

**Open Minds – Open Acres
Should
Open New Plays In Nebraska**

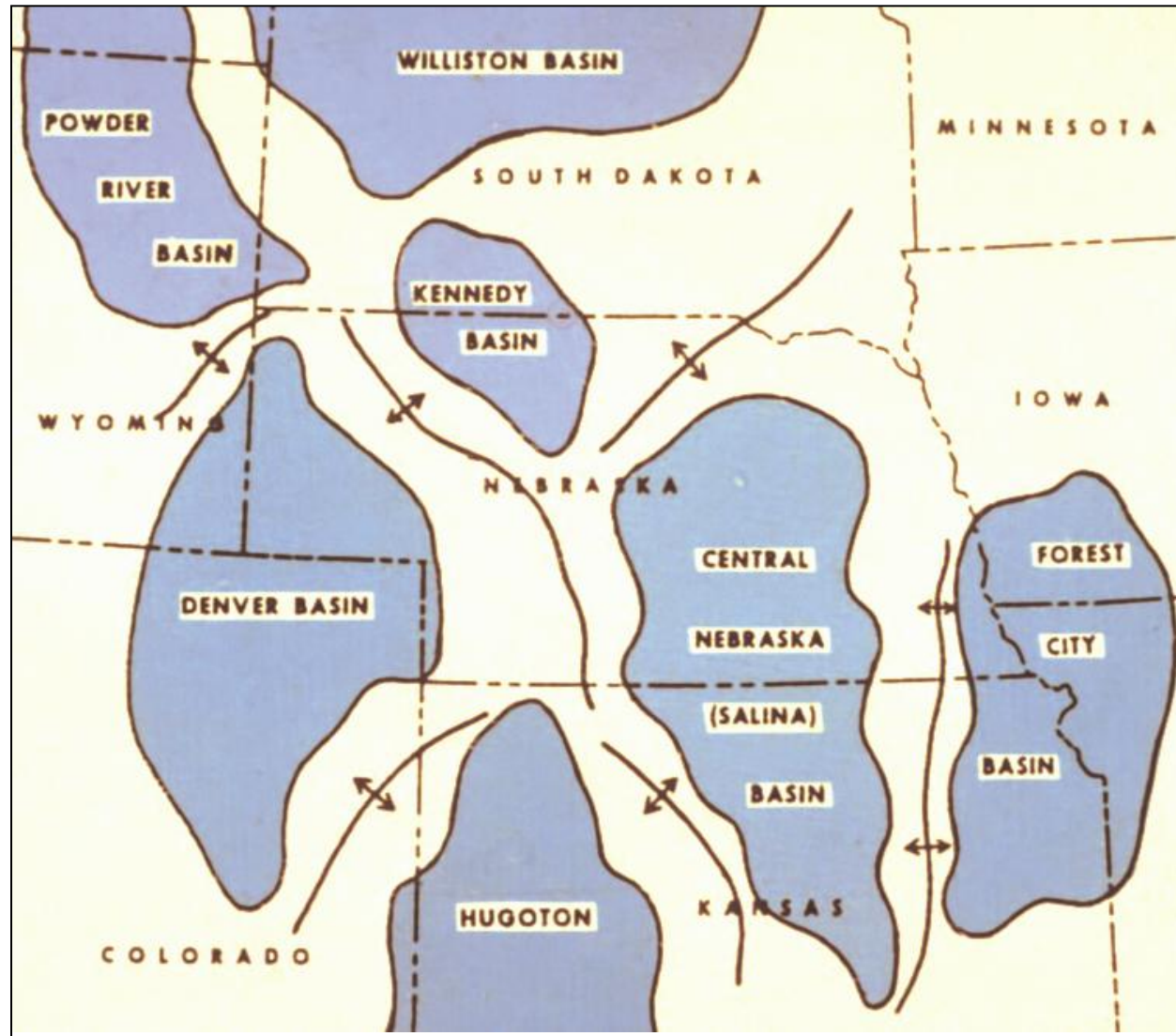
Marvin P. Carlson

Emeritus, Nebraska Geological Survey

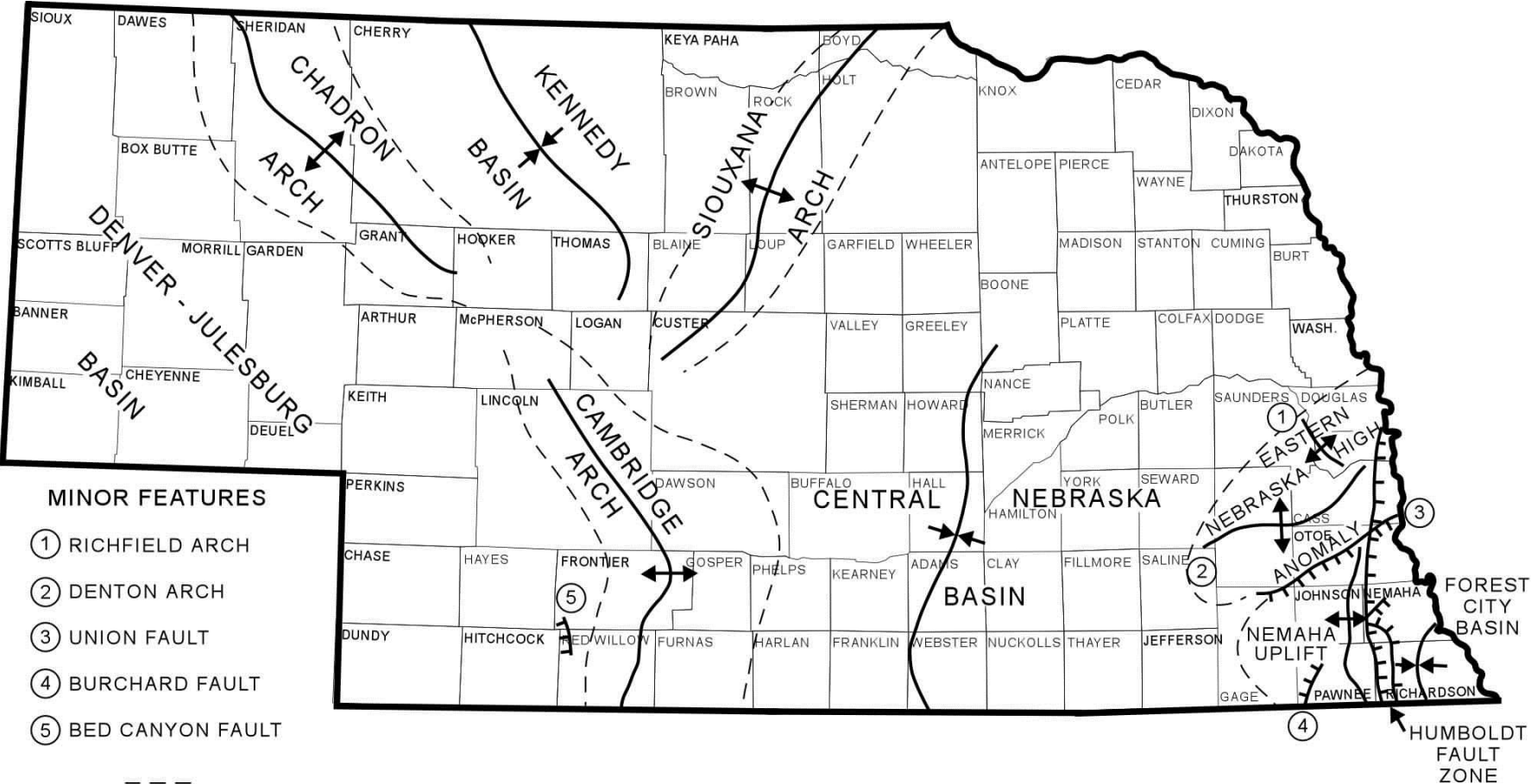
William H. Sydow

Nebraska Oil and Gas Conservation Commission

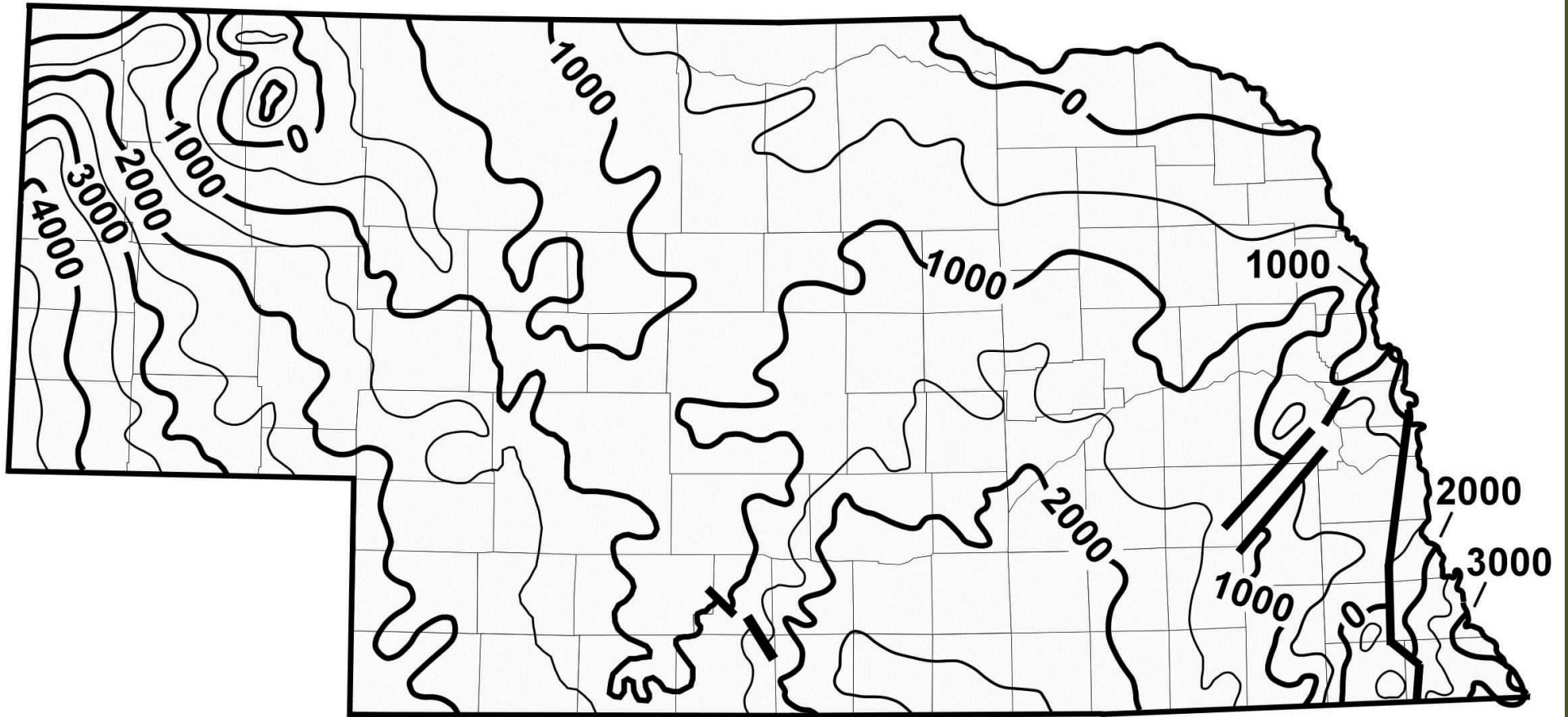
Structural Features, Region



Old Structural Features, Nebraska

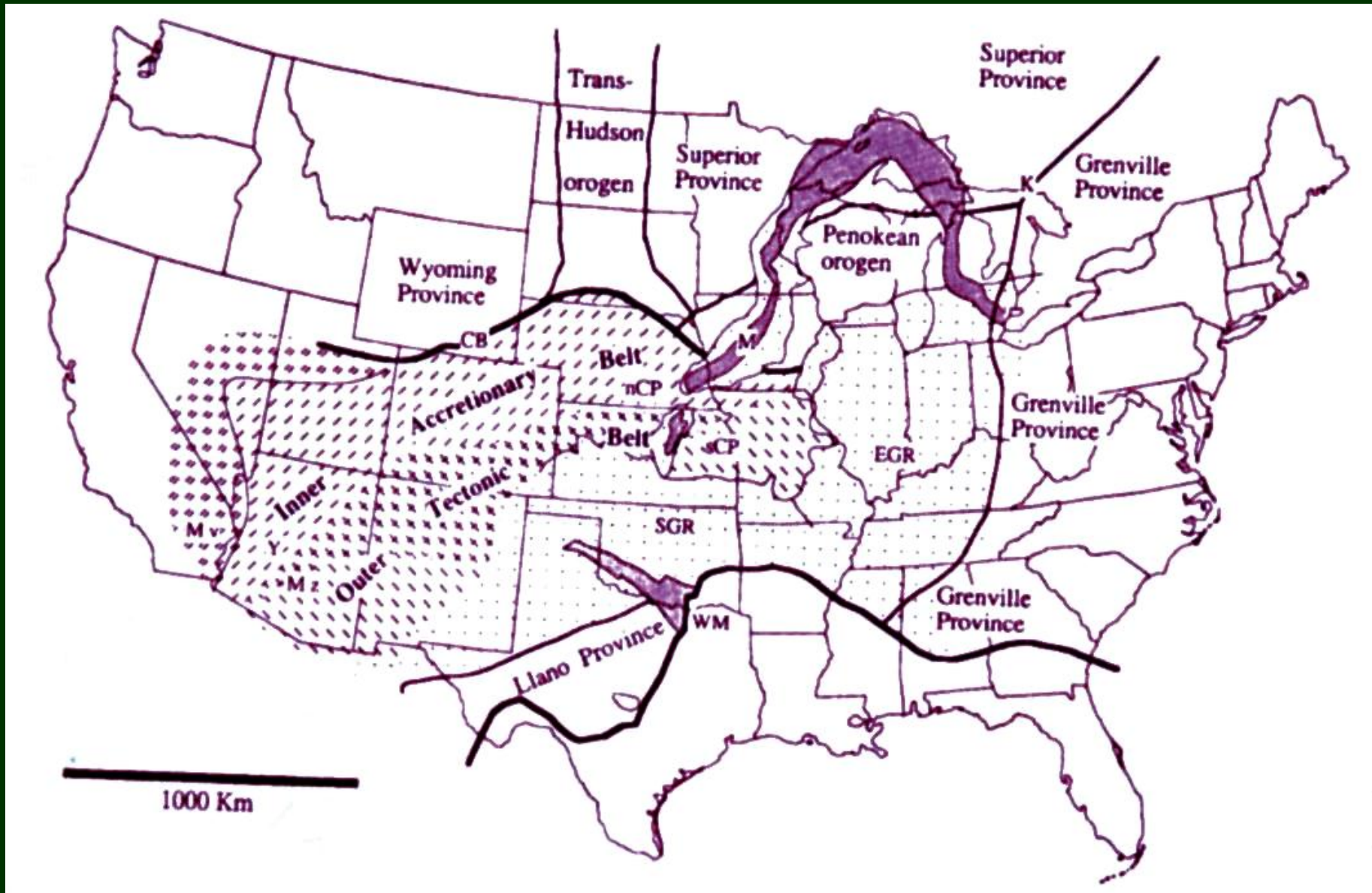


Precambrian Configuration

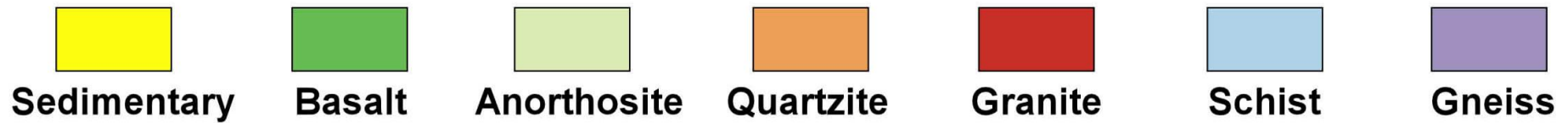
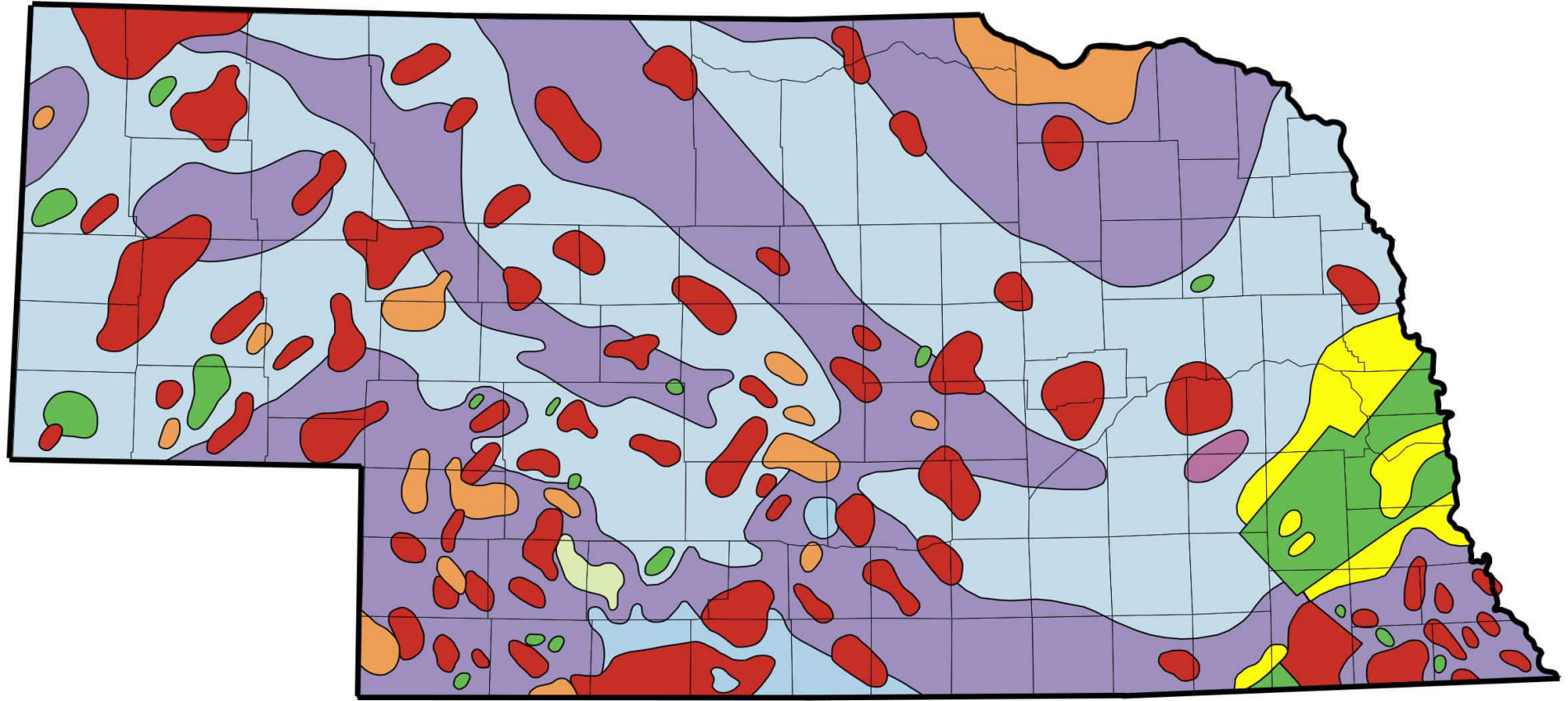


Carlson, 2000

DNAG Precambrian

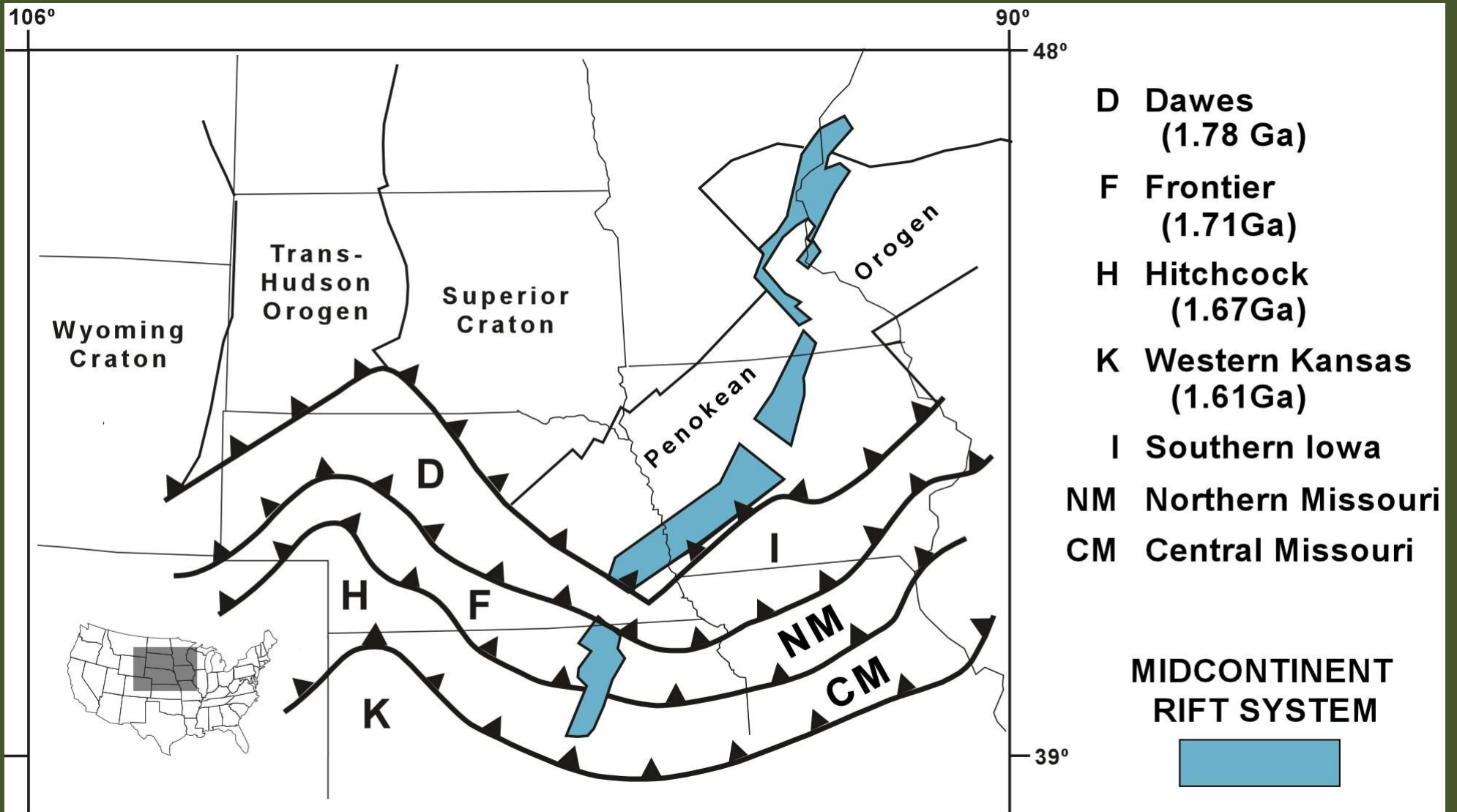


Basement Rock Type, Nebraska

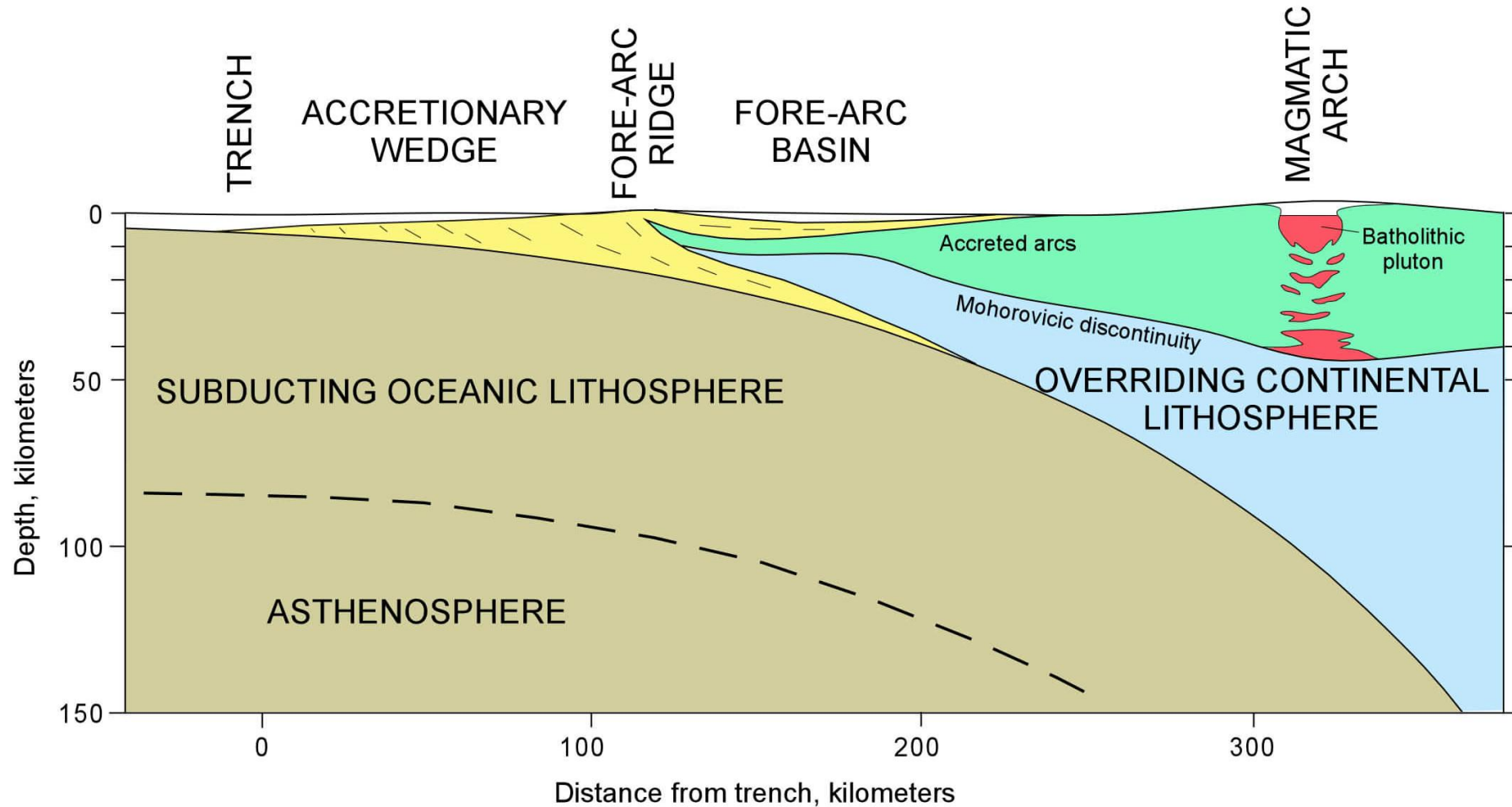


Carlson and Treves, 2000

Sutures/Terranes

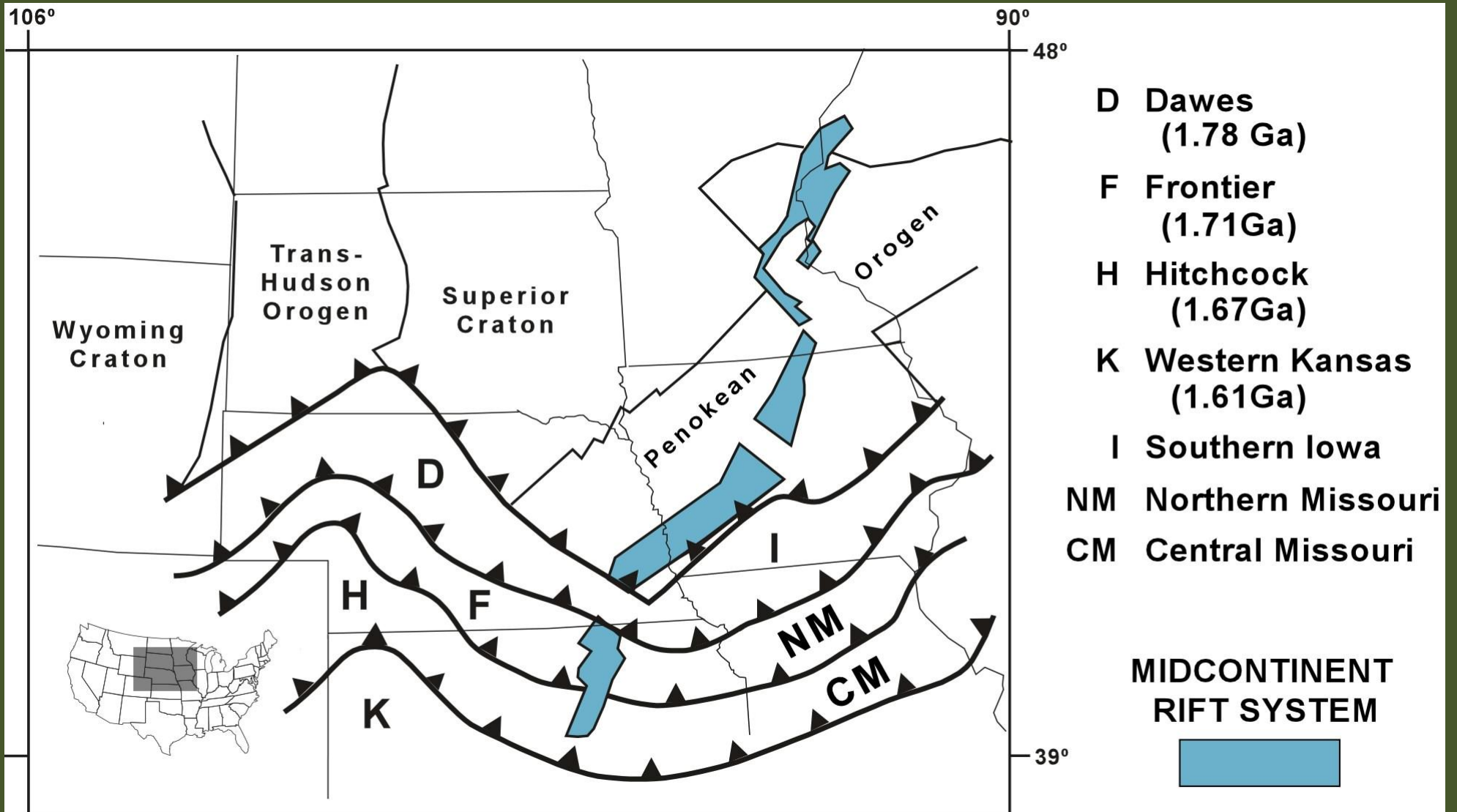


Diagrammatic Section across a Continental-Margin Subduction System

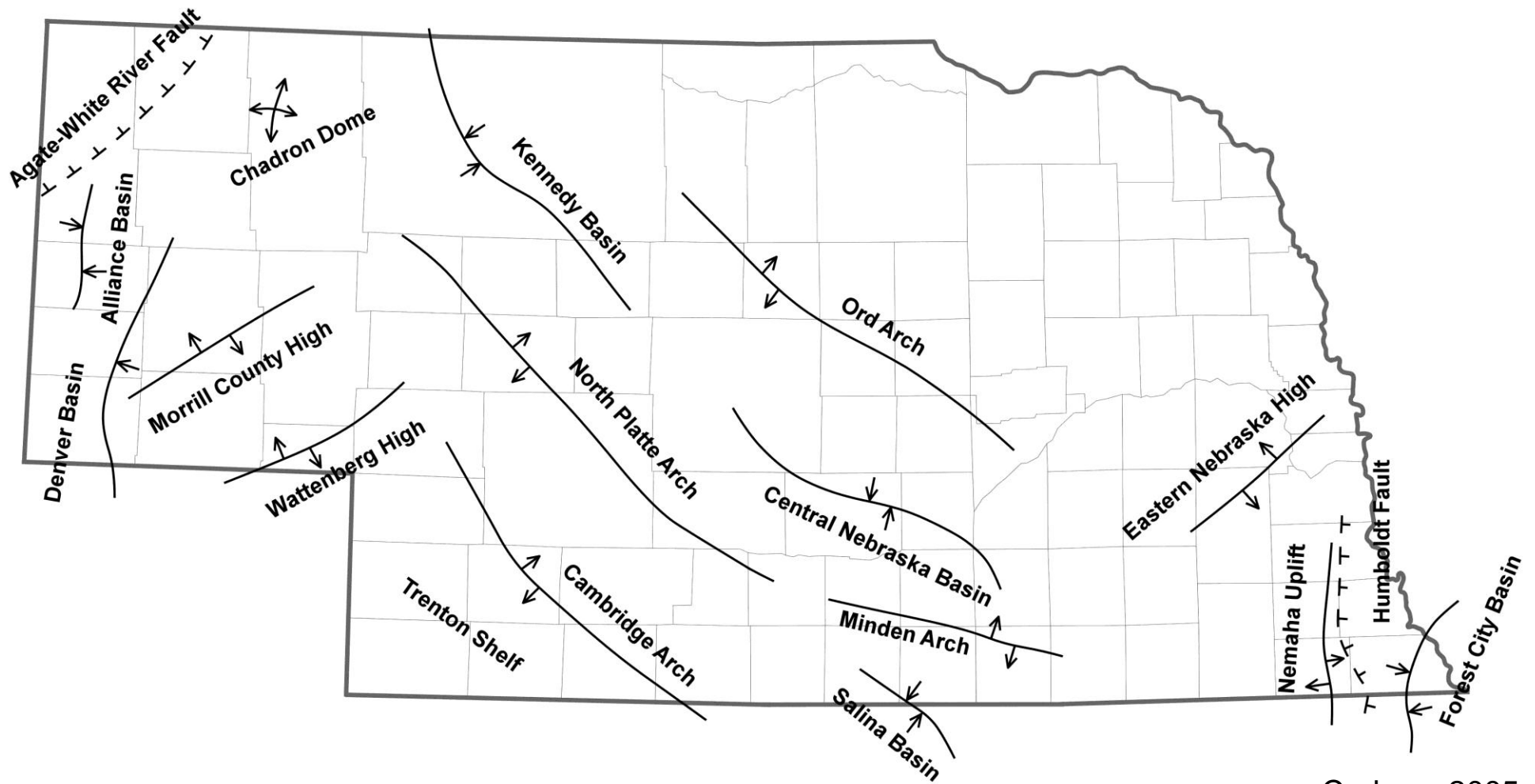


(modified from Hamilton, 1988)

Sutures/Terranes

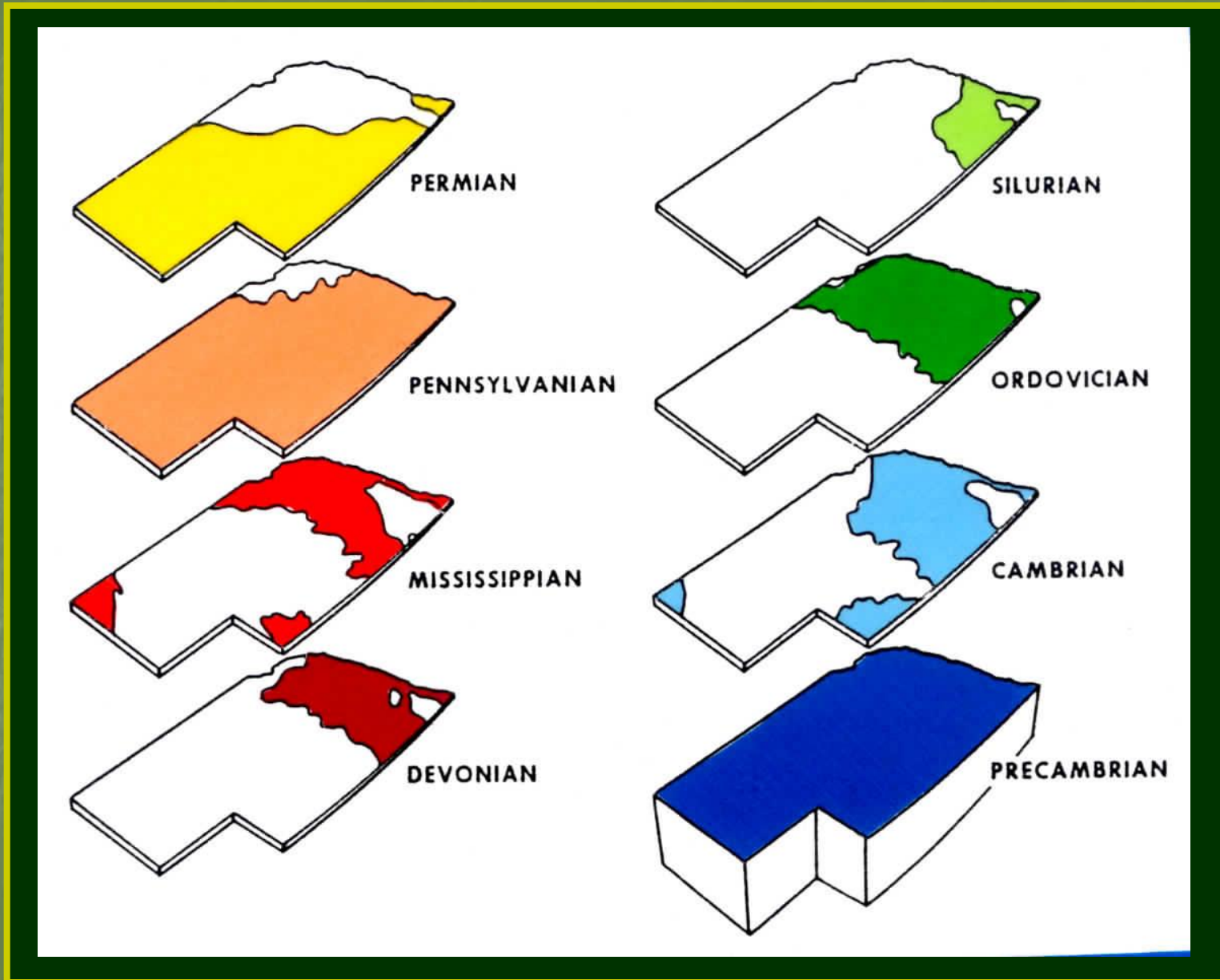


Revised Structural Features, Nebraska



Carlson, 2005

Paleozoic Summary



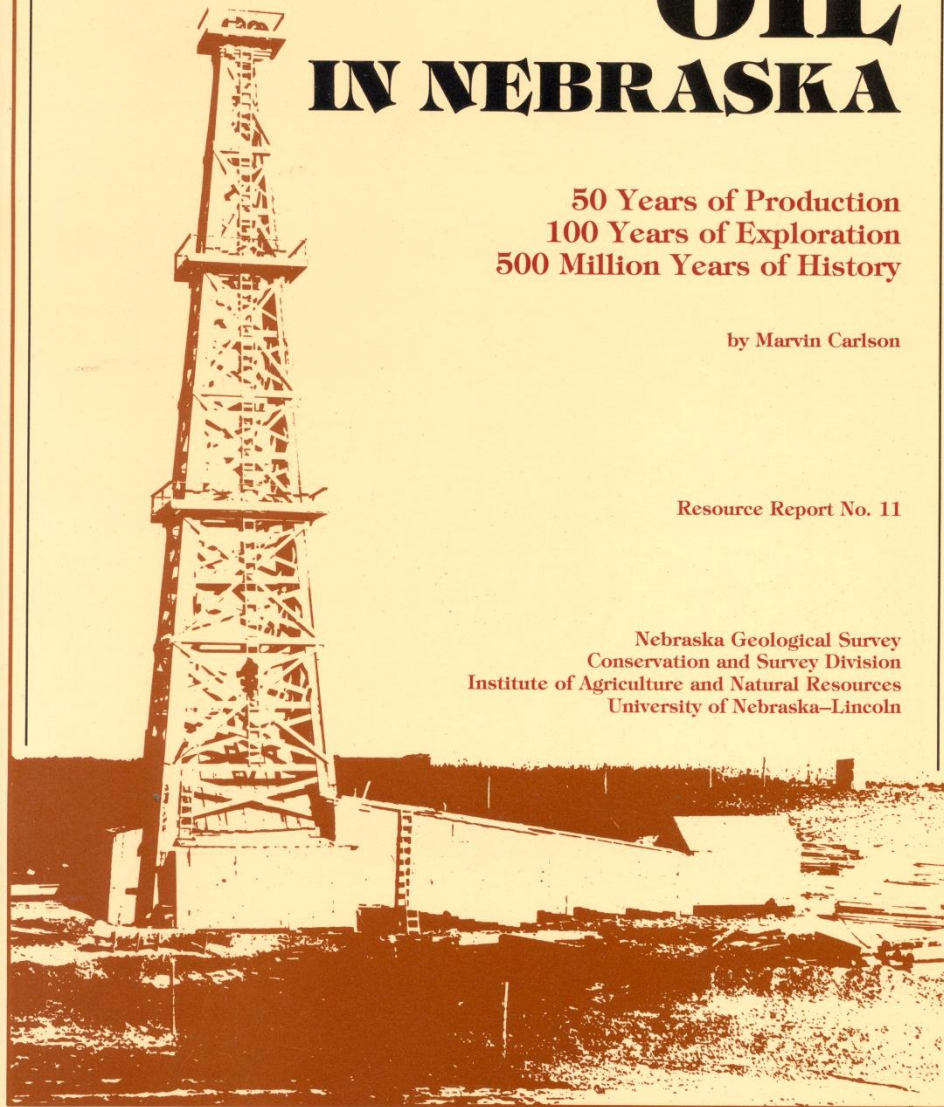
OIL IN NEBRASKA

50 Years of Production
100 Years of Exploration
500 Million Years of History

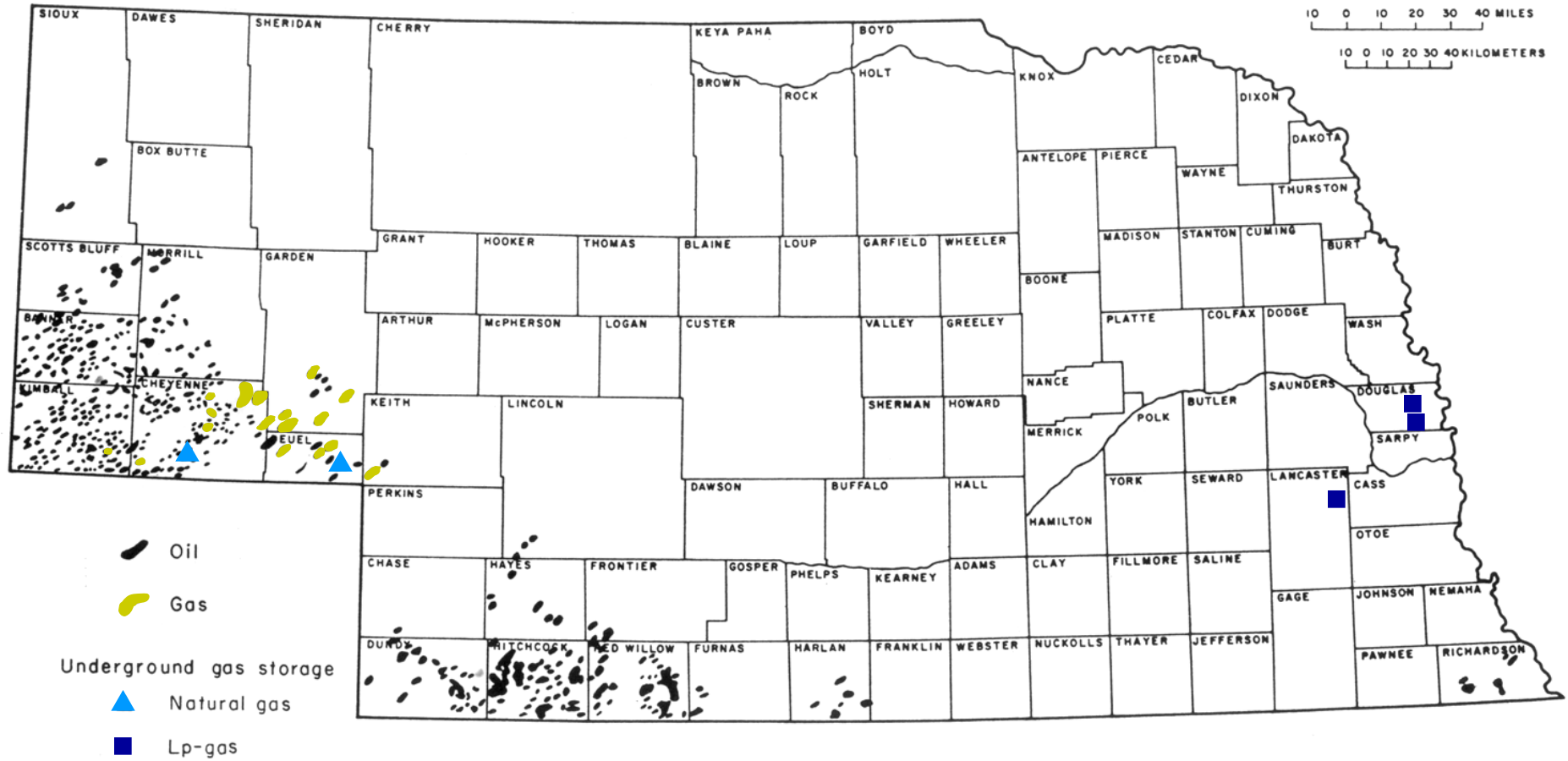
by Marvin Carlson

Resource Report No. 11

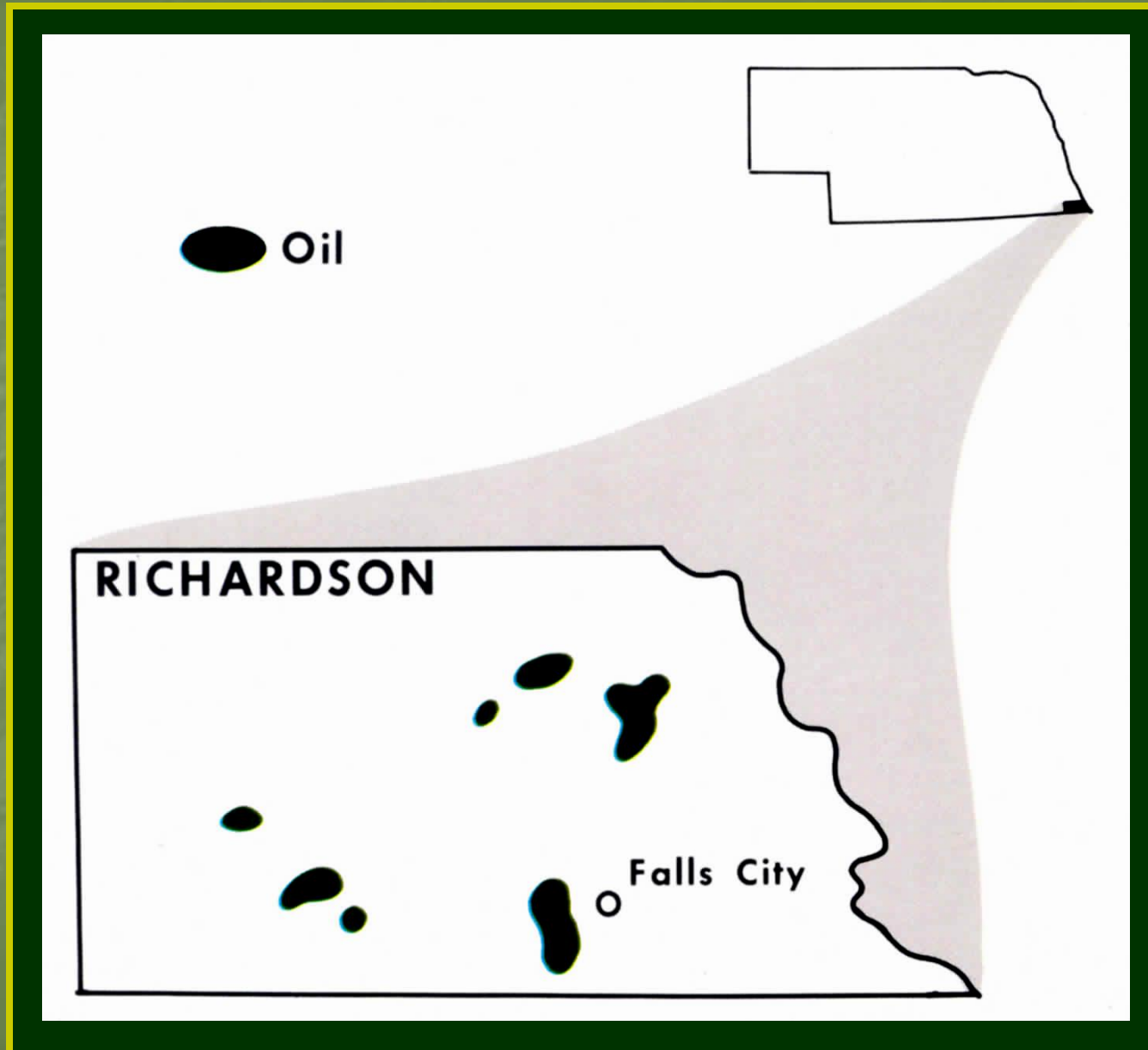
Nebraska Geological Survey
Conservation and Survey Division
Institute of Agriculture and Natural Resources
University of Nebraska-Lincoln



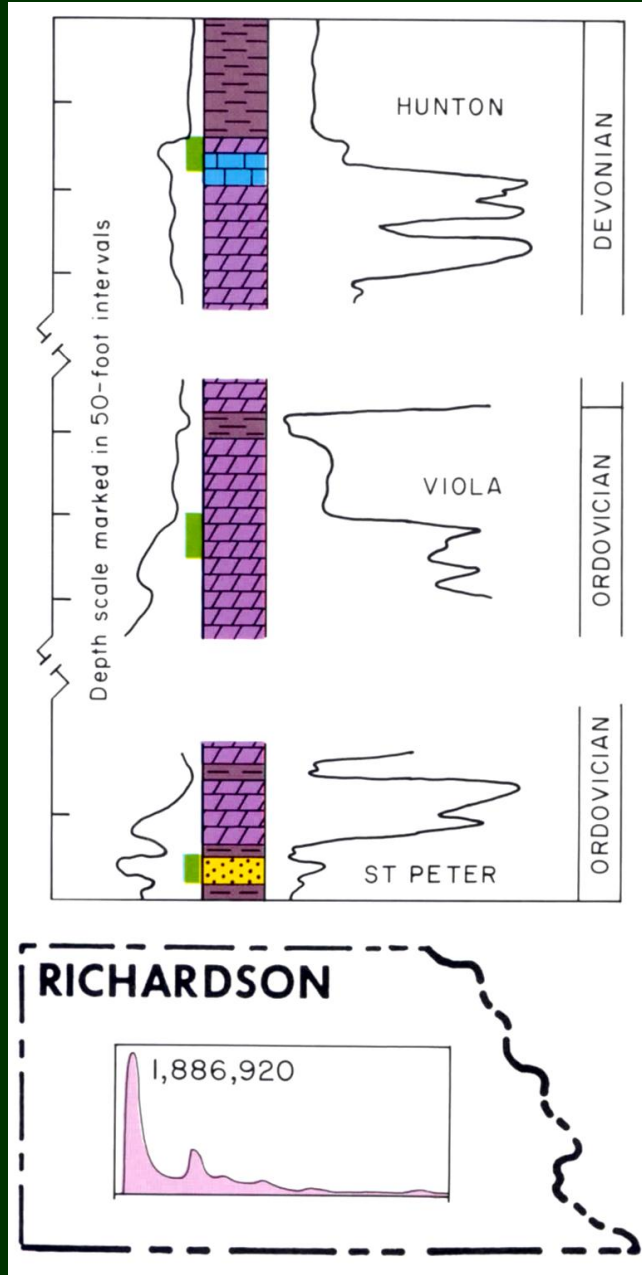
Nebraska Fields



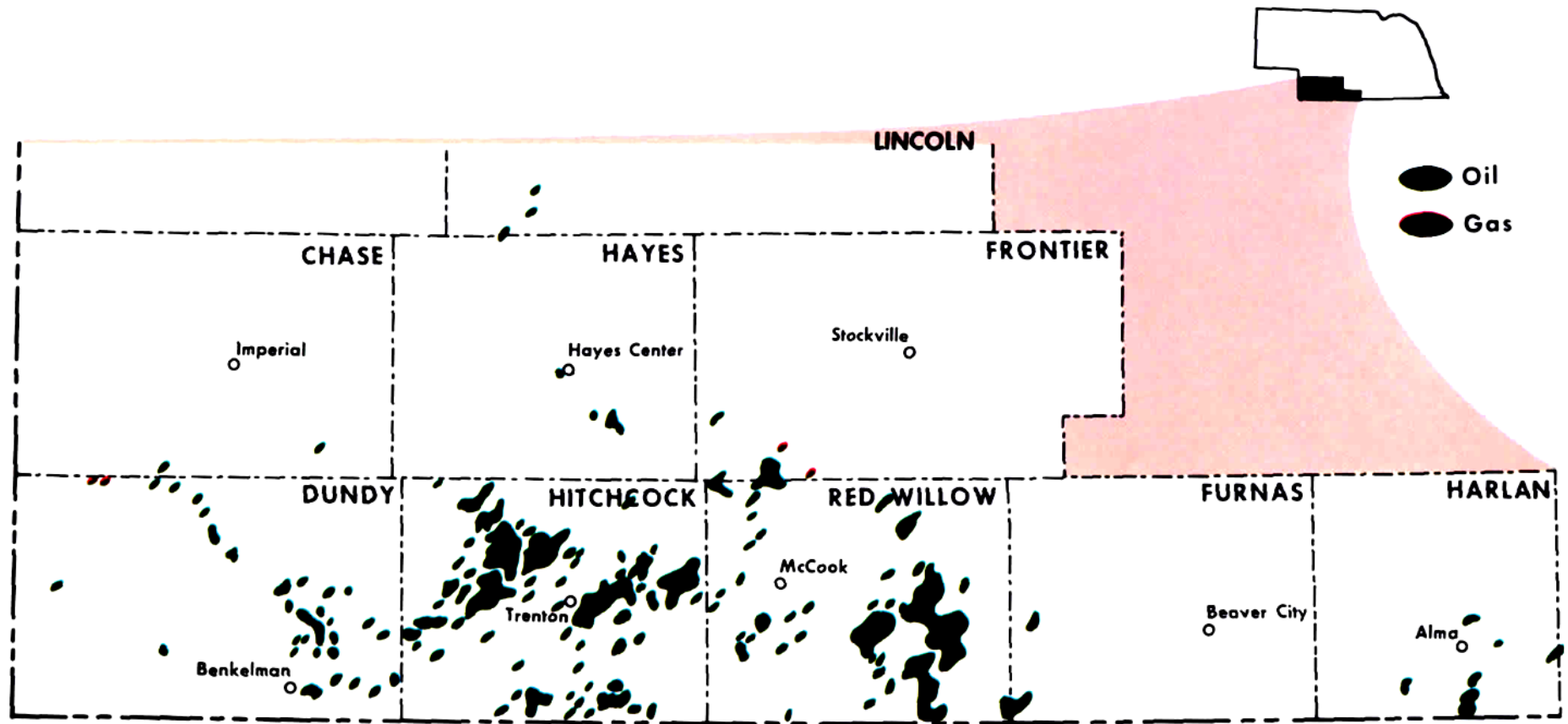
Richardson County Fields



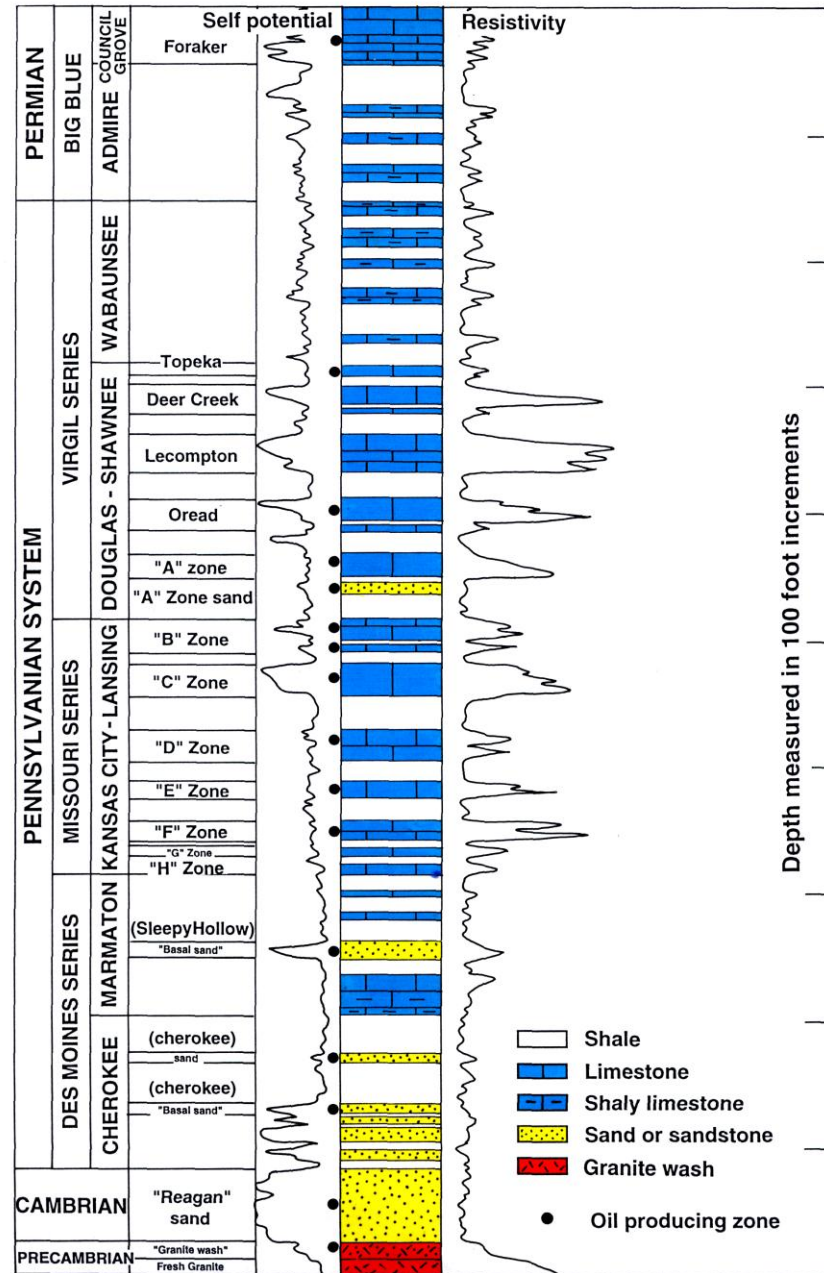
Richardson Stratigraphy



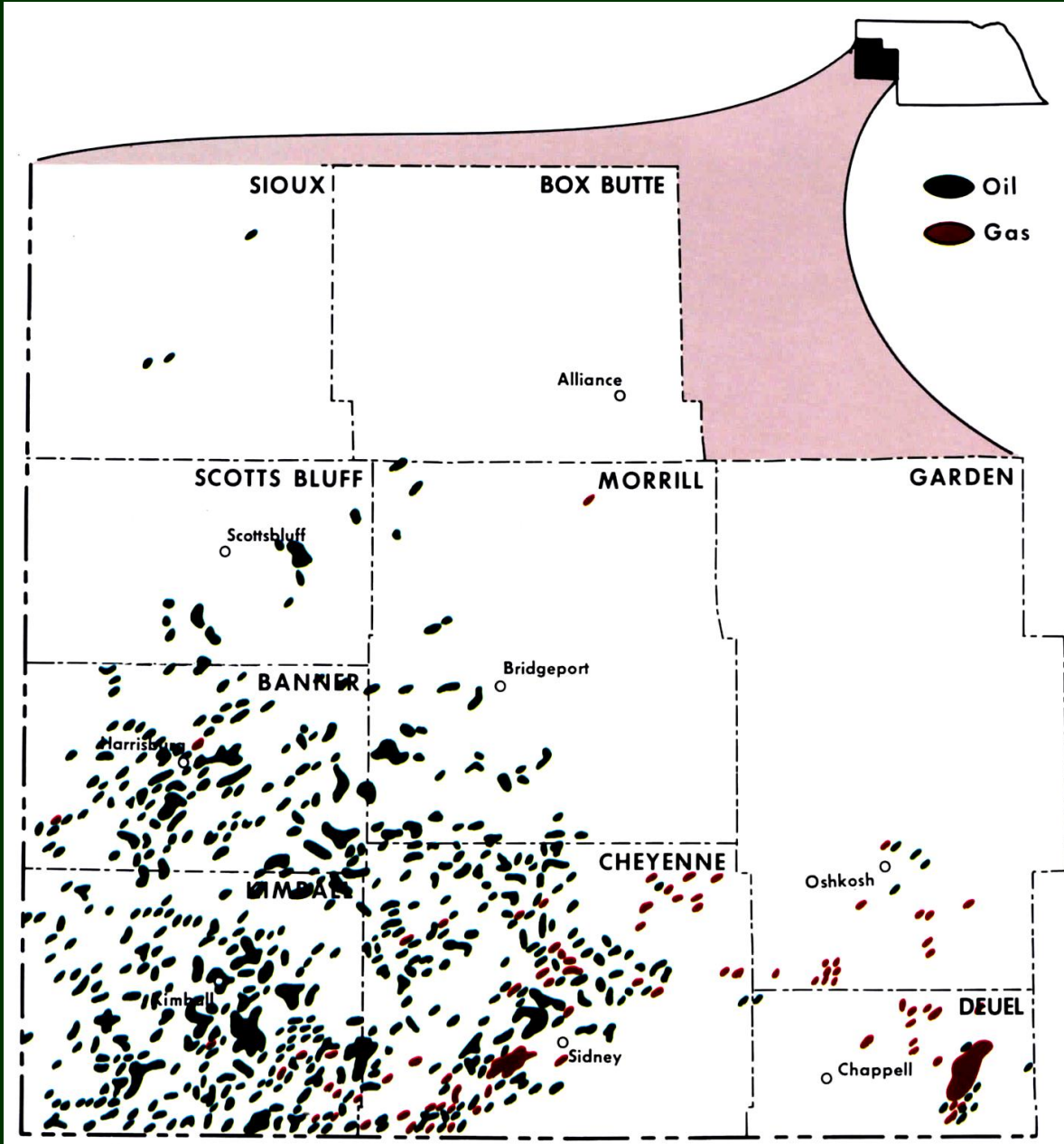
Southwest Nebraska Fields



