

Comparative Regional Rock Properties/Trends and Oddities seen in the Duvernay Formation

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Abstract

Geologists have known about the Duvernay Formation since the mid-20th Century. Firstly, as the source rock for the prolific conventional oil and gas discoveries in the Leduc and Swan Hills carbonate complexes. Now the Duvernay is seen in a much different light – as a shale oil/gas play – a phenomenon that seems to have taken over the world in terms of oil and gas exploration. Fall 2009 saw the beginnings of the Duvernay land sale rush, with a 300% increase in area sold with Duvernay rights (Low, 2012). From 2011 to present, detailed core and petrophysical analysis is being conducted in order to characterize this play (Low, 2012). A number of horizontal wells have now been completed and are producing, showing promising liquid-rich potential.

References Cited

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