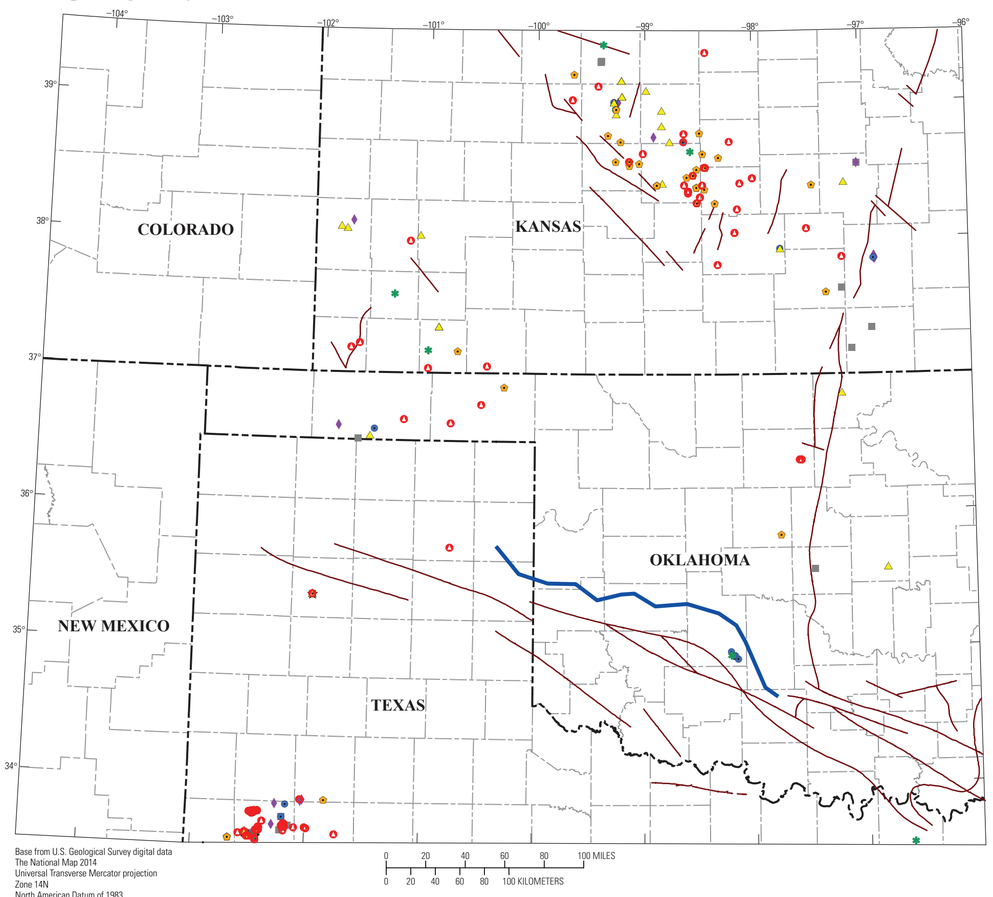
U.S. Department of the Interior
U.S. Geological Survey

