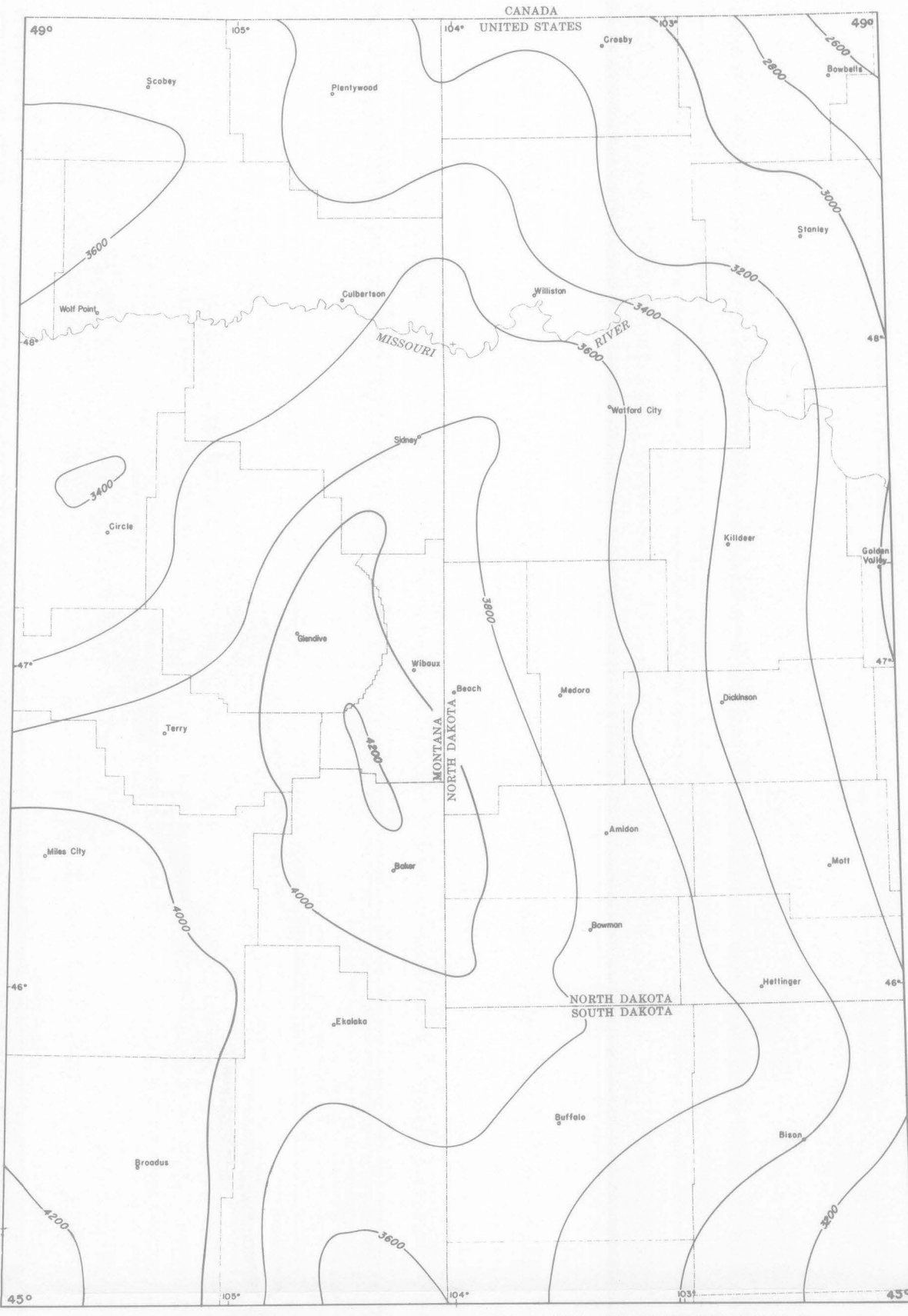


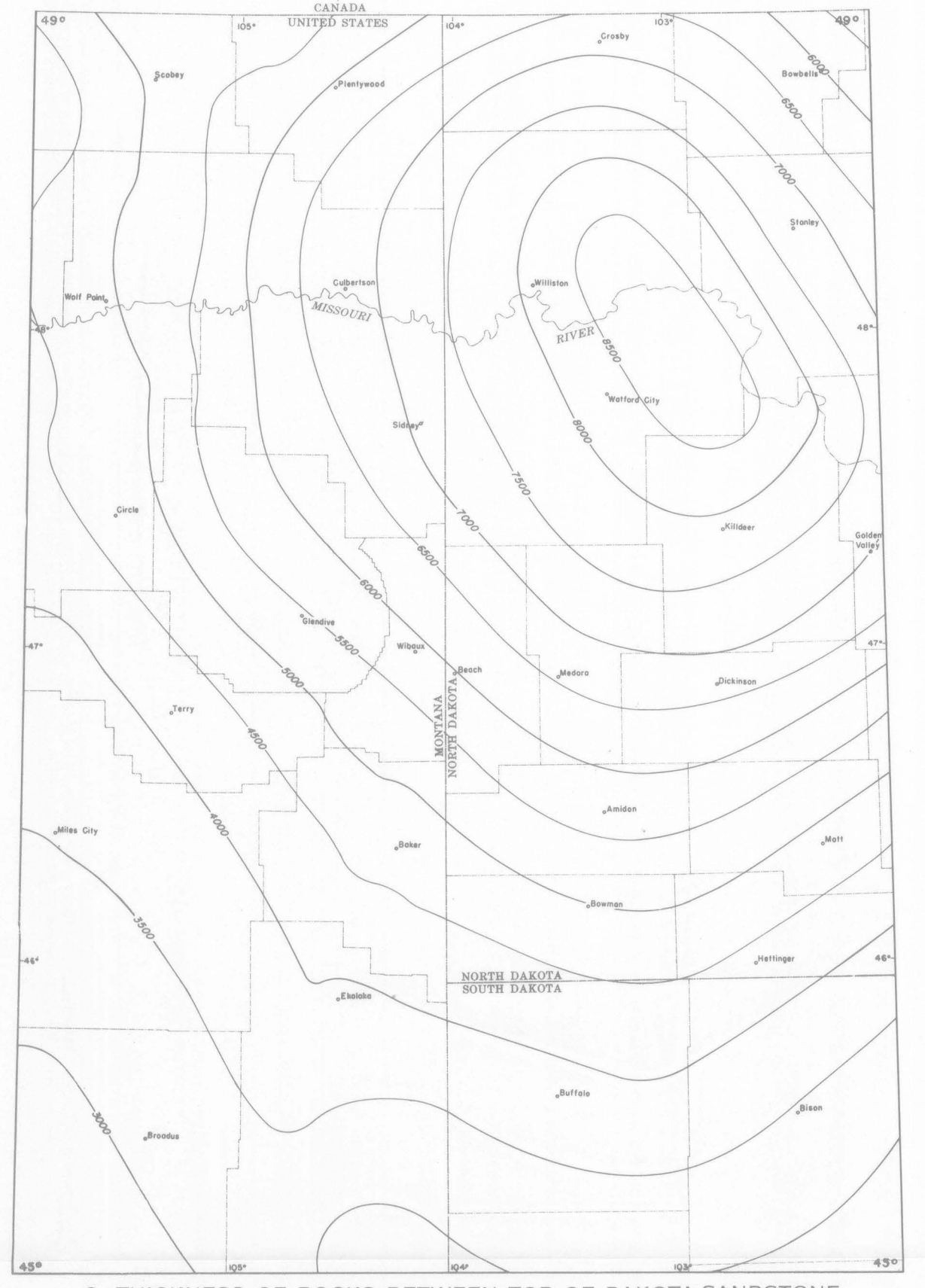
A. THICKNESS OF ROCKS BETWEEN PRESENT-DAY EROSION SURFACE AND TOP OF PIERRE SHALE

