



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1970. Field checked 1971

Polyconic projection. 1927 North American datum
10,000-foot grid based on Oklahoma coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue

Fine dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked
to place on the predicted North American Datum 1983
move the projection lines 3 meters south and
21 meters east as shown by dashed corner ticks

UTM GRID AND 1982 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24000
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
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AND STATE GEOLOGICAL SURVEY, LAWRENCE, KANSAS 66044
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs
taken 1980 and other sources. Map edited 1982
This information not field checked
Areas bounded by dashed purple lines and
printed with disturbed surface pattern
represent reclaimed mining areas

ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Light-duty road, hard or improved surface
Unimproved road
Interstate Route
U. S. Route
State Route

WELCH NW, OKLA.-KANS.
N3652.5-W9507.5/7.5

1971
PHOTOREVISED 1982
DMA 6967 1 NW-SERIES V883