



MAP OF
 A PART OF SOUTHEASTERN SOUTH DAKOTA
 COMPRISING PORTIONS OF BEADLE, KINGSBURY, MINER, SANBORN,
 JERARD, AURORA, DAVISON, HANSON, AND MCCOOK COUNTIES
 SHOWING ARTESIAN CONDITIONS
 BY J. E. TODD AND C. M. HALL
 Scale

Contour interval 20 feet
 1800

EXPLANATION

Depths to Dakota sandstone which yields artesian flows at various horizons

200-300	450-500	650-700	850-900	1050-1100
300-350	500-550	700-750	900-950	1100-1150
350-400	550-600	750-800	950-1000	1150-1200
400-450	600-650	800-850	1000-1050	1200-1250

Local flows of greater or less amount are often obtainable in sandstones of the Beaton formation from 50 to 250 feet above the top of the Dakota sandstone

Area in which Pleistocene deposits of Beaton sandstone yield artesian flows at less than 200 feet depth

No flowing waters obtainable

In areas in lower right-hand corner of map, enclosed with heavy black line, no Dakota sandstone occurs. The precise boundary is unknown.

1500 feet

Altitude lines of head of artesian waters in Dakota sandstone for every 100 feet. Figures in red give altitudes calculated from observed pressures.

- Flowing wells in Dakota sandstone, with depth to principal flows
- × Wells over 200 feet deep not flowing, with depths of water stratum
- Flowing wells from Pleistocene deposits
- Flowing wells of unknown depth or origin
- Flowing wells from sandstones in Beaton formation