UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SAYLE HALL QUADRANGLE
MONTANA—POWDER RIVER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

4774 II NW (OTTER)
4774 II NE (REANUS CONE)
4874 III NW (SAYLE)
4773 II SW (BEAR CREEK SCHOOL)
4873 III SW (BRADSHAW CREEK)
4773 I NW (CABIN CREEK NW)
4773 I NE (CABIN CREEK NE)
4873 IV NW (BLACK DRAW)

106°07'30" 5' 2'30" R. 46 E. R. 47 E. 106°00'
45°07'30" 45°00'
T. 8 S.
T. 9 S.

OPEN FILE REPORT 79-790
PLATE 12 OF 46

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. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. 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.

71

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

10

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.

Base map from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETRE

GN MN
0°45' 13 MILS
15° 267 MILS
UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE SAYLE HALL QUADRANGLE, POWDER RIVER COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 12

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE ANDERSON COAL BED