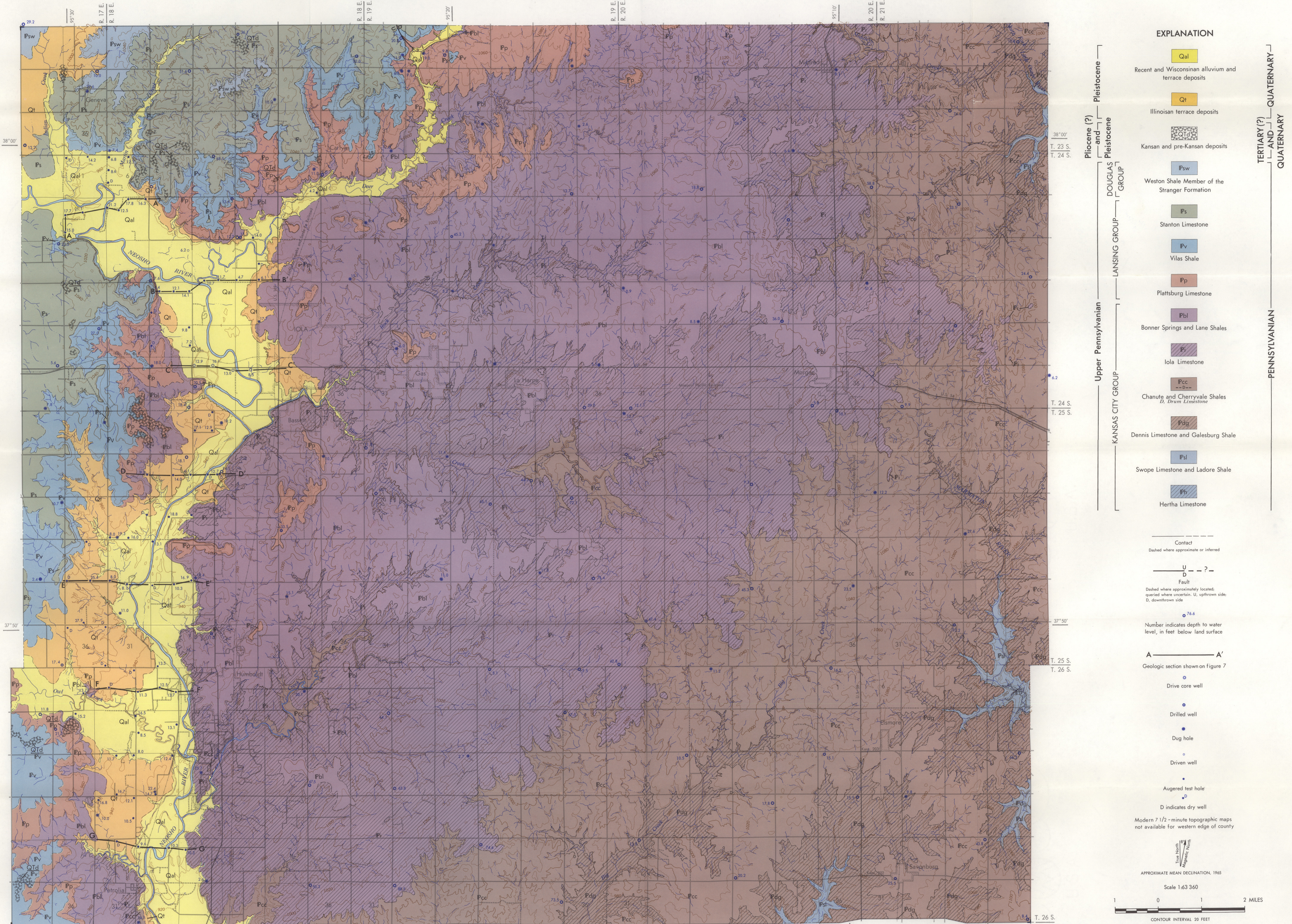


# GEOLOGIC MAP OF ALLEN COUNTY, KANSAS



### EXPLANATION

- Qal**  
Recent and Wisconsinan alluvium and terrace deposits
- Qt**  
Illinoian terrace deposits
- Qld**  
Kansan and pre-Kansan deposits
- IPsw**  
Weston Shale Member of the Stranger Formation
- IPs**  
Stanton Limestone
- IPv**  
Vilas Shale
- IPp**  
Plattsburg Limestone
- IPbl**  
Bonner Springs and Lane Shales
- IPi**  
Iola Limestone
- IPcc**  
Chanute and Cherryvale Shales  
*D, Drum Limestone*
- IPdg**  
Dennis Limestone and Galesburg Shale
- IPsl**  
Swope Limestone and Ladore Shale
- IPh**  
Hertha Limestone

Pliocene (?) and Pleistocene  
Pleistocene  
DOUGLAS GROUP  
LANSING GROUP  
Upper Pennsylvanian  
KANSAS CITY GROUP  
PENNSYLVANIAN  
TERTIARY (?) AND QUATERNARY  
QUATERNARY

Contact  
Dashed where approximate or inferred

Fault  
Dashed where approximately located;  
questioned where uncertain. U, upthrown side;  
D, downthrown side

Number indicates depth to water level, in feet below land surface

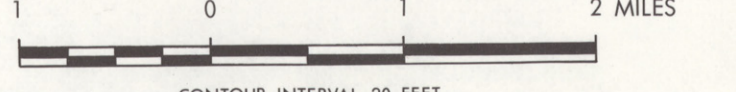
**A — A'**  
Geologic section shown on figure 7

- Drive core well
- Drilled well
- Dug hole
- Driven well
- Augered test hole
- D indicates dry well

Modern 7 1/2 - minute topographic maps not available for western edge of county

APPROXIMATE MEAN DECLINATION, 1965

Scale 1:63 360



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL

Base from U.S. Geological Survey

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

Geology mapped in 1963-65 by Don E. Miller