There are many geologic factors that may bear consideration in the generation and occurrence of shallow natural gas in the Northern Great Plains. The fractures, and movement of fluids within, may be quite complex and the fracture systems extensive.

- Could areas of near-surface ice-thrust materials be places where gas escaped during thrusting? As a result, large, buried ice-thrust slabs are closely associated with buried aquifers. Thrusting provinces – is covered by a nearly 100 to 300 meters (325 to 1000 feet) thick layer of glacial sediments.

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Conceptual Geologic Models of Shallow Natural Gas Occurrence

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