



GOHFER® – SPE Paper Reference

- SPE 12273 **A Practical Numerical Simulator for Three-Dimensional Fracture Propagation in Heterogeneous Media**
Barree, R.D

STRESS & ROCK PROPERTIES

- SPE 134142 **Evidence of Strong Fracture Height Containment Based on Complex Shear Failure and Formation Anisotropy**
Barree, R.D., Conway, M.W., Gilbert, J.V., Woodroof, R. A.
- SPE 118703 **Stress and Rock Property Profiling for Unconventional Reservoir Stimulation**
Barree, R.D., Gilbert, J.V., and Conway, M.W.
- SPE 108139 **A Composite Determination of Mechanical Rock Properties for Stimulation Design (What to do When You Don't Have a Sonic Log)**
Mullen, M., Roundtree, R., Barree, R.D.
- SPE 80935 **Modeling of Fracture Height Containment in Laminated Sand and Shale Sequences**
J. L. Miskimins and R. D. Barree
- SPE 48926 **Effects of Shear Planes and Interfacial Slippage on Fracture Growth and Treating Pressures**
Barree, R.D. and Winterfeld, P.H.

PRESSURE DIAGNOSTICS

- SPE 217780 **What Can You Learn from a DFIT on Fiber Optics?**
E. Kerr, SM Energy Company R.D. Barree, Halliburton, E. Estrada, SM Energy Company
- SPE 209170-MS **ISIP or Fracture Extension Pressure?**
R.D. Barree
- SPE 187038 **Fracture Closure Stress: Reexamining Field and Laboratory Experiments of Fracture Closure Using Modern Interpretation Methodologies**
D.P. Craig, DFITpro.com, R.D. Barree, Barree & Assocs. LLC, N.R. Warpinski, Retired, T.A. Blasingame, Texas A&M University
- SPE 179134 **Physical Explanation of Non-Linear Derivatives in Diagnostic Fracture Injection Test Analysis**
R.D. Barree and J.L. Miskimins, Barree & Associates
- SPE 169539 **Diagnostic Fracture Injection Tests: Common Mistakes, Misfires, and Misdiagnoses**
R.D. Barree, J.L. Miskimins and J.V. Gilbert, Barree & Associates
- SPE 107877 **Holistic Fracture Diagnostics**
Barree, R.D., Barree, V.L., Craig, D.P.
- SPE 77442 **A Practical Guide to Hydraulic Fracture Diagnostic Techniques**
Barree, R.D., Fisher, M.K., and Woodroof, R.A.
- SPE 39932 **Applications of Pre-Frac Injection/Falloff Tests in Fissured Reservoirs - Field Examples**
Barree, R.D.
- SPE 36424 **Determination of Pressure Dependent Leakoff and Its Effect on Fracture Geometry**
Barree, R. D., and Mukherjee, H.

