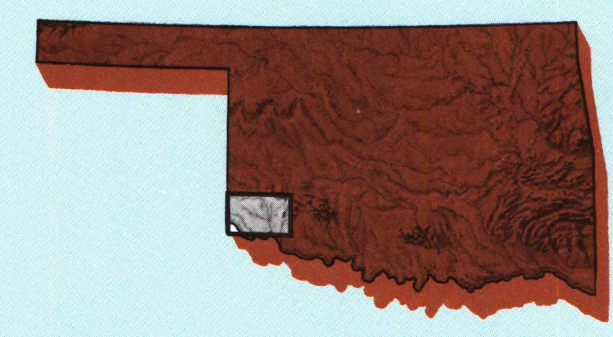


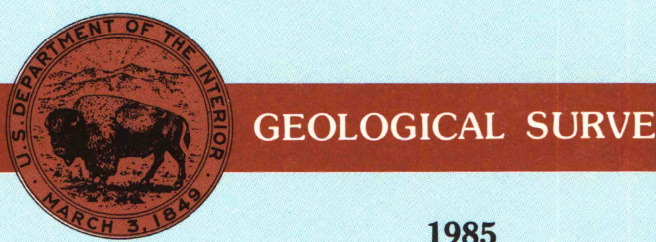
Altus
OKLAHOMA-Texas

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



Produced by the United States Geological Survey
Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1961-1971. Planimetry revised from aerial photographs taken 1963 and other source data. Revised information not field checked. Map edited 1985.
Projection and 10 000-meter grid, zone 14, Universal Transverse Mercator
25 000-foot grid ticks based on Oklahoma coordinate system, south zone and Texas coordinate system, north central zone. 1927 North American Datum
To place on the predicted North American Datum 1983, move the projection lines 3 meters south and 34 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	UTM grid convergence (UTM and 1983 magnetic declination (MM) at center of map. Diagram is approximate)		1	2	3
1	3.2808	0° 15' N		1	2	3
2	6.5617	0° 30' N		4	5	6
3	9.8425	0° 45' N		7	8	
4	13.1234	1° 00' N				
5	16.4042	1° 15' N				
6	19.6850	1° 30' N				
7	22.9658	1° 45' N				
8	26.2467	2° 00' N				
9	29.5275	2° 15' N				
10	32.8084	2° 30' N				

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

UTM grid convergence (UTM and 1983 magnetic declination (MM) at center of map. Diagram is approximate)

ADJOINING MAPS

1	2	3
4	5	6
7	8	

1 Shumock
2 Elk City
3 Ardmore
4 Mullwage
5 Lawton
6 Chickasha
7 Vernon
8 Burkhardt

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Topographic Map Symbols

Primary highway, hard surface	Secondary highway, hard surface	Light duty road, principal street, hard or improved surface	Other road or street, trail	Route marker: Interstate, U.S. State	Railroad: standard gauge, narrow gauge	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: projected	Power transmission line, pipeline	Dam: dam with lock	Cemetery, building	Windmill; water well; spring	Mine shaft; adit or cave; mine, quarry; gravel pit	Camelground; picnic area, U.S. location monument	Railroad: cliff dwelling	Disrupted surface: strip mine, lava, sand	Contours: index, intermediate, supplementary	Bathymetric contours: index, intermediate	Stream, lake, perennial, intermittent	Rapids, bar, sand and gravel, shoal, levee and small	Area to be submerged; marsh, swamp	Land subject to controlled inundation; woodland	Scrub, mangrove	Drainage, vineyard
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A pamphlet describing topographic maps is available on request

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