

Hydrocarbon Potential of the Paleozoic Basins of Eastern Canada: An Assessment of Conventional Resources

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Abstract

In 2009, the Geological Survey of Canada released its evaluation of the conventional hydrocarbon potential of the Paleozoic basins of eastern Canada (Lavoie et al., 2009). The hydrocarbon resource assessment was based on over 20 years of collaborative research by the GSC and provincial partners. Fifteen petroleum plays were recognized in the Paleozoic basins in eastern Canada, with six having sufficient exploration or production data for quantitative assessments. The assessed plays have a combined P50 in place potential of 1170*10⁹ m³ (41 Tcf) of natural gas and 403*10⁶ m³ (2.5 BBO) of oil. Most of the potential for the assessed plays occurs in the Carboniferous Maritimes Basin.