

## **A Horn River Basin Case Study**

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### **Summary**

Stone Mountain Resources Ltd. became active in the Horn River Basin in 2007 and is currently actively developing its Horn River Basin properties for Shale Gas production. As part of their company philosophy, Stone Mountain recognizes that one of the keys to making this play successful is having a detailed, technical understanding of the reservoir. To ensure that the necessary information is available, Stone Mountain has acquired a large amount of subsurface data, as well as other information, and has analyzed all of this data to better understand the nature of the reservoir and how it might respond to different completion procedures. Stone Mountain believes that to date this approach has yielded much useful information. In this talk Stone Mountain would like to share some of this information with the industry in a geoscience case study of one of our wells.

### **Points of Discussion**

- 1) Geological setting & cross section
- 2) Target zones in a vertical well
- 3) Volumetric analysis of vertical well; details of lithology, organic carbon, free porosity
- 4) Geomechanical Analysis of vertical well, discussion of frac barriers
- 5) Core analysis
- 6) Choice of completion zone and technique
- 7) Microseismic results