CONTOUR INTERVAL 500 FEET



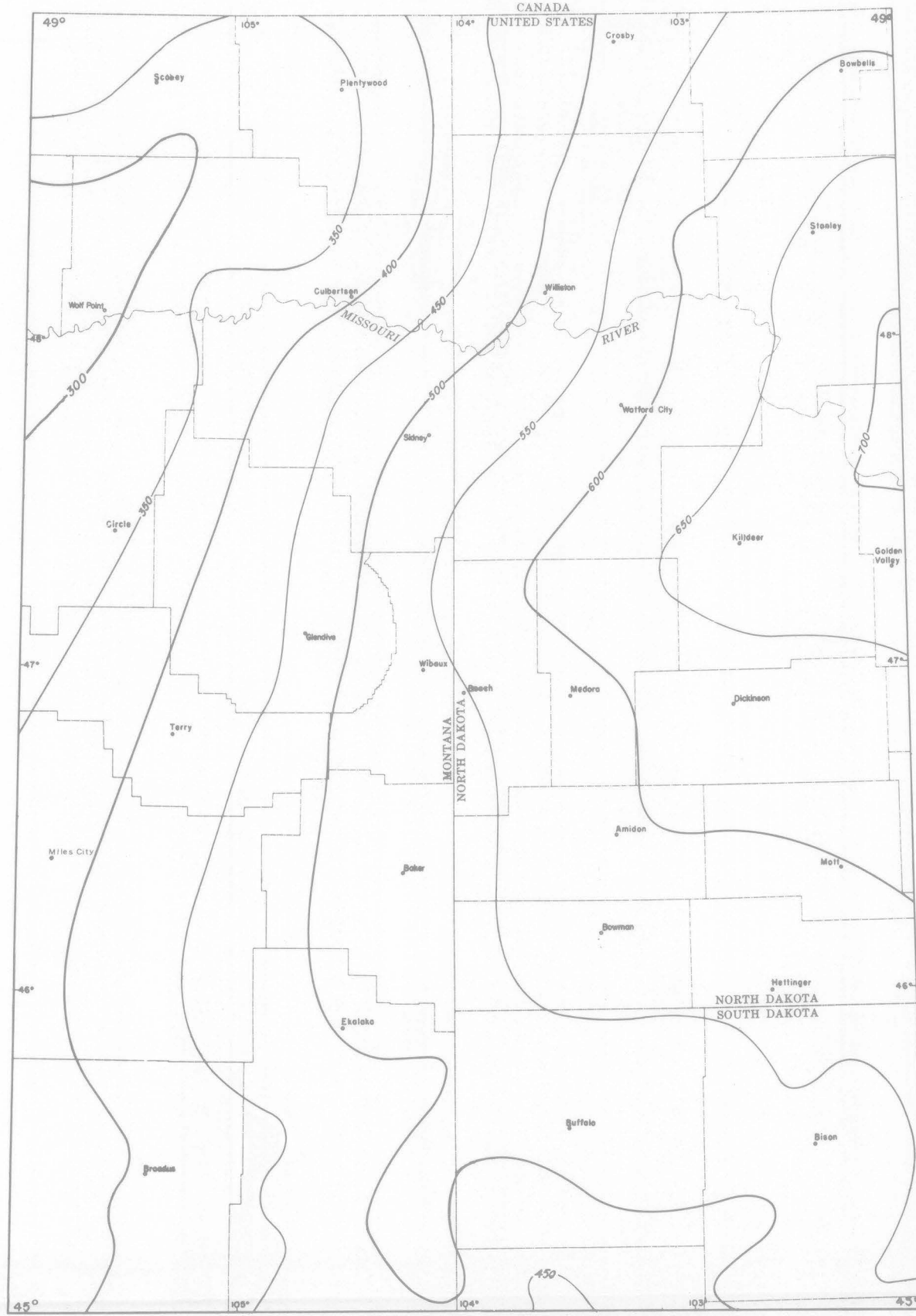
B. THICKNESS OF ROCKS BETWEEN TOP OF PIERRE SHALE AND TOP OF DAKOTA SANDSTONE

CONTOUR INTERVAL 200 FEET



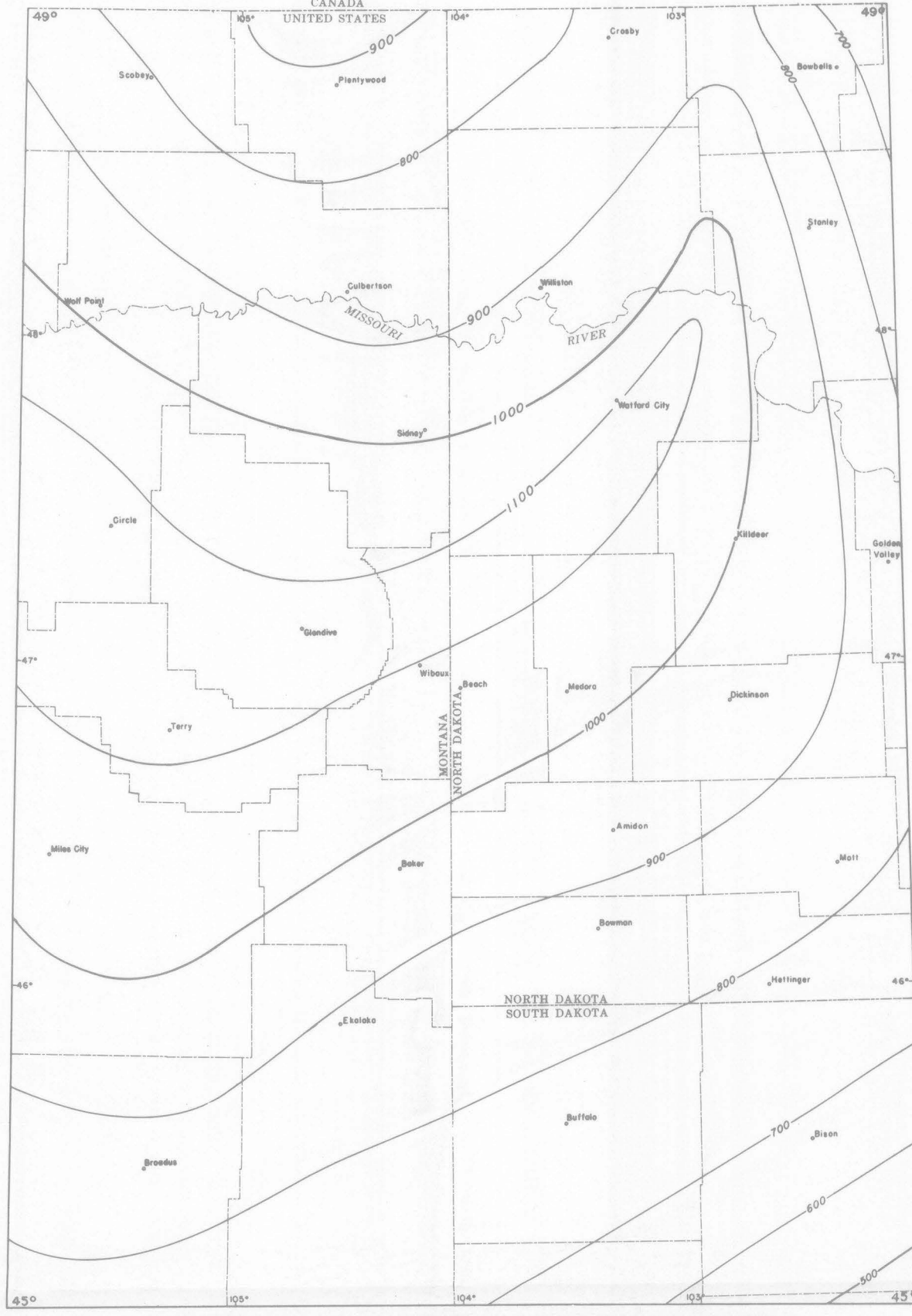
C. THICKNESS OF ROCKS BETWEEN TOP OF DAKOTA SANDSTONE AND TOP OF RED RIVER FORMATION

