

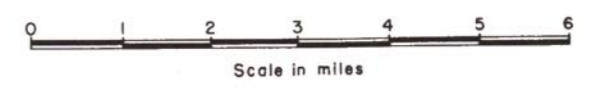
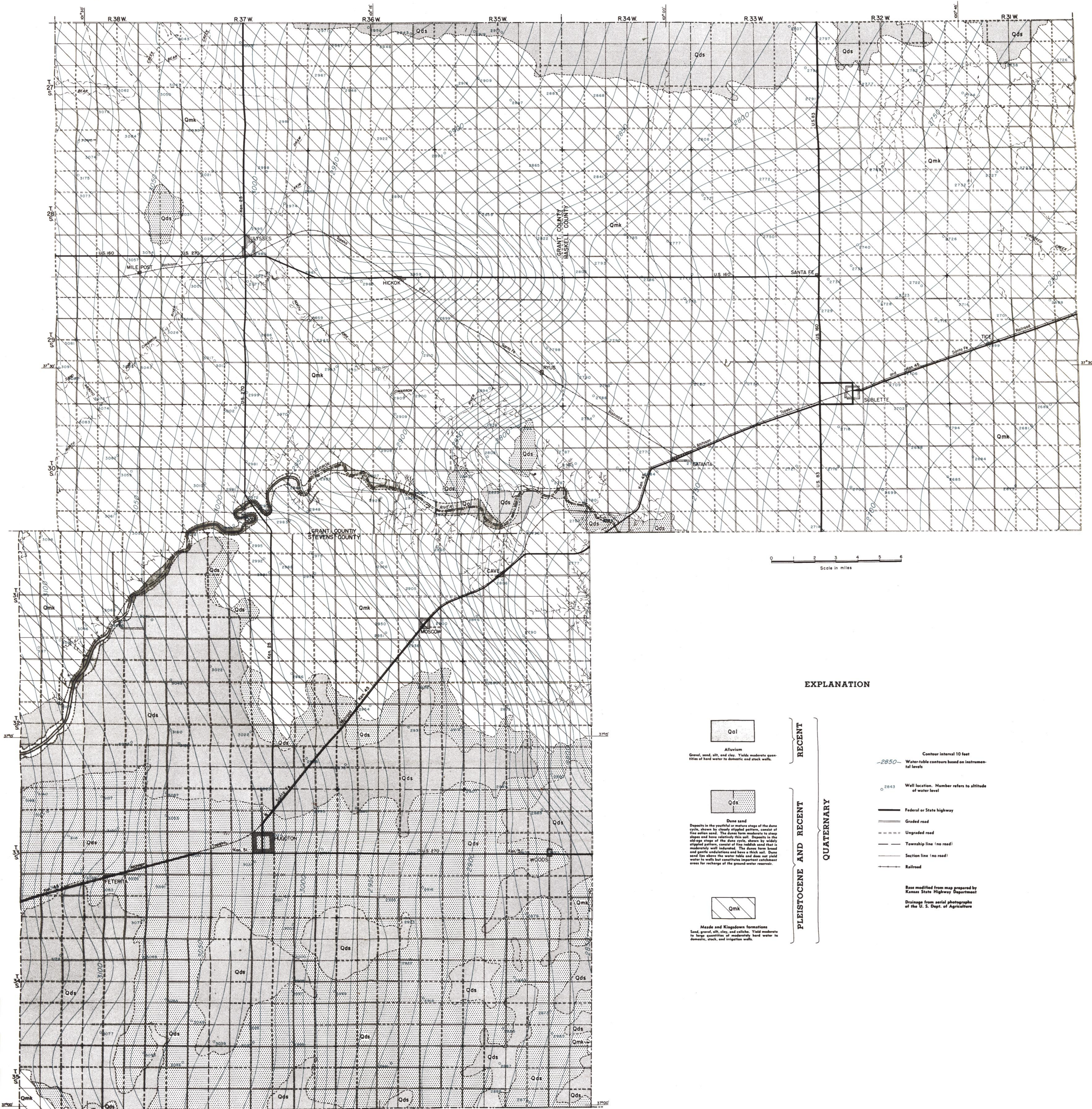
MAP OF GRANT, HASKELL, AND STEVENS COUNTIES, KANSAS

Showing Geology and Water-Table Contours, 1941

By Thad G. McLaughlin

Bulletin 61
Plate 1

State Geological Survey
of Kansas



EXPLANATION

- | | | |
|--|---|--------|
| <p>Qal</p> <p>Alluvium
Gravel, sand, silt, and clay. Yields moderate quantities of hard water to domestic and stock wells.</p> | } | RECENT |
| <p>Qds</p> <p>Dune sand
Deposits in the youthful or mature stages of the dune cycle, shown by closely stippled pattern, consist of fine yellow sand. The dunes form moderate to steep slopes and have relatively thin soil. Deposits in the old-age stages of the dune cycle, shown by widely stippled pattern, consist of fine reddish sand that is moderately well indurated. The dunes form broad and gentle undulations and have a thick soil. Dune sand lies above the water table and does not yield water to wells but constitutes important catchment areas for recharge of the ground-water reservoir.</p> | | |
| <p>Qmk</p> <p>Meade and Kingdown formations
Sand, gravel, silt, clay, and calcite. Yield moderate to large quantities of moderately hard water to domestic, stock, and irrigation wells.</p> | | |
| } | | |
| QUATERNARY | | |
| <p>Contour interval 10 feet</p> <p>—2850— Water-table contours based on instrumental levels</p> <p>○ 2843 Well location. Number refers to altitude of water level</p> <p>— Federal or State highway</p> <p>— Graded road</p> <p>— Ungraded road</p> <p>— Township line (no road)</p> <p>— Section line (no road)</p> <p>— Railroad</p> | | |
| <p>Base modified from map prepared by Kansas State Highway Department</p> <p>Drainage from aerial photographs of the U. S. Dept. of Agriculture</p> | | |