Facilitating interpretation of depositional features in the McMurray Formation through the use of seismic multi-attribute analysis (MAA) volumes

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Abstract

Interpretation of subtle depositional features, like point bar sequences in the McMurray Formation in the Athabasca oil sands region of northeastern Alberta, can be made significantly easier through the use of multi-attribute seismic (MAA) volumes. These volumes approximate well log properties between existing wells from seismic data. MAA volumes have been shown to be useful for identifying sands and shales in the McMurray Formation and we are now using these volumes to facilitate the interpretation of large scale depositional elements within the McMurray Formation.