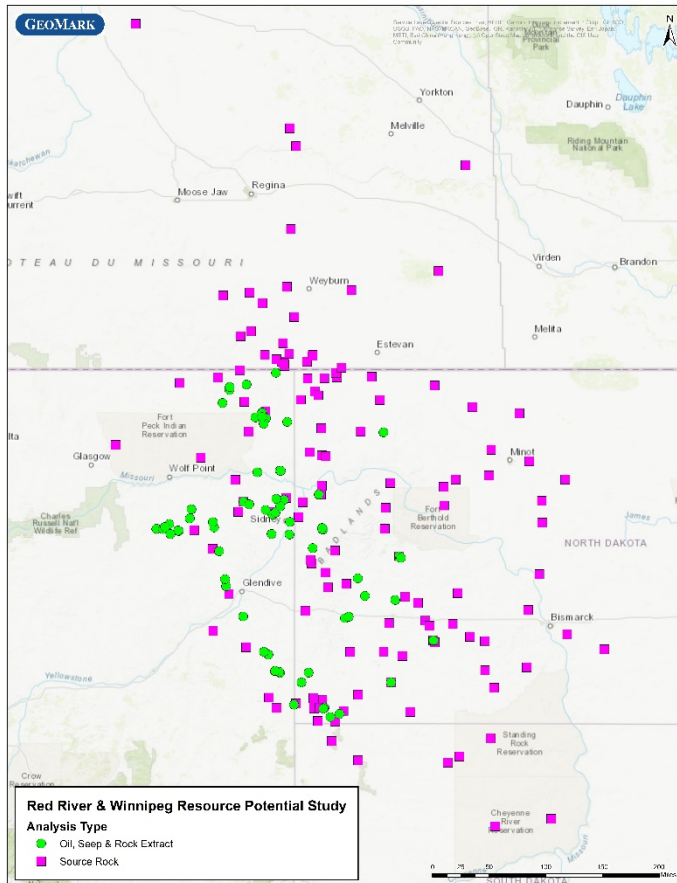


Red River Winnipeg Petroleum System Study

Geochemistry and Exploration Significance of Oils and Source Rock Samples from the Ordovician Section of the Williston Basin



GeoMark Research has completed a regional assessment of the resource potential of the Ordovician section of the Williston Basin. The study evaluates numerous units but concentrates mainly on the Red River and Winnipeg formations. The study maps the source potential for oil, condensate, and gas and concludes with an estimation of oil and/or gas in place. In its entirety, the study involves the source rock analysis of over 350 rock samples from over 100 individual wells and the detailed analysis of over 90 oil samples that have been sourced by the Ordovician section in the Williston Basin.

Key conclusions of this study include:

- An organic geochemical characterization of the Ordovician formations across the basin.
- Maps of the extent of Ordovician-sourced oils, including changes in facies, thermal maturity, and overall hydrocarbon potential.
- Maps of present-day organic richness, calculated original richness, quantities of hydrocarbon generated, and estimates of hydrocarbons in place,
- Complete characterization of unmixed oil families, and evaluation of percentages of mixed samples and the consequence of mixing on fluid quality.

This interpretive assessment is finished and ready for delivery as a PDF and ArcGIS product. Data used in this interpretation is available for a separate subscription fee. Please contact GeoMark research for more information.

Samples: 385 Source Rocks
92 Oils
205 Total Wells

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