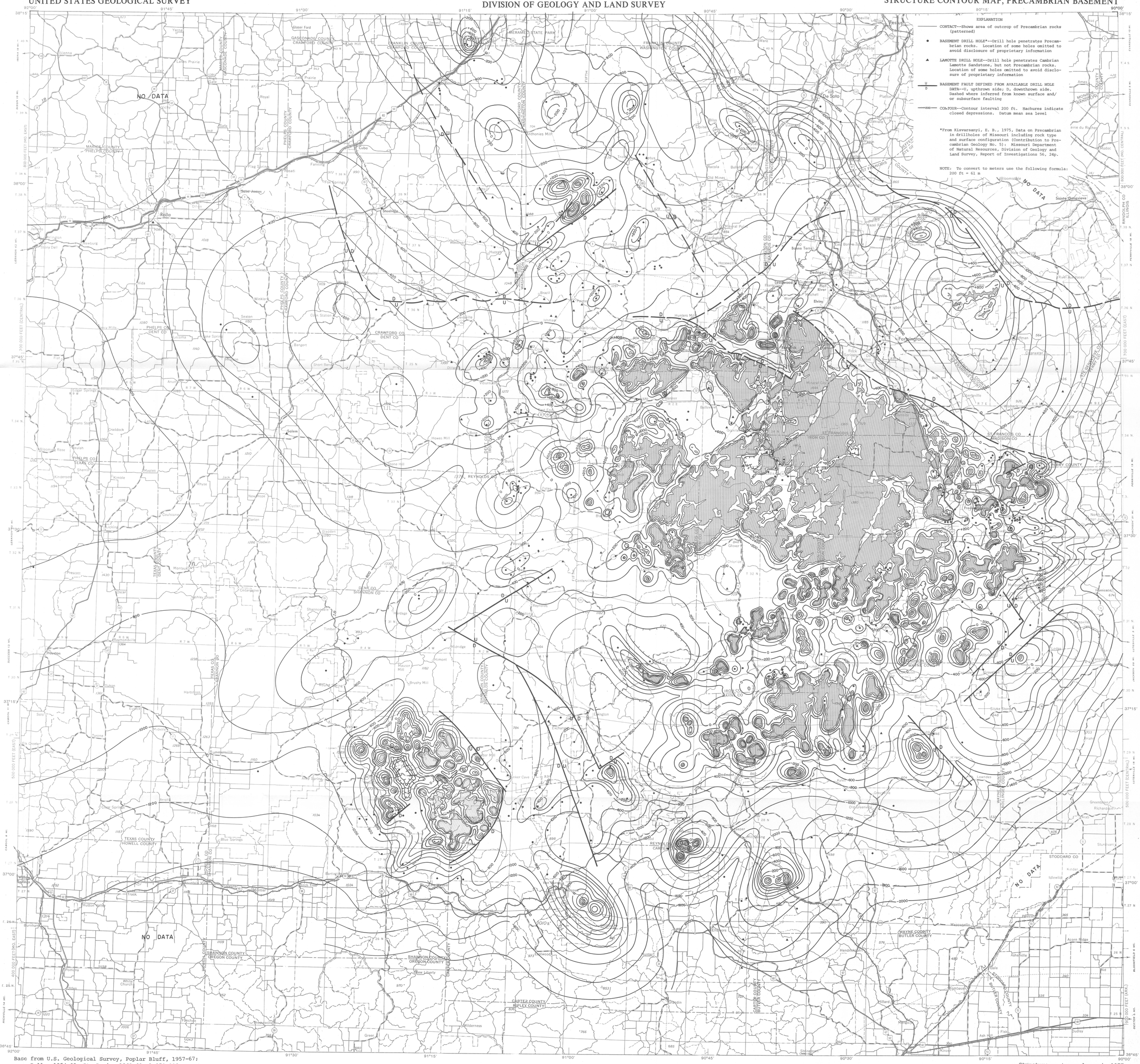
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY

MISCELLANEOUS FIELD STUDIES
MAP MF-1001 B
FOLIO OF THE ROLLA 1° X 2° QUAD., MO.
STRUCTURE CONTOUR MAP, PRECAMBRIAN BASEMENT


EXPLANATION
CONTACT--Shows area of outcrop of Precambrian rocks (patterned)
BASEMENT DRILL HOLE*--Drill hole penetrates Precambrian rocks. Location of some holes omitted to avoid disclosure of proprietary information
LAMOTTE DRILL HOLE--Drill hole penetrates Cambrian Lamotte Sandstone, but not Precambrian rocks. Location of some holes omitted to avoid disclosure of proprietary information
U D BASEMENT FAULT DEFINED FROM AVAILABLE DRILL HOLE DATA--U, upthrown side; D, downthrown side. Dashed where inferred from known surface and/or subsurface faulting
200 CONTOUR--Contour interval 200 ft. Hachures indicate closed depressions. Datum mean sea level
*From Kisvarsanyi, E. B., 1975, Data on Precambrian in drillholes of Missouri including rock type and surface configuration (Contribution to Precambrian Geology No. 5): Missouri Department of Natural Resources, Division of Geology and Land Survey, Report of Investigations 56, 24p.
NOTE: To convert to meters use the following formula: 200 ft = 61 m
NO DATA
Rolla
Salem
Farmington
Fredericktown
Ironton
Potosi
Steelville
Cuba
Houston
Willow Springs
Sainte Genevieve
Bloomsdale
De Soto
Festus
Arcadia
Ellington
Piedmont
Doniphan
Poplar Bluff
Van Buren
Eminence
Salem
Greenville
Jackson
Cape Girardeau
Perryville
Bonne Terre
Desloge
Leadwood
Flat River
Elvins
Mineral Point
Potosi
Steelville
Cuba
Rolla
Saint James
Waynesville
Lebanon
Licking
Houston
Willow Springs
Van Buren
Eminence
Ellington
Piedmont
Doniphan
Poplar Bluff
Greenville
Jackson
Cape Girardeau
Perryville
Farmington
Fredericktown
Ironton