

PUBLICATIONS:

A. Refereed Archival Journal Publications

120. Adepoju, Olaoluwa, Larry W. Lake, and Russel T. Johns, "investigation of Anisotropic Mixing in Miscible Displacements, SPE Reservoir and Evaluation Engineering, Feb. 2013, pp. 86-96.
119. Kaviani, Danial, Jerry L. Jensen, and Larry W. Lake "Estimation of Interwell Connectivity in the Case of Fluctuating Bottomhole Pressures," Journal of Petroleum Science and Engineering, vol. 90-91, (2012), pp. 79-95.
118. Kim, J.S., Lake, L.W., and Edgar, T.F. 2012. "Integrated Capacitance Resistive Model for Characterizing Waterflooded Reservoirs." International Federation of Automatic Control in Offshore Oil and Gas Production, Trondheim, Norway, 31 May-1 June 2012.
117. Balhoff, M., Lake, L., Bommer, P., Lewis, R., Weber, M., and Calderin, J., "Rheological and Yield Stress Measurements of Non-Newtonian Fluids using a Marsh Funnel," Journal of Petroleum Science and Engineering, vol. 77, no. 3-4, June 2011, pp. 393-402..
116. Jha, Raman, K., Larry W. Lake, and Steve L. Bryant, "The Effect of Diffusion on Dispersion," Soc. Pet. Eng. J., March 2011, vol. 16, no. 1, pp. 65-77.
115. Bickel, J. Eric, Larry W. Lake, and John Lehman, "Discretization, Simulation and Swanson's (Inaccurate) Mean, SPE Economics and Management, July 2011, pp. 128-140.
114. Metin, Cigdem O., Larry W. Lake, Caetano R. Miranda and Quoc P. Nguyen, "Stability of Aqueous Silica Nanoparticle Dispersions," J. of Nanoparticle Research, DOI: 10.1007.
113. Ettahadtavakkoi, A., Jablonowski, C., and Lake, L. W., "Gas Storage Facility Design Under Uncertainty," *SPE Management and Resources*, in press, 2010.
112. Jeong, C., Kallivokas, L.F., Huh, C., and Lake, L.W., Optimization of Sources for Focusing Wave Energy in Targeted Formations, *J. of Geophysics and Engineering*, 7, (2010), pp. 242-256. doi: 10.1088/1742-2131/7/3/003
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108. Sayapour, M., Zuluaga, E., Kabir, C.S., and Larry W. Lake, "The Use of Capacitance-Resistance Models for Rapid Estimation of Waterflood Performance and Optimization," *J. Pet. Sci. and Eng.*, 2009, doi: 10.1016/j.petro.2009.09.008, 12 p.
107. Rai, Khayti, Russell T. Johns, Larry W. Lake, and Mojdeh Delshad, "Oil Recovery Predictions for Surfactant Polymer Flooding," *SPE Reservoir Engineering*, in press, 2009.
106. Gilbert, R., Lake, L.W., Jablonowski, C., Jennings, J., and E. Nunez, "A Procedure for Assessing the Value of Oilfield Sensors," SPE Reservoir Engineering and Evaluation, August 2009, pp. 618-619.
105. Jha, Raman K., Abraham John, Steven L. Bryant, and Larry W. Lake, "Flow Reversal and Mixing," *SPE Journal*, March 2009, vol. 14, no. 1, pp. 41-49.
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103. John, Abraham K., Larry W. Lake, Carlos Torres-Verdin, and Sanjay Srinivasan, "Seismic Facies Identification and Classification Using Simple Statistics," *SPE Reservoir Engineering and Evaluation*, December 2008, pp. 984-990.
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 4. Hill, H.J. and Lake, L.W., "Cation Exchange in Chemical Flooding - Part 3, Chemical Flood Experiments," *SPE Journal*, Vol. 18, No. 6, December 1978, pp. 445-456.
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B. Other Publications

103. Venkataram, Ashwin, Larry W. Lake, and Russel T. Johns, "Gibbs Free Energy Minimization for Reactive Flow in Porous Media," SPE166448-MS, presented at the SPE Annual Technical Conference and Exhibition, New Orleans, LA, Sept. 30- Oct. 2, 2013.
102. Jain, Lokendra, and Larry W. Lake, "Upscaling of Miscible Floods: An Extension to Koval's Theory," SPE 166400, presented at the SPE Annual Technical Conference and Exhibition, New Orleans, LA, Sept. 30- Oct. 2, 2013.
101. Adepoju, Olaoluwa, Larry W. Lake, and Russel T. Johns, "Anisotropic Dispersion and Upscaling for Miscible Displacement," SPE 166390-MS, presented at the SPE Annual Technical Conference and Exhibition, New Orleans, LA, Sept. 30- Oct. 2, 2013.
100. Arscott, R. Lyn, Charles Fairhurst, and Larry W. Lake, "Grand Challenges for Earth Resources Engineering," *J. Pet. Tech.*, June 2012, pp. 66- 71.
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