

Gas Resource Estimate and a Brief Exploration History of the Beaufort/Mackenzie Basin

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An assessment of the Mackenzie Delta and Beaufort Sea area suggests that the expected gas endowment will be around 46 Tcf. This talk will outline the input parameters and geological models used in the data set to arrive at this number. The talk will outline the expected play types, number and size of the gas accumulations associated with these play types, and the resulting output using the Petrimex program.

The geological and geophysical database consists of 247 wells, thousands of kilometers of seismic, plus a thorough analysis of this dataset by government and industry professionals. This data was accumulated during the period 1964-1988. This period was the initial round of exploration when many diverse operators conducted exploration activity, and developed many innovative technologies to deal with operations in this harsh, challenging, and isolated environment. A brief review of historical photos will be presented from the author's collection of these operations.