UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

4774 I SE (POKER JIM BUTTE)

4774 I SE (GOODSPEED BUTTE)

106°15′ 12′30″ 4774 I SW (FORT HOWES) 10′ R 45 E R 46 E 106°07′30″

45°15′

12′30″

T. 7 S.
T. 8 S.

10′

4774 III NE (HAMILTON DRAW)

4774 II NE (REANUS CONE)

4774 II SW (BEAR CREEK SCHOOL)

4774 II SE (GAYLE HALL)

4774 III SE (QUIETUS)

506

600

400

B

Base from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

1 MILE
7000 FEET
1 KILOMETRE

GN MN
0°50′ 15 MILS
15° 267 MILS

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

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

OPEN FILE REPORT 79–105

PLATE 36 OF 59

EXPLANATION

600

OVERBURDEN ISOPACHS--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 RESERVE BASE COAL--Drawn along 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.

o 506

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

To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.

To convert feet to meters, multiply feet by 0.3.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE OTTER QUADRANGLE, POWDER RIVER COUNTY, MONTANA

BY

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1979

PLATE 36
OVERBURDEN ISOPACH MAP
OF THE BREWSTER-
ARNOLD COAL BED