SPE-168113-MS
Viscoelastic Behavior and Proppant Transport Properties of a New Associative Polymer-Based Fracturing Fluid
A.M. Gomaa, D. Gupta, P.S. Carman, Baker Hughes

SPE-168114-MS
Case Study: Sand Management Evolution in a Brownfield
L.D. Gonzalez, M.E. Rivero Colmenares, C. Curteis, Schlumberger; D. Amaleswaran, Petronas

SPE-168115-MS
Could Emulsified Friction Reducers Prevent Robust Friction Reduction?
K. Tucker, FTS International; P.M. McElfresh, Consultant

SPE-168116-MS
Application of In-House Prepared Nanoparticles as Filtration Control Additive to Reduce Formation Damage
O. Contreras, University of Calgary; G. Hareland, Oklahoma State University; M. Husein, University of Calgary; R. Nygaard, M.T. Al-Saba, Missouri University of Science & Technology

SPE-168118-MS
One Tcf From One Well: The Design of a 500 MMscf/D Subsea Well for Offshore Mega Gas Fields
D.F. Reeves, J.C. Healy, Noble Energy

SPE-168119-MS
Deciphering Return Permeabilities
D. Li, R. Leonard, W. He, M-I SWACO, A Schlumberger Service

SPE-168120-MS
Chemical Qualification and Field Application of a Nondamaging Scale Squeeze Treatment in the Mangala Field

SPE-168123-MS
Integrated Workflow for Lost Circulation Prediction
A. Ghalambor, Oil Center Research International; S. Salehi, University of Louisiana at Lafayette; M. Pordel Shahri, University of Tulsa; M. Karimi, Weatherford

SPE-168124-MS
A Novel Slow-Release Rheology Modifier for Well Treatment Fluids
L. Li, J. Zhou, H. Sun, Q. Qu, Baker Hughes
SPE-168126-MS
Insights Into the Process of Effectively Acidizing Naturally Fractured Reservoirs
S. Salimi, Eni Norge; A. Ghalambor, Oil Center Research International; H. Hayer, Iran University of Science & Technology

SPE-168127-MS
Reservoir Friendly Rigid Setting Fluid Arrests Lost Circulation While Minimizing Reservoir Damage
S. Savari, D.L. Whitfill, M. Miller, Halliburton

SPE-168129-MS
Acid or Propped Fracturing in Deep Carbonates? Experiments and Field Results
T.L. De Oliveira, L.F. Neumann, C.T. Azevedo, Petrobras

SPE-168130-MS
Development of Injectivity Damage Due to Oily Waste Water in Linear Flow
L. Jin, A.K. Wojtanowicz, Louisiana State University

SPE-168131-MS
Three-Dimensional Modeling of Wellbore and Perforation Stability in Weak Sands
S.A. Alquwizani, Saudi Aramco; M.M. Sharma, The University of Texas at Austin

SPE-168133-MS
GaStim Concept - A Novel Technique for Well Stimulation. Part II: From Laboratory to Field Pilot Testing

SPE-168135-MS
Filtration in Frac-Packs and its Impact on Injector Performance
J. Hwang, S. Lehardi, M.M. Sharma, The University of Texas at Austin

SPE-168136-MS
Using Water to Control Water in Underbalanced Drilling With Nitrogen
B. Guo, University of Louisiana at Lafayette; H. Zhang, China University of Petroleum; Y. Feng, Louisiana State University

SPE-168137-MS
Removal of Plugged Asphaltene in a Reservoir by Earthquakes
T. Uetani, INPEX; T. Matsuoka, H. Honda, Kyoto University
SPE-168138-MS
Experimental Study on the Cement-Formation Bonding
N.V. Opedal, J. Todorovic, M. Torsæter, T. Vralstad, SINTEF Petroleum Research; W. Mushtaq, Norwegian University of Science and Technology

SPE-168139-MS
Reservoir Simulation, Ion Reactions and Near-Well Bore Modelling to Aid Scale Management in a Subsea Gulf of Mexico Field
E.J. Mackay, Heriot-Watt University; M.M. Jordan, Nalco Champion, An Ecolab Company; O. Ishkov, O. Vazquez, Heriot-Watt University

SPE-168140-MS
The Time-Dependent Permeability Damage Caused by Fracture Fluid
N. Bostrom, M.A. Chertov, M. Pagels, D.M. Willberg, A. Chertova, Schlumberger; M. Davis, Encana; W. Zagorski, Range Resources

