UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

GEOLOGIC MAP OF THE NORTH FRANKLIN MOUNTAIN QUADRANGLE, TEXAS

BUREAU OF ECONOMIC GEOLOGY OPEN-FILE MAP 1994

NORTH FRANKLIN MOUNTAIN QUADRANGLE

TEXAS–EL PASO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

4848 II SE (ANTHONY)
4748 III SW (NEWMAN SW)
6748 III SE (NEWMAN)
4647 IV NE (CANUTILLO)
4747 IV NE (FORT BLISS NE)
(SMELTERTOWN) 4647 I SE
(EL PASO) 4747 IV SW
(FORT BLISS SE) 4747 IV NE

106°30′ — 106°22′30″ — 32°00′ — 31°52′30″ — 57′30″ — 55′ — 25′

359 000m.E. — 90 000 FEET — 890 000 FEET — 860 000 FEET — 354 000m.N. — 3528 000m.N.

WHITE SANDS 33 MI. — 7.3 MI. TO U.S. 62 AND 180 — EL PASO (COURTHOUSE) 11 MI. — NEWMAN 5.2 MI. — NEWMAN 6.4 MI.

Hitt Ranch — Water — Rattlesnake Tanks — New Well — Water — Well — Substation — Oil — Sewage Disposal — PIPELINE — West Well — Water — South Well — Water — Landing Area — Water — Dam — Water — Well — Drive-In Theater — Trailer Park — CITY BOUNDARY — Reservoir — Trailer Park — Tobin — Water — Swimming Pool — Water — Radio Station — Observation Tower — Observation Tower — Observation Tower — Dam — Dam — Dam — Ditch — Ditch — Ditch — Landing Strip — FENCE — TELEPHONE — Reeves — Smugglers Pass — Mundys Spring — Mundys Gap — Indian Spring — Navigation Light (Aero) — Indian Peak — North Franklin Mountain — Oak Spring — Castner Range — Canyon — Whispering Springs — Canyon — Canyon — Flussemann Canyon — PROVISIONAL — BOUNDARY — FORT BLISS MILITARY RESERVATION — EL PASO — CITY BOUNDARY MIL RES BDY — Qw (QTcr)

Anthonys Nose — 5237

Mapped by the Defense Mapping Agency
Published for civil use by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Topography by photogrammetric methods from aerial photographs taken 1954. Photography field annotated 1955

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 13, shown in blue

The difference between 1927 North American Datum and North American Datum of 1983 (NAD 83) for 7.5 minute intersections is given in USGS Bulletin 1875. The NAD 83 is shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Rev. 1, 4/96

GN 0°46′ 14 MILS — MN 12° 213 MILS

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Revisions shown in purple compiled by the Geological Survey from aerial photographs taken 1967 and 1973
This information not field checked

Purple tint indicates extension of urban areas

SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DASHED LINES REPRESENT 5 AND 10-FOOT CONTOURS
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
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Geology by J. A. Raney and E. W. Collins
1994

Bedrock geology modified from Richardson (1909) Harbour (1972), McAnulty (1967), and Figures (1987)

Faults displacing Quaternary deposits modified from Seager (1980), Machette (1987), and Collins and Raney (1991)

TEXAS
QUADRANGLE LOCATION

3106-433

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

NORTH FRANKLIN MOUNTAIN, TEX.

31106-H4-TF-024

1955
PHOTOREVISED 1967 AND 1973
DMA 4747 IV NW–SERIES V882

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1991