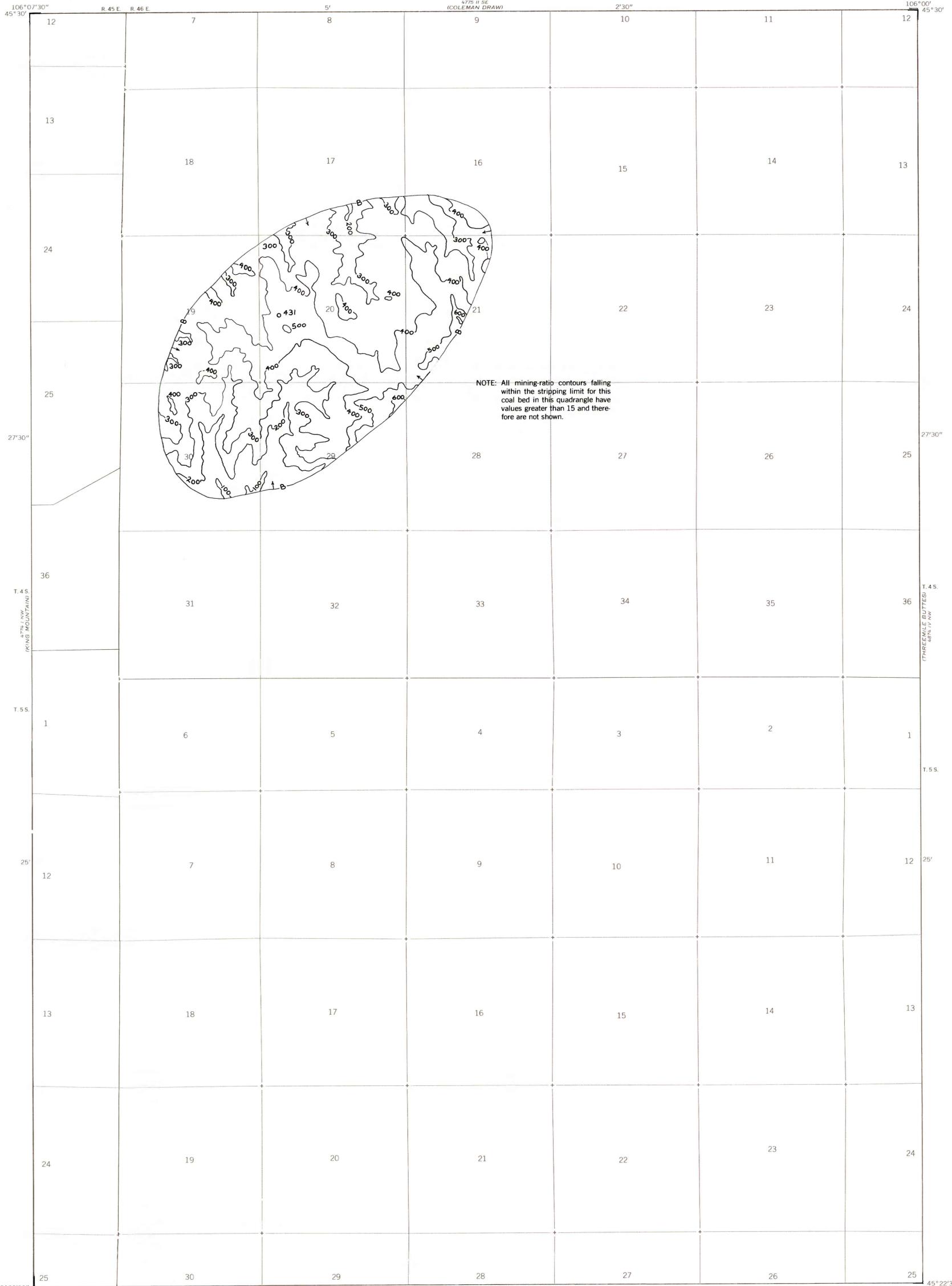


OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.



EXPLANATION

400
OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 100 feet (30.5 m)

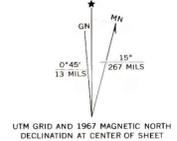
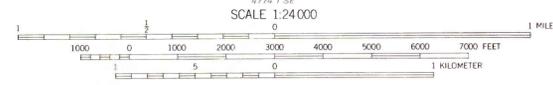
B
BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal, and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

431
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 0.3048.

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



**COAL RESOURCE OCCURRENCE MAP OF THE YAGER BUTTE QUADRANGLE,
POWDER RIVER COUNTY, MONTANA**

BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 26
OVERBURDEN ISOPACH AND MINING-RATIO
MAP OF THE LOWER SPLIT OF
THE SAWYER COAL BED

WILLOW CREEK QUADRANGLE
57° 13' 30" N
106° 07' 30" W
R. 45 E R. 46 E
45° 30' 27' 30" 25' 36' 1
T. 4 S T. 5 S
IRVING MOUNTAIN
THREEMILE BUTTES QUADRANGLE
PHILLIPS BUTTE
45° 22' 30" 106° 07' 30" R. 45 E R. 46 E
Base map from U.S. Geological Survey, 1967
Compiled in 1977
106° 00' 45° 30' 27' 30" 25' 36' 1
1
0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
1 KILOMETER
1 MILE
MONTANA
QUADRANGLE LOCATION
GN
MN
15°
0°45'
13 MILS
267 MILS
UTM GRID AND 1967 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET