



Scale
10 20 30 Miles
"Data in Black Hills modified from Darton and Paige, 1926"
Nebraska wells from 1957 Precambrian map by Reed and Svoboda
Minnesota wells from Minnesota Geological Survey Bulletins 22 and 31
Compiled and drafted by Fred V. Steece

PRELIMINARY MAP
OF THE
PRECAMBRIAN SURFACE OF SOUTH DAKOTA
by
FRED V. STEECE
1961

- Basement rock outside outcrop areas is Sioux Formation unless otherwise designated (* = rock type unknown)
- 1425 = Elevation of Precambrian surface
- Oil test
- Water well
- ⊙ Stratigraphic test (G = U.S.G.S.; S = S.D.G.S.)
- ⊖ Purpose of test unknown
- X Elevation of Precambrian outcrop
- 7 U Inferred fault (D = downthrown side, U = upthrown side)
- Area of Precambrian outcrop and sub-glacial drift outcrop
- - - 1000 Contour line showing elevation of Precambrian surface Interval = 100 feet except below -2000 and near Black Hills