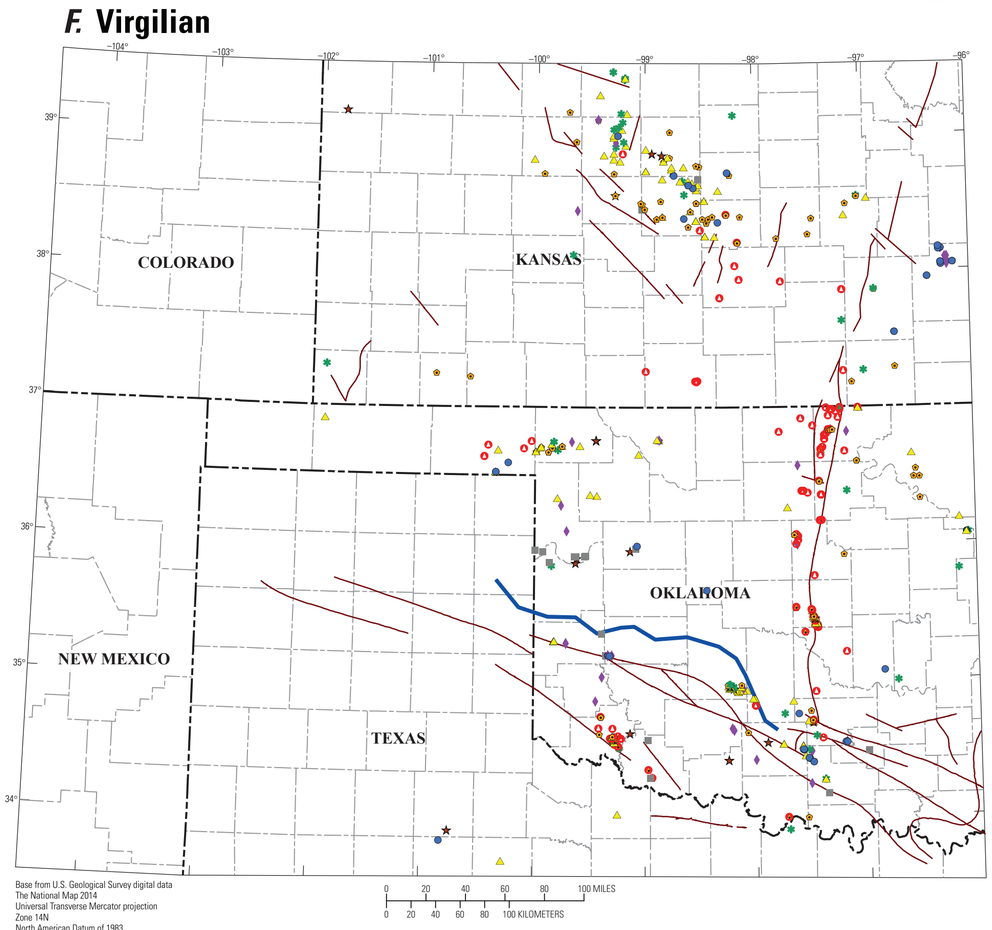
Data Series 69–EE
Chapter 9
Plate 1 of 5

G. Permian



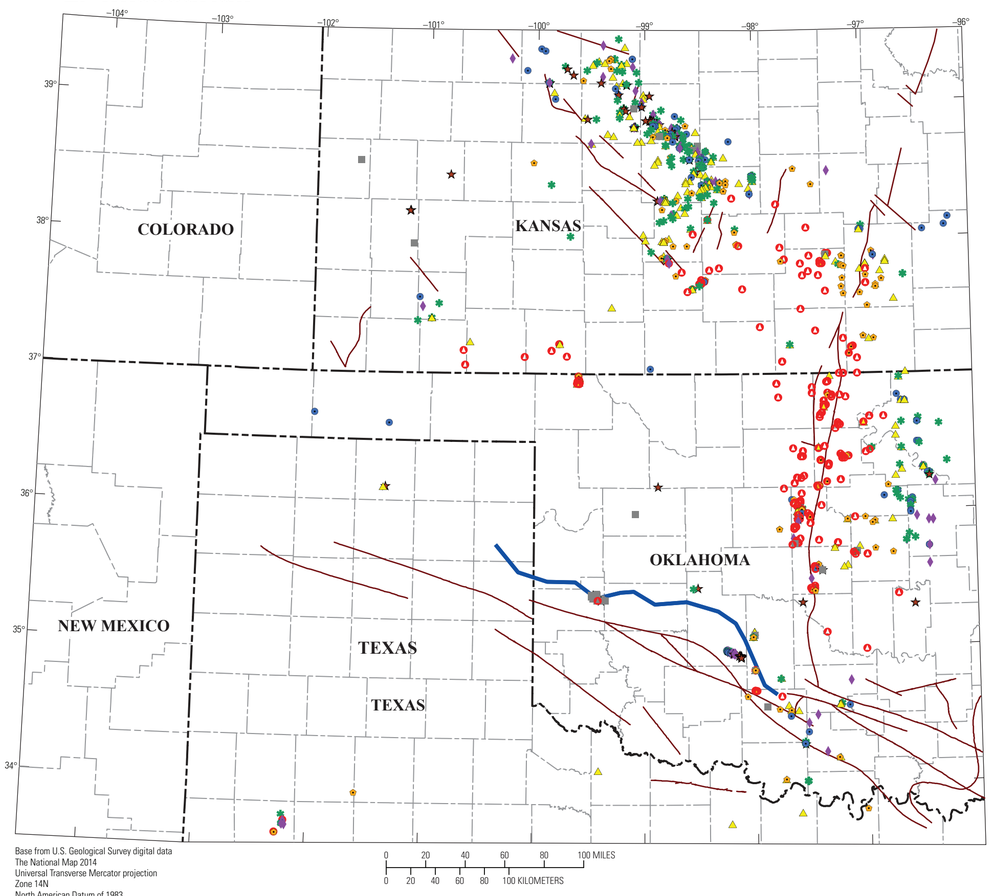
Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

