Quantification of Uncertainty in Shale Gas Resource Estimates

Steve Lyster¹

¹Energy Resources Conservation Board, Edmonton, Alberta, Canada

Abstract

The Energy Resources Conservation Board (ERCB) has developed a methodology for quantifying the uncertainty in shale gas resource estimates. This methodology incorporates all available data and accounts for the uncertainty in the variables in several different ways. Geostatistical mapping, linear regression, expert interpretation, and stochastic simulation are applied in this method.