<table>
<thead>
<tr>
<th>Article Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 35203</td>
<td>A New Approach to Large-Scale Infill Evaluations Applied to the OZONA</td>
<td>G.W. Voneiff, S.A. Holditch &amp; Assocs. Inc., and Craig Cipolla, Union Pacific Resources</td>
</tr>
<tr>
<td>SPE 38664</td>
<td>Fracture Characterization Based on Oriented Horizontal Core From the</td>
<td>Paul McDonald, Parker &amp; Parsley; J.C. Lorenz, Sandia Natl. Laboratories; Charlie Sizemore,</td>
</tr>
<tr>
<td></td>
<td>Spraberry Trend Reservoir: A Case Study</td>
<td>Parker &amp; Parsley; D.S. Schechter, New Mexico PRRC; and Tom Sheffield, Parker &amp; Parsley</td>
</tr>
<tr>
<td>SPE 38694</td>
<td>Dynamic Reservoir Characterization of a CO2 Huff’n’Puff, Central</td>
<td>T.L. Davis, R.D. Benson, S.L. Roche, and M.S. Scuta, Colorado School of Mines</td>
</tr>
<tr>
<td>SPE 38910</td>
<td>Modeling of Waterflood in a Vuggy Carbonate Reservoir</td>
<td>Kaveh Dehghani, Chevron Petroleum Technology Co.; K.A. Edwards, Chevron USA Production Co.;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and P.M. Harris, Chevron Petroleum Technology Co.</td>
</tr>
<tr>
<td>SPE 38916</td>
<td>Reservoir Characterization as a Risk Reduction Tool at the Nash Draw Pool</td>
<td>F.D. Martin, David Martin and Assoc. Inc.; M.B. Murphy, Strata Production Co.; B.A. Stubbs,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pecos Petroleum Engineering Inc.; B.J. Uszynski, Territorial Resources Inc.; B.A. Hardage,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Texas Bureau of Economic Geology; R.P. Kendall and E.M. Whitney, David Martin and Assoc. Inc.;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and W.W. Weiss, New Mexico Inst. of Mining and Technology</td>
</tr>
<tr>
<td>SPE 39629</td>
<td>Use of Full-Field Simulation to Design a Miscible CO2 Flood</td>
<td>F.P. Brinkman, T.V. Kane, R.R. McCullough, Exxon Co. USA, and J.W. Miertschin,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Exxon Production Research Co.</td>
</tr>
<tr>
<td>Transformations: An Application at the Salt Creek Field, Kent County, TX</td>
<td>Data-Gupta, Texas A&amp;M U.</td>
<td></td>
</tr>
<tr>
<td>SPE 39763</td>
<td>Engineering the Use of Green Plants to Reduce Produced Water</td>
<td>Troy Settle and G.N. Mollock, Devon Energy Corp., and Ray Hinchman and M.C. Negri,</td>
</tr>
<tr>
<td></td>
<td>Disposal Volume</td>
<td>Argonne Natl. Laboratory</td>
</tr>
<tr>
<td>SPE 39765</td>
<td>Profitable Continuous Flow Gas Lift in 18,000 Feet TVD Wells With Low</td>
<td>Ed DeMoss, CEALC Inc.; Saúl Ruiz-García, IMP; Salvador Sarmiento-Mendosa and Alfredo Pérez-</td>
</tr>
<tr>
<td>Reservoir Pressures</td>
<td></td>
<td>Fuentes, PEMEX; CEALC Inc.</td>
</tr>
<tr>
<td>SPE 39766</td>
<td>Field Electrification Efficiencies: One Operator’s Experience in the</td>
<td>B.W. Harris, Wagner &amp; Brown, Ltd., and K.R. May, Helms and May Engineering Inc.</td>
</tr>
<tr>
<td>Conger (Penn) Field</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 39767</td>
<td>Squeeze Cement Matrix Improves Communication, Increases Efficiency, and</td>
<td>Henry Lopez, BJ Services USA, and Dave Renshaw, Chevron USA Production Co.</td>
</tr>
<tr>
<td></td>
<td>Reduces Administrative Costs for Alliance Partners</td>
<td></td>
</tr>
<tr>
<td>SPE 39768</td>
<td>New Exact Spherical Flow Solution With Storage for Early-Time Test</td>
<td>M.A. Proett and W.C. Chin, Halliburton Energy Services</td>
</tr>
<tr>
<td>Interpretation With Applications to Early-Evaluation Drillstem and Wireline Formation Testing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPE 39769</td>
<td>Analysis of Wireline Formation Test Data From Gas and Non-Darcy Flow Conditions</td>
<td>Ekrem Kasap and Jaedong Lee, Western Atlas Logging Services</td>
</tr>
</tbody>
</table>
SPE 39770 Petrophysical Properties Under True-Triaxial Stress For Hydrocarbon Recovery Prediction ................................................................. 191
S.S. Al-Harthy, J. Dennis, X.D. Jing, and J.R. Marsden, Imperial College

SPE 39772 Pitfalls of Injection/Falloff Testing in Coalbed Methane Reservoirs .................. 197

SPE 39774 Porosity Determination in Gas-Bearing Formations .................................. 213
L.F. Quintero, Schlumberger Oilfield Services, and Zaki Bassiouni, Louisiana State U.

