

**1:100 000-scale
planimetric map**

**30 X 60 MINUTE QUADRANGLE
SHOWING**

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1984

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1972. Partially revised from aerial photographs taken 1982 and other source data
Revised information not field checked
Map edited 1984

Projection and 10 000-meter grid, zone 13
Universal Transverse Mercator
25 000-foot grid ticks based on Texas coordinate
system, central zone. 1927 North American Datum
To place on the predicted North American Datum 1983 move
the projection lines 13 meters south and 48 meters east

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS!

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5275
10	32.8084

DECLINATION DIAGRAM

GN
MtV
10°
4 MILES
178 MILES

UTM grid convergence (GN and 1984 magnetic declination (MtV) at center of map
Diagram is approximate

1	2
4	5
6	7
8	8

To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

1 Tonnio
2 Sierra Blanca
3 Van Horn
5 Mount Livermore
6
8 Marfa

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

Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Minor road or street; trail	
Railroad: standard gage; narrow gage	
Bridge: overpass; underpass	
Canal; lock; railroad	
Built up area; locality; settlement	
Airport: landing field; landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U. S. public lands survey: range, township; section	
Range, township; section line: protracted	
Range reservation line; pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; not; cave; mine, quarry; gravel pit	
Cemetery; picnic area; U. S. location monument	
Ruined cliff dwelling	
Disturbed surface: mine, levee, sand	
Contours: index; intermediate; supplementary	
Supothetic contours: index; intermediate	
Stream: lake; perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Other symbols	
Stones, boulders	

A pamphlet describing topographic maps is available on request.