F. Virgilian



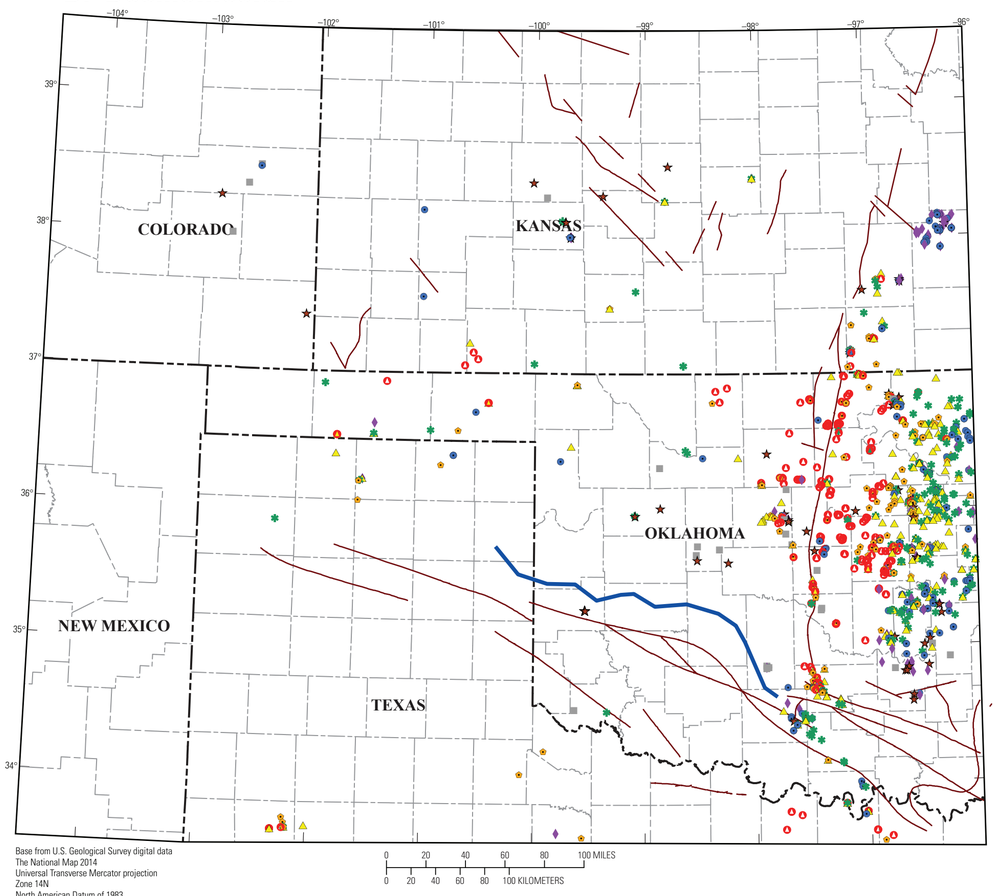
Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

