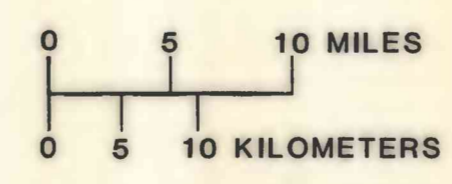


The Cheyenne Sandstone is present in the subsurface throughout most of the study area except the southern one-fifth, where it is absent. The formation is at depths ranging from about 150 feet below land surface in northern Morton County to about 1,950 feet in Wallace County. The depth to the Cheyenne increases toward the northwestern corner of the study area.

Limit of Cheyenne Sandstone modified from Merriam (1963)

**EXPLANATION**

- 1200 — LINE OF EQUAL DEPTH TO CHEYENNE SANDSTONE—Dashed where approximately located. Interval 100 feet. Datum is land surface
- 756 • DATA POINT—Number is depth below land surface to Cheyenne Sandstone, in feet
- — — LIMIT OF UNDIFFERENTIATED LOWER CRETACEOUS ROCKS IN STUDY AREA



Base from U.S. Geological Survey, 1974

**MAP SHOWING DEPTH BELOW LAND SURFACE TO CHEYENNE SANDSTONE, SOUTHWESTERN KANSAS**

By  
Jack Kume and Joseph M. Spinazola

1983