## Chemostratigraphic Differentiation Between Time-Equivalent Low Accommodation Incised Valley Systems in a Foreland Basin Setting: An example from the Lower Cretaceous Horsefly Unit of the Basal Quartz Formation in Southern Alberta, Canada

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Abstract/Excerpt

Low-accommodation, non-marine settings commonly contain significant oil and gas accumulations. The development of rigorous stratigraphic frameworks in such lowaccommodation settings is often problematic due to polyphase erosion and incision resulting in lithologically similar, but chronostratigraphically different units being juxtaposed. Furthermore, the common lack of regionally extensive marker beds and poor biostratigraphic control make correlation problematic. Therefore, alternative stratigraphic techniques that enable each depositional tract to be characterized regardless of its spatial distribution are required.