Atchison County
W.C. Johnson
A.N. Koop

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EFFINGHAM QUADRANGLE
KANSAS—ATCHISON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

6963 II NE (HORTON) | 6963 III NW (EVEREST) | 6963 III NE (DENTON)

95°30′ — 95°22′30″ — 39°37′30″ — 39°30′ — 32′30″ — 35′

R. 17 E. — R. 18 E.

2 730 000 FEET

T. 5 S. — T. 6 S.

6963 II SE (WHITING) | 6963 III SE (LANCASTER)

HORTON 9.2 MI. MUSCOTAH 1.2 MI.

LANCASTER 4 MI. ATCHISON 13 MI. (VIA U.S. 73)

MONROVIA 1.6 MI. ATCHISON 16 MI. (VIA KANS. 9)

(ABRINGTON) 6962 I NE | (NORTONVILLE) 6962 IV NE

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1957. Field checked 1961

Polyconic projection. 1927 North American datum
10,000-foot grid based on Kansas coordinate system, north zone
To place on the predicted North American Datum 1983 move the projection lines 3 meters north and 22 meters east as shown by dashed corner ticks
1000-meter Universal Transverse Mercator grid ticks, zone 15, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photogrphs. This information is unchecked

Revisions shown in purple compiled in cooperation with State of Kansas agencies from aerial photographs taken 1978. Map edited 1979. This information not field checked

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND STATE GEOLOGICAL SURVEY, LAWRENCE, KANSAS 66044
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

KANSAS
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

Qal – alluvium and terrace deposits (Qt)

Ql – loess and Nortonville clay

Qg – glacial till and glaciofluvial deposits

Pzpsr – Root Shale, Stotler Limestone, Pillsbury Shale, and Zeandale Limestone

Pwm – Willard Shale, Emporia Limestone, Auburn Shale, and Bern Limestone

Pws – Scranton Shale, Howard Limestone, and Severy Shale

EFFINGHAM, KANS.
N3930—W9522.5/7.5

1961
PHOTOREVISED 1979
DMA 6963 III SW—SERIES V878

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979