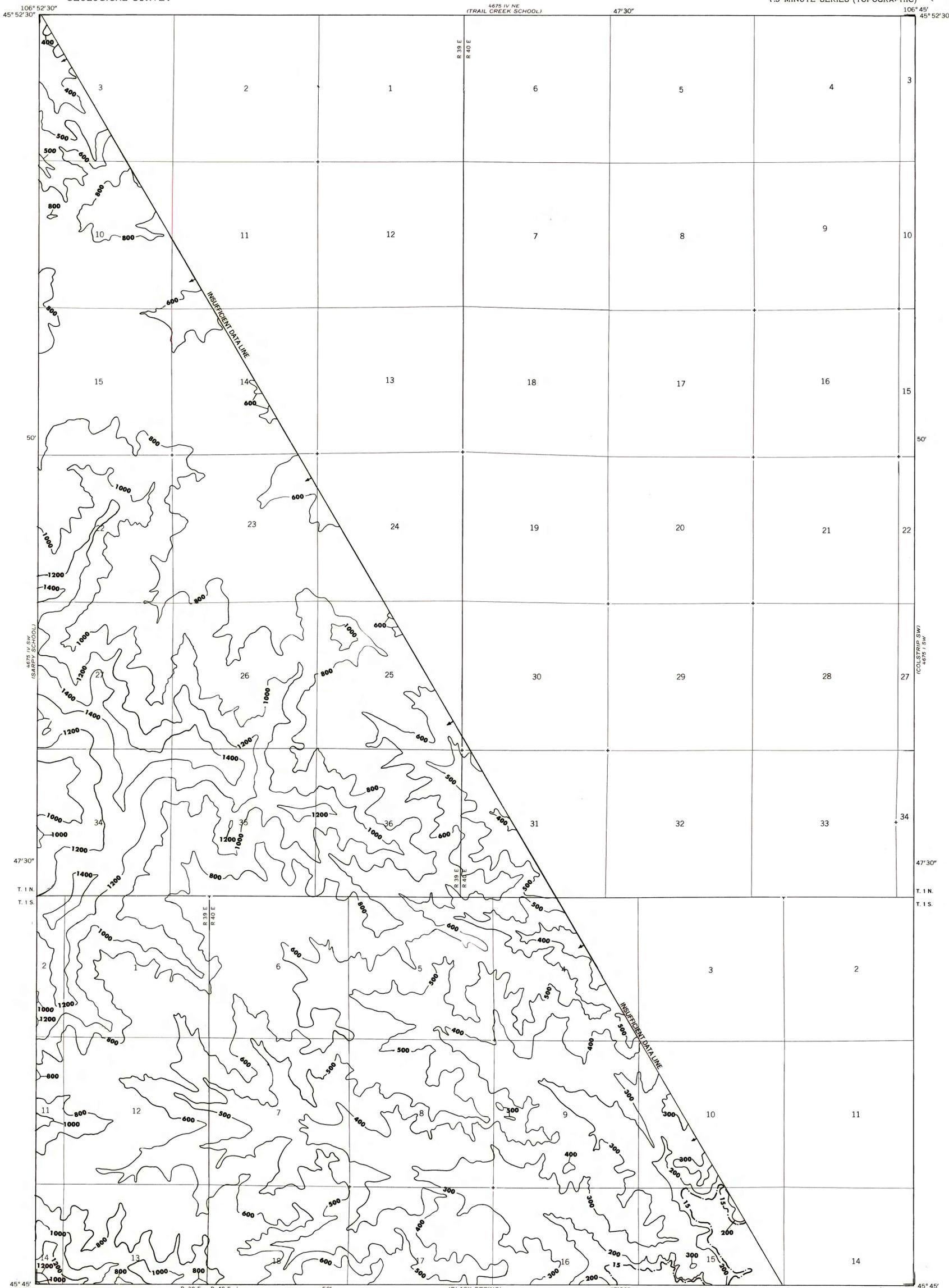


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.



EXPLANATION

**800**  
OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 100 feet (30.5 m) for overburden thickness 500 feet (152.5 m) or less; 200 feet (61 m) for overburden thickness greater than 600 feet.

**B**  
BOUNDARY OF COAL 5 FEET OR MORE THICK—  
Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach, and/or the split line of the coal bed. Arrows point toward area of coal 5 feet or more thick.

**15**  
MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

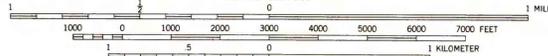
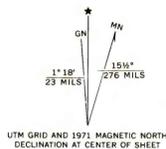
To convert feet to meters, multiply feet by 0.3048.

To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 0.842.

Base map from U.S. Geological Survey, 1971

(BLACK SPRING)  
4675 1/4 NE  
SCALE 1:24,000

Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE ROUGH DRAW  
QUADRANGLE, ROSEBUD COUNTY, MONTANA**

**BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979**