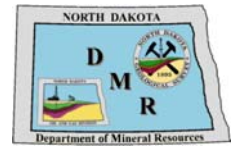




NORTH DAKOTA GEOLOGICAL SURVEY

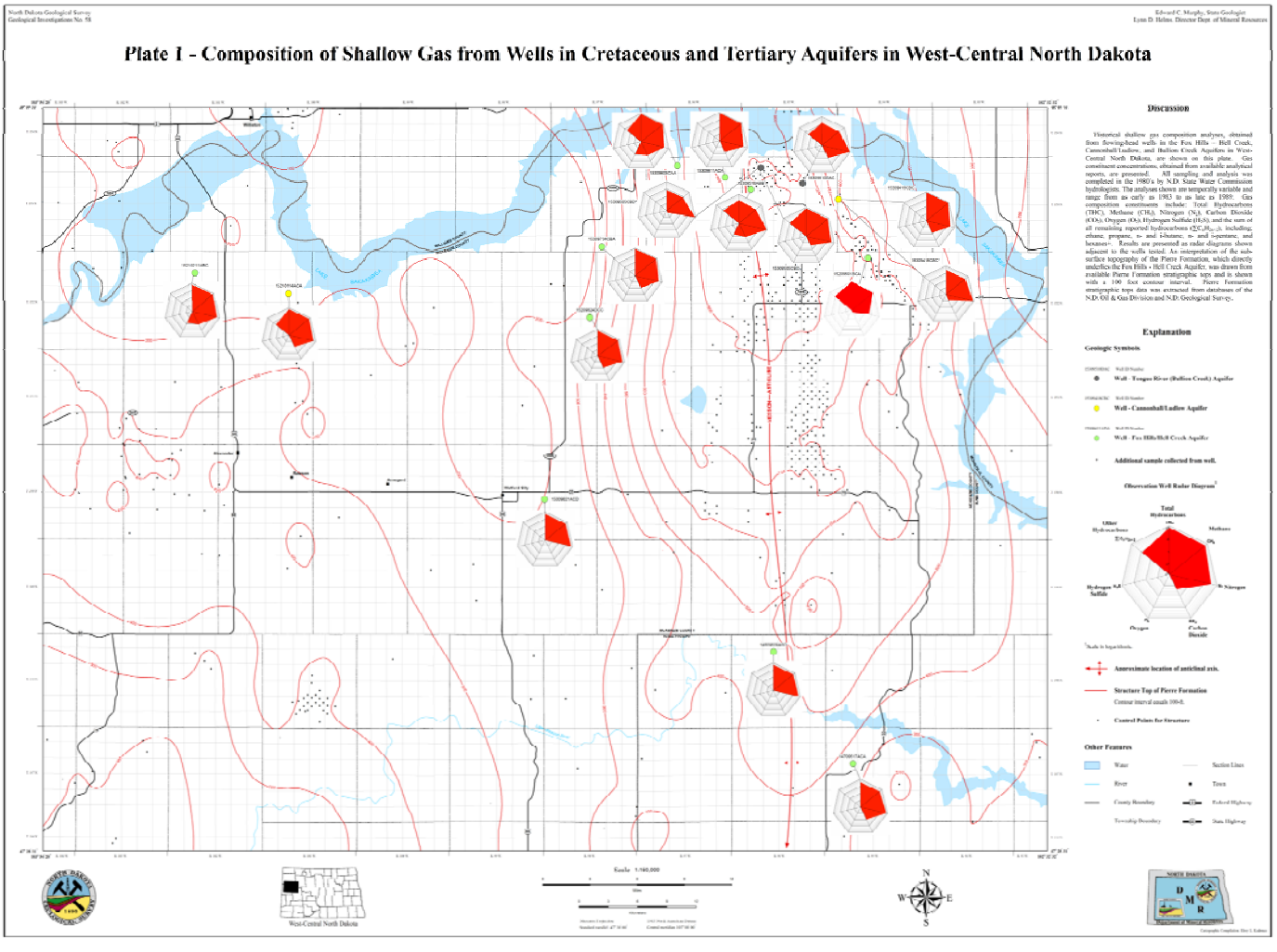
Geological Information for North Dakota

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HISTORICAL SHALLOW NATURAL GAS OCCURRENCES IN CRETACEOUS AND TERTIARY AQUIFERS IN WEST-CENTRAL NORTH DAKOTA

Plate I - Composition of Shallow Gas from Wells in Cretaceous and Tertiary Aquifers in West-Central North Dakota



1:150,000 scale map of shallow gas composition data collected from wells screened in Cretaceous and Tertiary aquifers in west-central North Dakota.

NDGS GEOLOGICAL INVESTIGATIONS No. 58 (GI-58)

The North Dakota Geological Survey has recently completed an investigation of historical natural gas occurrences and composition in west-central North Dakota. Water-supply wells completed in Cretaceous and Tertiary aquifers were sampled for gas composition during hydrologic monitoring in the 1980's. Gas composition analyses from 14 wells are described along with a brief summary of individual well information and a brief discussion on likely gas sourcing. Structure contours with a 100-foot contour interval drawn on top of the Cretaceous Pierre Formation are also depicted.

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