CONTOUR INTERVAL 500 FEET



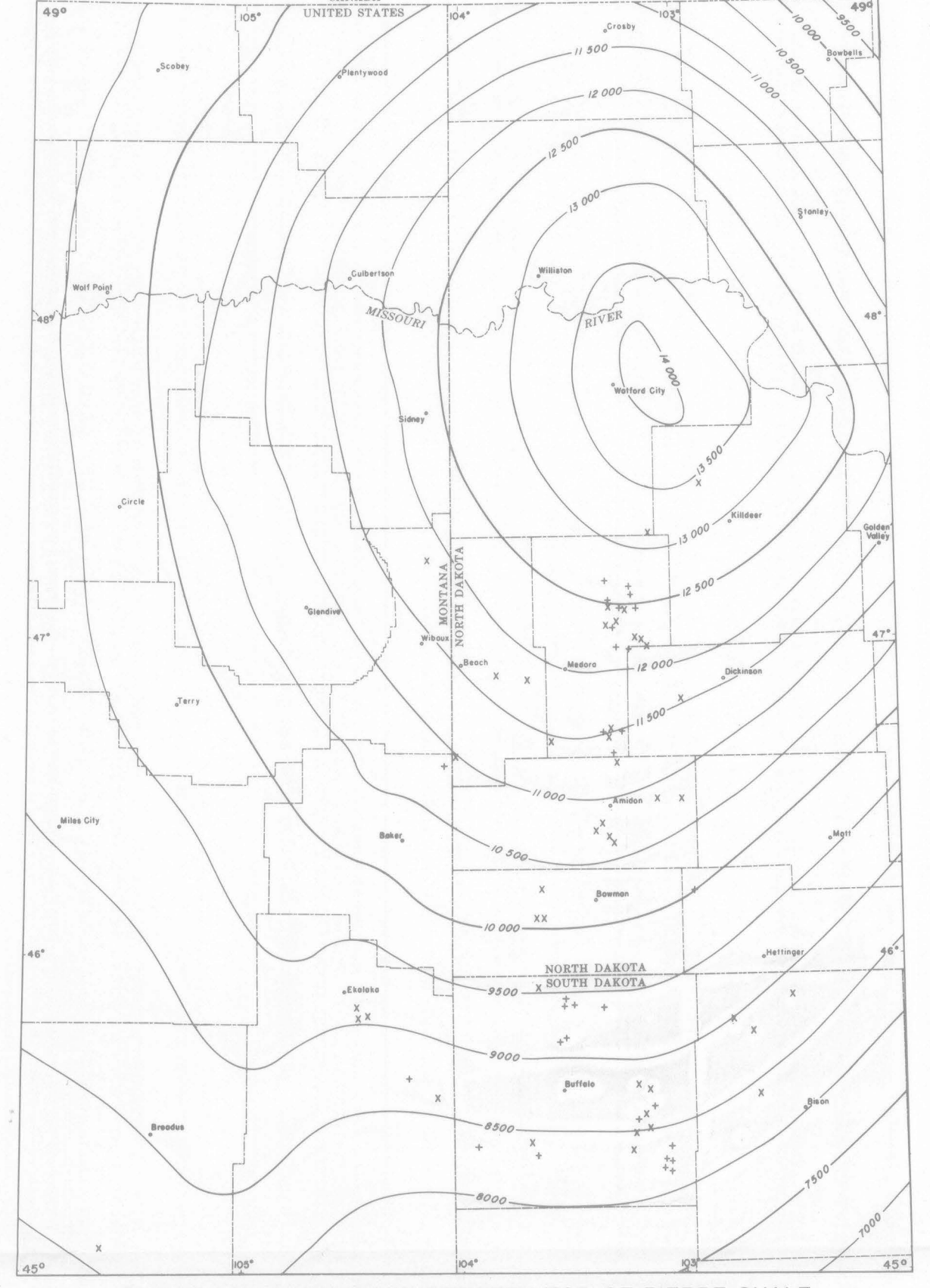
D. THICKNESS OF RED RIVER FORMATION

CONTOUR INTERVAL 50 FEET



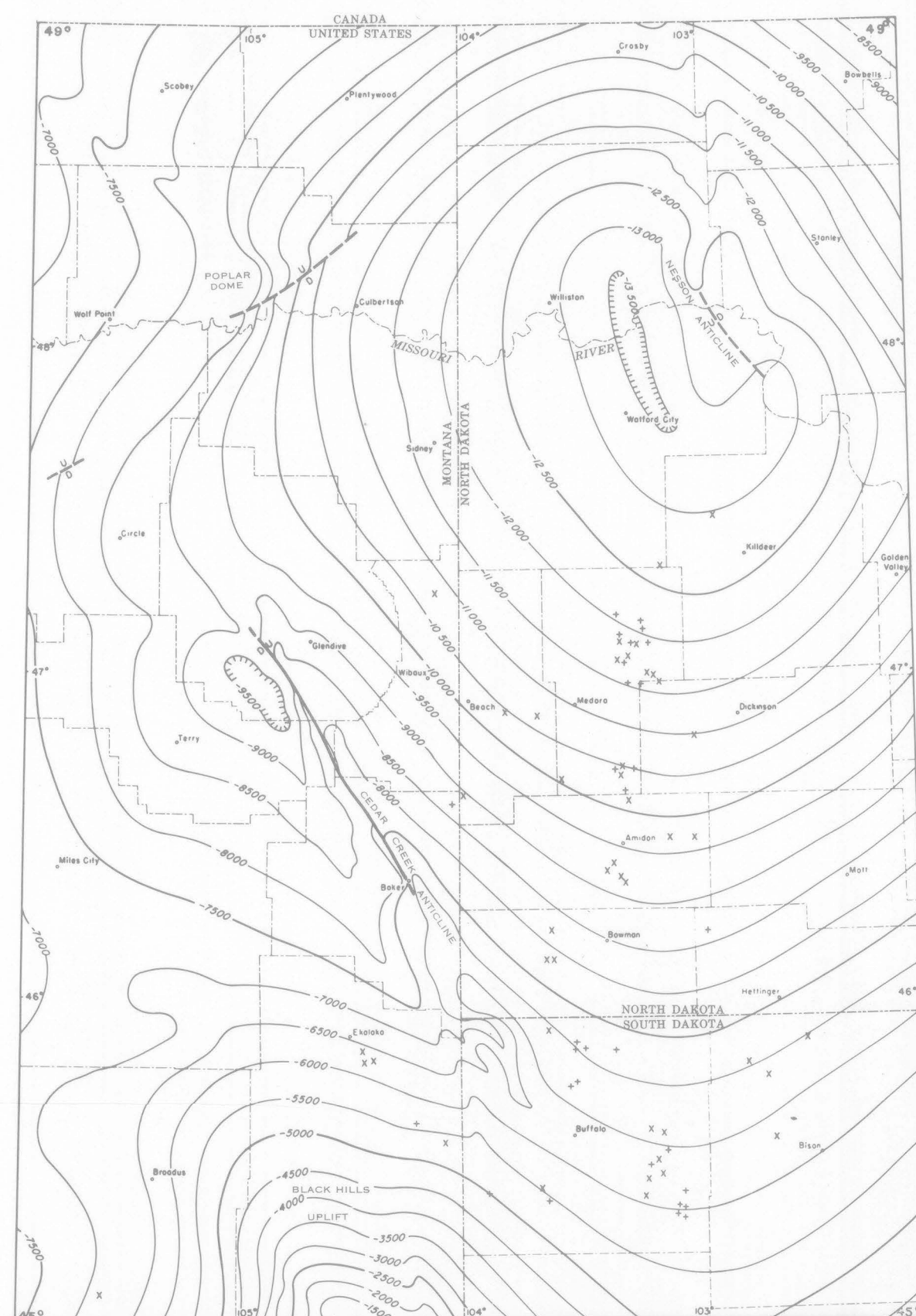
E. THICKNESS OF ROCKS BETWEEN TOP OF WINNIPEG FORMATION AND TOP OF PRECAMBRIAN

CONTOUR INTERVAL 100 FEET



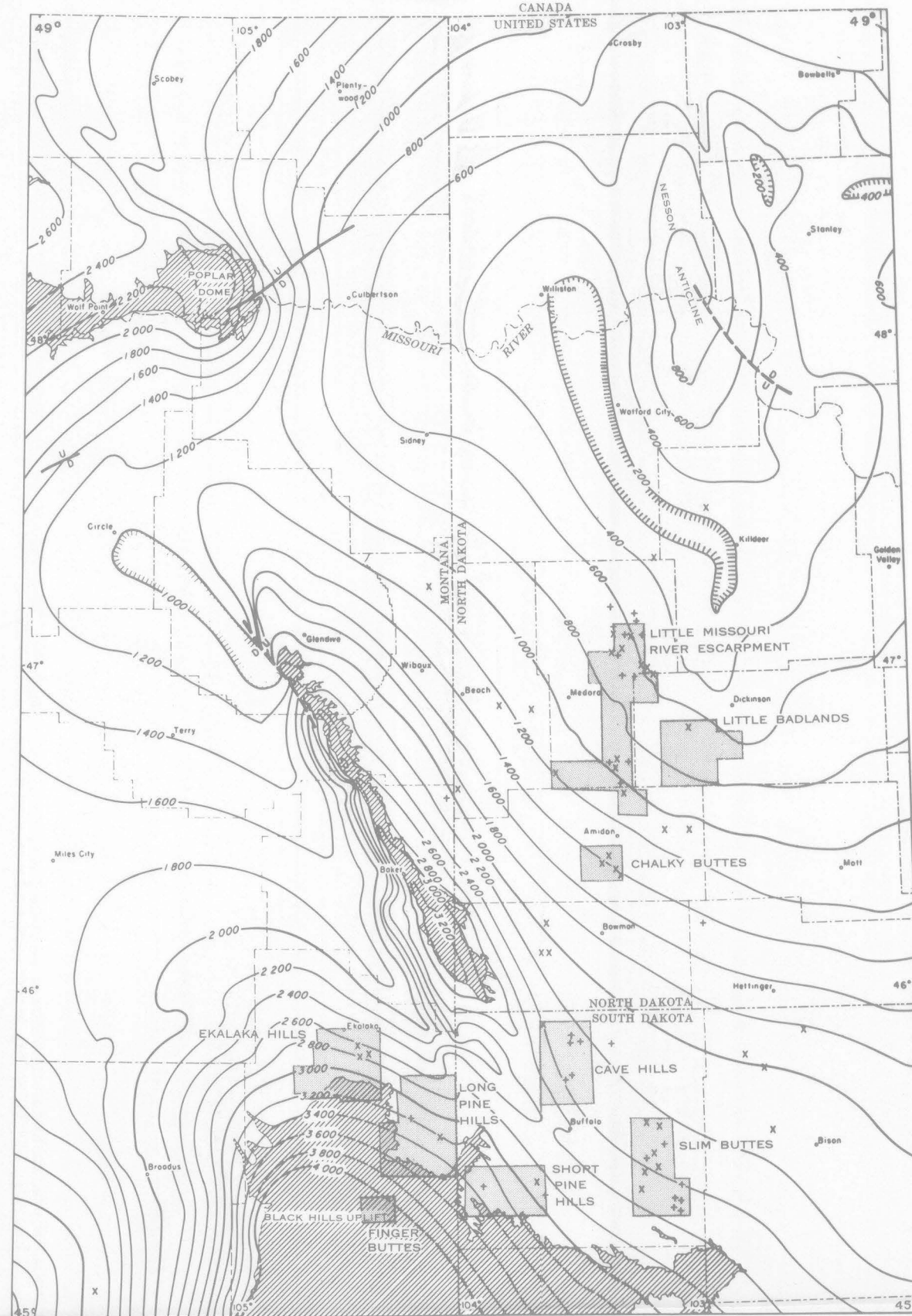
F. THICKNESS OF ROCKS BETWEEN TOP OF PIERRE SHALE AND TOP OF PRECAMBRIAN

CONTOUR INTERVAL 500 FEET



G. MAP SHOWING STRUCTURE CONTOURS ON TOP OF PRECAMBRIAN ROCKS AND DISTRIBUTION OF SURFACE OCCURRENCES OF URANIUM-BEARING LIGNITE AND CARBONACEOUS SHALE