SPE-168143-MS
Advancing Chemical Sand and Fines Control Using Zeta Potential Altering Chemistry by Using Advanced Fluid Placement Techniques
P. Singh, N. Ludanova, Weatherford International Inc.; R.V. Petegem, Senior Sand Control & Completions Consultant

SPE-168144-MS
External Filter Cake Buildup in Dynamic Filtration: Mechanisms and Key Factors
A. Kalantariasl, A. Zeinijahromi, P. Bedrikovetsky, The University of Adelaide

SPE-168145-MS
Evaluation of Environmentally Friendly Chelating Agents for Applications in the Oil and Gas Industry

SPE-168146-MS
The Effect of Core Dimensions on the Optimal Acid Flux in Carbonate Acidizing
K. Dong, X. Jin, D. Zhu, A.D. Hill, Texas A&M University

SPE-168147-MS
Solid Paraffin Inhibitors Pumped in Hydraulic Fractures Increase Oil Recovery in Viking Wells
V.M. Wornstaff, S. Hagen, T. Ignacz, Baker Hughes; M. Chorney, B. Pedersen, Teine Energy
SPE-168148-MS  
Rig Time Was Saved in a Remote Two-Rig Operation Completing Horizontal Openhole Wells with Expandable Sand Screen Through Careful Selection and Aggressive Juggling of Multiple Reservoir Drill-In Fluids  
M.R. Luyster, M.J. Anez, M.A. Brzezinski, M-I SWACO; C. Nguyen, M-I SWACO, a Schlumberger Company; R. Ravitz, P.L. Bumala, M-I SWACO

SPE-168149-MS  
Complex Completion Design and Inflow Prediction Enabled by Detailed Numerical Well Modeling  
M.T. Byrne, L. Djayapertapa, K. Watson, Senergy; B.J. Goodin, Vermilion Oil & Gas

SPE-168150-MS  
Fines Migration in Oil and Gas Reservoirs: Quantification and Qualification Through Detailed Study  
M.T. Byrne, E.A. Rojas, R. Kandasamy, A. Gibb, Senergy

SPE-168151-MS  
Development of a Dynamic Model for Drilling Fluid’s Filtration: Implications to Prevent Formation Damage  
M. Farahani, R. Soleimani, S. Jamshidi, Sharif University of Technology; S. Salehi, University of Louisiana at Lafayette

SPE-168152-MS  
Particle Size Distribution Measurement Techniques and Their Relevance or Irrelevance to Sand Control Design  
K. Zhang, Rice University; R.A. Chanpura, Schlumberger; S. Mondal, C. Wu, M.M. Sharma

SPE-168153-MS  
Liquid Bank Removal in Production Wells Drilled in Gas-condensate Reservoirs: A Critical Review  
M.A. Sayed, Aramco Services; G.A. Al-Muntasheri, Saudi Aramco

SPE-168154-MS  
Development of a New Squeeze Scale Inhibitor for Mitigating Formation Damage for High TDS High Temperature Tight Carbonate Reservoir  