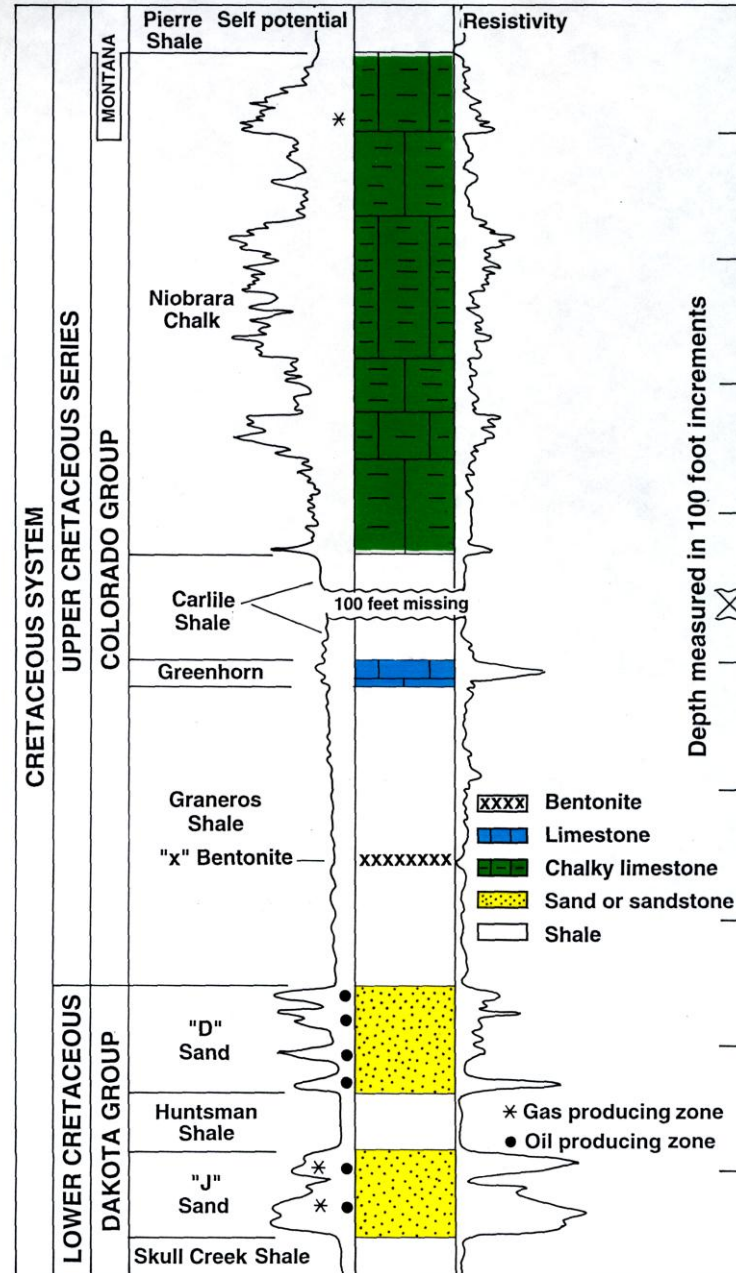
Southwest Nebraska Stratigraphy



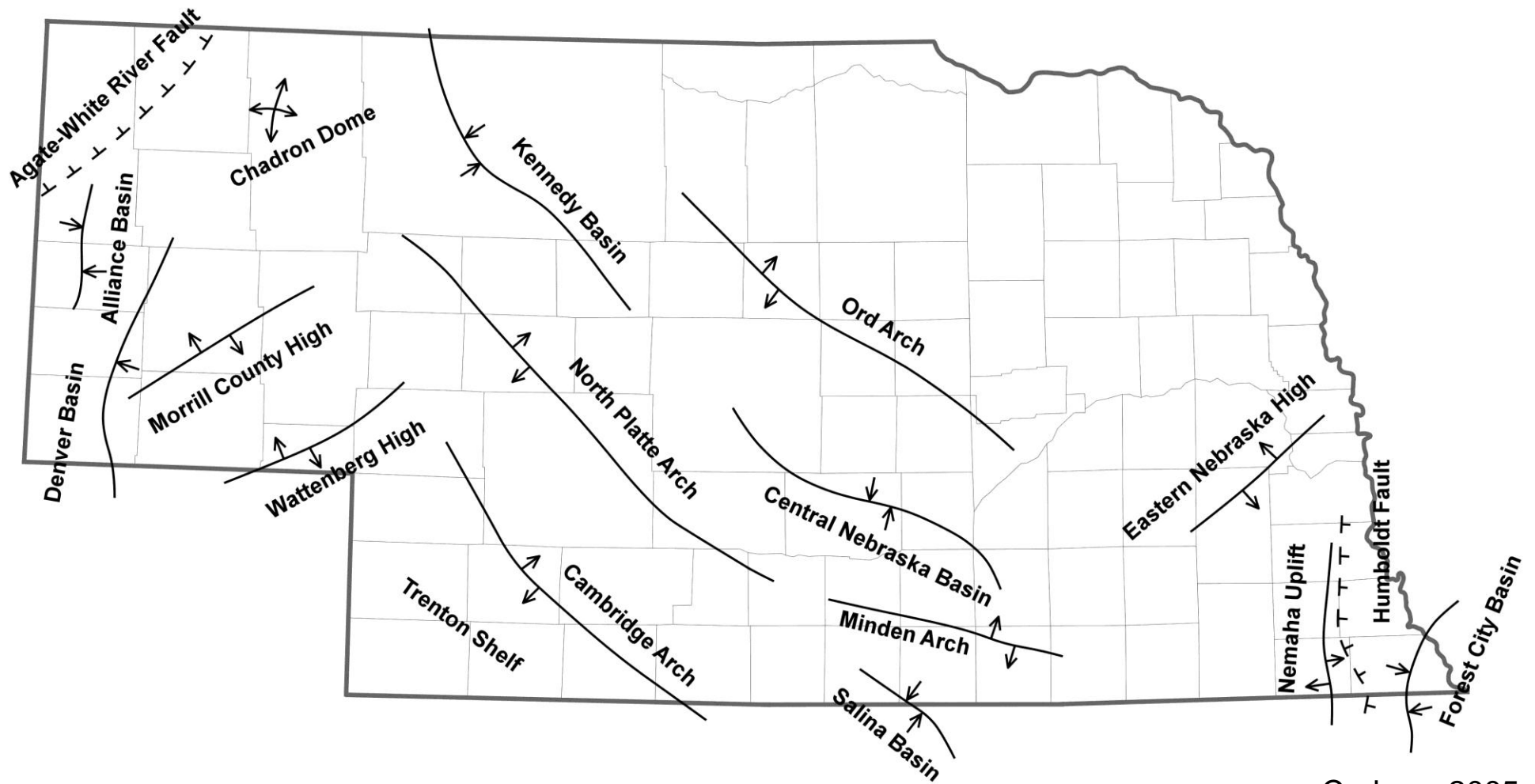
Panhandle Fields



Panhandle Cretaceous Reservoirs

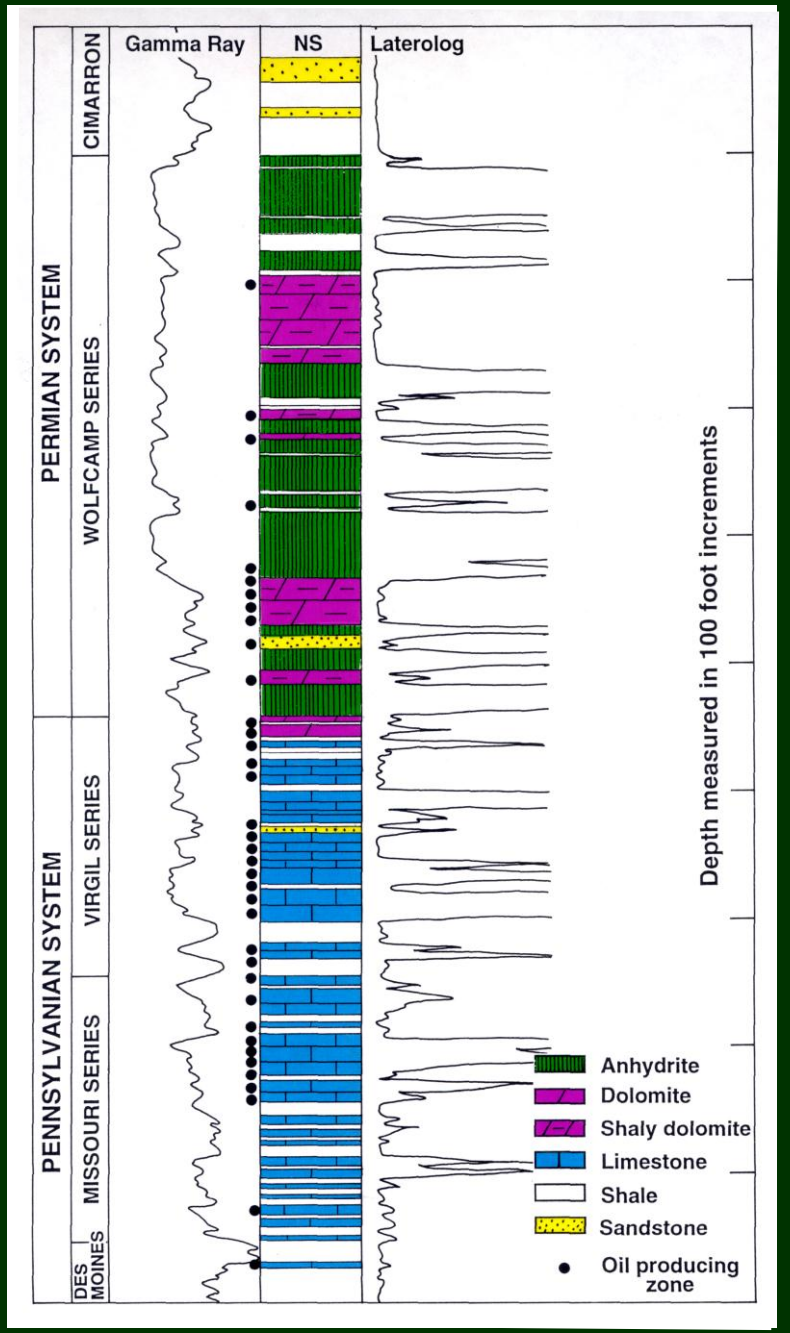


Revised Structural Features, Nebraska