E. Missourian



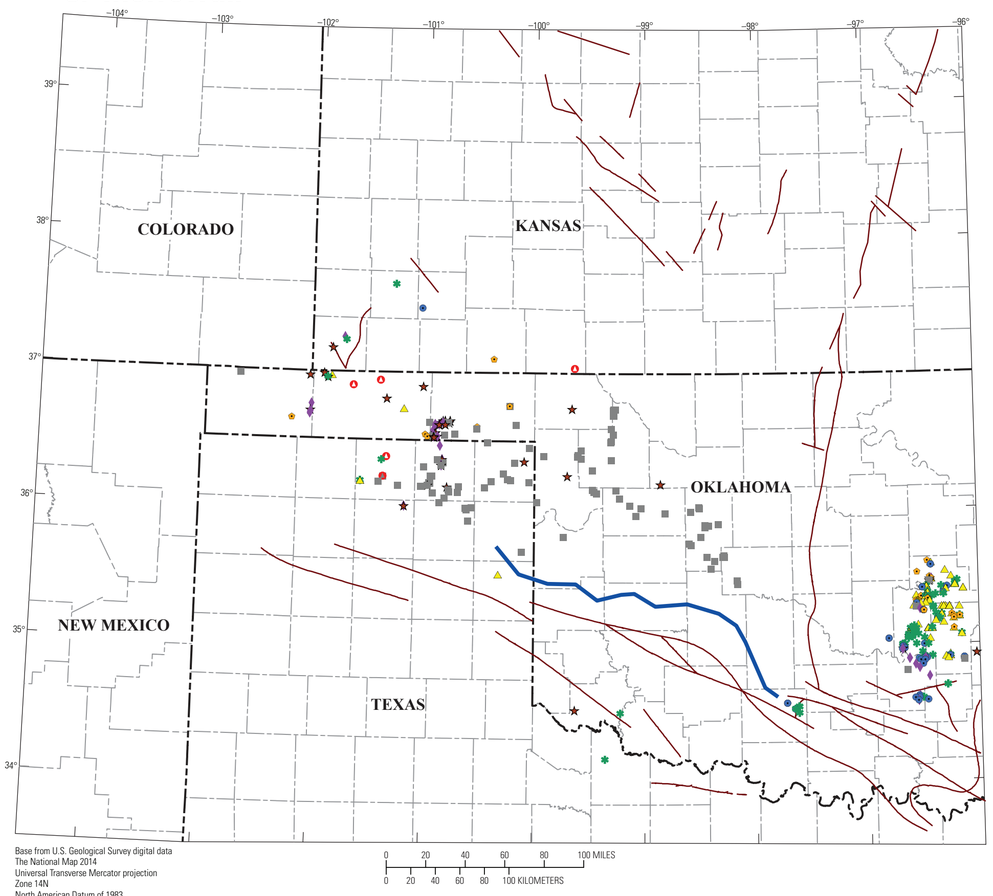
Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

