



Prepared by the U. S. Geological Survey for publication by the Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C.

6.6 KM. TO ROAD NO. 287

Scale 1:50,000

Meters 1000 500 0 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

3 Statute Miles

5 Kilometers

3 Nautical Miles

REPRINTED BY NIMA 8/02

CONTOUR INTERVAL 10 METERS
SUPPLEMENTARY CONTOURS 5 METERS
ELEVATIONS IN METERS

SPHEROID: CLARKE 1866
GRID: 1000 METER UTM ZONE 13 (BLACK NUMBERED LINES)
CENTRAL ZONE (BLACK TRACES)
10,000 FOOT NEW MEXICO STATE PLANE COORDINATE SYSTEM

PROJECTION: TRANSVERSE MERCATOR
VERTICAL DATUM: NORTH AMERICAN DATUM OF 1929
HORIZONTAL DATUM: U.S. GEODETIC DATUM OF 1929
CONTROL: USGS MONUMENTS
PREPARED BY: U. S. GEOLOGICAL SURVEY
PRINTED BY: DMA

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

LEGEND

ROADS

- Divided highway with median strip
- Primary, all weather, hard surface
- Secondary, all weather, hard surface
- Light duty, all weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Route markers: Interstate, Federal, State
- Bridge With superstructure, Without superstructure
- RAILROADS (Standard gauge 1.44m - 4'8 1/2")
- Single track
- Multiple track
- Nonoperating
- Railroad station, Location known, Location unknown
- Car line
- Railroad bridge With superstructure, Without superstructure
- Tunnel, Highway, Railroad

BOUNDARIES

- National, with monument
- State, territory
- County, parish
- Civil township, town
- Incorporated city, village, town
- Reservation, National, State, Military

Power transmission line

- Buildings
- Structures
- Church, School
- Power substation
- Windmill, Watermill
- Well, Tank
- Mine shaft
- Open pit mine or quarry
- Horizontal control station
- Bench mark, non-monumented
- Bench mark, monumented
- Spot elevation in meters
- Location, elevation in meters
- Bluffs, cliffs
- Woodland
- Scattered trees, Scrub
- Vineyard, Orchard, plantation
- Interruption: Lake, Dam, Earthen, Masonry
- Stream, Perennial, Intermittent
- Marsh, swamp
- Small rapids, Small falls
- Large rapids, Large falls

MAP INFORMATION AS OF 1978

ON THIS MAP, A LANE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH. IN DEVELOPED AREAS, ONLY THROUGH ROADS ARE CLASSIFIED.

CONVERSION GRAPH
(1 meter = 3.28 feet)
Meters Feet

1400 4500
1300 4200
1200 3900
1100 3700

ELEVATION GUIDE

ADJOINING SHEETS

BOUNDARIES

SIERRA COUNTY
DONA ANA COUNTY
OTERO COUNTY

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK
1 800-455-0099; COMMERCIAL 314 263-8844; DDA 4973 4844; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY
AND MAPPING AGENCY, ATTN: ES, MAIL STOP 1-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5002.

THIS MAP IS RED LIGHT READABLE
There are private holdings within the boundaries
of the National or State reservations shown on this map.

TO CONVERT A
GRID AZIMUTH TO A
MAGNETIC AZIMUTH
SUBTRACT G-M ANGLE

TO CONVERT A
MAGNETIC AZIMUTH
TO A GRID AZIMUTH
ADD G-M ANGLE

GRID CONVERGENCE
0°21' (13 METERS)
FOR CENTER OF SHEET

1983
G-M ANGLE
12" (310 METERS)

CG

100-METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from gridline to point. 12.2

2. Read large numbers labeling the HORIZONTAL gridline below point and estimate tenths (100 meters) from grid line to point. 45.6

Example: 123456

WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION. Example: CG123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION. Example: 13SCG123456

GRID ZONE DESIGNATION
13S

CG

135

SHEET 4749 IV SERIES V781 EDITION 3-DMA HEART OF THE SANDS

NSN 7643014044113
ED. NO. 003
NIMA REF. NO. V781X47494