



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

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

Cle
Lee formation
(sandstone and shale with coal seams)

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

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

Cn
Newman limestone
(blue limestone, cherty at various horizons)

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

Cwv
Waverly formation
(blue calcareous shale, impure limestone, and bedded chert merges into Newman limestone at the top)

Dc
Chattanooga shale
(black carbonaceous shale)

Sn
Normandy limestone
(thin blue limestone and calcareous shale contains oil horizons in the vicinity of Sparrow 200 to 300 feet below the Chattanooga shale)

Known productive areas
(in the Lee formation)

Grouped on the sections as Cle

Grouped on the sections as Cn

(Waverly)

(Boundary)

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. Martin.
Surveyed in 1893-4-5.



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