

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

OPEN FILE REPORT 78-651

PLATE 36 OF 64

EXPLANATION

400
OVERBURDEN ISOPACHS--Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m). Not shown where overburden thickness greater than 1,000 feet (305 m).

B
BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of coal bed or the contact between burned and unburned coal, the 5-foot (1.5-m) coal isopach, and an arc 3 miles (4.8 km) from nearest complete measurement of coal bed. Arrows point toward area of Reserve Base coal.

SL
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.

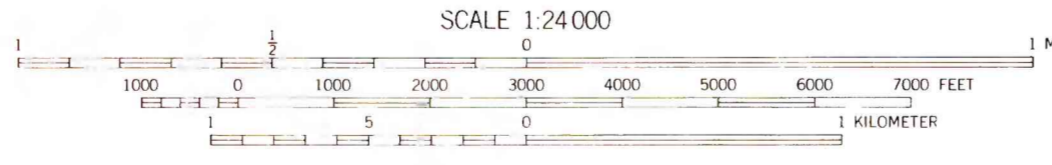
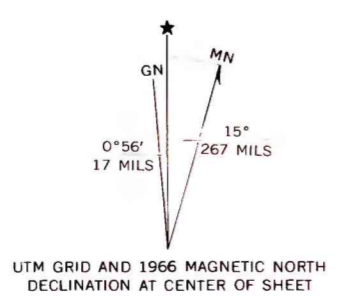
15
MINING RATIO CONTOUR--Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas within the stripping limit.

883
DRILL HOLE--Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

To convert feet to meters, multiply feet by 0.3.

Base from U.S. Geological Survey, 1966

Compiled in 1977



**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE
POKER JIM BUTTE QUADRANGLE, ROSEBUD AND POWDER RIVER COUNTIES, MONTANA**

BY
W. J. MAPEL, B. K. MARTIN, AND B. A. BUTLER
1978

PLATE 36
OVERBURDEN ISOPACH AND
MINING RATIO MAP OF THE
WALL COAL BED AND ISOPACH OF
OVERBURDEN MAP OF THE
BREWSTER-ARNOLD COAL BED