



Prepared by the U.S. Army Topographic Command (TPCKCSX), Washington, D.C. Compiled in 1962 by photogrammetric methods. Aerial photography 1957-58. Photography field annotated 1959. Revised by U.S. Geological Survey, 1969.

Transverse Mercator Projection 10,000-meter Universal Transverse Mercator grid, zone 13. 100,000-foot grid ticks based on Texas coordinate system, south central zone, 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 17 meters south and 47 meters east.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

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

**LEGEND**

Figures in red denote approximate distances in miles between stars.

<b>POPULATED PLACES</b>	<b>ROADS</b>
Over 500,000 <b>LOS ANGELES</b>	Primary, all-weather, hard surface
100,000 to 500,000 <b>OMAHA</b>	Secondary, all-weather, hard surface
25,000 to 100,000 <b>GALVESTON</b>	Light-duty, all-weather, improved surface
5,000 to 25,000 <b>Laramie</b>	Fair or dry weather, unimproved surface
1,000 to 5,000 <b>Grand Coulee</b>	Trail
Less than 1,000	Interchange
<b>RAILROADS</b>	Route markers: Interstate, U.S., State
Normal gauge	Landmark: School, Church, Other, etc.
Narrow gauge	Spot elevation in feet
<b>BOUNDARIES</b>	Marsh or swamp
International	Intermittent or dry stream
State	Woods-brushwood
County	Power line
Park or reservation	

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 Nautical Miles

**CONTOUR INTERVAL 100 FEET**  
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

1969 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 11° 15' (200 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 11° 00' (200 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE.

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

**LOCATION DIAGRAM**

ARIZONA, NEW MEXICO, SONORA, CHIHUAHUA, MEXICO, COAHUILA, NUEVO LEON

**GRID ZONE DESIGNATION: 13R**

TO OBTAIN A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

DD	ED	EC
DC	EC	6 9
		8 4

TO OBTAIN A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

1. Read letters identifying 100,000 meter squares in which the point lies.

2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself.

3. Estimate tenths from grid line to point.

4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.

5. Estimate tenths from grid line to point.

6. Combine figures to obtain reference.

7. If reporting beyond 10' in any direction, prefix Grid Zone Designation, etc.

EXAMPLE: 321 000 13R0884

RETURN TO:  
USGS MID HISTORICAL MAP ARCHIVES