

Hydrocarbon Systems in the Frontier Paleozoic Basins of Eastern Canada – Recent Data and Synthesis

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Abstract/Excerpt

Three major hydrocarbon systems have been recognized in the Paleozoic rocks of eastern Canada, all differ with regard of source rocks, reservoirs and traps and seals.

The Taconian system has multiple potential source rocks; hydrothermal dolomites are huge producers in the USA and tectono-diagenetic traps are common.

The Acadian system is likely feed from the Ordovician source rocks, both clastics and hydrothermal dolomites are producing, Foothill-style traps have the greatest potential.

The Alleghenian systems are characterized by excellent lacustrine and coal measures for source rocks. Fluvial and deltaic sandstones have a good production record and combined stratigraphictectonic-salt seals and traps are multiple.