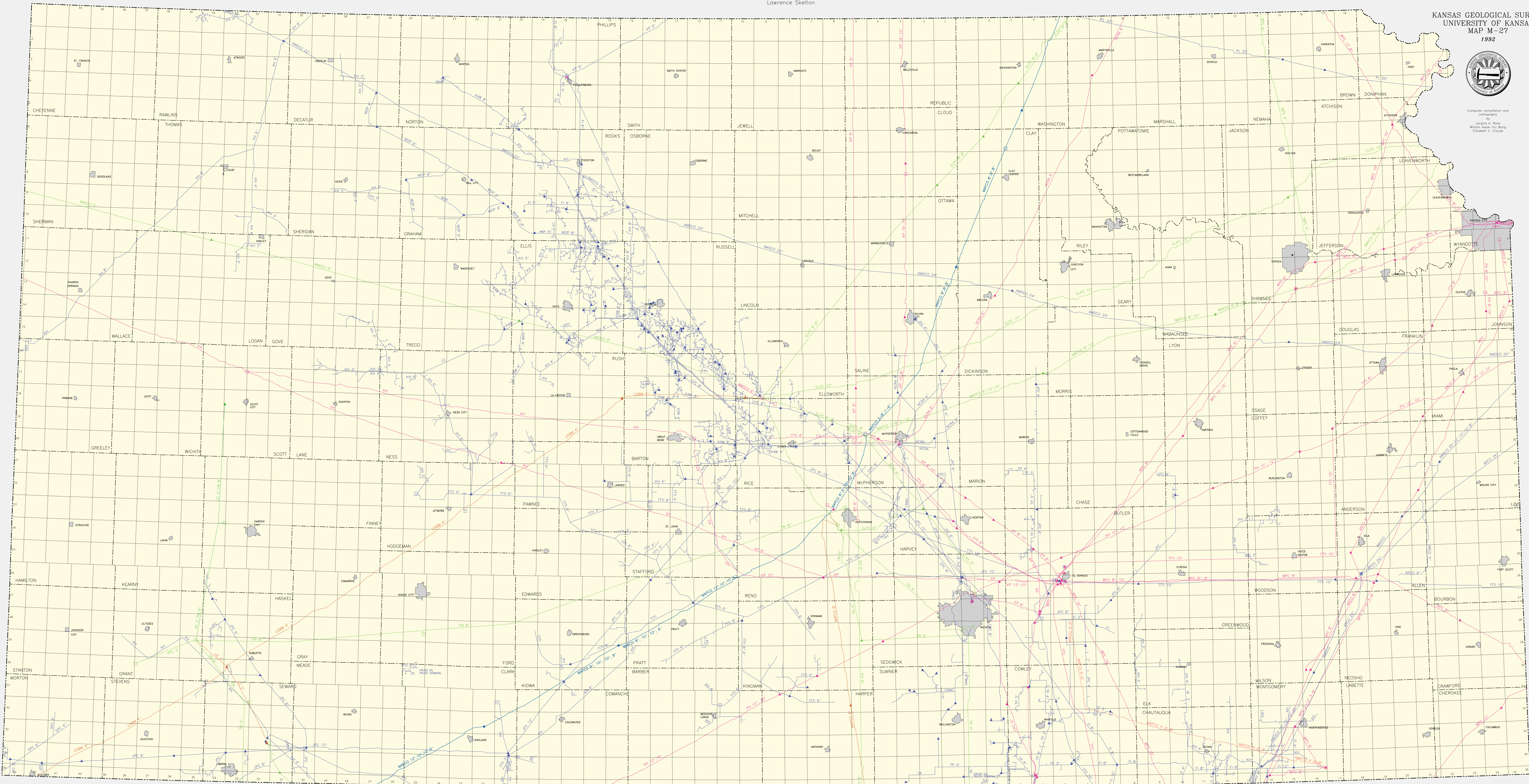


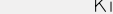
Lawrence Skelton



Computer compilation and  
cartography  
by  
Jorgina A. Ross  
William Kwok-Yiu Wong  
Elizabeth C. Crouse



Lambert Conformal Conic Projection  
with standard parallels at 33° and 45°  
1 inch equals approximately 8 miles



10 20 30  
Kilometers

This map shows approximate locations of oil pipelines made known to the Kansas Geological Survey by various companies, the Kansas Corporation Commission, various county assessor offices, and members of the oil and gas production industry. Not all pipelines or gathering systems are shown on this map, only those known to the Kansas Geological Survey. Nominal line size and capacity is indicated when known. Contents transported are shown by color and include crude oil, natural gas, refined products, helium, liquid petroleum gas, and liquid ammonia. Approximate locations of pump stations, terminals, natural-gas plants, gas-storage areas, and refineries are indicated by symbols. Nominal line size and capacity are indicated for all commercial distances indicated by consecutive numbers, e.g., 4", 8", 12". More than one line of same size is shown as 2-10 (two ten-inch lines), etc.

A standard barrel (bbl) of petroleum is not a barrel, as such, but a unit of measurement equivalent to 42 U.S. gallons. Pipeline capacity normally is expressed in terms of barrels per hundred feet or per mile. Approximate pipeline capacities are:

| Pipeline Internal diameter | 4"   | 6"    | 8"    | 10"   | 12"   | 24"    |
|----------------------------|------|-------|-------|-------|-------|--------|
| Approximate bbls/100'      | 1.6  | 3.5   | 6.2   | 9.8   | 15.0  | 55.0   |
| Approximate bbls/mile      | 84.5 | 184.8 | 327.4 | 517.4 | 792.0 | 2904.0 |

Many members of the pipeline industry are registered with the Konsos One-Call System, which assists persons excavating near buried utilities or pipelines. Its toll free phone number is 1-800-DIG-SAFE. Before digging near any pipelines, it is recommended that the appropriate pipeline company be contacted.

This map was produced by computer-aided cartography using the GIMMAP (Geodata Interactive Management Map Analysis and Production) system developed at the Kansas Geological Survey, revised by Robert J. Sampson.

The Kansas Geological Survey does not guarantee this map to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations made from the map or decisions based thereon.

**Suggested reference to this map:**  
Skelton, L. H., 1992, Oil Pipelines and Industries in Kansas:  
Kansas Geological Survey, Map M-27