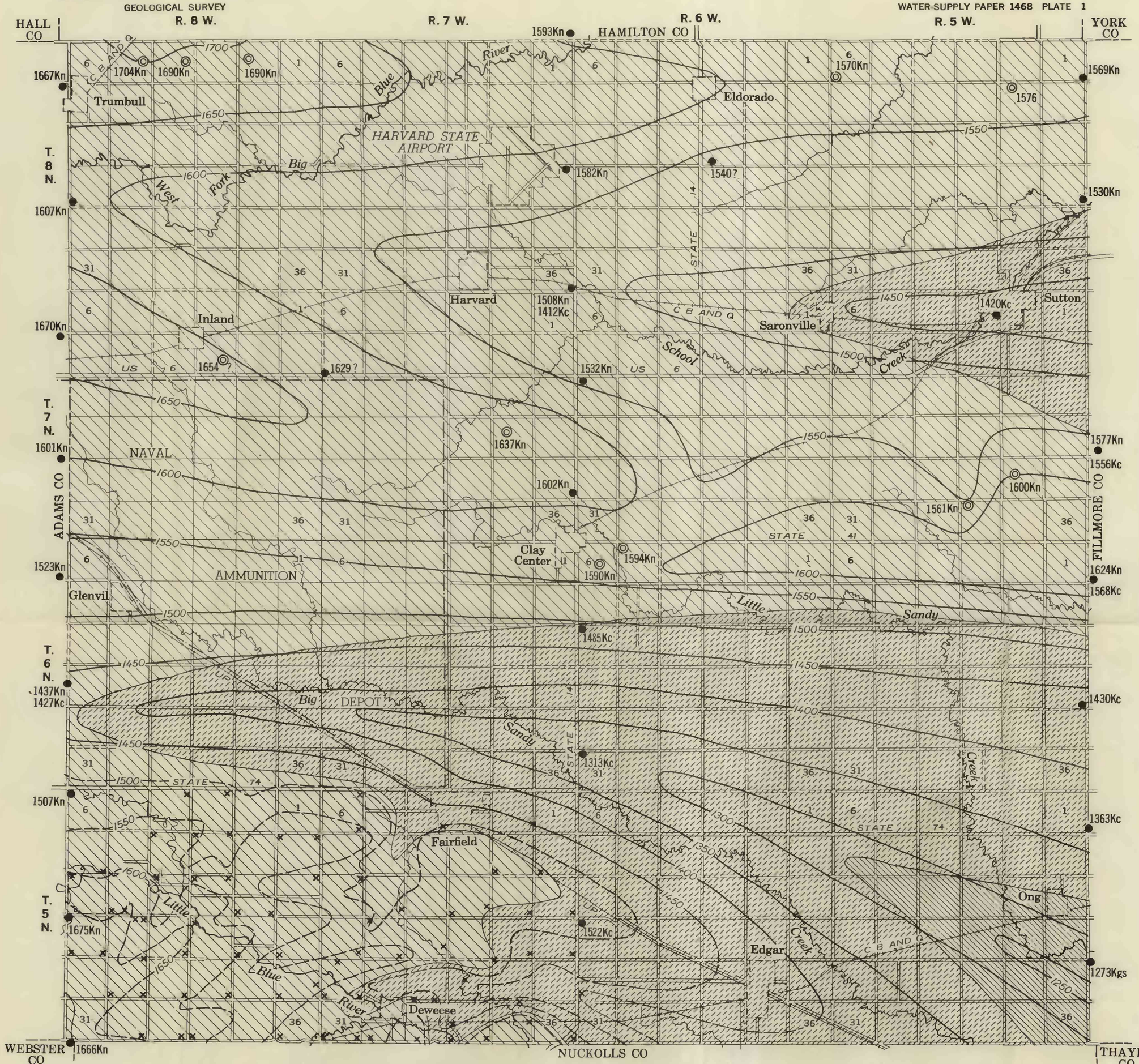

EXPLANATION

Niobrara formation
Chalky shale and chalk. Not known to yield water to wells in Clay County

Carlile shale
Clay shale and chalky shale. Yields no water to wells in Clay County

Greenhorn limestone and Graneros shale, undifferentiated
Limestone and shale. Yields no weter to wells in Clay County

1420Kc
Test hole drilled by the Conservation and Survey Division, University of Nebraska, in cooperation with the U. S. Geological Survey

1600Kn
Irrigation well or test hole for irrigation
Figures are altitude of the top of Cretaceous bedrock; letters indicate bedrock formation **Kn**, *Niobrara formation;* **Kc**, *Carlile shale;* **Kgs**, *Greenhorn limestone and Graneros shale, undifferentiated; ? ,not known*

×
Seismograph shot hole
Altitude of top of Cretaceous bedrock given in table 8

1500
1550
Contours drawn on surface of Cretaceous bedrock; Contour interval, 50 feet, dashed where approximate, datum is mean sea level

N

MAP OF CLAY COUNTY, NEBRASKA, SHOWING THE AREAL GEOLOGY OF THE PRE-TERTIARY ROCKS AND THE CONFIGURATION OF THEIR SURFACE

1 0 6 Miles

467829 O - 59 (In pocket)