

Tight Gas Sands Uinta Basin, Mesaverde Formation Well Case History

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Summary

This comprehensive case history starts with conventional core evaluation beginning on at the pore system level through production analysis. Detailed geological, petrophysical, geomechanical data are used for petrophysical log model development and 3 D fracture modeling. Laboratory completion laboratory test results are used to make completion recommendations. Production and test results are used for well production analysis to comprise a complete well case history on this fracture stimulated tight gas sand well. From the pore system through the 3-D Frac design the work on this well relates reservoir facies, reservoir quality, petrophysical properties and geomechanical properties to stimulation methods and production performance.