

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



1979

Produced by the United States Geological Survey  
in cooperation with the Soil Conservation Service  
Compiled from USGS 1:24 000-scale topographic maps  
dated 1958-1976. Planimetry revised from aerial photographs  
taken 1973 and 1976 and other source data. Revised information  
field checked. Map edited 1979


jection and 10 000-meter grid, zone 15,  
Universal Transverse Mercator  
1000-foot grid ticks based on Arkansas coordinate  
system, north zone and Oklahoma coordinate  
system, north zone  
27 North American Datum

place on the predicted North American Datum 1983  
 above the projection lines 5 meters south and  
 meters east

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

CONTOUR INTERVAL 20 METERS  
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	Fath			1	2	3	
1	2.2868			4	5	6	
2	2.6817			7	8	9	
3	9.4725						
4	13.1234						
5	16.6042						
6	19.8850						
7	22.9659						
8	25.8467						
9	29.5276						
10	32.9084						
convert meters to fathoms multiply by 3.2808		UTM grid convergence (GN) and 1979 magnetic declination (MN) at center of map Diagram is approximate		1 Bartlesville 2 Neosho 3 Table Rock Lake 4 Tulsa 5 Harrison 6 Muskogee 7 Stillwell 8 Fish Gap Mtn			
convert fathoms to meters multiply by 0.5204							



## Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Single dry road, improved street, hard or improved surface	
Other wet or arid trail	
Water right, private U.S. State	
Airroad: stepped grade, narrow gauge	
Overpass: underpass	
Unimproved road, railroad	
Trail to area locality: elevation	
Port, landing field, landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Grant boundary	
Public lands survey: range, township, section	
Area, township, section line, protected	
Over transmission line, pipeline	
Canal	
Can, dam with lock	
Embassy, building	
Drainage, water well, spring	
Area site, cabin, cave, cave mine, quarry, grant	
Homestead, picnic area, U.S. national monument	
U.S. cliff dwelling	
Isolated pasture, strip mine, lake, sand	
Stream, inlet, intermittent, intermittent	
Intermittent contour: index, intermediate	
Contour, lake, perennial, intermittent	
Spice, large and small, falls, large and small	
Area to be submerged, marsh, swamp	
Area subject to controlled inundation: woodland	
Cave, mangrove	
Orchard, vineyard	

pamphlet describing topographic maps is available on request

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1979

