

## **A Diagnostic Approach to Diversion Analysis and Optimal Lateral Length in the Midcontinent**

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### **ABSTRACT**

This talk will begin with a short introduction to the SPE co-sponsored session on completions.

Completion diagnostics continue to play an ever increasing role in answering tough questions faced by our industry across a variety of hydrocarbon plays. Two case histories are presented during this talk and will include examples of the application of this technology to completions in the Midcontinent.

The first case history evaluates the effectiveness of diverter during new well completions. Diversion continues to be an area of interest as a cost effective method to contact more rock during the stimulation treatment. Stage coverage is evaluated in addition to the diversion of the stimulation treatment over time.

The second case history addresses the contribution of laterals of various lengths. Extended laterals are being drilled and discussed in many areas as a way of reducing cost. Contribution is monitored over time of at various points along the lateral through the use of completion diagnostics.