

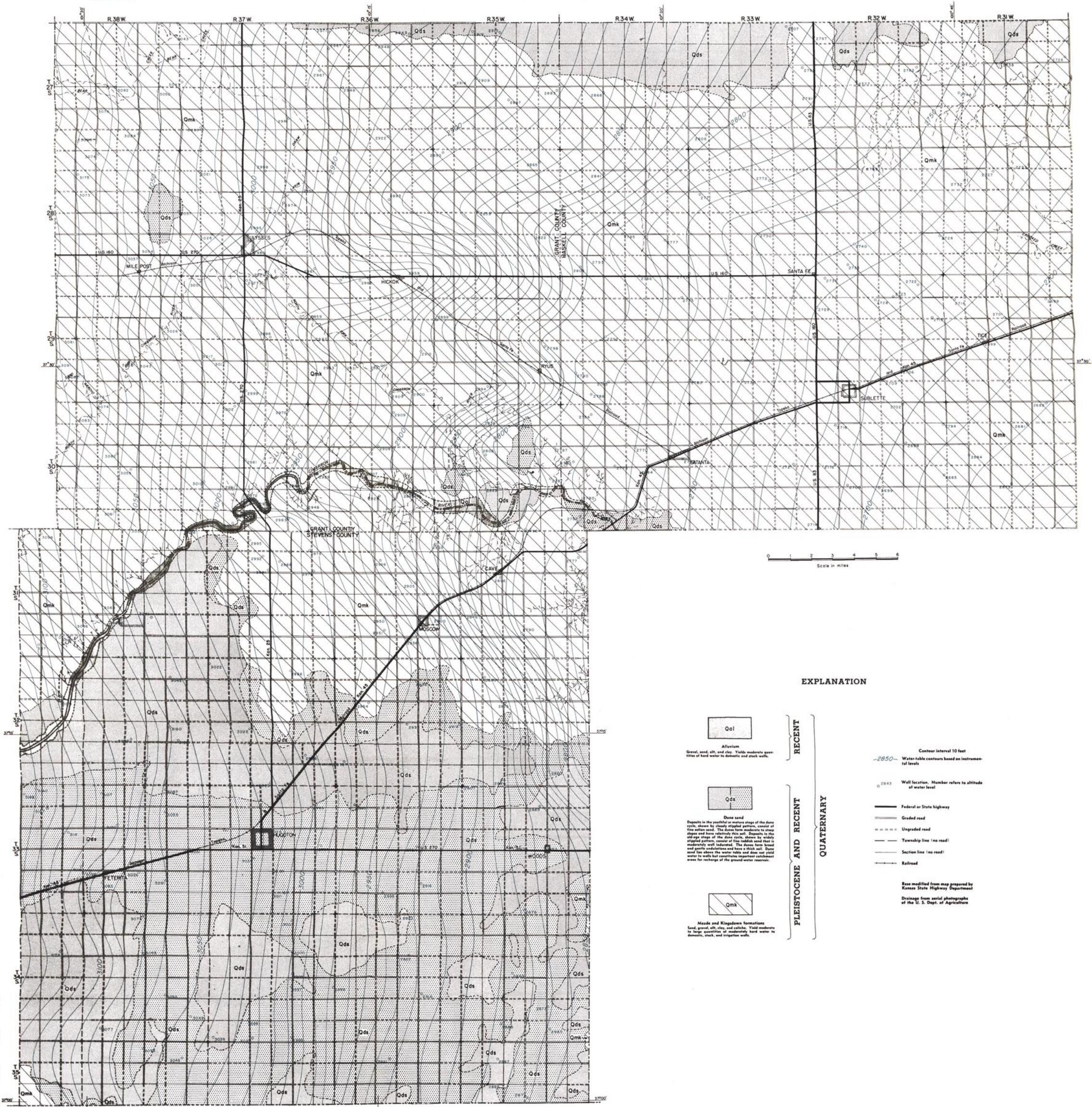
MAP OF GRANT, HASKELL, AND STEVENS COUNTIES, KANSAS

Showing Geology and Water-Table Contours, 1941

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State Geological Survey
of Kansas

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Plate 1



EXPLANATION

- Qol**
Alluvium
Gravel, sand, silt, and clay. Yields moderate quantities of hard water for domestic and stock wells.
- Qds**
Dune sand
Deposits in the youthful or mature stage 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 stage of the dune cycle, shown by widely stippled pattern, consist of fine reddish sand that is moderately well indurated. The dunes have 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.
- Qmk**
Maze and Kingsdown formations
Sand, gravel, silt, clay, and caliche. Yield moderate to large quantities of moderately hard water for domestic, stock, and irrigation wells.

RECENT
PLEISTOCENE AND RECENT
QUATERNARY

- Contour interval 10 feet
- 2850- Water-table contours based on instrumental levels
- Well location. Number refers to altitude of water level
- Federal or State highway
- Graded road
- Ungraded road
- Township line (no road)
- Section line (no road)
- Railroad

Base modified from map prepared by Kansas State Highway Department
Drainage from aerial photographs of the U. S. Dept. of Agriculture