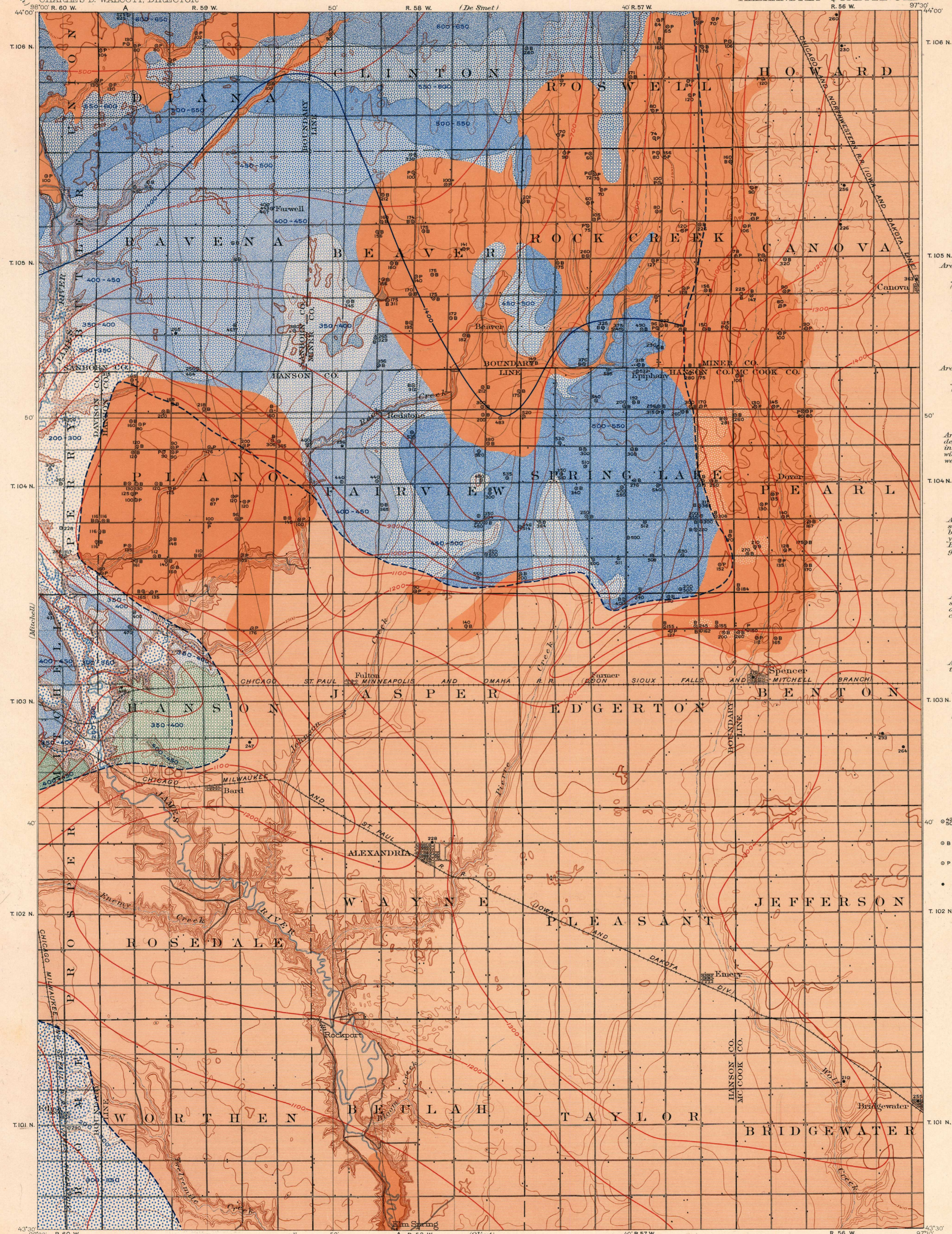
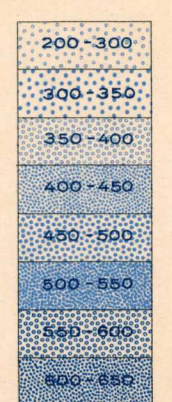


ARTESIAN WATER SHEET



LEGEND



Area of Dakota sandstone which will probably yield flowing wells (depth to top of Dakota sandstone indicated by pattern. Flowing water will be expected wherever 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 (contour lines show approximate altitudes above sea level to which the principal artesian flow may rise.)

Contours on surface of Sioux quartzite (lines show altitude above sea level and configuration of the surface of bed rock at well borings, the limit of probable boring.)

Flowing wells in Dakota sandstone, showing depths to principal flow.

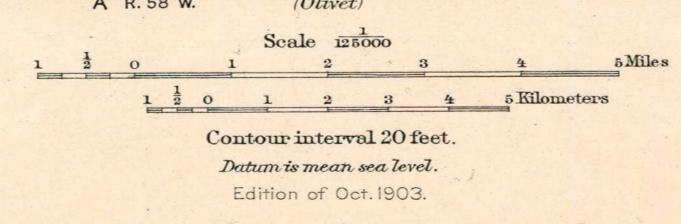
Flowing wells in Benton formation.

Flowing wells in Pleistocene deposits.

Non-flowing wells over 200 feet deep.

Section

Henry Gannett, Chief Topographer.
 Jno. H. Renshaw, Topographer in charge.
 Control by Geo. T. Hawkins.
 Topography by G. C. Harrison and H. S. Wallace.
 Surveyed in 1884-85.



Geology by J. E. Todd and C. M. Hall.
 Surveyed in 1899.