

Other Publications by Dr. James A. Murtha

- J.A. Murtha, J. Ross, "Uncertainty and the Volumetric Equation", Guest Editorial, Journal of Petroleum Technology, September 2009.
- J.A. Murtha, R. Osorio, H. H. Perez, D. L. Kramer, R. J. Skinner, C. A. Williams, "Experimental Design: Three Contrasting Projects," Paper 121878 presented at the 2009 SPE Latin American and Caribbean Petroleum Engineering Conference held in Cartagena, Colombia, 31 May–3 June 2009.
- S.K. Peterson, J. De Wardt, and J.A. Murtha, "Risk and Uncertainty Management–Best Practices and Misapplications for Cost and Schedule Estimates," SPE 97269, presented at SPE Annual Technical Conference and Exhibition, 9-12 October 2005, Dallas, Texas.
- J.A. Murtha, "Sums and Products of Distributions: Rules of Thumb and Applications", Paper SPE 77422, presented at the SPE Annual Technical Conference and Exhibition, 29 September-2 October 2002, San Antonio, Texas.
- Murtha, J.A.: "Numerical Simulation of Power Law Fluid Flow in Vertically Fractured Cylindrical Reservoirs", Masters Thesis at Pennsylvania State University, May 1983.
- Murtha, J.A. and Ertekin, T.: "Numerical Simulation of Power Law Fluid Flow in Vertically Fractured Reservoirs," paper SPE 12011 presented at the 1983 Annual Technical Conference and Exhibition, San Francisco, CA, October 5-8.
- Murtha, J.A. et al.: "Reservoir Engineering and Treatment Design Technology," S. A. Holditch & Associates, Inc. Annual Report to the Gas Research Institute, December 1986 to November 1987, GRI Contract No. 5086-213-1446, December 1987.
- Murtha, J.A. et al.: "Reservoir Engineering and Treatment Design Technology," S. A. Holditch & Associates, Inc. Annual Report to the Gas Research Institute, December 1987 to November 1988, GRI Contract No. 5086-213-1446, December 1988.
- Murtha, J.A.: "Infill Drilling in the Clinton: Monte Carlo Techniques Applied to the Material Balance Equation," paper SPE 17066 presented at the 1987 Eastern Regional Meeting, Pittsburgh, PA, October 21-23.
- Murtha, J.A. et al.: "Practical Methods for Analyzing Well Test and Production Data from Devonian Shale Reservoirs," S. A. Holditch & Associates, Inc. Topical Report to the Gas Research Institute, GRI Contract No. 5086-213-1446. October 1987.
- Murtha, J.A. and Lancaster, D.E.: "Practical Problems in Testing Devonian Shale Gas Wells," paper SPE 19513 presented at the 1989 Eastern Regional Meeting, Morgantown, WV, Oct. 26-27. A revised version appeared in the Gas Research Institute Quarterly Research Review, Fall 1990.
- Murtha, J.A. and Lancaster, D.E.: "Using Measured Flow Rate and Bottomhole Pressure Data to Analyze a Fracture Treatment in a Devonian Shale Wells," paper SPE 21276 presented at the 1990 Eastern Regional Meeting, Columbus, OH, October 31-November 2.
- Murtha, J.A. and Cress, W.D.: "Integrating Spreadsheets with Other Software Tools," presented at the 1989 Southwest Regional Meeting of the American Society for Engineering Education, Lubbock, TX, April 3-4 and subsequently published in *SPE Computer Applications News*, May-June 1990.
- Murtha, J.A.: "Document Those Spreadsheets, *SPE Computer Applications News*, July-August 1990.
- Murtha, J.A.: "Solving Petroleum Engineering Problems Using Numerical Differentiation and Integration," *SPE Computer Applications News*, January-February 1991.
- Murtha, J.A.: "It's Time to Quit Teaching FORTRAN to Engineers," paper SPE 24448 presented at the 1992 Petroleum Computer Conference, Houston, TX, July 19-22, also published in *SPE Computer Applications News*, November-December, 1992.
- Murtha, J.A.: "Incorporating Historical data into Monte Carlo Simulation Using Spreadsheets," paper SPE 26245 presented at the 1993 Petroleum Computer Conference, New Orleans, LA, July 11-14. SPECA, April 1994.
- Peterson, S.K., Murtha, J.A., and Schneider, F.F.: "Risk Analysis and Monte Carlo Simulation Applied to the Generation of Drilling AFE Estimates," paper SPE 26339 presented at the 1993 Annual Technical Conference and Exhibition, Houston, October 3-6.
- Murtha, J.A.: "Estimating Reserves and Success for a Prospect With Geologically Dependent Layers," paper SPE 30040, presented at the 1995 SPE/SPEE Hydrocarbon Economics and Evaluation Symposium, Dallas, 26-28 Feb.
- Murtha, J.A. and Janusz, G.J., "Spreadsheets Generate and Validate Uncertainty Distributions," Oil and Gas J. 13 March 1995.
- Peterson, S.K., Murtha, J. A., and Roberts, R.W.: "Drilling Performance Predictions: Case Studies Illustrating the Use of Risk Analysis" paper SPE 26339 presented at the SPE/IADC Drilling Conference, Amsterdam, The Netherlands, 28 February - 02 March 1995.
- Murtha, J.A.: "Foundations of Probability and Statistics for Reserves Estimation," invited lecturer for SPE Forum on Risk and Confidence for Reserve Evaluation, Snowmass, 30 July- 4 August, 1995.
- Murtha, J.A.: "Risk and Decision Analysis Software," *SPE Computer Applications*, August, 1997.
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- Murtha, J. A. and Peterson, S. K.: "Another Look at Layered Prospects," paper SPE 37932 presented at the 2001 Annual Technical Conference and Exhibition, New Orleans, 1-3 October 2001.
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- Murtha, J. A., "Some Challenges for Monte Carlo Simulation," in SPE Pillars publication for young Engineers, Spring 2006.
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