

GEOLOGIC MAP OF STANTON FORMATION
IN WEST-CENTRAL AND SOUTHWESTERN MONTGOMERY COUNTY, KANSAS

Kansas Geological Survey

Plate 1

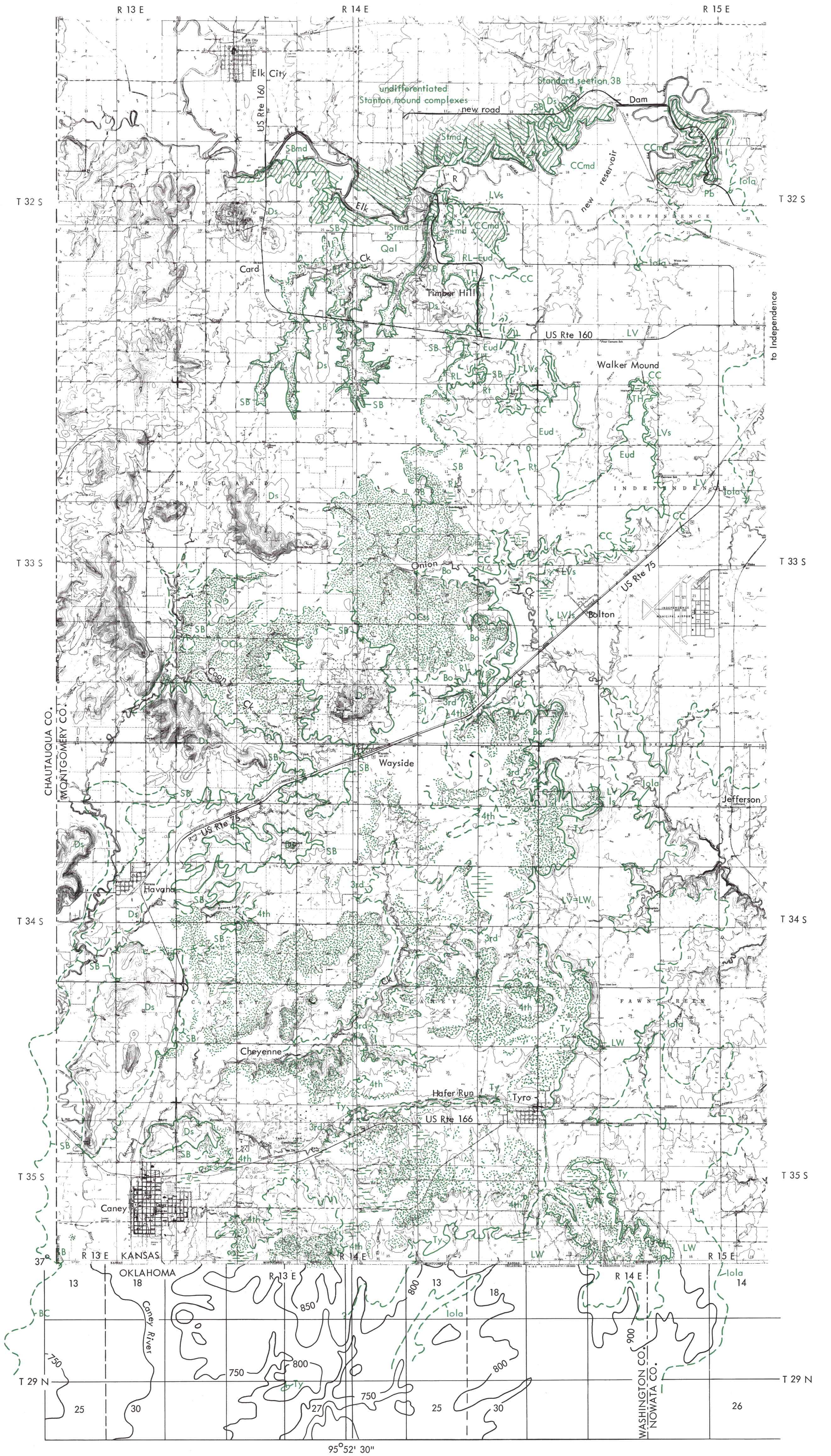
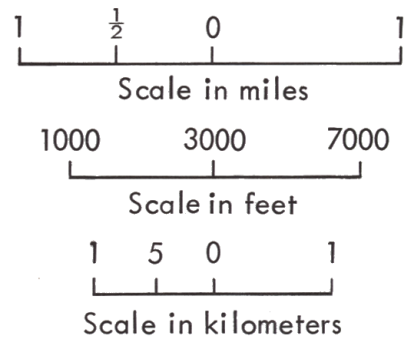


Plate 1--Geologic map of Stanton Formation, West-Central and Southwestern Montgomery County, Kansas. Base map constructed from parts of Elk City, Table Mound, Caney NW, Bolton, Caney, and Tyro 7.5-minute Quadrangles in Kansas and from sketched information from Nowata 30-minute Quadrangle in Oklahoma. Geology shown in green from author's work in Kansas, and modified from Oakes (1940a) in Oklahoma.



Symbols for mapped units:

- General:
- Solid line--outcrop position of traceable limestone unit.
 - Cross bar on line--observed exposure of unit.
 - Broken line--inferred position of traceable limestone unit.
 - Dotted or dotted-broken line--outcrop of thin sandstone or siltstone unit.
 - Solid oblique-lined area--broad outcrop of limestone unit.
 - Dotted area--broad outcrop of sandstone unit.
 - Horizontal broken lines--exposure of shale.
- Letter Symbols (in approximate stratigraphic order):
- Qal--Quaternary alluvium
 - Ds--Stranger Formation of Douglas Group
 - Stanton Formation and correlatives:
 - SB--South Bend Limestone Member
 - BC--"type" Birch Creek Limestone in Oklahoma
 - RL--Rock Lake Shale Member
 - OCss--Onion Creek sandstone body
 - 4th--fourth oolitic horizon
 - str--stromatolite horizon
 - 3rd--third oolitic horizon
 - Rt--Rutland bed
 - TH--Timber Hill siltstone bed
 - Bo--Bolton bed
 - Ty--Tyro oolite bed
 - St--Stoner Limestone Member
 - Eud--Eudora Shale Member
 - CC--Captain Creek Limestone Member
 - md--Phylloid algal mound complex in any limestone member
 - LV--Lane-Vilas Shale
 - LVs--siltstone at top of Lane-Vilas Shale
 - LVls--limestone lenses in Lane-Vilas Shale
 - Pb--Plattsburg Limestone
 - LW--Lower Wann Formation
 - lola--lola Limestone