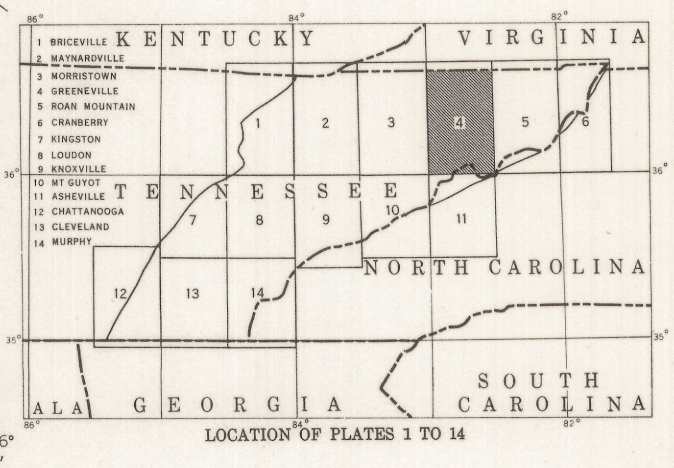


EXPLANATION

- | | | | |
|--|---|--|---|
| | Pennington formation | | Rutledge, Rogersville, and Maryville formations, undivided |
| | Newman limestone | | Pumpkin Valley shale |
| | Grainger Formation | | Middle Cambrian part of Conasauga group |
| | Basal Mississippian and Devonian shale | | Honaker dolomite |
| | Clinch sandstone | | Rome formation |
| | Juniata formation | | Shady dolomite |
| | Martinsburg shale | | Erwin formation |
| | Lower and middle parts of Chickamauga limestone | | Hampton formation |
| | Moccasin formation | | Unicoi formation |
| | Bays formation | | Ocoee series, undivided |
| | Chickamauga limestone, unit 2 | | Sandusky shale |
| | Chickamauga limestone, unit 1 | | Snowbird formation |
| | Sevier shale | | Pre-Cambrian crystalline complex |
| | Knox dolomite or group, undivided | | Contact |
| | Mascot dolomite | | Fault |
| | Kingsport formation | | Well showing location
The first number indicates the number within the county, the second the well number in group |
| | Newala formation | | Spring showing location |
| | Longview dolomite | | For master explanation see plate 11 |
| | Chepatepee dolomite | | |
| | Jonesboro limestone | | |
| | Copper Ridge dolomite | | |
| | Conococheague limestone | | |
| | Maynardville limestone | | |
| | Nolichucky shale | | |
| | Upper Cambrian part of Conasauga group | | |



GEOLOGIC MAP OF EAST TENNESSEE: GREENEVILLE
SHOWING LOCATION OF WELLS AND SPRINGS

Scale 1:125,000
0 5 10 Miles

Base compiled and materials assembled by C. H. Heins, G. D. DeBuchanan and R. M. Richardson of the U. S. Geological Survey. Maps prepared for printing by N. B. Johnson, C. E. James, J. B. Carter, and others of the U. S. Geological Survey.

Geology compiled by John Rodgers, U. S. Geological Survey (For Description of sources see text). Locations of wells and springs listed in the text by George D. DeBuchanan, R. M. Richardson, and others of the U. S. Geological Survey.