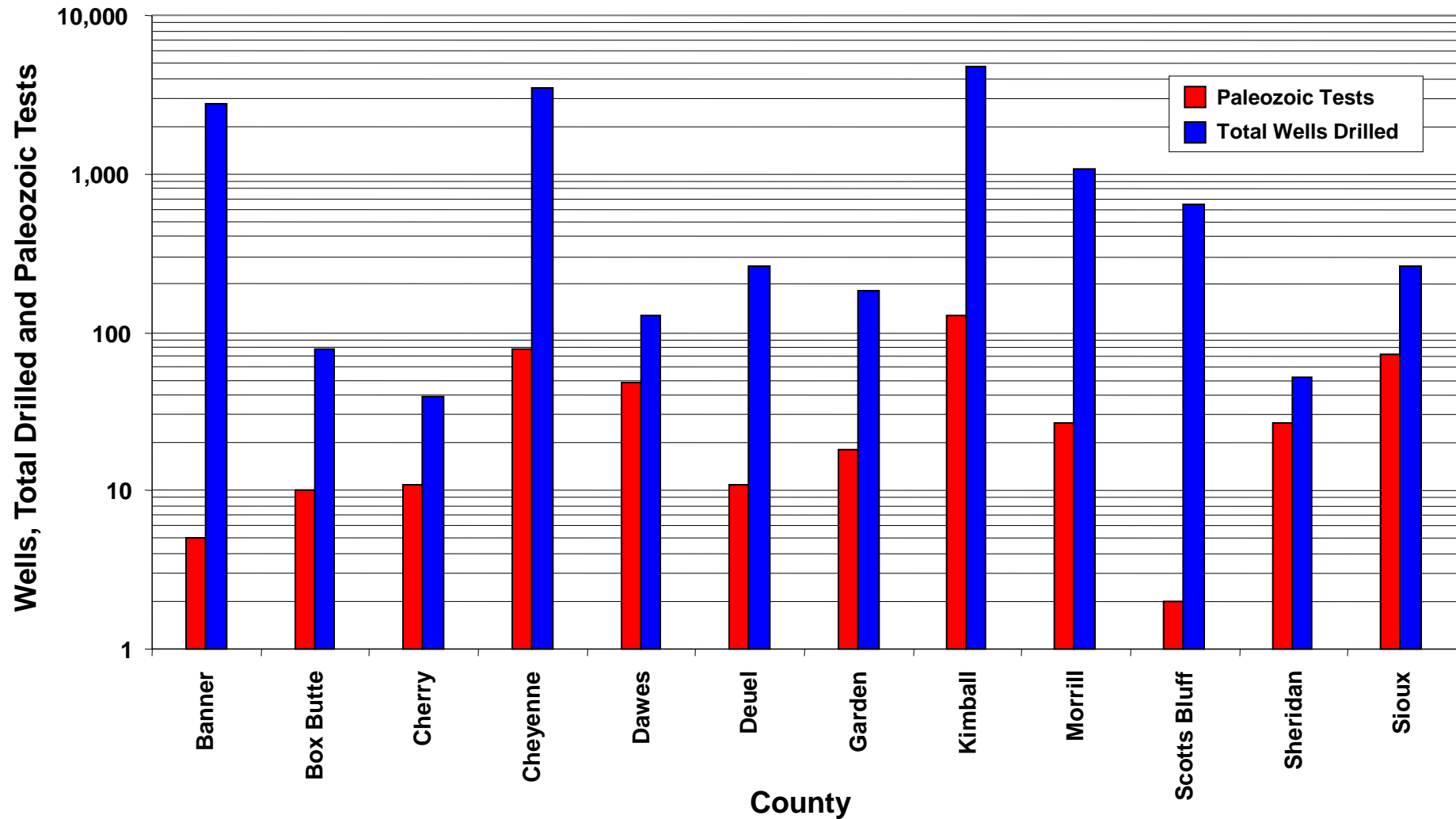
Carlson, 2005

Panhandle Paleozoic Reservoirs

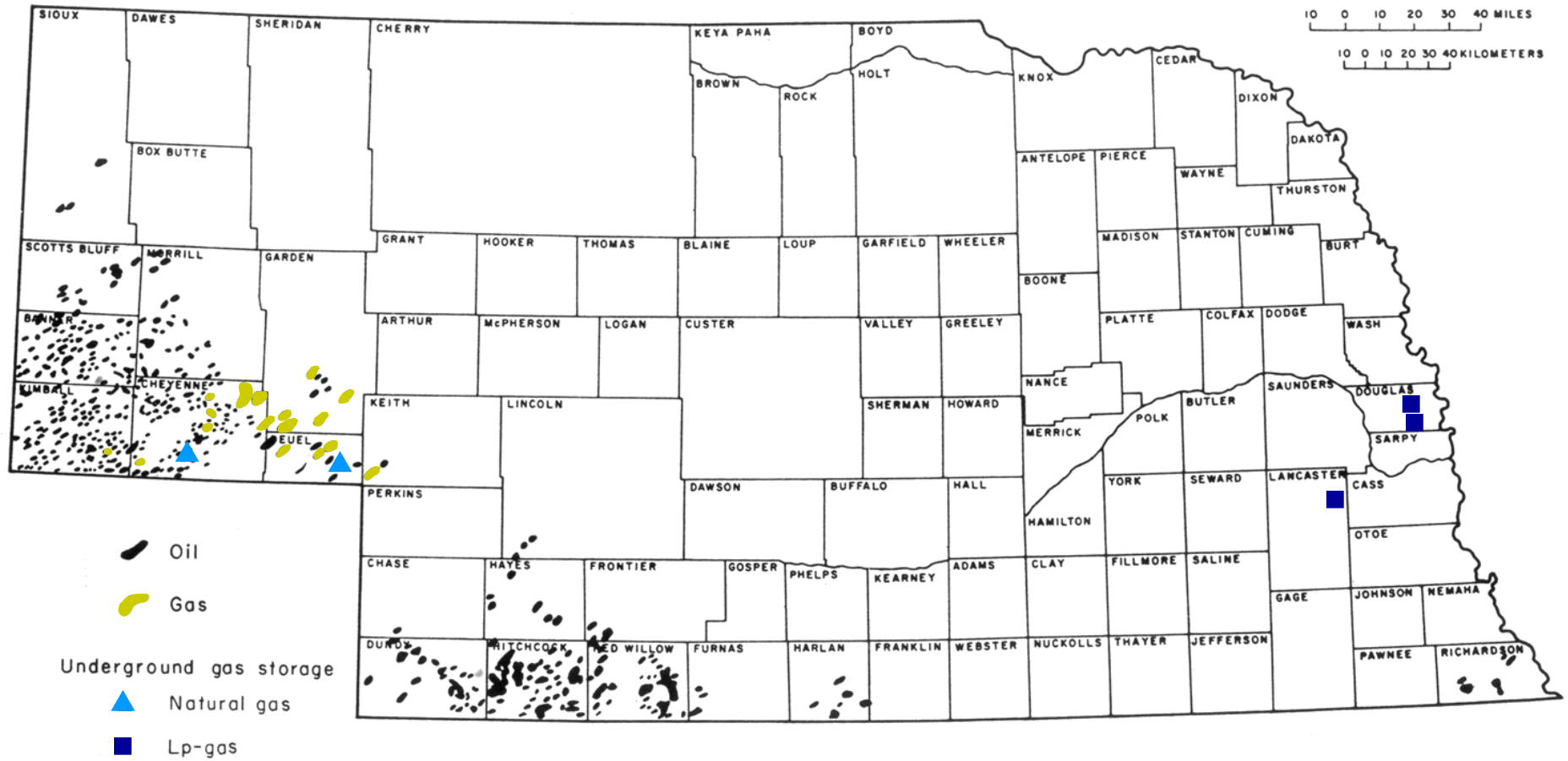


Total Wells and Paleozoic Tests by County

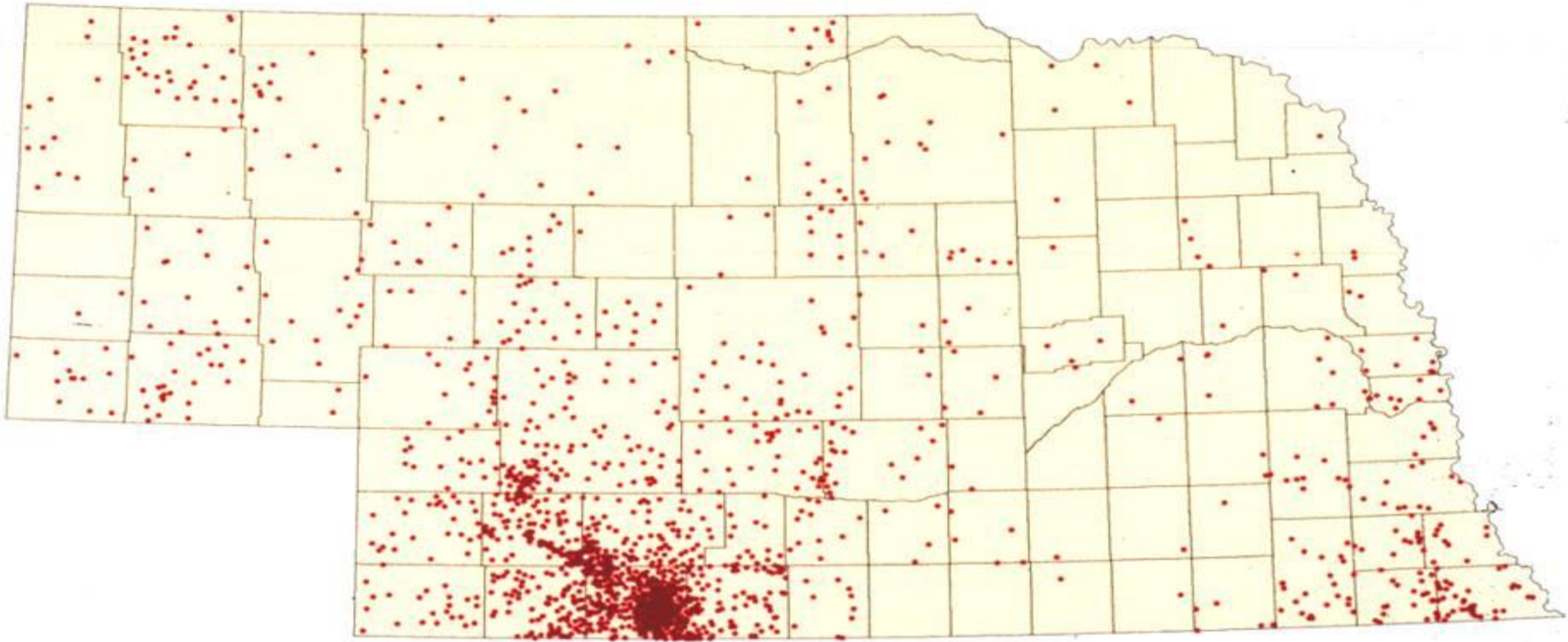
Alliance Salt Basin – Nebraska Panhandle