UNCONVENTIONAL RESERVOIRS

- URTeC 2020-1024 **Potential Issues with Extreme Limited Entry in Horizontal Wells**
R.D. Barree,
- SPE 209125-MS **Processes of Screenout Development and Avoidance**
R.D. Barree
- SPE 179106 **Fiber-Optics Results from an Intra-Stage Diversion Design Completions Study in the Niobrara Formation of DJ Basin**
Muthukumarappan Ramurthy, Halliburton; Joe Richardson and Mark Brown, Bayswater Exploration & Production LLC; Neha Sahdev, Jack Wiener and Mariano Garcia, Halliburton
- SPE 179149 **A Case Study of Completion Effectiveness in the Eagle Ford Shale Using DAS/DTS Observations and Hydraulic Fracture Modeling**
B. Wheaton, K. Haustveit and W. Deeg, Devon Energy Corporation; J. Miskimins and R. Barree, Barree & Associates LLC
- SPE 173356 **Calculation and Implications of Breakdown Pressures in Directional Wellbore Stimulation**
R.D. Barree & J.L. Miskimins, Barree & Associates
- SPE 169565 **Use of Conventional Well Logs in Selective Completion Designs for Unconventional Reservoirs**
R.D. Barree, Barree & Associates, M.W. Conway, Core Laboratories, and J.L. Miskimins
- SPE 168612 **Economic Optimization of Horizontal Well Completions in Unconventional Reservoirs**
R.D. Barree, Barree & Associates, S.A. Cox, PetroEdge Energy III LLC, J.L. Miskimins, J.V. Gilbert, Barree & Associates and M.W. Conway, Core Laboratories
- SPE 168303 **Application of Integrated Advanced Diagnostics and Modeling to Improve Hydraulic Fracture Stimulation Analysis and Optimization**
Gustavo A. Ugueto, SPE, Michael Ehiwario, SPE, Abram Grae, SPE, Shell Exploration and Production Company Mathieu Molenaar, SPE, Shell Canada LTD, Kelly McCoy, SPE, Paul Huckabee, SPE, Shell E&P Company and Bob Barree, SPE, Barree & Associates LLC.
- SPE 167038 **Effects of High Pressure-Dependent Leakoff (PDL) and High Process Zoned Stress (PZS) on Stimulation Treatments and Production**
Muthukumarappan Ramurthy, Halliburton: Brian F. Fowler and H. Gordon Harris, University of Wyoming: Robert D. Barree, Barree & Associates
- SPE 151931 **Integrating Geology, Hydraulic Fracturing Modeling, and Reservoir Simulation in the Evaluation of Complex Fluvial Tight Gas Reservoirs**
K.M. Ramirez, P.H. Cuba, J.L. Miskimins, D.S. Anderson, and M.M.Carr.
- SPE 140413 **Impacts of Diverse Fluvial Depositional Environments on Hydraulic Fracture Growth in Tight Gas Reservoirs**
SPE Production & Operations Journal, February 2013 P.H. Cuba, J.L. Miskimins, D.S. Anderson, and M.M.Carr.
- SPE 134490 **A Comparison of Hydraulic-Fracture Modeling With Downhole and Surface Microseismic Data in a Stacked Fluvial Pay System**
SPE Production & Operations
- SPE 114171 **Unconventional Resource Play Evaluation: A Look at the Bakken Shale Play of North Dakota**
Cox, S.A., Cook, D.M, Dunek, K., Daniels, R., Jump, C. & Barree, B.
- SPE 107971 **Effects of High Pressure Dependent Leakoff and High Process Zone Stress in Coal Stimulation Treatments**
Ramurthy, M., Lyons, W., Hendrickson, R.B. Barree, R.D. Magill, D.P.
- SPE 106269 **Development of a Methodology for Hydraulic Fracturing Models in Tight, Massively Stacked, Lenticular Reservoirs**
Green, C.A., Barree, R.D., Miskimins, J.L.

CONDUCTIVITY & PRODUCTION

- SPE 194382-MS **Proppant Sieve Distribution – What Really Matters?**
R. D. Barree, R. J. Duenckel, B. T. Hlidek
- SPE 194355 **The Limits of Fluid Flow in Propped Fractures- the Disparity between Effective Flowing and Created Fracture Lengths**
R.D. Barree, Barree & Associates LLC; R.J. Duenckel and B.T. Hlidek, Stimlab Inc.
- SPE 187451 **Proppants- What 30 Years of Study has Taught Us**
R.J. Duenckel, Stim-Lab; R.D. Barree, Barree & Assocs. LLC; S. Drylie, L.G. O'Connell, K.L. Abney, Stim-Lab; M.W. Conway, Consultant; N. Moore, F. Chen, Stim-Lab
- SPE 179135 **Generic Correlations for Proppant Pack Conductivity**
R.D. Barree and J.L. Miskimins, Barree & Associates LLC; M.W. Conway and R. Duenckel, Stimlab Inc.
- SPE 123342 **Production Analysis of Multiply Fractured Horizontal Wells**
J.V. Gilbert & R.D. Barree, Barree & Associates LLC
- SPE 111285 **Evaluation of the Effect of Complex Reservoir Geometries and Completion Practices on Production Analysis**
Cox, S. A., Sutton, R. P., Stoltz, R. P., Barree, R. D. and Conway, M. W.
- SPE 109561 **Multiphase Non-Darcy Flow in Proppant Packs**
R.D. Barree, Barree & Associates LLC and M.W. Conway, Stim-Lab, Inc.
- SPE 89325 **Beyond Beta Factors: A Complete Model for Forchheimer and Trans-Forchheimer Flow in Porous Media**
R.D. Barree, and M.W. Conway
- SPE 84491 **Closing the Gap: Fracture Half Length from Design, Buildup, and Production Analysis**
R.D. Barree, S. A. Cox, J. V. Gilbert, and M. Dobson
- SPE 84306 **Realistic Assessment of Proppant Pack Conductivity for Material Selection**
R.D. Barree, S. A. Cox, V. L. Barree, and M.W. Conway

