

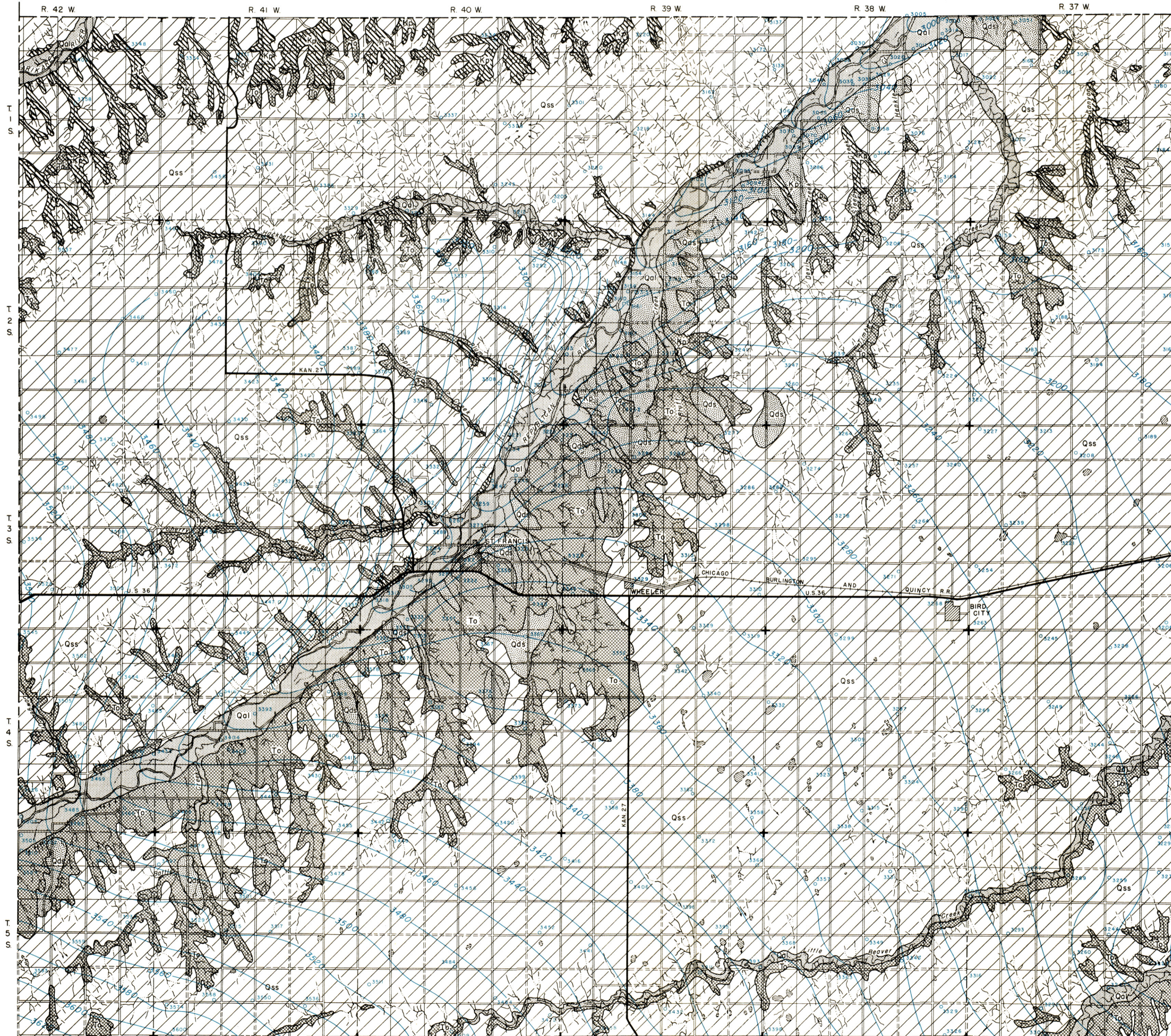
# AREAL GEOLOGY OF CHEYENNE COUNTY, KANSAS

With Water-Table Contours

by Glenn C. Prescott, Jr.  
1950

Bulletin 100  
Plate 1

State Geological Survey  
of Kansas



## EXPLANATION

**Qa**  
Alluvium  
Sand, gravel, and silt comprising stream deposits. Yields moderate supplies of water to wells along South Fork Republican River and small amounts in smaller valleys.

**Qds**  
Dune sand  
Fine to coarse sand. Generally lies above the water table.

**Qss**  
Sandbox formation (including slope deposits)  
Tan to light-brown silt. In places is very sandy and in places contains sand and gravel at the base. Generally lies above the water table.

**To**  
Ogallala formation  
Sand, gravel, and silt, predominantly calcareous. May be consolidated or unconsolidated. Contains calciche beds and a limestone bed. Yields moderate to large supplies of water to wells.

**Kp**  
Pierre shale  
Tan and light- to dark-gray shale. Not known to yield water to wells in Cheyenne County.

PLEISTOCENE  
QUATERNARY  
PLIOCENE  
CRETACEOUS TERTIARY  
CULFIAN

○ 3298  
Well location. Number refers to altitude of water level

x 3222  
Altitude of water level in flowing stream.

— 3300 —  
Water-table contours based on instrumental levels

Contour interval 20 feet

◌  
Intermittent lake or pond

— Federal or State Highway  
— Graded road  
— Ungraded road  
— Railroad  
— State line (no road)  
— County line (no road)  
— Township line (no road)  
— Section line (no road)  
— Perennial stream  
— Intermittent stream

Base compiled from maps prepared by the Soil Conservation Service

SCALE IN MILES

Drainage from map prepared by U. S. Dept. of Agriculture