UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TULSA METROPOLITAN AREA
PLANNING COMMISSION

LEONARD QUADRANGLE
OKLAHOMA
7.5 MINUTE SERIES (TOPOGRAPHIC)

6856 III SW (JENKS)
6856 III SE (BROKEN ARROW)
6856 II SW (ONETA)
6855 IV NW (BIXBY)
6855 I NW (COWETA)

95°52'30" 36°00' 95°45' 57'30" 55' 35°52'30"

UNION 5.2 MI. BROKEN ARROW 3.9 MI. COWETA 6 MI. TULSA 23 MI. BIXBY 2.5 MI. STONEBLUFF 1.3 MI. MUSKOGEE 27 MI. 0.6 MI. TO U.S. 64

2 660 000 FEET 2 640 000 FEET 50' 47'30"

242000m E. 251000m E.

3987000m N. 3974000m N.

370 000 FEET 320 000 FEET

R. 13 E. R. 14 E. R. 15 E.

T. 18 N. T. 17 N. T. 16 N.

B O L E S

W I L L O W S P R I N G S

A R K A N S A S R I V E R

B I X B Y

S H A W N E E

S T O N E B L U F F

Kadashan Bottom

Broken Arrow Creek

Haikey Creek

Snake Creek

Rock Creek

Mountain Creek

Oil Wells
Oil Well
Gas Wells
Gas Well
Strip Mine
Gravel Pit
Landing Field
White Ch
Church of God
Simmons Cem
Broken Arrow Waterworks
Leonard
Leonard Sch
Vernon Sch
Conjada Mountains
BM 596
BM 598
BM 608
BM 609
BM 575
BM 704
BM 638
BM 641
BM 584
OIL AND GAS FIELD
TULSA CO
WAGONER CO
OKMULGEE CO
LEVEE
ROAD
STREET
MINGO
121ST
TEXAS AND PACIFIC

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1956. Field check 1957

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

Revisions shown in purple compiled from aerial photographs taken 1967. This information not field checked

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN GN 1°39' 29 MILS 8½° 151 MILS

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
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

OKLAHOMA
QUADRANGLE LOCATION

MAP AND AIR PHOTO LIBRARY
University of Wisconsin

LEONARD, OKLA.
N3552.5—W9545/7.5
1957
PHOTOREVISED 1967
AMS 6855 IV NE—SERIES V883

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