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**Petroleum discoveries in the Bay  
St. George Basin of western Newfoundland**

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Vulcan Minerals has been exploring for petroleum in the northern part of the Carboniferous Bay St. George Basin for several years. The company has acquired a significant database of geophysical and geological information as it unravels the geological evolution of the basin. During 2009, two deep wells were drilled, providing new insights into the petroleum system. Both wells encountered a significant thickness of gas-charged sediments suggesting that the petroleum traps are of potentially commercial scale. Production testing of the wells planned for the spring of this year will be required to determine if commercial flow-rates will be attainable. A review of the petroleum geology of the basin will be presented in light of the new gas discovery.