SPE 39775 Using Reservoir Characterization Results at the Nash Draw Pool to Improve Completion Design and Stimulation Treatments .......................... 219
B.A. Stubbs, Pecos Petroleum Engineering Inc.; M.B. Murphy, Strata Production Co.;
B.A. Hardage, Texas Bureau of Economic Geology; and F.D. Martin, David Martin and Assoc. Inc.

SPE 39776 Laboratory and Theoretical Studies for Acid Fracture Stimulation Optimization ... 231
R.C. Navarrete, M.J. Miller, and J.E. Gordon, Schlumberger Dowell

SPE 39777 Advanced Fracturing and Reservoir Description Techniques Improves Economics in Utah, Green River Formation Oil Project .......................... 249
S.K. Schubarth and R.R. Yeager, Halliburton Energy Services, and D.W. Murphy,
Inland Resources Inc.

SPE 39778 CO₂ Energized and Remedial 100% CO₂ Treatments Improve Productivity in Wolfcamp Intervals, Val Verde Basin, West Texas .................. 255
R.L. Johnson Jr., S.A. Holditch & Assoc.; W.W. Walters, BJ Services Co. USA; M.W. Conway,
STIM-LAB Inc.; and B.S. Burdett and R.G. Stanley, Chevron USA Production Co.

SPE 39780 Development and Field Application of a Delayed Breaker System for Use at High Temperatures ......................................................... 273
M.G. Much and V.L. Franklin, BJ Services Co.

SPE 39781 More Effective Hydraulic Fracturing in Secondary, In-Fill Developments, Permian Basin, Using Bottomhole Pressure and In-Situ Stress Profiling Techniques ........ 281
R.L. Johnson Jr., S.A. Holditch & Assoc., and J.L. Rodgerson, BJ Services Co. USA

SPE 39784 Cost Effective Method for Improving Permeability in Damaged Wells .................. 297
Robert Tjon-Joe-Pin, C.S. DeVine, and M.A. Carr, BJ Services Co. USA

SPE 39785 Evaluation for Polymer Damage Aids in Candidate Selection for Removal Treatment ................................................................. 307
M.A. Carr and B.H. Yang, BJ Services Co. USA

SPE 39786 Progressing Cavity Pump (PCP): New Performance Equations for Optimal Design ................................................................. 313

SPE 39787 Fine Grid CO₂ Injection Process Simulation for Dollarhide Devonian Reservoir ........ 319
S-W. Wang and S.D. Robertson, Unocal

SPE 39789 Effect of Foam on CO₂ Breakthrough: Is This Favorable to Oil Recovery? ........ 337
H. Yaghoobi, J-S. Tsau, and R.B. Grigg, New Mexico Inst. of Mining & Technology

SPE 39791 Laboratory Investigation of Injectivity Losses During WAG in West Texas Dolomites ................................................................. 345
J. Kamath, F.M. Nakagawa, and R.E. Boyer, Chevron Petroleum Technology Co., and
K.A. Edwards, Chevron Production Co.

SPE 39792 Use of Mixed Surfactants to Improve Mobility Control in CO₂ Flooding ........ 355
J-S. Tsau, Hossein Yaghoobi, and R.B. Grigg, New Mexico Inst. of Mining and Technology

SPE 39793 History Matching and Modeling the CO₂-Foam Pilot Test at EVGSAU .............. 365
S-H. Chang and R.B. Grigg, New Mexico Inst. of Mining & Technology

SPE 39794 Compositional Simulations of a CO₂ Flood in Ford Geraldine Unit, Texas ........ 375
M.A. Malik, U. of Texas

SPE 39795 Drill Pipe/Coiled Tubing Buckling Analysis in a Hole of Constant Curvature ........ 385
Weiyoung Qiu, Baker Oil Tools; Stefan Miska, U. of Tulsa; and Leonard Volk, BDM Petroleum Technologies

SPE 39800 Prediction of Turbulent Friction in Rod Pumped Wells ...................................... 397
SPE 39801  An Integrated Study of Imbibition Waterflooding in the Naturally Fractured Spraberry Trend Area Reservoirs .............................................. 407
B. Guo and D.S. Schechter, New Mexico Inst. of Mining & Technology, and R.O. Baker, Epic Consulting Services Ltd.