CONTOUR INTERVAL 500 FEET

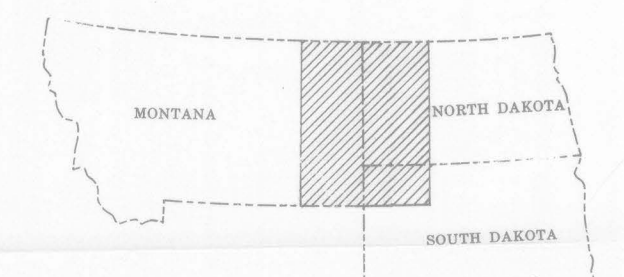


H. MAP SHOWING STRUCTURE CONTOURS ON TOP OF PIERRE SHALE (SOUTH) AND BEARPAW SHALE (NORTH) AND DISTRIBUTION OF SURFACE OCCURRENCES OF URANIUM-BEARING LIGNITE AND CARBONACEOUS SHALE

CONTOUR INTERVAL 200 FEET

- EXPLANATION**
- Rocks younger than Pierre Shale or Bearpaw Shale
 - Pierre Shale (south) and Bearpaw Shale (northwest) Colorado Group and Mowry Shale (Lower Cretaceous) undifferentiated from Pierre Shale in Carter County, Montana
 - Fault
Dashed where inferred. U, upthrown side; D, downthrown side
 - Uranium-bearing lignite and carbonaceous shale containing 0.10 percent or more uranium
 - Uranium-bearing lignite and carbonaceous shale containing less than 0.10 percent uranium
 - FINGER BUTTES
 - Areas of detailed investigations

Source of data
Reports and maps issued by State and Federal Geological Surveys and electric, radioactivity, and lithologic logs released by commercial companies prior to about March 1958. Location of wells shown on plate 1. Data on uranium occurrences from author's maps and fieldwork



LOCATION OF AREA