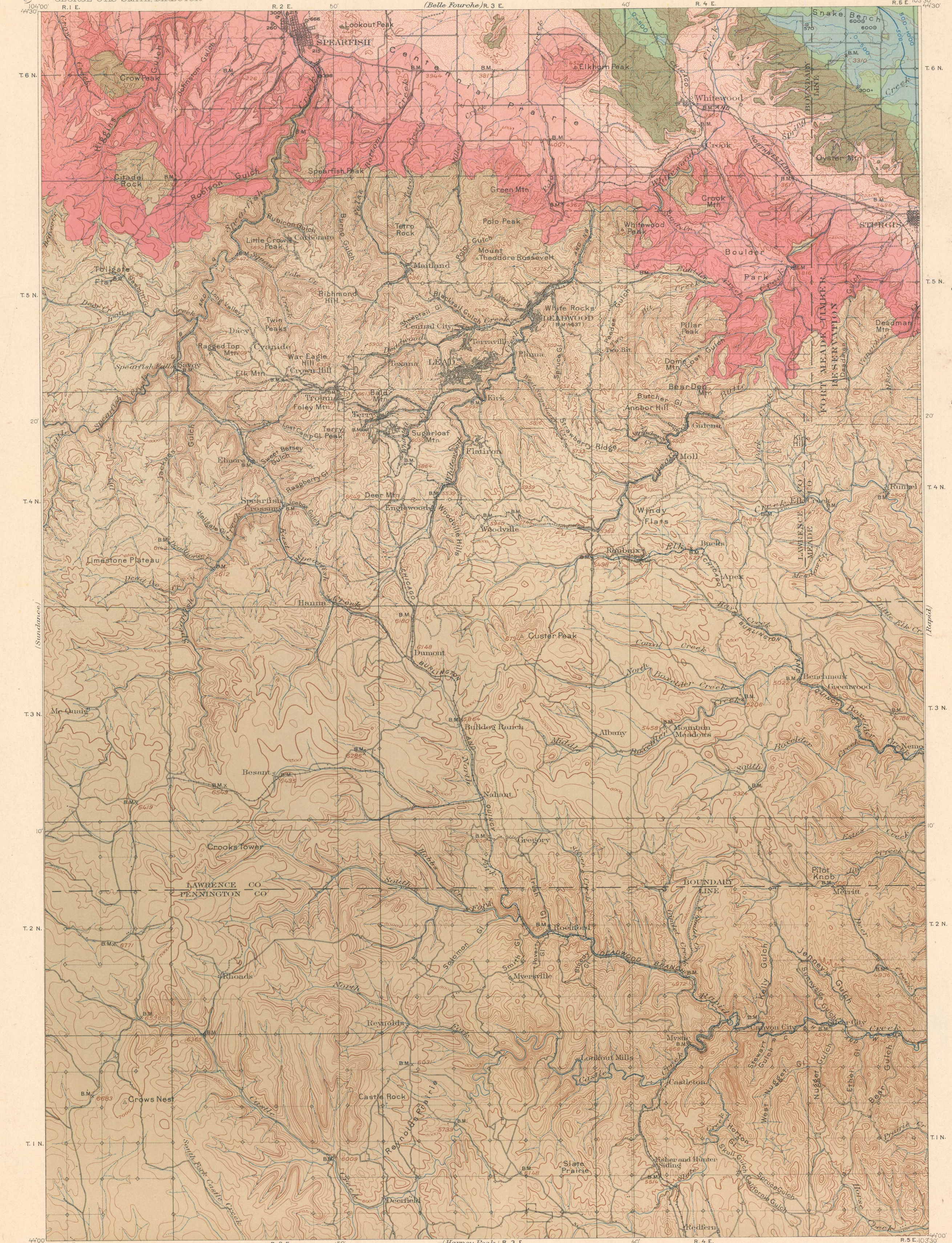


ARTESIAN WATER

SOUTH DAKOTA
DEADWOOD QUADRANGLE (Newell)
R. 5 E. 103 30
14430



EXPLANATION

Area of Dakota sandstone that will probably yield flowing wells
(Flowing water may be expected from 25 to 500 feet below the top of the formation)

Area of Dakota sandstone that will probably yield pumping wells

Depth to top of Dakota sandstone

Outcrop of Dakota and associated underlying sandstones
(Areas in which surface waters enter water-bearing strata in part covered by Tertiary and Quaternary deposits)

Outcrop of and depths to Minuteman sandstone
(Flowing water may probably be obtained to surface from the Minuteman sandstone at depths indicated. The artesian water enters the formation in the area of outcrop which is in part covered by Tertiary and Quaternary deposits)

Area probably not underlain by water-bearing formations
(The Deadwood formation, which underlies a considerable part of the area, is probably not here generally water-bearing)

Flowing Wells
Depth in feet to principal flow

104°00' R. 1 E.
E.M. Douglas, Geographer in charge
Triangulation by E.M. Douglas and Frank Tweedy.
Topography by W. H. Herron, A.F. Dunnington and Arthur Stiles.
Surveyed in 1897-98.
Partially revised in 1913 by R.W. Berry.

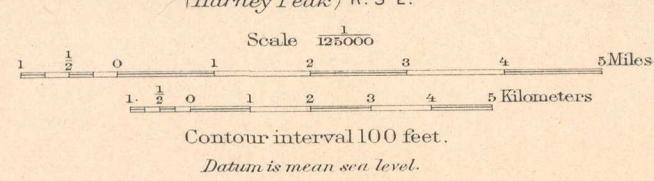
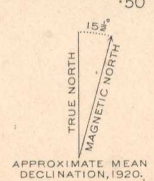


DIAGRAM OF TOWNSHIP
6 5 4 3 2 1
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35 36

Hydrology by N.H. Danton
Surveyed in 1900-1915.