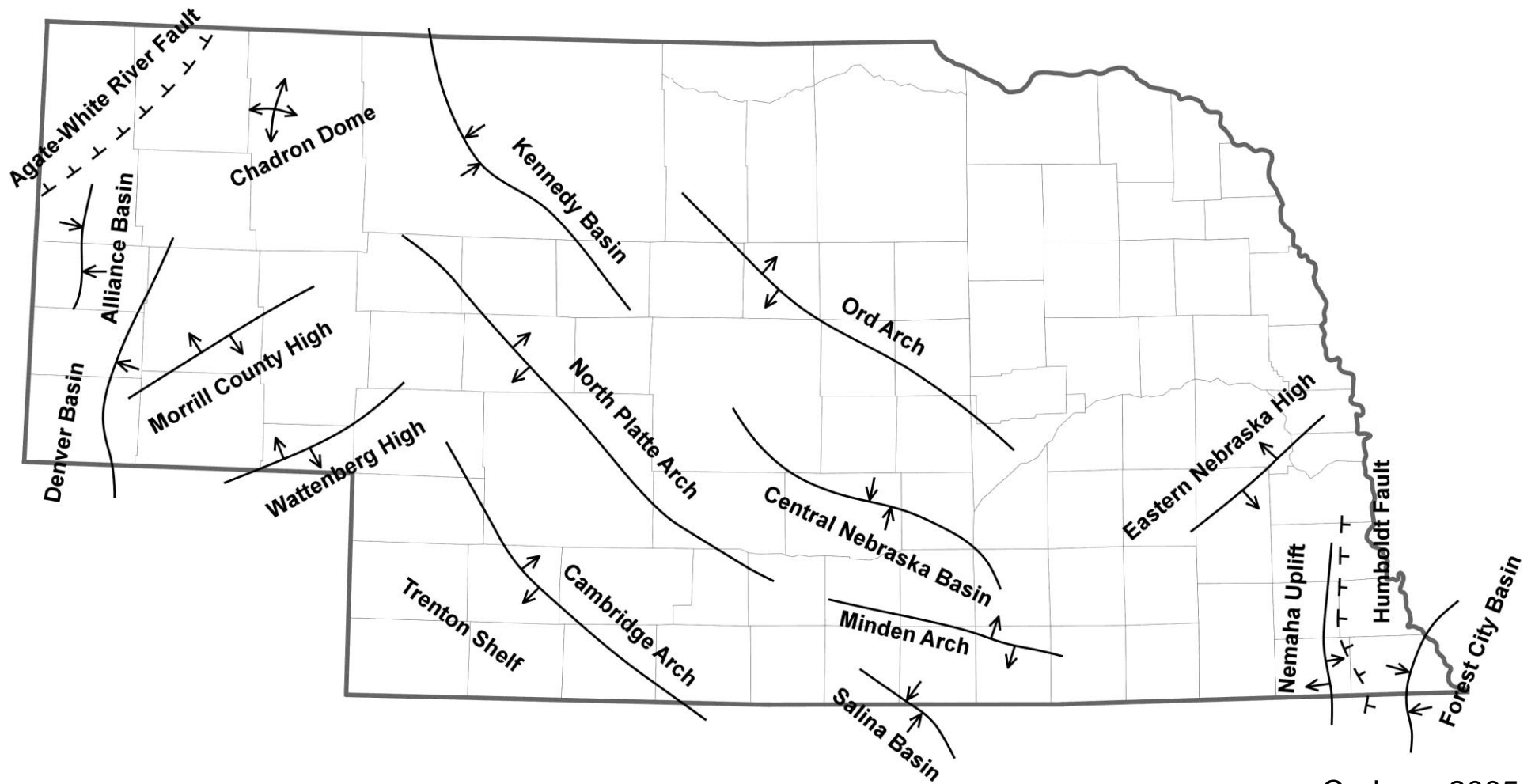
Nebraska Fields



Wells Drilled into the Precambrian



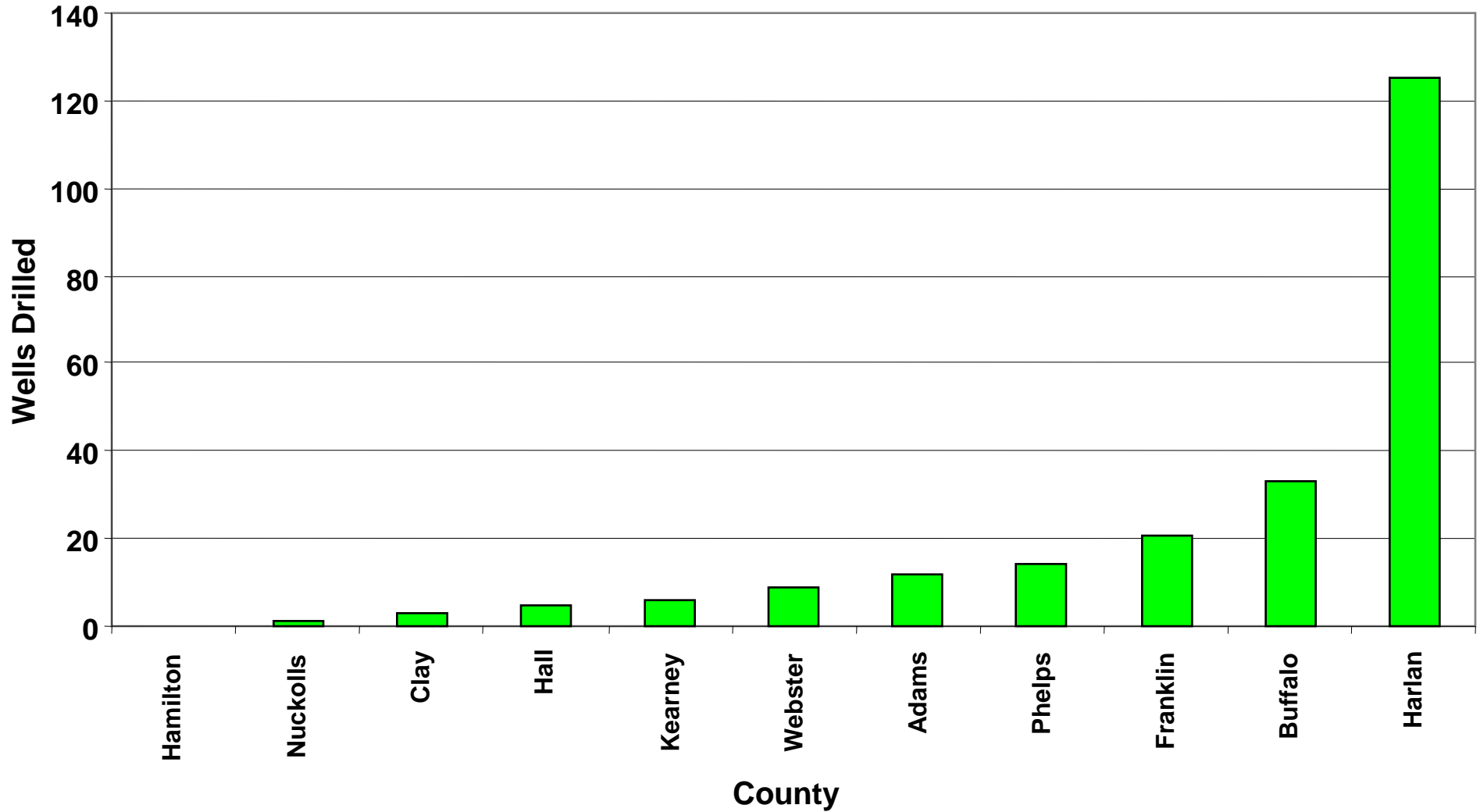
Revised Structural Features, Nebraska



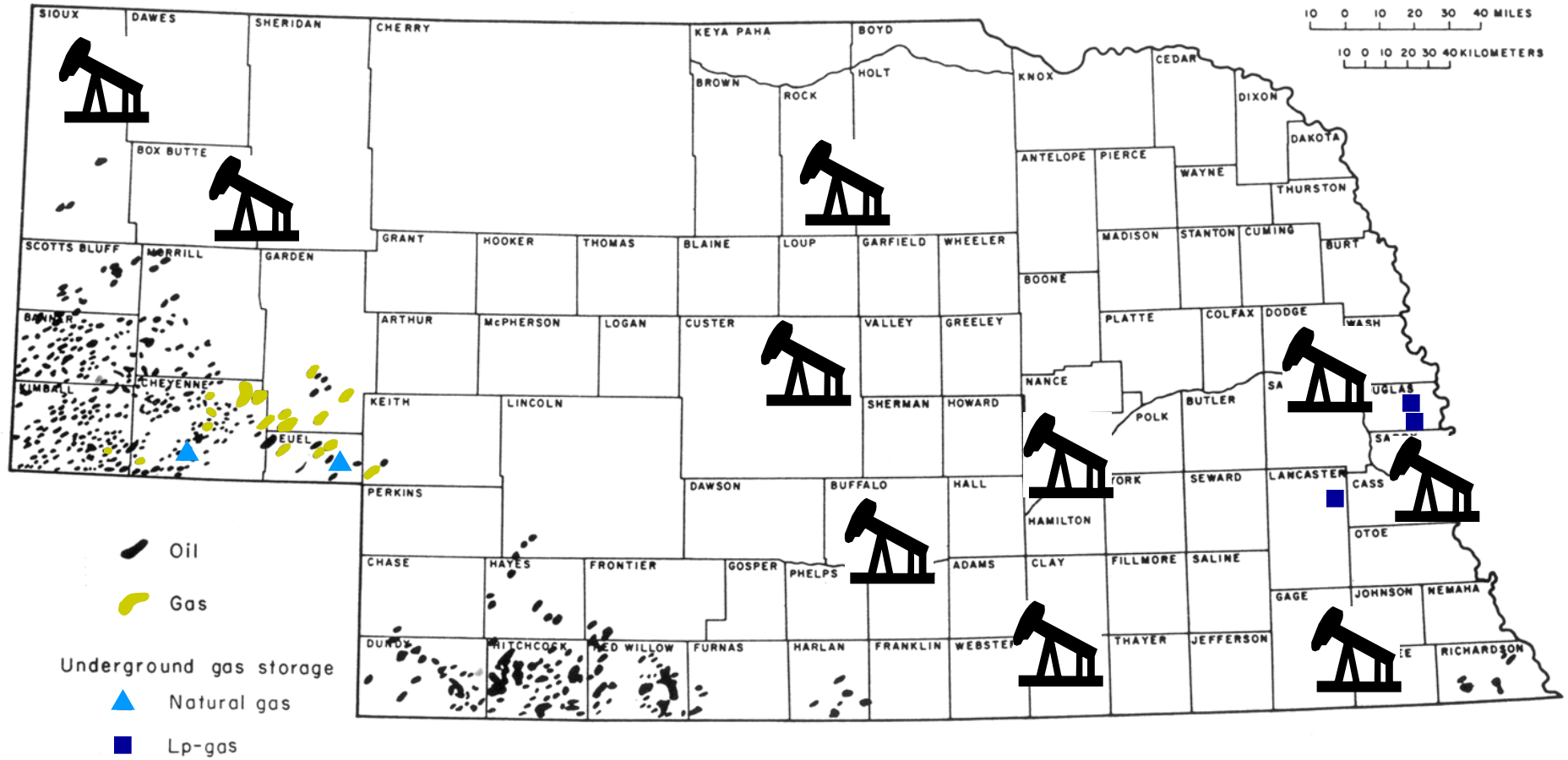
Carlson, 2005

Wells Drilled per County

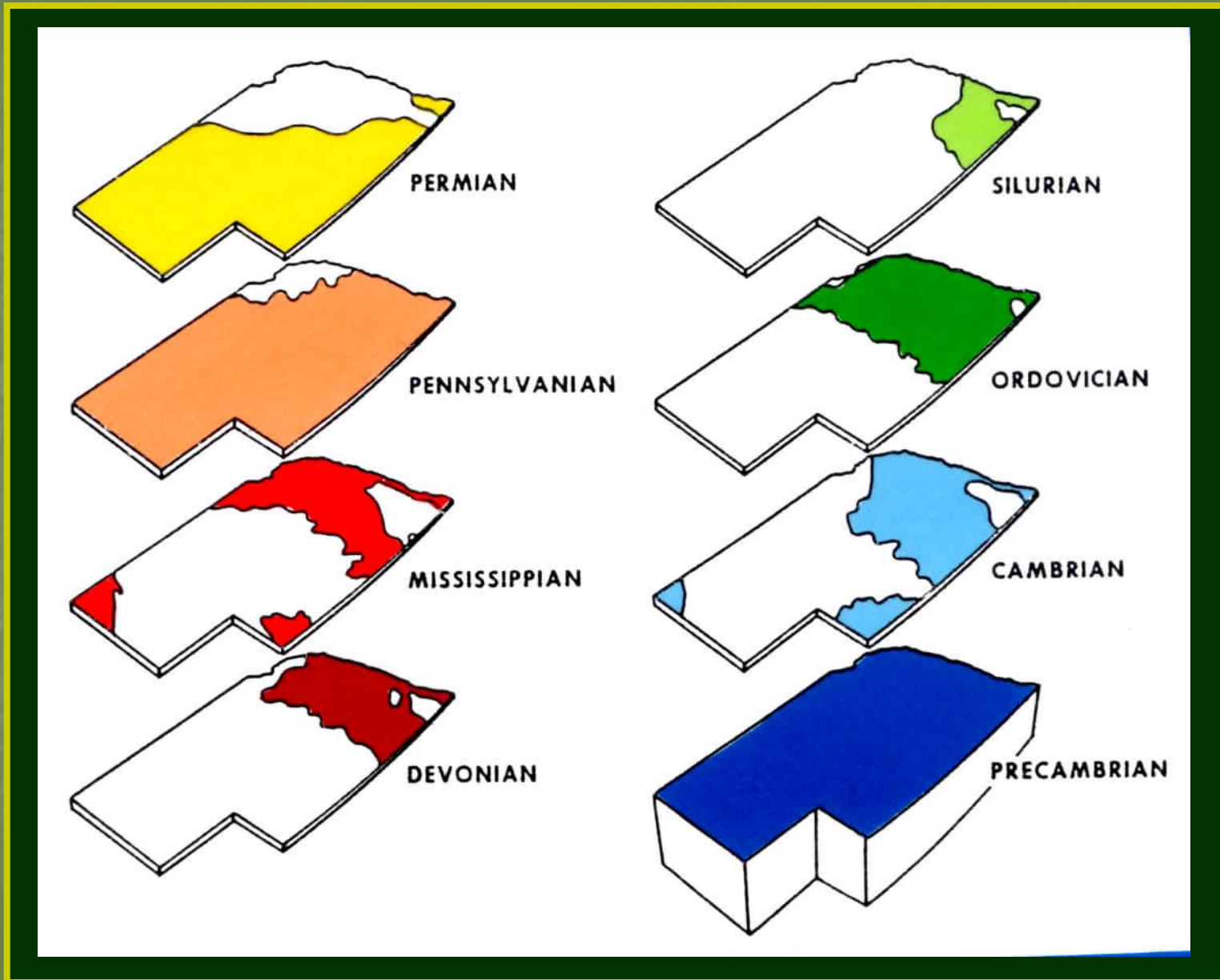
North Platte – Minden Arch and Central Nebraska Basin



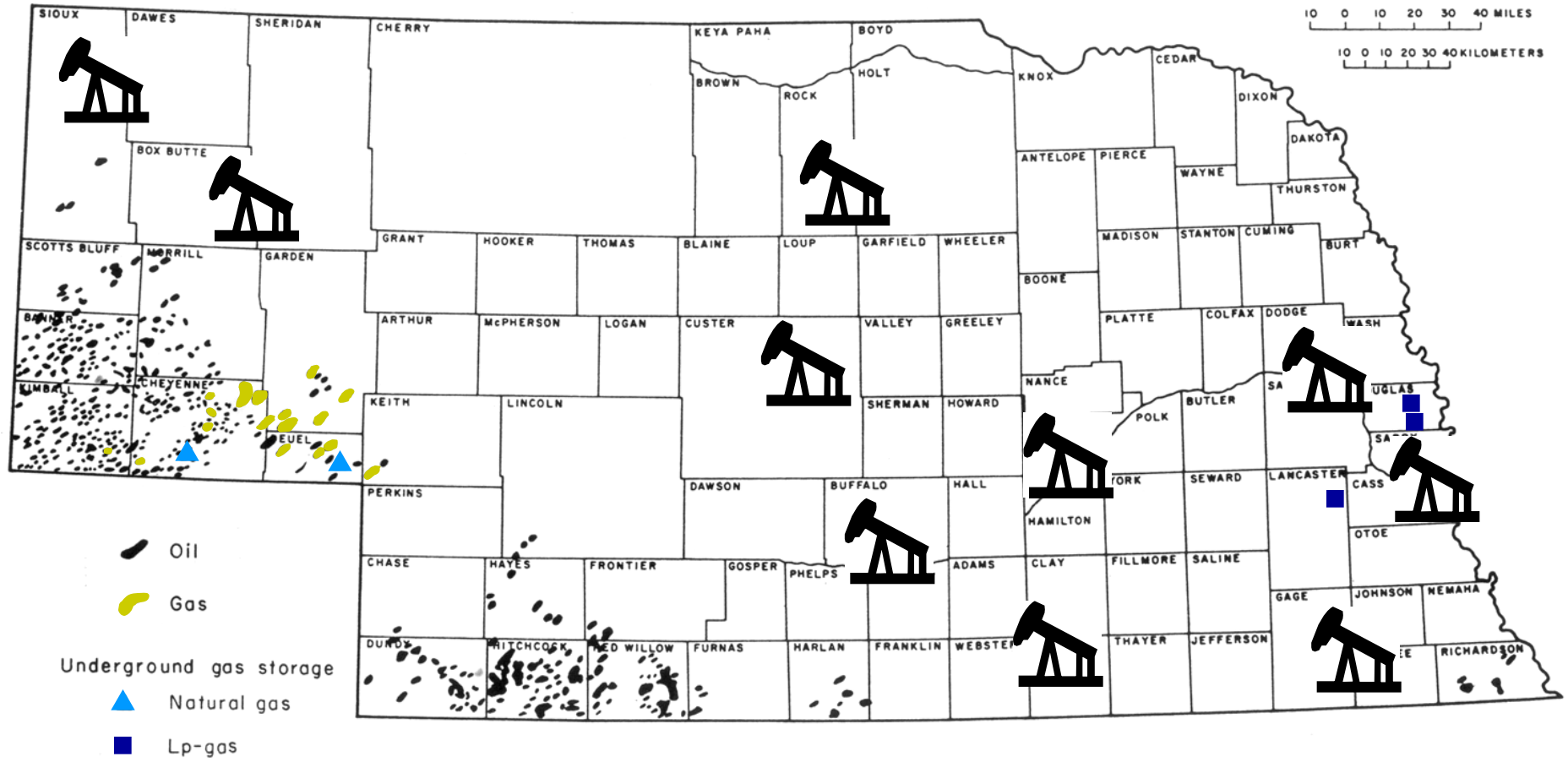
Potential Fields



Paleozoic Summary



Potential Fields



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