RE-FRACTURING

- SPE 184837-MS **Reservoir and Completion Considerations for the Refracturing of Horizontal Wells**
R.D. Barree, J.L. Miskimins, and K.J. Svatek
- SPE 173333 **Refracturing on Horizontal Wells in the Eagle Ford Shale in South Texas – One Operator's Perspective**
Mamadou Diakhate & Ayman Gazawi, Pioneer Natural Resources; Bob Barree, Barree & Associates; Manuel Cossio, Beau Tinnin, Beth McDonald, Gervasio Barzola, Pioneer Natural Resources
- SPE 30481 **Effect of Pressure Depletion on Fracture Geometry Evolution and Production Performance**
Hemanta Mukherjee and Bobby Poe, SPE, Dowell, a Division of Schlumberger Technology Corporation; Harmon Heidt, SPE, Amoco Production Company; Ty Watson, SPE, Dowell, a Division of Schlumberger Technology Corporation; and R.D. Barree, SPE, Marathon Oil Company

FRACTURING FLUIDS

- SPE 106085 **Selection of Stimulation Fluids and Treatment Design for Low Permeability Reservoirs**
Conway, M.W., Lindeman, S.W., and Barree, R.D.
- SPE 73755 **Zero Shear Viscosity Determination of Fracturing Fluids: An Essential Parameter in Proppant Transport Characterizations**
Asadi, M., Conway, M.W., Barree, R.D.

LEAKOFF

- SPE 107971 **Effects of High Pressure Dependent Leakoff and High Process Zone Stress in Coal Stimulation Treatments**
Ramurthy, M., Lyons, W., Hendrickson, R.B. Barree, R.D. Magill, D.P.
- SPE 60291 **Adapting High Permeability Leakoff Analysis to Low Permeability Sands for Estimating Reservoir Engineering Parameters**
Craig, D.P., Eberhard, M.J., and Barree, R.D.
- SPE 56597 **Incorporating Crossflow and Spurt-Loss Effects in Filtration Modeling Within a Fully 3D Fracture Growth Simulator**
McGowen, J.M., Barree, R.D. and Conway, M.W.
- SPE 36493 **Fracturing-Fluid Leakoff Under Dynamic Conditions
Part 2: Effect of Shear Rate, Permeability and Pressure**
S. Vitthal, SPE, and J.M. McGowen, SPE, Halliburton Energy Services
- SPE 36492 **Fracturing Fluid Leakoff Under Dynamic Conditions
Part 1: Development of a Realistic Laboratory testing Procedure**
J.M. McGowen, SPE, and S. Vitthal, SPE, Halliburton Energy Services
- SPE 36424 **Determination of Pressure Dependent Leakoff and Its Effect on Fracture Geometry**
Barree, R.D. and Mukherjee, H.

PROPPANT TRANSPORT

- SPE 191270-MS **An Investigation of Proppant Transport in Friction Reducer Fluid Systems Using a Large Slot Flow Apparatus**
S. Drylie, R. Duenckel, R.D. Barree, B. Hlidek
- SPE 67298 **Proppant Holdup, Bridging, and Screenout Behavior in Naturally Fractured Reservoirs**
Barree, R.D. and Conway, M.W.
- SPE 28564 **Experimental and Numerical Modeling of Convective Proppant Transport**
Barree, R.D. and Conway, M.W.
- SPE 18955 **A New Look at Fracture Tip Screenout Behavior**
Barree, R.D.

FRICTION

- SPE 122917 **An Effective Model for Pipe Friction Estimation in Hydraulic Fracturing Treatments**
R.D. Barree and J.V. Gilbert, Barree & Associates, and M.W. Conway, Stim-Lab, Inc.