitoring
G. Mikutis, M. Puddu, Haelixa; M. Curren, D. Parmenter, Clariant Corporation; A. Kaiser, Clariant Oil Services
- 1430 190314 Surveillance Using Dimensionless Variables in the Mature Oil Field La Cira Infantas
L.K. Ramirez, Occidental de Colombia Inc.; V. Morales, Occidental de Colombia

Alternate

- 190170 Zone Identification and Oil Saturation Prediction in a Waterflooded Field: Residual Oil Zone, East Seminole Field, Texas, Permian Basin
J.N. Roueche, Lynxnet LLC; C.O. Karacan, USGS

Tuesday, 17 April 2018, 1530–1700

22 New or Combined Technologies

Room 5

Carmen Hinds, Chevron Africa & Latin America E&P

Sunil Kokal, Saudi Aramco PE&D EXPEC ARC

- 1530 190235 Oil Recovery by Alkaline-Surfactant-Foam (ASF) Flooding: Effect of Foam Quality on Oil Bank Propagation
M. Janssen, P.L. Zitha, Delft University of Technology; R. Pilus, Universiti Teknologi Petronas
- 1600 190254 A New Chemical EOR Surfactant Polymer Flood Model
C. Huang, G.S. Shiralkar, S. Abbas, G. Li, ConocoPhillips Co
- 1630 190163 Hybrid Process of Gas Injection and Downhole Water Sink-Assisted Gravity Drainage (GDWS-AGD) to Enhance Oil Recovery in Reservoirs with Infinite Edge and/or Bottom Water Drive
W.J. Al-Mudhafer, Louisiana State University (Petr. Eng. Dept)

Alternate

- 190153 New Predictive Structure-Property Model for Chemical EOR
L.Y. Chang, The University of Texas At Austin; S. Jang, University of Texas At Austin/Cmssm; G.A. Pope, The University of Texas At Austin

Wednesday, 18 April 2018, 0830–1200

23 Viscous and Heavy Oil III

Room 1

Paul Bondor, Bontech

Felix Ascanio, Shell Intl. E&P BV

- 0830 190265 Transitioning a Complex Thermal Field in South Oman from Cyclic Steam Stimulation to Steam Drive
A. AlWazeer, PDO; T.J. Al-aulaqi, Petroleum Development Oman
- 0900 190196 Modeling and Optimization of CoSolvent Assisted Chemical Flooding for Enhanced Oil Recovery in Heavy Oil Reservoirs
N.T. Nguyen, University of Calgary; C.T. Dang, L.X. Nghiem, Computer Modelling Group Ltd.; Z. Chen, University of Calgary; C. Yang, Computer Modelling Group Ltd.
- 0930 190224 An Experimental Study of Emulsion Flow in Alkaline Solvent Coinjection with Steam for Heavy-Oil/Bitumen Recovery
K. Sheng, F.J. Arguelles, K. Baek, R. Okuno, The University of Texas At Austin
- 1030 190194 Polymer Oil Recovery Experiments in Different Geometries for Improved Upscaling of Viscous Oil Reservoirs
V. Lee, S. Doorwar, V. Dwarakanath, T. Malik, W.S. Slaughter, Chevron Corporation
- 1100 190270 Coupling Heat and Mass Transfer in Oil Sands for Expanding-Solvent Steam Assisted Gravity Drainage
H. Liu, L. Cheng, S. Huang, China University of Petroleum-Beijing; J. Xu, The University of Tulsa
- 1130 190263 Laboratory Evaluation of Novel Surfactant for Foam Assisted Steam EOR method to Improve Conformance Control for Field Applications
B. MUKHERJEE, THE DOW CHEMICAL; P.D. Patil, Dow Chemical Co.; M. GAO, W. MIAO, THE DOW CHEMICAL COMPANY; P.M. Rozowski, Dow Oil & Gas

Alternate

- 190186 Application of multi-well steam injection and CO2 technology in Heavy Oil Production, Liaohe Oilfield
F. Jin, CNPC Drilling Research Institute

