UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OKLAHOMA

OPTIMA QUADRANGLE
OKLAHOMA—TEXAS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

5757 IV NW (STRAIGHT)
5757 IV NE (STRAIGHT NE)
5757 IV NW (HOOKER NW)
5757 IV SW (STRAIGHT SW)
5757 III SW (HOOKER)
(GUYMON) 5757 III NW
(OPTIMA DAM) 5757 IV NW

101°22′30″ — 101°15′ — 36°52′30″ — 36°45′

289000m E. — 290 — 291 — 20′ — 292 — 293 — 294 — 295 — 17′30″ — 296 — 297000m E.

1 040 000 FEET — 690 000 FEET — 660 000 FEET — 1 020 000 FEET

R. 16 E. — R. 17 E.

4083000m N. — 4081 — 4080 — 4079 — 4078 — 4077 — 4076 — 4075 — 4074 — 4073 — 4072 — 4071 — 4070 — 4070000m N.

T. 5 N. — T. 4 N. — T. 3 N.

HUGOTON, KANS. 20 MI.
HOOKER 2 MI.
6 MI. TO OKLA. 136
LIBERAL, KANSAS (VIA U.S. 54) 22 MI.
GUYMON 7 MI.
STRATFORD, TEX. (VIA U.S. 54) 48 MI.

PIPELINE
OLD RAILROAD GRADE
LANDING STRIP
Landing Strip
Landing Field
Radio Towers
Gravel Pits
Caliche Pit
Caliche Pits
Oil Well
Oil Wells
Gas Well
Gas Wells
Well
Refinery
Water Tank
BM
Pond
Creek

Midway
Panoma
Optima

F R I E N D S H I P
O P T I M A
G R A N D V A L L E Y

OKEENE AND CHICAGO ROCK ISLAND AND PACIFIC

Mapped, edited, and published by the Geological Survey in cooperation with the Oklahoma Highway Department, Oklahoma Water Resources Board, and Oklahoma State Soil Conservation Board

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1966. Field checked 1967

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 14, shown in blue

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

Revisions shown in purple compiled from aerial photographs taken 1974. This information not field checked

GN MN — 1°23′ 25 MILS — 10° 178 MILS

UTM GRID AND 1974 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 1/2 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 5 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 BY THE OKLAHOMA GEOLOGICAL SURVEY, NORMAN, OKLAHOMA 73069
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

OKLAHOMA
QUADRANGLE LOCATION

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

MAP AND AIR PHOTO LIBRARY
MAY 24 1978
University of Wisconsin Madison

OPTIMA, OKLA.
N3645—W10115/7.5
1967
PHOTOREVISED 1974
AMS 5757 IV SE—SERIES V883

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977