UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TWIN BUTTES QUADRANGLE
TEXAS–TOM GREEN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 KNICKERBOCKER 15' QUADRANGLE

5847 II (CARLSBAD) 1:62 500

5947 III SW (SAN ANGELO NORTH)

5847 II SE (MOUNT NEBO)

STERLING CITY 39 MI
5.2 MI. TO U.S. 67

1 940 000 FEET

660 000 FEET

630 000 FEET

1 910 000 FEET

100°37'30" 100°30'

31°30' 31°22'30"

27'30" 25'

346 000m. E. 347 348 349 35' 350 351 352 32'30" 354 355 356 357 357 000m. E.

3485 000m. N. 3484 3483 3482 3481 3480 3479 3478 3477 3476 3475 3474 3473 3472 000m. N.

O C FISHER LAKE
1908

Pulliam Pt

Pulliam Oil Field

Twin Buttes

TWIN BUTTES RESERVOIR
1940

LAKE NASWORTHY
1872

Red Slough

Red Bluff Slough

CONCHO RIVER

MIDDLE CONCHO RIVER

Chapel-on-the-Hill

Nasworthy

Oil Well 2011

Oil Tanks

Gravel Pit

Radio Tower 2212

Radio Tower 2130

Water Tank 2192

Cross 1937

WT

BM 1941
BM 1968
BM 1945
BM 1946
BM 1955
BM 2006
BM 1960
BM 2037
BM 1985
BM 1891

PIPELINE

ROAD

ARDEN

ATCHISON, TOPEKA AND SANTA FE

SPILLWAY 1938
SPILLWAY 1978
SPILLWAY 1935
SPILLWAY 1928
SPILLWAY 1937

MERTZON 23 MI.
ARDEN 8 MI.

3 MI. TO U.S. 67

SAN ANGELO (POP. 45 MI.

5 MI. TO U.S. 277

TANKERSLEY 2.3 MI.
BIG LAKE 59 MI.

(KNICKERBOCKER 1:62 500)

5846 I (KNICKERBOCKER 1:62 500)

5946 IV (WALL 1:62 500)

5946 I (SAN ANGELO SOUTH)

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Topography from aerial photographs by ER-55 plotter
Aerial photographs taken 1954. Field check 1957

Polyconic projection. 1927 North American datum
10,000-foot grid based on Texas coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue

Areas covered by dashed light-blue and light-purple patterns are subject to controlled inundation

Revisions shown in purple compiled from aerial photographs taken 1971 and 1975. Map edited 1978
This information not field checked

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN 0°49' 14 MILS
MN 9° 169 MILS

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
FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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

TEXAS
QUADRANGLE LOCATION
3100–244

USGS Historical File Topographic Division

MAR 15 1978

TWIN BUTTES, TEX.
NE/4 KNICKERBOCKER 15' QUADRANGLE
N3122.5—W10030/7.5
1957
PHOTOREVISED 1971 AND 1978
AMS 5846 I NE – SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1978