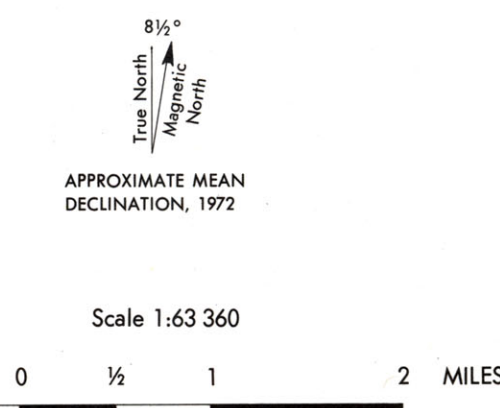


EXPLANATION

- Qal
Alluvium
- Qt
Terrace deposits
- Pi
Lawrence Formation
- Psr
Stranger Formation
- Ps
Stanton Limestone
- Pvi
Vilas Shale, Plattsburg Limestone, Bonner Springs Shale, Lane Shale, and Iola Limestone
Pi: base of Plattsburg Limestone
- Pcd
Chanute Shale and Drum Limestone
- Pcds
Cherryvale Shale and Dennis Limestone
- Pcs
Coffeyville Formation
S: base of Slope Limestone
- Pci
Checkerboard Limestone and Seminole Formation
- Pci
Holdenville Shale and Lenape Limestone
- Pna
Nowata Shale and Altamont Limestone
- Pba
Bandera Shale

- Contact
Dashed where approximate or inferred
- A—A'
Trace of geologic section
Sections shown on figure 5
- Domestic or stock well
- Industrial well
- Observation well
- Test hole
- Spring
- 70-31.3
840-20-Rd
Well symbol with depth and location

Upper left number is depth of well or test hole below land surface, in feet; second number is depth to water below land surface (1956-61), in feet; third number (when shown) is well yield, in gallons per minute. Lower left number is altitude of land surface, in feet above mean sea level; second number (when shown) is concentration of dissolved chloride, in milligrams per liter; letter symbol is principal aquifer (quoted where uncertain); A = complete chemical analysis of water given in table 2; D = dry; N = water level not measured; S = water reportedly has a salty taste.



Base from U.S. Geological Survey, 1:24,000 Bolton, Coffeyville West, Independence, Neodesha, Syracuse, Twp. 1999, Caney, Table Mountain, 1961; Caney NW, Cherryvale, Coffeyville East, Elk City, Liberty, 1962; Lafayette, Morehead, 1963; Boston, 1964. Illustration prepared by James J. Combs

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Geology mapped by H. G. O'Connor, 1970-71