D. Desmoinesian



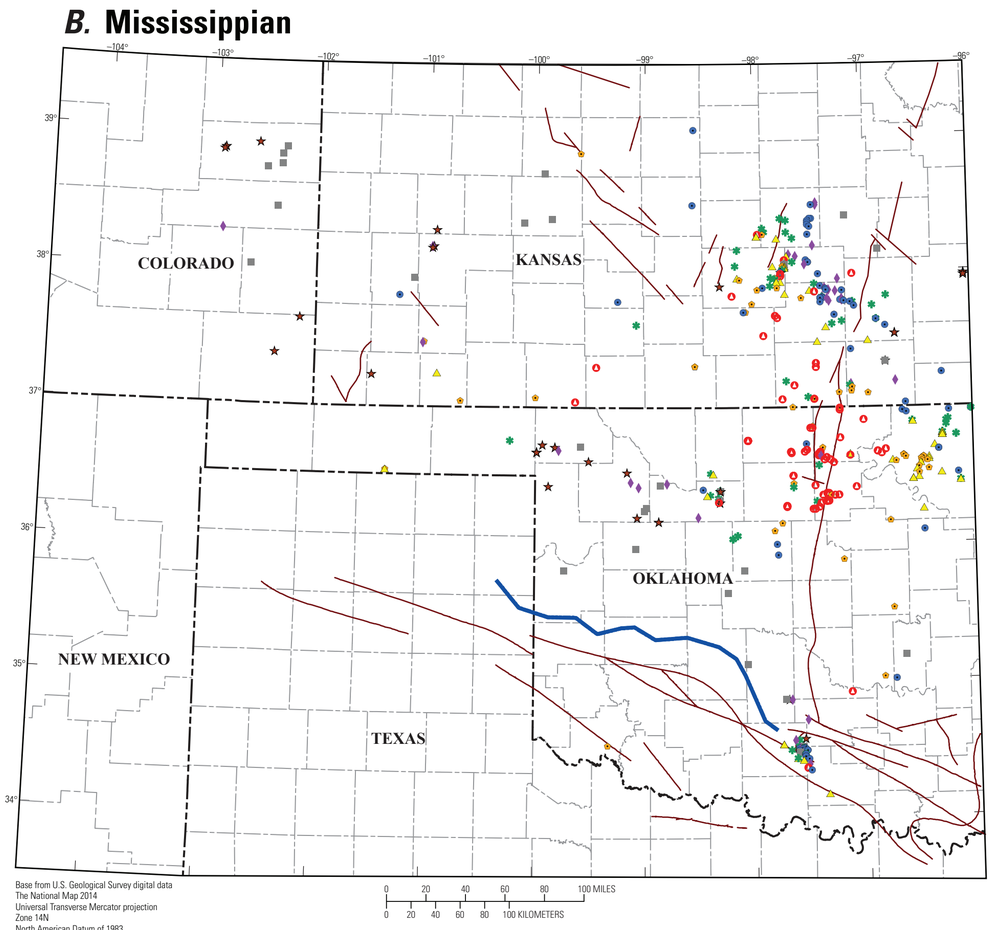
Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

