

Re-fracturing Horizontal Shale Wells in the Woodford and Eagle Ford – A Case History

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Abstract

Multi-stage horizontal well stimulation treatments have been the key completion approach driving the recent US shale revolution, primarily using Plug & Perf. As many of these shale plays mature, it is becoming increasingly apparent that the majority of the wells have not been effectively stimulated, with high efficiency rarely being achieved resulting in only partial coverage. In fulfilling the desire to complete these wells in a timely manner, it is now apparent that there likely remains a significant portion of unstimulated pay in a typical well post completion. This presentation will review the target, candidate selection process, operations and results of re-fracturing 16 Woodford and Eagle Ford wells.