## MAP OF HAMILTON AND KEARNY COUNTIES, KANSAS

Showing Geology and Water-Table Contours, 1940 State Geological Survey of Kansas Bulletin 49 By Thad G. McLaughlin Plate 1 EXPLANATION 3282.1 3254.7 3477.8 TQ Undifferentiated Pliocene and Pleistocene deposits Sand, silt, gravel, and caliche. Yields moderate to large quantities of moderately hard water to domestic, stock, and irrigation wells. Smoky Hill chalk member Orange-yellow shaly chalk. Yields little or no water to wells. Kcb Codell sandstone and Blue Hill shale members Codell sandstone and back this state of fine-grained sandstone and sandy shale. Yields small quantities of water to a few wells. Blue Hill shale member is blue-black fissile shale and yields little or no water to wells. 3023.1 Yields very small quantities of water to a few wells in northern Hamilton county. Graneros shale Dark gray fissile shale. Yields little or no water to wells. 2934.2 Qds / Buff, brown, and tan fine-grained sandstone con-taining vari-colored shale and clay. Yields moderate quantities of moderately hard water to domestic and stock wells in Hamilton county and southwest-ern Kearny county. 2931.A Contour interval 10 feet 2950 Water-table contours based on instrumental levels (dashed where position is inferred) 3386.6 Qds 3291.0 Federal or State Highway TQ 3344.9 ===== Ungraded road 32014 ---- Township line (no road) Base modified from map prepared by Drainage from aerial photographs of U.S. Department of Agriculture. Kansas State Highway Department 3244

Scale in miles