

Unconventional Gas - Prediction and Production

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Abstract

Shale Gas and CBM constitute the key unconventional reservoirs of the day. Significant advances in measurement technologies like very high resolution logging and downhole spectral analysis combined with innovative interpretation techniques specially developed for the Canadian geology, give us the ability to draw a very elaborate picture of the potential rock, both in the case of CBM and Shale gas. The ability to define the mineralogical model accurately, allows us to minimize the expensive and restrictive process of fullbore core analysis along the whole reservoir. Instead selective coring can provide meaningful input for the validation of the interpretation model. A validated interpretation model can then be applied across the field providing the ability to predict key production parameters