24 Unconventional Oil EOR II

Room 2

Edward Behm, Oxy Oil & Gas Corp

William O'Brien, Nitec, LLC

- 0830 190299 Compositional Modeling for Ethane-Rich Enhanced Oil Recovery in Shale Reservoirs: Application to Eagle Ford Formation
I. Uzun, H. Kazemi, Colorado School of Mines
- 0900 190279 Performance of Air- vs. CO₂-Injection in a Tight, Light Oil Reservoir: A Laboratory Study
W.J. O'Brien, Nitec, LLC; R.G. Moore, S.A. Mehta, M.G. Ursenbach, University of Calgary
- 0930 190284 An Investigation on the Feasibility of Combined Refracturing of Horizontal Wells and Huff and Puff Gas Injection for Improving Oil Recovery from Shale Petroleum Reservoirs
A.R. Fragoso Amaya, University of Calgary; K. Selvan, Nexen Inc.; R. Aguilera, University of Calgary
- 1030 190221 Bakken IOR Model for a Pilot Injection Project
B. Hoffman, Montana Tech
- 1100 190185 Nuclear Magnetic Resonance Study on Oil Mobilization in the Shale Exposed to CO₂
H. Wang, Z. Lun, C. Lv, D. Lang, M. Luo, Q. Zhao, C. Zhao, Y. Qi, W. Pan, Sinopec
- 1130 190260 Improving the Performance of EOR in Unconventional Oil Reservoirs Using Advanced Completion Technology
M.R. Konopczynski, Tendeka Inc

Alternate

- 190238 Factors Affecting Interfacial Properties and Minimum Miscibility Pressures in Nanopores
K. Zhang, N. Jia, University of Regina
- 190289 Steam Injection in Tight Oil Reservoir
T.S. Ross, H. Rahnema, C. Nwachukwu, New Mexico Inst-Mining & Tech; O. Alebiosu, ConocoPhillips Co

25 Chemical EOR III

Room 3

Andrew Worthen, Exponent, Inc.

Torsten Clemens, OMV Exploration & Production GmbH

- 0830 190220 The Generation, Stabilization and Immigration Rules of Crude Oil Emulsion during the Process of Amphiphilic Polymer Flooding
Y. Lu, W. Kang, Z. Li, H. Feng, J. Jiang, H. Wu, China University of Petroleum (Beijing)
- 0900 190272 An Advanced ElectroChemical System for EOR Produced Water Desalination and Reduced Polymer Consumption
M. Man, Saltworks Technologies Inc; B. Sparrow, X. Yin, Saltworks Technologies Inc.

- 0930 190203 Effect of Low Salinity on Polymer Solution Characteristics and Rock-Fluid Interactions
E. Unsal, A.B. ten Berge, D.A. Wever, Shell Global Solutions International BV
- 1030 190298 A Computational Investigation of Seismic Wave Focusing as a Novel Means to Fracture Shale Reservoirs
Y. Jing, R. Younis, University of Tulsa
- 1100 190262 Scaling Analysis of the Impacts of Non-Isothermal Alkaline Hydrolysis on Polymer Flooding
M. Khelifa, Imperial College; A.H. Muggeridge, Imperial College London
- 1130 190225 An Experimental Investigation of Polymer Mechanical Degradation at cm and m Scale
S. Asen, A. Stavland, D. Strand, IRIS AS

Alternate

- 190258 A Systematic Study of the Effect of Plugging on Polymer Flooding in W Offshore Oilfield of Bohai Bay
B. Li, CNOOC Institute; W. Yu, Texas A & M University; X. Kang, Z. Jian, CNOOC Institute

26 Novel and Nanotech

Room 4

Charles Hammond, Flotek Chemistry LLC

Sunil Kokal, Saudi Aramco PE&D EXPEC ARC

- 0830 190281 New Atomic to Molecular Scale Insights on SmartWater Flooding Mechanisms in Carbonates
S. Chen, University of California at Santa Barbara; Y. Kaufman, Ben Gurion University of the Negev, Sede Boqer Campus; K. Kristiansen, D. Seo, A.M. Schrader, University of California at Santa Barbara; M.B. Alotaibi, Saudi Aramco PE&D; H.A. Dobbs, N.A. Cadirov, J. Boles, University of California at Santa Barbara; S.C. Ayirala, Saudi Aramco PE&D; J. Israelachvili, University of California at Santa Barbara; A.A. Yousef, Saudi Aramco PE&D
- 0900 190283 Mechanistic Study of a "Green" Nano-suspension in Enhanced Oil Recovery (EOR) using Macro and Micro Methods
B. Wei, Q. Li, J. Ning, Southwest Petroleum University; Y. Li, Missouri University of Science and Technology; W. Pu, F. Jin, Southwest Petroleum University; L. Kong, Shengli Oilfield, Sinopec
- 0930 190252 Novel Switchable Alkyl-amine Surfactants for CO2 Emulsion
L. Cui, A. Klimenko, F. Dubos, M. Lagorse, M. Bourrel, Total CSTJF
- 1030 190167 Novel Techniques for Interpreting Tracer Tests in Naturally Fractured Reservoirs
R.M. Dean, Chevron ETC; V. Dwarakanath, Chevron Corporation