SPE-168156-MS  
Advanced Understanding of Matrix Stimulation Treatments Through In-Job and Post-Job Evaluation of Real-Time Downhole Measurements with Coiled Tubing: A Case Study  
D. Ahmed, P. Ramondenc, F. Baez, Schlumberger
<table>
<thead>
<tr>
<th>Conference Paper ID</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE-168157-MS</td>
<td>An Innovative Approach to Forecasting Matrix Stimulation Treatment Results: A Case Study</td>
<td>472</td>
</tr>
<tr>
<td>SPE-168158-MS</td>
<td>Materials Science Improves Silica Sand Strength</td>
<td>483</td>
</tr>
<tr>
<td></td>
<td>N. Bestaoui-Spurr, Baker Hughes</td>
<td></td>
</tr>
<tr>
<td>SPE-168159-MS</td>
<td>Proppant Pack Permeability: Does it Matter? Field Case Histories of a Nearly Residue-Free Crosslinked Fluid System</td>
<td>494</td>
</tr>
<tr>
<td></td>
<td>U. Inyang, L. Fontenelle, N.C. Schultheiss, Halliburton</td>
<td></td>
</tr>
<tr>
<td>SPE-168160-MS</td>
<td>The Water Blockage Effect on Desiccated Tight Gas Reservoir</td>
<td>507</td>
</tr>
<tr>
<td></td>
<td>W.J. Assiri, J.L. Miskimins, Colorado School of Mines</td>
<td></td>
</tr>
<tr>
<td>SPE-168161-MS</td>
<td>Experimental Determination of the Effect of Pressure on Fluid Loss for Several Fracturing Fluids</td>
<td>518</td>
</tr>
<tr>
<td></td>
<td>J. Sanchez Reyes, R.D. Hutchins, M.D. Parris, Schlumberger</td>
<td></td>
</tr>
<tr>
<td>SPE-168163-MS</td>
<td>Field Treatment to Stimulate an Oil Well in an Offshore Sandstone Reservoir Using a Novel, Low Corrosive, Environmentally Friendly Fluid</td>
<td>533</td>
</tr>
<tr>
<td></td>
<td>H.A. Nasr-El-Din, Texas A&amp;M University; H. Dana, V. Tomos, Energean Oil &amp; Gas; T. Stanitzek, C. De Wolf, A.K. Alex, AkzoNobel</td>
<td></td>
</tr>
<tr>
<td>SPE-168164-MS</td>
<td>Analyses of Processes, Mechanisms, and Preventive Measures of Shale-Gas Reservoir Fluid, Completion, and Formation Damage</td>
<td>544</td>
</tr>
<tr>
<td></td>
<td>F. Civan, University of Oklahoma</td>
<td></td>
</tr>
<tr>
<td>SPE-168165-MS</td>
<td>Engineered Approach to Isolate Intervals Invaded by Water or Gas in Naturally Fractured Carbonate Formations</td>
<td>561</td>
</tr>
<tr>
<td>SPE-168166-MS</td>
<td>Reduced Models for Description of Invasion Zone Geomechanics</td>
<td>573</td>
</tr>
<tr>
<td></td>
<td>O.B. Bocharov, A.V. Seryakov, Baker Hughes</td>
<td></td>
</tr>
</tbody>
</table>
SPE-168167-MS
Experience of Carbonate Acidizing in the Challenging Environment of the Volga-Urals Region of Russia 583

SPE-168168-MS
Optimizing Sandstone Matrix Stimulation in HT Well ‘X’: A Case Study 606
S.S. Hassan, A. Nadeem, U.B. Bregar, OMV Exploration

SPE-168169-MS
Well Stimulation Using a Solid, Proppant-Sized, Paraffin Inhibitor to Reduce Costs and Increase Production for a South Texas, Eagle Ford Shale Oil Operator 617
S. Szymczak, D.V. Gupta, W.H. Steiner, S. Bolton, Baker Hughes; J.L. Romano, Matador Resources

SPE-168171-MS
Successful Application of a Differentiated Chelant-Based Hydrofluoric Acid for the Removal of Aluminosilicates, Fines, and Scale in Offshore Reservoirs of the Gulf of Mexico 623

SPE-168172-MS
Integrating Technology for Improving Recovery and Field Redevelopment in a Highly Heterogeneous Carbonate Reservoir 637
S. Gupta, R.K. Sinha, V. Verma, A. Kumar, R. Singh, S. Swain, A. Pandey, Schlumberger; P. Majithia, P. Hinge, Oil and Natural Gas Corporation

SPE-168173-MS
The Impact of Kinetics Hydrate Inhibitors Within Produced Water on Water Injection/Disposal Wells 646

SPE-168174-MS
Using NMR technology to Study the Flow of Fracture Fluid inside Shale Formation 667
A.M. Gomaa, B. Zhang, J. Chen, Q. Qu, S.G. Nelson, Baker Hughes

SPE-168176-MS
Challenging the Economic Limit in Mature Fields by Hydraulic Fracturing of Wet Producers 681
R.G. Rachid, A. Milne, S.A. Ali, M. Ramones, Schlumberger; J. Jimenez, Petroecuador
SPE-168177-MS
Insights from the Evaluation of Sand Control Performance in Offshore Brazilian Southeast  693
C.B. Cunha, A.Z. Pereira, M.G. Da Silva, A. Calderon, Petrobras; A. Nicolino de Sa, Petrobras S.A.; P.D. Fernandes, Petrobras

SPE-168178-MS
An Innovative Approach for Sand Management with Downhole Validation  707
S.K. Subbiah, Schlumberger; L. De Groot, H. Graven, GDF SUEZ

SPE-168179-MS
Development of Polyglycolic and Polyactic Acid Fluid-loss Control Materials for Fracturing Fluids  722
K. Yoshimura, H. Matsui, N. Morita, Waseda University

SPE-168180-MS
Optimizing Surfactant Additives for Enhanced Well Stimulation in Bakken Formation  746
S. Morsy, Texas Tech University; M. Zhou, K.S. Lant, J.L. Cutler, H. Sun, Q. Qu, Baker Hughes; P.J. Shuler, California Institute of Technology

