UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

OPEN FILE REPORT 79-789
PLATE 5 OF 41

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

EXPLANATION

200

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 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, and/or the split line of the coal bed, and/or the fault boundary of coal. Arrows point toward area of coal 5 feet or more thick.

o 62

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 short ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limits.

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

To convert feet to meters, multiply feet by 0.3048.

Base map from U.S. Geological Survey, 1970

Compiled in 1977

SCALE 1:24 000

UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

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

PLATE 5

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