SPE 39802  Gel Treatments for Reducing Channeling Through Naturally Fractured Reservoirs ................................................................. 419
R.S. Seright and Robert Lee, New Mexico Inst. of Mining & Technology

SPE 39803  Improved Reservoir Description of Shaly Sands Using Conventional Well-Log Derived Data for Flow Units Identification .................................... 427
S.A. Elgagah, Djebbar Tiab, and S.O. Osisanya, U. of Oklahoma

SPE 39804  North Dakota’s Lodgepole Play: A Look at the Reservoir and Producing Characteristics ............................................................. 441
S.W. Young, E. Caamano, D.B. Jackson, W.A. Morgan, and M.K. Sheedlo, Conoco Inc., and W.M. Ahr, Texas A&M U.

SPE 39805  Modeling Nonlinear Phenomena ............................................................... 457
Loveena Kapur, L.W. Lake, and Kamy Sepehrnoori, U. of Texas

SPE 39806  VERTEX: A New Modeling Method Used to Direct Field Development .............................................................. 467
Mustafa Oguztoreli, Mustafa Oguztoreli Inc., and D.W. Wong, Vertex Petroleum Resources Ltd.

SPE 39807  Use of Single-Well Test Data for Estimating Permeability Anisotropy of the Naturally Fractured Spraberry Trend Area Reservoirs 477
B. Guo and D.S. Schechter, New Mexico Inst. of Mining and Technology, and A. Banik, Halliburton Energy Services

SPE 39808  West Welch CO2 Flood Simulation With an Equation of State and Mixed Wettability .......................................................... 489
A.R. Taylor and G.D. Hinterlong, OXY USA Inc., and K.H. Kumar, Smedvig Technologies

SPE 39809  Improving Flow Simulation Performance With a Seismic-Enhanced Geologic Model ............................................................. 499
G.D. Hinterlong, A.R. Taylor, and G. Watts, OXY USA Inc., and K.H. Kumar, Smedvig Technologies

SPE 39810  Enhanced Reservoir Characterization Using NMR Core Data and Well-Log Data ............................................................... 505
S.A. Shedid, D. Tiab, and S.O. Osisanya, U. of Oklahoma

SPE 39813  Mechanics of an Electric Submersible Pump Failure Mode ................................................................. 519
M.L. Powers, Consultant

SPE 39814  Granite Wash Completion Optimization With the Aid of Artificial Neural Networks .......................................................... 527

SPE 39815  Polyethylene Lined Tubing in Rod Pumped Wells ......................................................... 535
E.C. Sirgo and E.D. Gibson, Chevron USA, and W.E. Jackson, Western Falcon Enterprises

SPE 39816  A New Empirical Correlation to Predict Apparent Viscosity of Borate-Crosslinked Guar Gel in Hydraulic Fractures 551
Naval Goel, S.N. Shah, and Mahmoud Asadi, U. of Oklahoma

SPE 39817  Fluid Sampling From Damaged Formations .......................................................... 565
Jaedong Lee and Ekrem Kasap, Western Atlas Logging Services
No manuscript received for the following:

SPE 38846  Re-Engineering and Re-Development of the SACROC Field Southwest Bank  
A.J. Benvegnu, Pennzoil E&P Co.

SPE 39762 Simplified Approach for Predicting Pressure Profiles in a Flowing Well  
R.V. Palisetti, Dwights EnergyData Inc.

SPE 39773 Errors in Input Data and the Effect on Well Test Interpretation Results  
J.P. Spivey, S.A. Holditch & Assocs. Inc.

SPE 39779 Permian Basin Field Tests of Propellant Assisted Perforating  
R.J. Prosceno, Marathon Oil Co.

SPE 39782 Coiled Tubing, A Completion Tool for Maintaining Underbalanced Conditioned  
after Drilling Underbalanced  
J.G. Harris, BJ Services Co. USA

SPE 39790 Understanding and Exploiting Four Phase Flow in Low  
Temperature CO₂ Floods  
R.B. Grigg and U. Siagian, New Mexico Inst. of Mining & Technology

SPE 39798 Combined Casing Inspection Using Electromagnetic Phase Shift, Flux  
Leakage/Eddy Current, and Ultrasonic Scanning Measurements  
L. Graham, G.J. Frisch, and M. Duchek, Halliburton Energy Services

SPE 39812 A Radical New Approach to the Analysis of the Production Logs  
M. Gysen, Interpetive Software