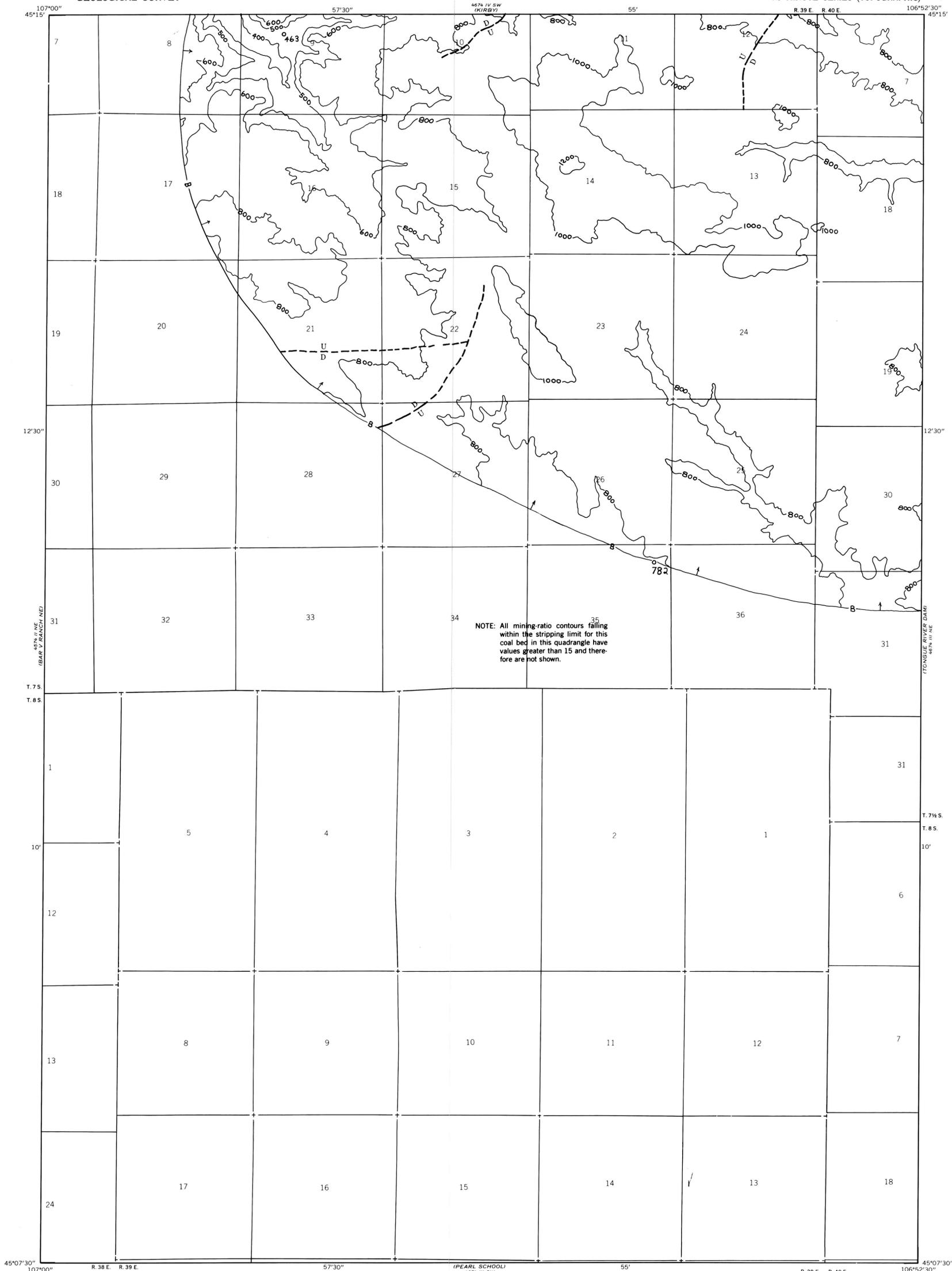


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

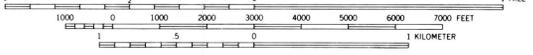


EXPLANATION

- OVERBURDEN ISOPACH**—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach.
  - 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. Arrows point toward area of coal 5 feet or more thick.
  - DRILL HOLE**—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.
  - FAULT**—Dashed where approximately located. U, up-thrown side; D, downthrown side.
- To convert feet to meters, multiply feet by 0.3048.
- To convert yds/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 0.842.

NOTE: All mining-ratio contours falling within the stripping limit for this coal bed in this quadrangle have values greater than 15 and therefore are not shown.

Base map from U.S. Geological Survey, 1967. SCALE 1:24,000. Compiled in 1977.



**COAL RESOURCE OCCURRENCE MAP OF THE HALF MOON HILL QUADRANGLE,  
BIG HORN COUNTY, MONTANA**

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

PLATE 31  
OVERBURDEN ISOPACH AND MINING-RATIO  
MAP OF THE BREWSTER-ARNOLD COAL BED