

# **Structural Influences on Low Accommodation Basal Quartz “A” Sandstones: Countess Lower Mannville “Z”, Alderson Lower Mannville “D4D” and Alderson Lower Mannville “C5C” Pools**

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## **ABSTRACT**

Recent pool and local area studies focusing on low accommodation Basal Quartz “A” sandstones have shown a key set of observations that appear to be portable in a regional setting. These observations indicate that paleovalley geometry and orientation, fluid migration pathways, subsequent porosity enhancement and reservoir anisotropy are predominately fault controlled. Three Lower Mannville Pools will be presented as good examples of Basal Quartz reservoirs that illustrate the significance of structural/tectonic controls on deposition, porosity enhancement and ultimately reservoir compartmentalization.