

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

**OPEN FILE REPORT 78-654**  
**PLATE 11 OF 44**

**EXPLANATION**

**OVERBURDEN ISOPACHS**--Showing thickness of overburden in feet from surface to top of coal bed. Isopach interval 200 feet.

**MINING RATIO CONTOUR**--Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only within the stripping limit.

**STRIPPING-LIMIT LINE**--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining.

**FAULT**--U, upthrown side; D, downthrown side.

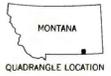
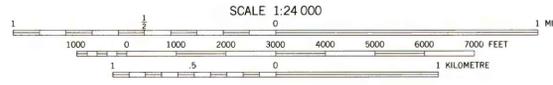
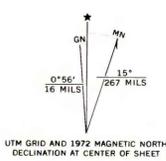
**DRILL HOLE**--Showing thickness in feet of overburden from surface to top of coal bed.

**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. Arrows point toward area of Reserve Base coal.

To convert feet to meters, multiply by 0.3. To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.

Base from U.S. Geological Survey, 1972

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE QUIETUS QUADRANGLE, BIG HORN AND POWDER RIVER COUNTIES, MONTANA**

By  
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1978

**PLATE 11**  
**OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE ANDERSON COAL BED**