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GROUND WATER IN THE MIDDLE ARKANSAS RIVER BASIN KANSAS

PLATE 1

EXPLANATION

Surface Geology

- Qal — Alluvium
- Qd — Dune sand
- Qs — Silt
- Qu — Undifferentiated Pleistocene deposits
- Qtc — Loveland and Crete Formations
- Qsg — Sappa and Grand Island Formations
- Qfh — Fullerton and Holdrege Formations
- To — Ogallala Formation

Pleistocene and Holocene — Plio-cene — QUATERNARY — TERT-IARY

- Kc — Colorado Group
- Kku — Undifferentiated Lower Cretaceous rocks
- Pwn — Whitehorse Sandstone and Nippewalla Group
- Ps — Sumner Group
- Pc — Chase Group
- Pcg — Council Grove Group
- Pa — Admire Group
- Pw — Wabaunsee Group

Upper Creta-ceous — Lower Creta-ceous — Lower and Upper Permian — Upper Penn-sylvanian — CRETACEOUS — PERMIAN — PENN-SYLVANIAN

Contact

1250 — Potentiometric contour
Shows altitude at which water level would have stood in tightly cased wells. Dashed where inferred. Contour intervals 25 and 50 feet. Datum is mean sea level

Surface-water basin boundary

Base from State Highway Commission of Kansas

Scale 1:250 000
0 3 6 MILES

Geology and hydrology modified from Bayne (1956, 1960, 1962), Fent (1950), Jewett (1964), Lane (1960), Lane and Miller (1965), Latta (1948, 1950), McLaughlin (1949), Walters (1960), Williams and Bayne (1946), and Williams and Lohman (1949).

* U.S. GOVERNMENT PRINTING OFFICE: 1972 — 760-801

GEOLOGIC MAP SHOWING CONFIGURATION OF POTENTIOMETRIC SURFACE