



EXPLANATION

Pleistocene	Qal	Alluvium	
	Qn	Newman terrace deposits	
	Qt	Other terrace deposits	
	Qd	Loess, lacustrine clay, and glacial drift	
	WABAUNSEE GROUP	Pwe	Willard Shale and Emporia Limestone
		Pab	Auburn Shale and Bern Limestone
		Psh	Scranton Shale and Howard Limestone
	SHAWNEE GROUP	Pst	Severy Shale and Topeka Limestone
		Pcd	Calhoun Shale and Deer Creek Limestone
		Pli	Tecumseh Shale and Leocompton Limestone
DOUGLAS GROUP	Pko	Kanwaka Shale and Oread Limestone	
	Pl	Lawrence Formation	

--- Contact
--- Dashed where approximately located

○ Domestic, stock, or unused well

○ Irrigation well

○ Public supply well

● Test hole

964
Number is altitude of water table above mean sea level, in feet

8°
True North
Magnetic North

APPROXIMATE MEAN DECLINATION, 1971

Scale 1:62,500

1 1/2 0 1 2 MILES

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

Base from U.S. Geological Survey, 1:24,000
Perry, Williamstown, 1949; Grassville, McLouth, Midland, 1950
Olatona, Olatona, 1951; Meriden, 1952
Halfbound, Valley Falls, Winchester, 1959
Arlington, Holton, SE, Nortonville, Potter, 1960
Easton SW, 1961

Prepared by the United States Geological Survey and the State Geological Survey of Kansas, with the cooperation of the Division of Environmental Health of the Kansas State Department of Health and the Division of Water Resources of the Kansas State Board of Agriculture.

Geology mapped in 1967-68

