

## **The Importance of the Integrated Approach to Evaluate Tight Gas and Liquid-rich Plays**

**S.P. Cheung<sup>1</sup> and R.K. Strom<sup>1</sup>**

<sup>1</sup>*Calgary Rock and Materials Services Inc., Calgary, Alberta*

### **Abstract**

Standard analysis of rock samples has not significantly changed in the past, despite drastic changes in our reservoir rock. The focus has shifted from macro to micro details. The amount of testing required has shifted from few to multiple data sets. This shift in paradigm has been embraced in some ways but largely not accepted in industry today. The majority of testing performed is basic and the level of detail is insufficient to properly characterize the rock. An integrated approach is proposed to properly investigate the rock and take advantage of multiple tests required. The collaboration of multiple data sets is a powerful tool that must be used to investigate the fine-grained rock samples that comprise our reservoirs today.