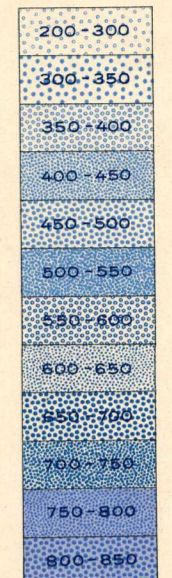
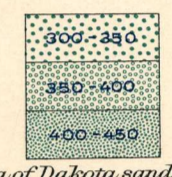


LEGEND



Area of Dakota sandstone which will probably yield flowing wells (depth to top of Dakota sandstone indicated by pattern. Flowing water only to be expected at various horizons below the top of Dakota sandstone. Local flows are often obtainable in the Benton formation above the Dakota sandstone.)



Area of Dakota sandstone which will probably yield pumping wells (depth to top of Dakota sandstone indicated by pattern.)

Area in which Pleistocene deposits or sandstones in the Benton formation will probably yield flowing wells at less than 200 feet depth (in part underlain by Dakota sandstone.)

Area in which Dakota sandstone is absent but which will probably yield flowing wells in Benton formation at greater depth than 200 feet.

Area in which Dakota sandstone is absent and flowing wells can probably not be obtained.

Approximate limit of the Dakota sandstone.

Artesian head of Sioux quartzite (contour lines show approximate altitude above sea to which the principal artesian flow may rise.)

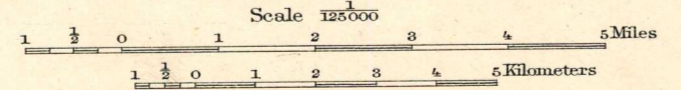
Contours on surface of Sioux quartzite (lines show altitude above sea level; contour interval 20 feet.)

- Flowing wells in Dakota sandstone showing depths to principal flows.
- Flowing wells in Benton formation.
- Flowing wells in Pleistocene deposits.
- Non-flowing wells over 200 feet deep.

Sections



Henry Gannett, Chief Topographer.  
Jno. H. Renshaw, Topographer in charge.  
Control by Geo. T. Hawkins.  
Topography by D.C. Harrison and H.S. Wallace.  
Surveyed in 1894-95.



Contour interval 20 feet.  
Datum is mean sea level.  
Edition of Oct. 1903.

DIAGRAM OF TOWNSHIP

618 13 31 1
718 10 11 12
817 18 14 13
910 21 22 24
1018 28 27 28 29
1113 34 36 38

Geology by J.E. Todd  
Surveyed in 1899.