SPE-168182-MS
Sulphide Scale Co-Precipitation with Calcium Carbonate  757
C. Okocha, K.S. Sorbie, Heriot-Watt University

SPE-168183-MS
Calculating Pore Size Distribution by Using Capillary Pressure  782
K. Ling, University of North Dakota; G. Han, China University of Petroleum Beijing; Z. Shen, SPE; A. Ghalambor, Oil Center Research International; J. He, P. Pei, University of North Dakota

SPE-168184-MS
A Comprehensive Approach to Estimate Invasion Radius of Mud Filtrate to Evaluate Formation Damage Caused by Overbalanced Drilling  795
K. Ling, University of North Dakota; H. Zhang, Z. Shen, SPE; A. Ghalambor, Oil Center Research International; G. Han, China University of Petroleum Beijing; J. He, P. Pei, University of North Dakota

SPE-168185-MS
Laboratory Evaluation of Formation Damage Impact of Drill-In Fluid Lubricants in a Low-Permeability Sandstone Gas Reservoir  814
P.I. Osode, M. Otaibi, M.A. Bataweel, S.M. Al-Ammari, Saudi Aramco; R.E. Himes, Core Laboratories
SPE-168186-MS
Successful Treatment of a Green River Sandstone Formation Using a Novel Low-Polymer Crosslinked Fluid  825
M.U. Legemah, F.H. Debenedictis, N.T. Workneh, D.D. Smith, H. Sun, H.V. Le, Q. Qu, Baker Hughes; M. Moulton, Newfield Exploration

SPE-168187-MS
Perforating Monobore Completions Offshore: An Efficient, Safe, and Optimal Approach  840

SPE-168188-MS
Enhancing Proppant Pack Conductivity With Consolidation and Agglomeration Performance: A Laboratory Study  N/A
L.K. Vo, P.D. Nguyen, F. Liang, C. Parton, Halliburton

SPE-168189-MS
Restriction of Water Production in Gas Wells by Induced Phase Inversion: Field Case Studies  849
I.J. Lakatos, J. Lakatos-Szabo, G. Szentes, University of Miskolc; A. Vago, Hungarian Oil & Gas Co.

SPE-168190-MS
Case Study of ‘M’ Field Water Injection: Identifying and Managing the Challenges  862
N. Kamarul Zaman, N. Nordin, S. Mohsin, Petronas

SPE-168191-MS
Pressure Pulse Generated by Valve Closure: Can It Cause Damage?  873
A. Zazovsky, Chevron ETC; E.V. Tetenov, Energy Science LLC; K.S. Zaki, W.D. Norman, Chevron ETC

SPE-168192-MS
A New Generation of Efficient Fracturing Fluids for High Total Dissolved Solids Applications  893
G.H. Monreal, S.O. N’Guessan, FTS International; P.M. McElfresh, Independent Consultant

SPE-168193-MS
Avoiding Damage Associated to Produced Water Use in Hydraulic Fracturing  908
A.V. Fedorov, J. Carrasquilla, A. Cox, Schlumberger

SPE-168194-MS
The Importance of Skin Parameters for Predicting Water Coning in a Vertical Gas Well  914
J. Wheeler, K. Gaurav, S. Kumar, BG Group
SPE-168195-MS
Selectively Shutting Off Gas in Naturally Fractured Carbonate Reservoirs 928
M.A. Lozada, M. Torres, M.A. Gonzalez, B. Garcia, M.A. Cortes, Pemex; A. Milne, E.J. Miquilena, J.M. Perez, Schlumberger

SPE-168196-MS
A Comprehensive Geochemical-Based Approach to Quantify the Scale Problems 946
A. Kazemi Nia Korrani, K. Sepehrnoori, M. Delshad, University of Texas at Austin

SPE-168197-MS
Remediation of Long-Term Production Deferrals from Formation Damage in a Depleted Transylvanian Sandstone Reservoir 965
B. Cavallaro, Schlumberger; D.P. Stefanescu, Romgaz; G. Fava, Schlumberger

SPE-168198-MS
The First Visualization of Acid Treatments on Carbonates With 3D Nuclear Magnetic Resonance Imaging (NMRI) 976
M. Krebs, Clausthal University of Technology; B.R. Lungwitz, A. Souza, A.H. Pepin, S.J. Montoya, P. Schlicht, A. Boyd, Schlumberger; E. Vidoto, R. Polli, T. Bonagamba, Universidade de São Paulo

