



Odessa TEXAS

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

1986

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1964-1981 and other source data
 Revised information not field checked
 Map edited 1986
 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 11 meters south and 41 meters east
 There may be private inholdings within the boundaries of the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	Diagram		Map Grid	
2	6.561			1	2
4	13.122			3	4
6	19.683			5	6
8	26.244			7	8
10	32.805			9	10
12	39.366			11	12
14	45.927			13	14
16	52.488			15	16
18	59.049			17	18
20	65.610			19	20

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid convergence (GCM) and magnetic declination (MD) at center of map
 Diagram is approximate

USGS WMD HISTORICAL MAPS U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

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Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light city road, principal street, hard or improved surface	
Other road or street, trail	
Route marker, Interstate; U. S. State	
Railroad, standard gage; narrow gage	
Bridge, overpass; underpass	
Tunnel, road; railroad	
Built up area, locality, elevation	
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	
Power transmission line, pipeline	
Dam; dam with lock	
Cemetery, building	
Windmill; water well; spring	
Mine shaft; salt or cave; mine, quarry; gravel pit	
Compass rose; picnic area; U. S. location monument	
Ruins, old dwelling	
Distorted surface; strip mine, lava, sand	
Contours: index; intermediate; supplementary	
Bathymetric 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	
Scrub; mangrove	
Other; viewshed	