

## Well Site Techniques for the Study of Unconventional Reservoirs

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This is an ongoing study in which we examine different analytical techniques that can be used on the unconventional Marcellus Shale reservoir. We will be looking at the blender gas technique and how it can be improved to provide better data on gas contained within the cuttings. We will also look at the calcimetry tests and how they can be used to help identify zones of natural fractures. From these techniques, the surface logger on location can gain a better understanding of the Marcellus Shale. A better understanding can help the client geologist more accurately identify areas to induce the artificial hydraulic fracturing.