

LEGEND

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

Cler
Rockcastle conglomerate lentil
(course sandstone or conglomerate lentil in the Lee formation)

Cle
Lee formation
(sandstone and shale with coal seams)

Cleb
Bonair conglomerate lentil
(course sandstone or conglomerate lentil in the Lee formation)

Cpn
Remington shale
(red and green calcareous shale with beds of impure limestone)

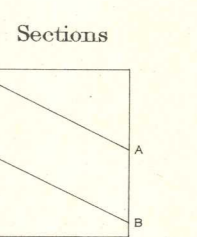
Cn
Newman limestone
(blue limestone cherty at various horizons)

Cns
Newman sandstone lentil
(course yellow sandstone in the Newman limestone)

Cwv
Waverly formation
(blue calcareous shale, impure limestone, and bedded cherty masses in the Newman limestone at the top)

De
Chattanooga shale
(black carbonaceous shale)

Sn
Normandy limestone
(thin blue limestone and calcareous shale contains oil horizons in the vicinity of Sparta 20 to 300 feet below the Chattanooga shale)



☒ COAL Coal mines
☒ WELL Wells drilled for oil

Known productive areas
Coal
(in the Lee formation)

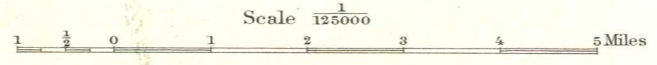
CARBONIFEROUS

DEVONIAN

SILURIAN



Henry Gannett, Chief Topographer.
H.M. Wilson, Chief Geographer in charge.
Triangulation by U.S. Coast and Geodetic Survey and Gilbert Thompson.
Topography by A.E. Murlin.
Surveyed in 1893-4-5.



Contour interval 100 feet.
Datum is mean sea level.
Edition of June 1899.

Geology by Marius R. Campbell,
Joseph A. Taff and Walter C. Mandenhall.
Surveyed in 1896.

(Mo. Knoxville)

(Knoxville)