

EXPLANATION

Flaxville Formation

Arkaree Formation and White River Group

Golden Valley, Fort Union, Hall Creek Formations; Fox Hills Sandstone

Pierre Shale (south); Bearpaw Shale, Judith River, and Claggett Formations (northwest); Colorado Group and Mowry Shale (Lower Cretaceous) undifferentiated from Pierre Shale in Carter County, Montana

Approximate southern edge of glacial deposits After Colton, Leake, and Lindvall, (1961 and 1963)

Fault

Structure contour

Dry hole

Dry hole with show of oil

Dry hole with show of gas

Dry hole with show of oil and gas

Oil well

Oil field

Named where field includes well shown on plates 6 and 7

Selected well data as of about March 1958. Producing gas wells in the Williston Basin are located at shallow depths (500-900 feet) and are not shown. Well numbers refer to selected dry holes and producing wells listed in table 8 of Denison and Gill (1965b)

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

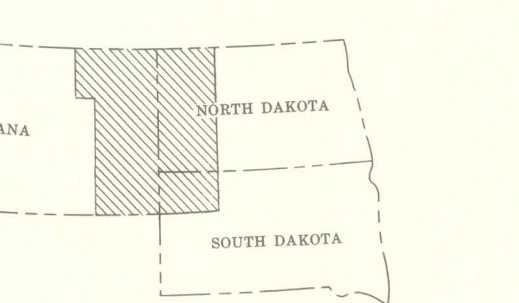
Altitude of uranium-bearing lignite and carbonaceous shale

AEC 500-ton bulk sample

Finger buttes

Name and altitude of major topographic feature

Sections show on plate 2



Base and topography from U.S. Army Map Service

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. 20515
Reconnaissance mapping of the Flaxville Formation and detailed mapping of Arkaree Formation and the White River Group by N. M. Denison and J. R. Gill, 1950-56. Other areas from State Geologic Maps of Montana (Ross, Andrews, and Wilkins, 1956), North Dakota (Benson, 1951), and South Dakota (Peterson, 1953a)

GENERALIZED GEOLOGIC MAP OF THE SOUTHWESTERN PART OF THE WILLISTON BASIN, MONTANA, NORTH AND SOUTH DAKOTA, SHOWING LOCATION OF URANIUM-BEARING DEPOSITS OF LIGNITE AND CARBONACEOUS SHALE AND SELECTED WELLS DRILLED FOR OIL AND GAS

