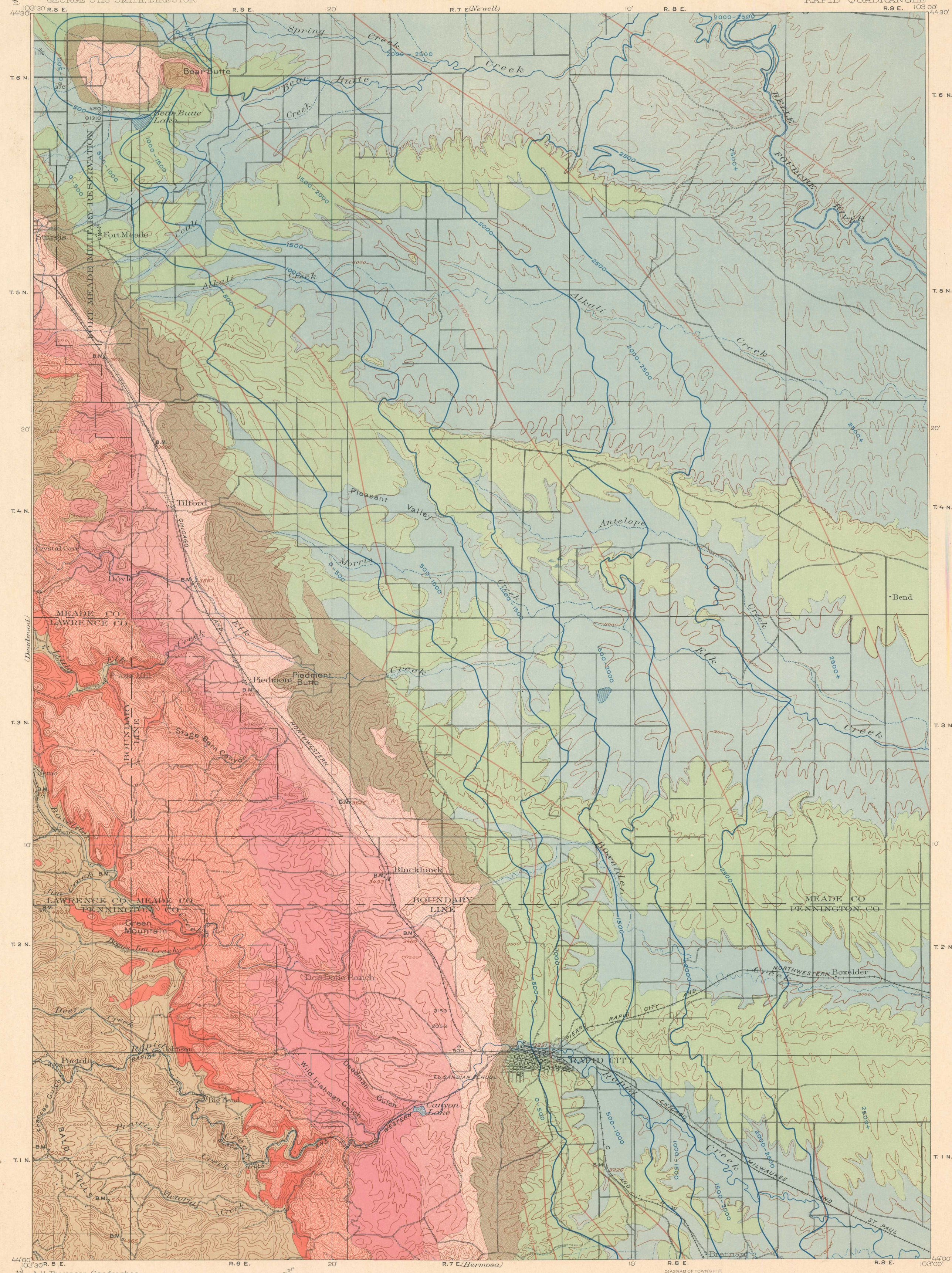


(Belle Fourche)

DEPARTMENT OF THE INTERIOR
ALBERT B. FALL, SECRETARY
U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

ARTESIAN WATER

SOUTH DAKOTA
RAPID QUADRANGLE



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
- Contour lines showing head or approximate altitude above sea level to which artesian water in Dakota sandstone may rise
- Outcrop of Dakota and associated underlying sandstones (area in which surface water and water-bearing strata in part covered by Tertiary and Quaternary deposits)
- Outcrop of and depths to Deadwood, Minnelusa sandstone, sandstone
- Flowing water may probably be obtained from the Minnelusa sandstone or the underlying Deadwood sandstone at depths indicated. The formations also underlie region to the east at gradually increasing depths. The artesian water within the respective formations in their area of outcrop which is in part covered by Tertiary and Quaternary deposits)
- Area not underlain by water-bearing formations
- Flowing Wells (Depth in feet to principal flow)

(Honey Peaks)

A. H. Thompson, Geographer
W. D. Johnson, Topographer in charge
Triangulation by E. M. Douglas
Topography by R. A. Farmer and W. J. Lloyd
Surveyed in 1891-98.



Scale 1:50,000
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers
Contour interval 100 feet
Datum is mean sea level.
Edition of Nov. 1922.

DIAGRAM OF TOWNSHIP

1	2	3	4	5	6	7	8	9	10	11	12
16	17	18	19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48	49	50	51

Hydrology by N. H. Darton and C. C. O'Hara.
Surveyed in 1900-1915.