

Geoscience Integration: Extracting Value from Seismic Data Observations – Implications to Utica/Point Pleasant Development

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Abstract

Modern day exploration, exploitation and development in un-conventional plays has increased demands on the geoscientist to go beyond conventional thinking and expand the scope of prospecting. Incorporating well data with large volume 3D seismic data we are able to extract regional basin scale observations with smaller scale localized attributes to extract meaningful interpretations.

By nature of the definition of an “unconventional play”, analysis and assessing the value of seismic requires an unconventional approach. Large volume, high resolution data offers the advantage of providing insight to regional tectonic influences on depositional environments and structural over prints. Con-currently, additional information gleaned from seismic character and attribute analysis is integrated into modern work flows to establish local scale relationships and predictions on well performance.

This presentation provides early observations of relationships between well data and seismic that require further analysis and should lead to improved well performance and trend de-lineation within the Utica/Point Pleasant.