- 1100 190171 A Novel Experimental Approach for Accurate Evaluation of Chemical EOR Processes in Tight Reservoir Rocks
S. Gautier, IFPEN; E. Chevallier, SOLVAY; T. Chevalier, L. Labaume, IFPEN; M. Chabert, SOLVAY
- 1130 190177 Surfactant Based EOR for Tight Oil Unconventional Reservoirs through Wettability Alteration: Novel Surfactant Formulations and their Efficacy to Induce Spontaneous Imbibition
P.D. Patil, N. Rohilla, Dow Chemical Co.; W. Yu, Dow Oil & Gas; A. Katiyar, The Dow Chemical Co Ltd; S. Falcone, Dow Chemicals; P.M. Rozowski, Dow Oil & Gas

Alternate

- 190325 Compositional Simulation of CO₂-EOR in Shale Oil Reservoirs with Nanopore Confinement and Complex Fracture Geometries
W. Yu, Texas A & M University; A. Varavei, K. Sepehrnoori, The University of Texas At Austin
- 190212 Nanoparticle-enhanced Alkaline Surfactant Flood to Unlock Heavy Oil
D. Arab, A. Kantzas, University of Calgary; S.L. Bryant, The University of Texas At Austin

27 Field Case Histories III

Room 5

Eric Delamaide, IFP Technologies Canada Inc.

Elio Dean, Colorado School of Mines

- 0830 190198 Application of Interwell Partitioning Tracers for Evaluating the Effectiveness of Chemical EOR in the Marmul Field in Oman: A Case Study
M. Chatterjee, S. Pugla, P. Hewitt, J.D. Spencer, Tracerco; S. Guntupalli, Petroleum Development Oman; Y. Svec, Shell International E&P Co.
- 0900 190213 A Multi-Well ASP Pilot in San Francisco: Design, Results and Challenges
D. Dueñas, Ecopetrol S.A.; J.A. Jimenez Gomez, J.F. Zapata Arango, Ecopetrol SA; L.C. Perdomo, Ecopetrol S.A.; J.M. Leon Hinestrosa, Ecopetrol SA
- 0930 190209 Identification, Problem Characterization, Solution Design and Execution for a Waterflood Conformance Problem in the Ekofisk Field - Norway.
G. Aamodt, ConocoPhillips Norway; S. Abbas, ConocoPhillips Inc; D.V. Arghir, L.C. Frazer, D.T. Mueller, ConocoPhillips Co; P. Pettersen, M. Prosvirnov, ConocoPhillips Norway; D.D. Smith, ConocoPhillips Co; T. Jespersen, Halliburton Co; A.A. Mebratu, Halliburton Co.
- 1030 190202 Field Demonstration Of A Low-retention Asp Strategy For Carbonate Reservoirs In Kuwait
R. Fortenberry, P.T. Suniga, M. Delshad, Ultimate EOR Services; D.S. Kamal, M. Al Murayri, Kuwait Oil Company; G.A. Pope, The University of Texas At Austin

- 1100 190165 A Successful Polymer Flood Pilot at Palogrande-Cebu, a Low Permeability Reservoir in the Upper Magdalena Valley, Colombia
A.F. Castillo Mejia, J.M. Leon Hinestrosa, Ecopetrol SA; R.A. Perez, Ecopetrol-ICP; F. Londoño, ECOPETROL S.A.; J.A. Jimenez Gomez, Ecopetrol SA; M. Izadi, A. Mendez, O. Castillo, ECOPETROL S.A.; J.F. Zapata Arango, Ecopetrol SA; C. Chaparro, Ecopetrol S.A.
- 1130 190211 Results from a Phased Piloting Approach in First Eocene Reservoir of Wafra: Reducing Uncertainties in Carbonate Steamflood Development
D.L. Barge, J.M. Brown, R. Kumar, C.S. Lolley, R.H. Bartlema, A. Saleh, Chevron Corp

Alternate

- 190247 Improved oil Recovery (IOR) and Chemical Enhanced Oil Recovery (CEOR) Pilots Look back and health check Methodology in Colombia
C.A. Patino, Ecopetrol SA; G.S. Garcia, C.C. Hinds, Ecopetrol
- 190240 The First Successful SWCT Tests to Evaluate an ASP Process in the Largest Mature Oil Field in Argentina
S.P. Figliuolo, Y-TEC; A. Lopez Gibson, YPF S.A.; M.L. Legarto, Y-TEC; D.J. Llanes, I.J. Lopez Davalos, L. Giannini, P.A. Miguel, S.A. Kaminszczik, YPF S.A.

