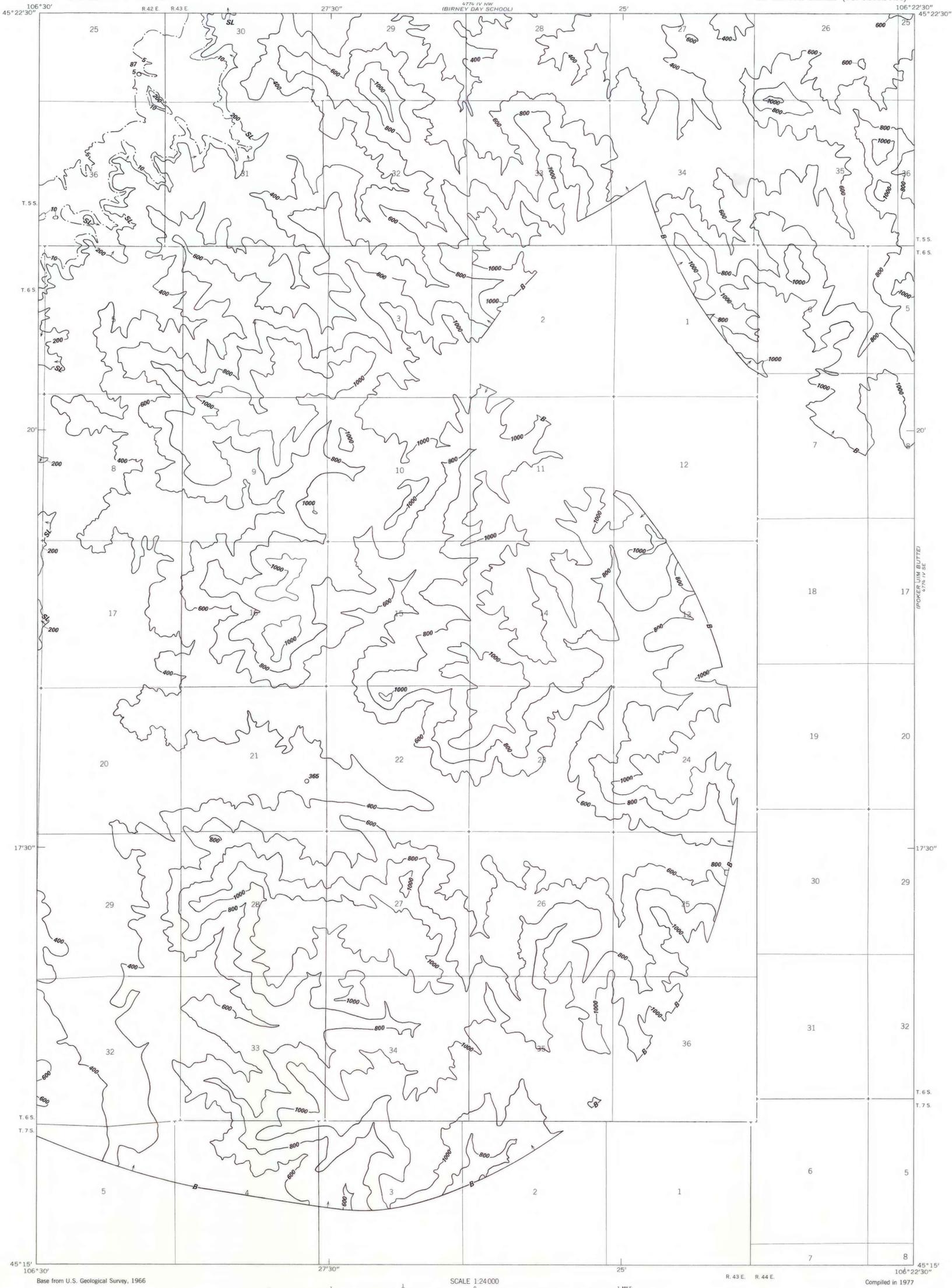


5776 IV NW
(BIRNEY DAY SCHOOL)



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

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PLATE 51 OF 69

EXPLANATION

OVERBURDEN ISOPACHS—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m). Isopachs not shown for overburden thicker than 1,000 feet (305 m).

BOUNDARY OF RESERVE BASE COAL—Drawn along the 5-foot (1.5 m) coal isopach, the 1,000-foot overburden isopach, and an arc 3 miles (4.8 km) from nearest complete measurement of coal bed. Arrows point toward area of Reserve Base coal.

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas 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.

DRILL HOLE—Upper number is thickness of overburden, in feet, from surface to top of the coal bed. Lower number is the mining ratio where overburden is less than 200 feet (61 m).

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.

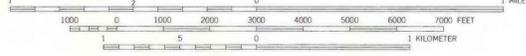
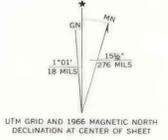
To convert feet to meters, multiply feet by 0.3.

Base from U.S. Geological Survey, 1966

SCALE 1:24,000

R. 43 E. R. 44 E.

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE
BROWNS MOUNTAIN QUADRANGLE, ROSEBUD COUNTY, MONTANA**

BY
W. J. MAPEL AND B. K. MARTIN
1978

PLATE 51
**OVERBURDEN ISOPACH AND
MINING-RATIO MAP OF
THE KNOBLOCH COAL BED**