

Applying Fundamentals “101” of Unconventional Shale Production to the Exploration and Development of the Wolfcamp “A”, Wolfcamp “B”, and Lower Spraberry Shale – A Case Study*

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Abstract

This presentation provides a brief review of the fundamentals of hydrocarbon production from unconventional reservoirs; i.e., how does a shale produce with no conventional permeability(?). We will also review the three factors of rock mechanics necessary for commercial production in unconventional reservoirs using a recent 20,000 acre case study to identify a reservoir target for exploration and development.