



Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and Oklahoma Geological Survey  
Topography by photogrammetric methods from aerial  
photographs taken 1962. Field checked 1965  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Oklahoma coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 14, shown in blue  
Fine red 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 4 meters south and  
28 meters east as shown by dashed corner ticks

UTM GRID and 1983 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
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AND BY THE OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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

QUADRANGLE LOCATION

NEWCASTLE, OKLA.  
N3507.5—W9730/7.5  
1965  
PHOTOREVISED 1983  
University of Wisconsin—Madison  
MAY 21 1984

Revisions shown in purple compiled from aerial  
photographs taken 1981 and other sources  
This information not field checked. Map edited 1983  
Purple tint indicates extension of urban areas