C. Morrowan



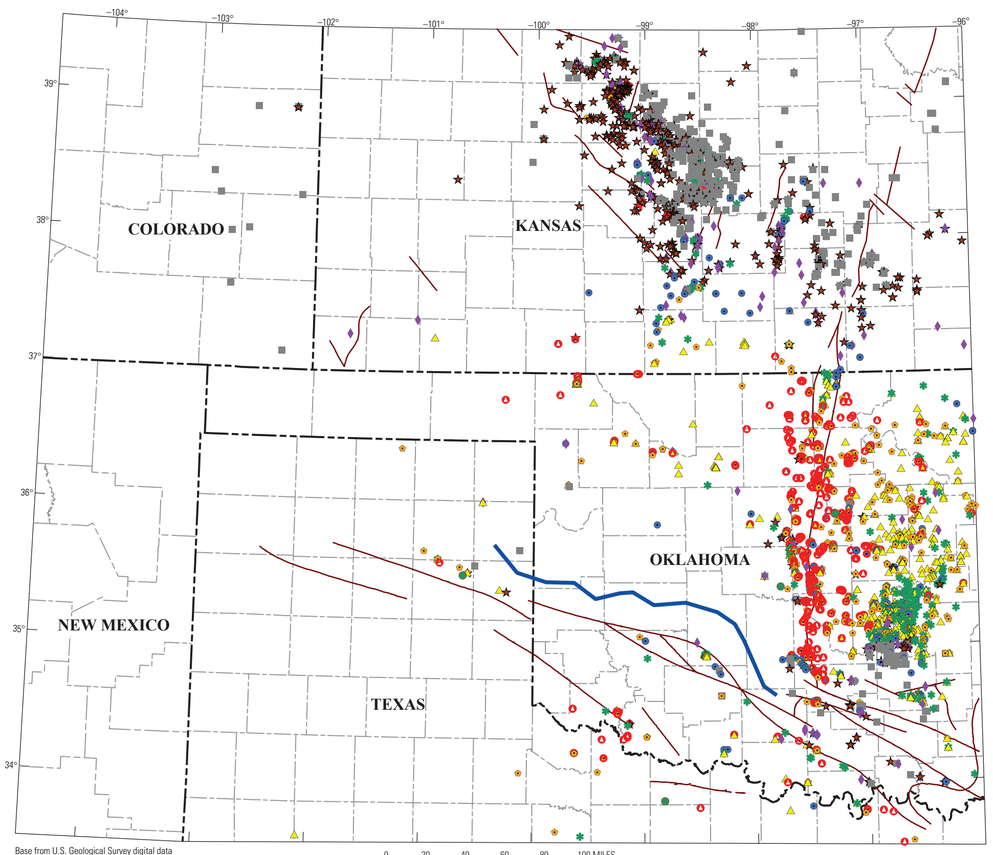
Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

B. Mississippian



Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

A. Hunton and older



Base from U.S. Geological Survey digital data
The National Map 2014
Universal Transverse Mercator projection
Zone 14N
North American Datum of 1983

EXPLANATION

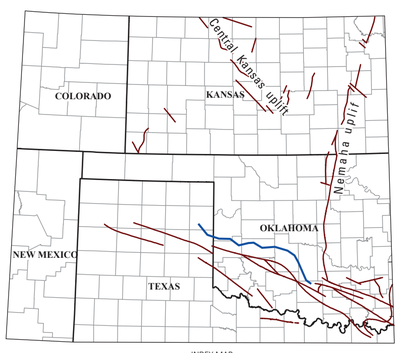
- Basin axis
- Precambrian fault

Total dissolved solids, in parts per million (ppm)

- 0 to 36,000
- 36,000 to 70,500
- 70,500 to 101,700
- 101,700 to 132,300
- 132,300 to 162,400
- 162,400 to 191,700
- 191,700 to 220,300
- Grerater than 220,300

Maps are presented oldest (***A***) to youngest (***G***).

Total dissolved solids in formation waters from a compilation by Breit (2002), limited to samples with a known formation name. Precambrian faults from Adler and others (1971). Basin axis is based on the Woodford Shale.



INDEX MAP

Maps of Salinity in Seven Stratigraphic Units in the Anadarko Basin

By
Philip H. Nelson and Nicholas J. Gianoutsos

2014

Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government

This map was printed on an electronic plotter directly from digital files. Dimensional calibration may vary between electronic plotters and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

For more information on the USGS—the Federal source for science about the Earth, its natural and living resources, natural hazards, and the environment, visit *http://www.usgs.gov* or call 1–888–ASK–USGS.

This plate is available at *http://dx.doi.org/10.3133/ds69EE*

Suggested Citation: Nelson, P.H., and Gianoutsos, N.J., 2014, Potentiometric surfaces for seven stratigraphic units and an explanation for underpressure in the Greater Anadarko Basin, Oklahoma, Texas, Kansas, and Colorado, chap. 9, *in* Higley, D.K., compiler, Petroleum systems and assessment of undiscovered oil and gas in the Anadarko Basin Province, Colorado, Kansas, Oklahoma, and Texas—USGS Province 58: U.S. Geological Survey Digital Data Series 69–EE, 24 p., *http://dx.doi.org/10.3133/ds69EE*.

ISSN: 2327-638X (online); 2333-0481 CD/DVD