

**OPEN-FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

OPEN-FILE REPORT 78-652

PLATE 10 OF 64

**EXPLANATION**

— 3500 —  
— 3520 —

STRUCTURE CONTOURS—Drawn on top of the coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.

○ 3550

DRILL HOLE—Showing altitude of the top of the coal bed, in feet.

3640  
↑ B ↑

BOUNDARY OF RESERVE BASE  
COAL—Drawn along the outcrop of the coal bed, the contact between burned and unburned coal, and the fault boundary of the coal where the coal bed is 5 feet (1.5 m) or more thick; and the 5-foot (1.5 m) coal isopach. Arrows point toward area of Reserve Base coal. Number is altitude, in feet, of top of coal bed at triangle.

U  
D

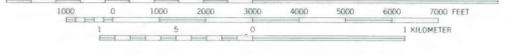
FAULT—U, upthrown side; D, downthrown side. Where fault is boundary of coal, arrow points towards coal-bearing area.

To convert feet to meters, multiply by 0.3.

Base from U.S. Geological Survey, 1967

SCALE 1:24,000

Computed in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS  
OF THE PINE BUTTE SCHOOL QUADRANGLE, BIG HORN COUNTY, MONTANA**

By  
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PLATE 10  
STRUCTURE CONTOUR MAP  
OF THE SMITH COAL BED