Monday, 16 April 2018, 8:30 - 17:00

28 Poster I

Foyer I

Betty Felber, Consultant

Tony Panqing Gao, GE Global Research

- 0830 190208 Horizontal Fracturing in a Mature Permian Waterflood: A Case Study
A. Wagia-Alla, R. Roach, J. El-Azzi, Occidental Permian Ltd.
- 0830 190222 Imaging of In-situ Microemulsion Formation by Micro-Tomography
E. Unsal, Shell Global Solutions International BV; M. Rucker, Imperial College London; S. Berg, N. Brussee, Shell Global Solutions International BV; A. Coorn, Shell Global Solutions International; W. Bartels, Utrecht University; A. Bonnin, Paul Scherrer Institute
- 0830 190176 Fluoroacrylate Polymers as CO₂-soluble Conformance Control Agents
R.M. Enick, E. Beckman, S. Cummings, J. Lee, H. Zakeri, University of Pittsburgh; M. Vasilache, C. Dailey, Special Core Analysis Laboratories Inc.
- 0830 190250 Systematically Optimized Surfactant Formulation and Injection Design to Reduce Chemical while Maintaining Performance
G. Pinnawala Arachchilage, D. Alexis, D. Kim, A. Davidson, T. Malik, V. Dwarakanath, Chevron Corporation
- 0830 190156 Successful Water shut-off treatment specially designed for high temperature: Vizcacheras experience
I.N. Vega, M.I. Hernández, A. Campomenosi, YPF Tecnología; D. Moglia, J. Peltier, YPF S.A.

- 0830 190160 Gravity-Stable Processes for Dipping or Thick Reservoirs
S. Doorwar, V. Lee, A. Davidson, J. Isbell, T. Malik, V. Dwarakanath, Chevron Corporation
- 0830 190309 Theoretical Investigation of the Transition from Spontaneous to Forced Imbibition
L. Deng, M.J. King, Texas A&M University
- 0830 190249 Evaluating the Effect of Temperature on Surfactant Phase Behavior and Aqueous Stability to Forecast Optimum Salinity at High Temperature
G. Pinnawala Arachchilage, E.B. Tao, D. Alexis, H. Linnemeyer, T. Malik, V. Dwarakanath, Chevron Corporation

Tuesday, 17 April 2018, 8:30 - 17:00

29 Poster II

Foyer I

Vanessa Nunez, University of Texas at Austin

Prem Bikkina, Oklahoma State University

- 0830 190245 Effect of Salinity on Crude Oil/Brine/Rock Interfaces: A Cryo-BIB-SEM Approach to Carbonates Wettability
A. Gmira, D. Cha, S.M. Al Enezi, A.A. Yousef, Saudi Aramco PE&D
- 0830 190319 Mechanistic Modeling of Carbonated Waterflooding
A. Sanaei, A. Varavei, K. Sepehrnoori, The University of Texas At Austin
- 0830 190282 Pore-to-Core Scale Study of Wettability Alteration by Chemically-Tuned Waterflooding in Oil-Wet Carbonate Rocks
M.S. Tawfik, Pennsylvania State University; Z. Karpyn, Penn State University
- 0830 190274 Recent Developments in Hybrid Surfactant-Gas EOR Mechanisms with Advanced Modeling
H. Lashgari, G.A. Pope, The University of Texas At Austin; M. Delshad, Ultimate EOR Services; K. Sepehrnoori, The University of Texas At Austin
- 0830 190152 A Novel Coreless Injectivity Technique for Evaluating Formation Damage on Argillaceous Reservoirs
P. Luo, K.D. Knorr, P.P. Nakutnyy, M.J. Crabtree, Saskatchewan Research Council
- 0830 190155 Upscaling Laboratory Result of Surfactant-Assisted Spontaneous Imbibition to the field Scale through Scaling Group Analysis, Numerical Simulation, and Discrete Fracture Network Model
F. Zhang, I.R. Saputra, G. Niu, D.S. Schechter, Texas A&M University
- 0830 190315 Inter Well Tracer Test Results in the Mature Oil Field La Cira Infantas
L.K. Ramirez, Occidental de Colombia Inc.; G.M. Shook, Mike Shook & Associates

30 Best of EAGE I

Foyer II

Best of EAGEB10B15

Lanny Schoeling, Kinder Morgan CO2 Co. LP

Eduardo Manrique, PDVSA Intevep

31 Best of EAGE II

Foyer II

Best of EAGE II

Lanny Schoeling, Kinder Morgan CO2 Co. LP

Eduardo Manrique, PDVSA Intevep