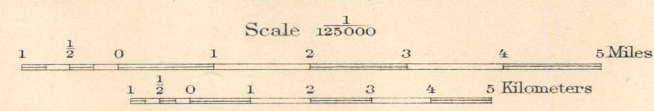




LEGEND

- SEDIMENTARY ROCKS**
(Areas of subequivalent deposits are shown by patterns of parallel lines, subequal deposits by patterns of dots and circles)
- Recent**
 - Qal Alluvium (sandy clay along stream bottoms)
 - Quaternary**
 - Cwl Winslow formation (heavy beds of shale and thin to massive beds of sandstone; upper portion locally coal bearing)
 - Peninsular Morrow group**
 - Cb Bloyd shale (black clay shale with brownish, calc. and fossiliferous limestone lenses and local coal beds)
 - Chl Hale formation (colorless sandstone with dark shale layers in lower portion)
 - Carboniferous**
 - Pitkin limestone (massive, gray granular, fossiliferous limestone)
 - Cvt Fayetteville shale (black clay shale with Washington sandstone lentils, Cvt)
 - Mississippian**
 - Cbn UNCONFORMITY
 - Boone limestone (light gray limestone consisting of large beds and lenses)
 - Faults**
- * Local coal banks

Jno. H. Renshaw, Geographer in charge.
 Triangulation by Geo. T. Hawkins.
 Topography by H. B. Blair and R. H. Mc Kee.
 Surveyed in 1898.



Contour interval 50 feet.
 Datum is mean sea level.

Edition of Dec. 1907.

DIAGRAM OF TOWNSHIP

6 3 4 3 1 1
7 8 9 10 11 12
13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35 36

Geology by A. H. Purdie,
 assisted by Geo. I. Adams, R. D. Mesler,
 and M. K. Shaler.
 Surveyed in 1903 and 1904.

APPROXIMATE MEAN DECLINATION 1907.