SPE-168199-MS
Reconciliation of Fracture Performance and Fracture Geometry with Design 991
V. Guk, M. Bychina, RUSPETRO; D. Wolcott, Consultant; M.J. Economides, University of Houston

SPE-168200-MS
Multizone Openhole Stand Alone Screen: Innovative Sand Control Solution to Develop Shallow Gas Reservoirs in the Mahakam Delta 1002
D. Laidlaw, B. Muryanto, M.I. Maharaneoe, R.A. Panjaitan, Total E&P

SPE-168201-MS
Practical Laboratory Testing for Shale Fracturing 1021
C.C. Fischer, V.G. Constien, Constien & Associates

SPE-168202-MS
Filtering Out More Information from Laboratory Screen and Gravel Pack Tests 1034
C.C. Fischer, V.G. Constien, C. Vining, Constien & Associates

SPE-168203-MS
Enhanced Waterflooding Sweep Efficiency by Induced Formation Damage in Layer-Cake Reservoirs 1045
A. Zeinijahromi, P.G. Bedrikovetsky, University of Adelaide
<table>
<thead>
<tr>
<th>Paper ID</th>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE-168204-MS</td>
<td>Environmentally Responsible, Catalytic Breakers for Alkaline, High-Temperature Fracturing Fluids</td>
<td>S. Gunawan, C.D. Armstrong, Q. Qu, Baker Hughes</td>
<td>1055</td>
</tr>
<tr>
<td>SPE-168205-MS</td>
<td>Formation Damage From Pipe Dope: How Bad Can It Get?</td>
<td>T. Castineiras, E. Actis Goretta, Tenaris; A. Funes, F. Figini, Tecpetrol; X. Wang, XGas; M.J. Economides, University of Houston</td>
<td>1062</td>
</tr>
<tr>
<td>SPE-168206-MS</td>
<td>Hybrid Matrix Acidizing Techniques Successfully Stimulate Geothermal Wells in Latin America</td>
<td>V.A. Exler, F. Tellez, M. Quevedo, A. Milne, Schlumberger</td>
<td>1074</td>
</tr>
<tr>
<td>SPE-168207-MS</td>
<td>Design Considerations and Qualification Testing of High Density Oil-Based Screen Running Fluids for an HPHT Gas Development</td>
<td>L. Han, S.H. Hicking, J. Twycross, S. El-Jamali, Norske Shell; I. Patey, J. Green, Corex UK</td>
<td>1085</td>
</tr>
<tr>
<td>SPE-168209-MS</td>
<td>Critical Sand Deposition Velocity in Horizontal Stratified Flow</td>
<td>R. Ibarra, Imperial College London; R.S. Mohan, O. Shoham, University of Tulsa</td>
<td>1111</td>
</tr>
<tr>
<td>SPE-168210-MS</td>
<td>Qualification of Gravel Packing in HP/HT Wells</td>
<td>H. Kaarigstad, C. Strachan, V. Fjellstad, Statoil; K. Gyland, M-I SWACO, A Schlumberger Service; J.D. Filbrandt, Schlumberger Norge</td>
<td>1124</td>
</tr>
<tr>
<td>SPE-168211-MS</td>
<td>Design and Successful Field Execution of Sand Control Completions in Naturally Fractured Reservoirs</td>
<td>T. Tahirov, R. Allam, J. Mason, A. Twynam, B. Tanilir, K. Sweeney, A. Bissoon, BP</td>
<td>1134</td>
</tr>
</tbody>
</table>
SPE-168213-MS
Interconnected Fiber Network Prevents Gravel Washout in Water Injector Wells
K. Vidma, I. Glaznev, S. Green, M.K. Panga, Schlumberger

SPE-168214-MS
Effects of Alternative Water Sources on Formation and Proppant Pack Damage Reduction Properties of Near-residue-free Fracturing Fluid
A. Russell, D. Singh, E. Schnoor, Halliburton

SPE-168215-MS
Overcoming Wellbore Cleanup Challenges in Deepwater Wells in West Africa
G. Pietrangeli, L. Quintero, T.A. Jones, S. Benaissa, Baker Hughes; C.A. Menezes, E. Aubry, H.M. Poitrenaud, J. Furgier, Total

SPE-168216-MS
Produced Water Re-Injection in a Deep Offshore Environment - Angola Block 17
R. Souilah, B. Brocart, A. Ourir, A. Onaisi, H. Pourpak, J. Ochi, H. Lescanne, Total E&P University of Texas at Austin; J.A. Ayoub, M. Parlar, Schlumberger