

**Other Publications by
Dr. James Murtha**

- 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 lecture 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.
- Murtha, J. A. "Monte Carlo Simulation: Its Status and Future (Distinguished Author Series), JPT, (April 1997) 361, also presented as paper SPE 37932 at the 1997 Annual Technical Conference and Exhibition, San Antonio, 5-8 October 1997