

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

EXPLANATION

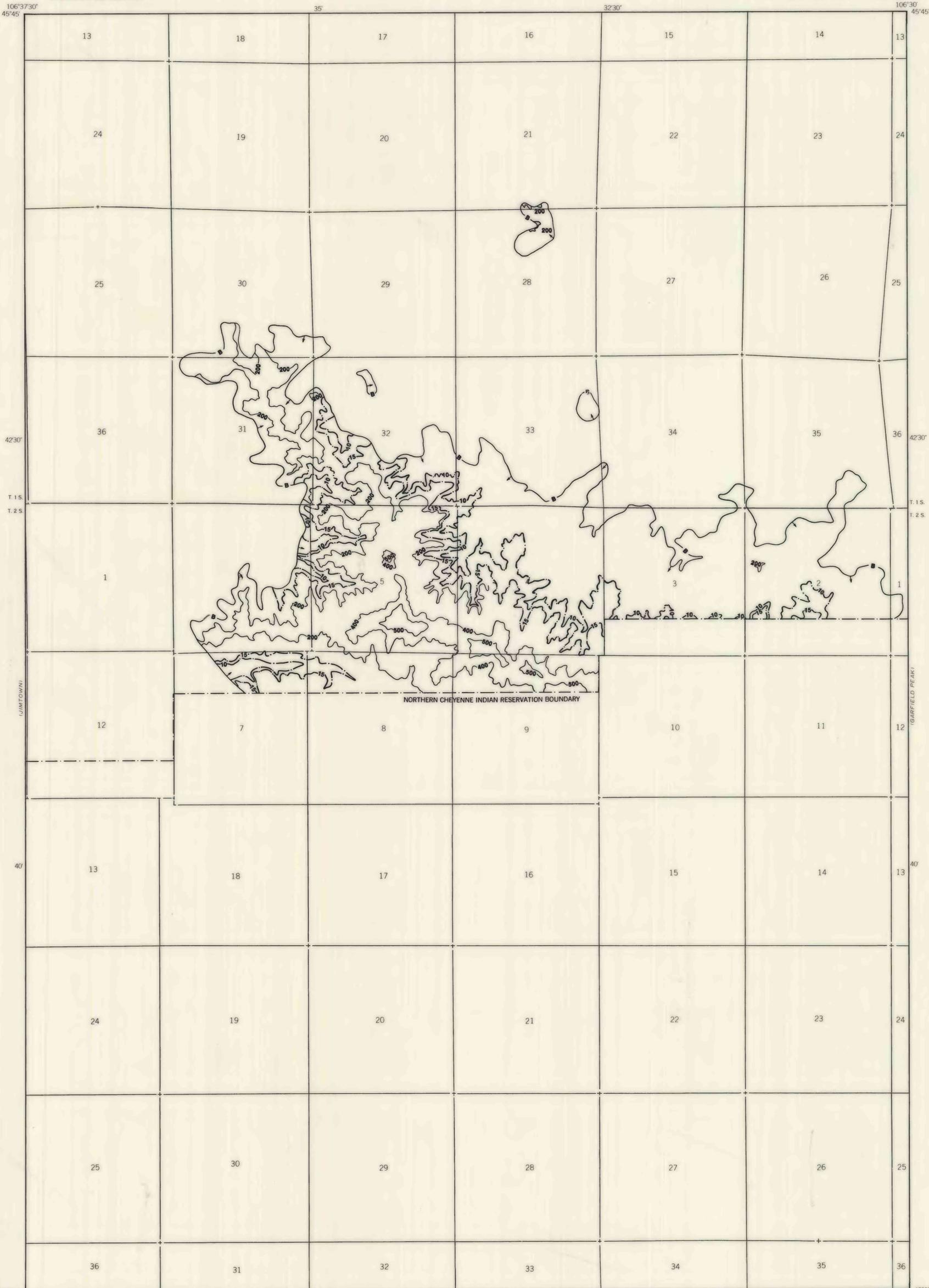
OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. The 100-foot isopach is omitted where it is too close to a mining-ratio contour for map readability. Isopach interval 200 feet (61 m) with an intermediate 500-foot contour.

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 isopach. Arrows point toward area of coal 5 feet or more thick.

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.

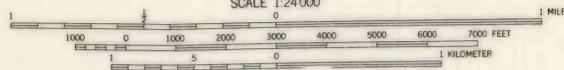
To convert yds³/ton to m³/metric ton, multiply yds³/ton by 0.842.



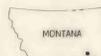
NORTHERN CHEYENNE INDIAN RESERVATION BOUNDARY

(FISHER BUTTE)

SCALE 1:24000



APPROXIMATE MEAN DECLINATION, 1958



QUADRANGLE LOCATION

Base map from U.S. Geological Survey, 1958

Compiled in 1976

**COAL RESOURCE OCCURRENCE MAP OF THE BADGER PEAK
QUADRANGLE, ROSEBUD COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979**

**PLATE 5
OVERBURDEN ISOPACH AND MINING-RATIO
MAP OF THE SAWYER COAL BED**