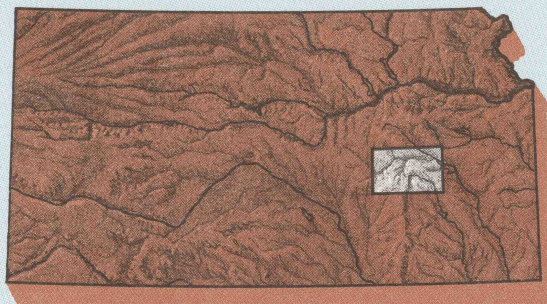
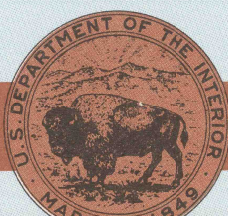


**1:100 000-scale *metric*
topographic map**



30 X 60 MINUTE QUADRANGLE SHOWING

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



GEOLOGICAL SURVEY

1985

PHOTOINSPECTED 1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1957-1979. Planimetry revised from aerial photographs taken 1981 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 Kansas coordinate
system, south zone

1927 North American Datum

To place on the predicted Nox
the projection lines 1 meter

There may be private inholding

Map photoinspected using 1985 photographs
No major culture or drainage changes found

The impact of climate change on drainage changes round

CONTOUR INTERVAL 10 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARD

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
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	29.5276						
10	32.8084						

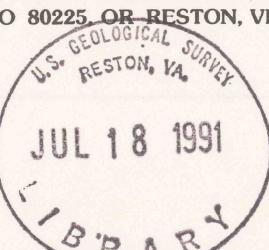
To convert meters to feet multiply by 3.2808

To convert feet to meters multiply by 0.3048

UTM grid convergence (GN) and 1985 magnetic declination (MN) at center of map
Diagram is approximate

1	Salina
2	Council Grove
3	Lawrence
4	Hatchinson
5	Garnett
6	Wichita
7	El Dorado
8	Chanute

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 | |
| Other road or street, trail | |
| Route marker: Interstate U.S.; State | |
| Bridge: overpass; narrow gauge | |
| Bridge: standard; 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: patented | |
| Power transmission line, pipeline | |
| Dam; dam with lock | |
| Canal; culvert | |
| Windmill; water well; spring | |
| Mine shaft; adit or cave; spring; gravel pit | |
| Campground; picnic area; U.S. location monument | |
| Ruins; cliff dwelling | |
| Disturbed surface: strip mine, lava, sand | |
| Stream: lake; intermittent, supplementary | |
| Anthropogenic contours: index; intermediate | |
| Crestline: lake; perennial; intermittent | |
| Rapids, large and small; falls, large and small | |
| Area to be reclaimed; marsh, swamp | |
| Land subject to controlled inundation, woodland | |
| Orchard; vineyard | |

A pamphlet describing topographic maps is available on request.



EMPORIA, KANSAS

38096-A1-TM-100

1985

PHOTOINSPECTED 1985