

## **Selected Core from the Albert Formation (Mississippian), Moncton Basin, Southern New Brunswick**

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### **Abstract**

The Moncton Basin is located in the southeastern part of New Brunswick (Fig. 1) and has a long history of petroleum activity. In the area ~25 km S of Moncton there has been mining of solid bitumen, Albertite, at Albert Mines (1850's); minor and intermittent production of oil/gas at Dover and Saint-Joseph (1859 to 1905); and oil and gas production at Stoney Creek (1911 to 1991 - gas was piped to the city for ~80 years). Stoney Creek gas is sweet, but wet, and the oil (total in place ~2.1 x 10<sup>6</sup> m<sup>3</sup> with <5% recovered to date) is paraffinic with a pour point of over 70C (45oF). Numerous appraisals of the oil shale in the area (e.g. Shell Albert Mines # 4 borehole) have also been undertaken periodically. In 2000, focus shifted 80 km west, where the McCully Gas Field (~1 TCF in place) was discovered, east of Sussex, by Corridor Resources Inc. and Potash Corporation of Saskatchewan (PCS). The A-67 discovery well (initial flow: 2.5 mcf p. day), and adjacent P-66 well currently produce gas for the PCS mill, but a link to the M&NE pipeline (Fig. 1) is planned to go into operation in late 2006. Approx. 17bcf (proven, ~120 bcf P2) remains in this production area (8% of the total joint venture area). Beyond the joint venture area, 8 km east of the currently producing wells, Well H-28 (EOG-Corridor) also intersected a higher pressure regime below 3km depth.