UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COLSTRIP SW QUADRANGLE
MONTANA—ROSEBUD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

**OPEN FILE REPORT 79-007**
**PLATE 9 OF 17**
OPEN-FILE REPORT
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

4675 IV NE (TRAIL CREEK SCHOOL) | 4675 I NW (COLSTRIP WEST) | 4675 I NE (COLSTRIP EAST)
4675 IV SE (ROUGH DRAW) | 4675 I SE (COLSTRIP SE)
4675 II SW (BLACK SPRING) | 4675 II NW (JIMTOWN) | 4675 II NE (BADGER PEAK)

106°45′ | 42′30″ | 40′ | 106°37′30″
45°52′30″ | 50′ | 47′30″ | 45°45′
T. 1 N. | T. 1 S.
R. 40 E. | R. 41 E.

Coal Lse. M073109
Coal Lse. M15965
Coal Lse. Bil 020989 038770

SPLIT LINE OF THE ROSEBUD COAL BED

| RB | R(85%) |
|---|---|
| 1.41 | 1.20 |
| 0.64 | 0.54 |
| 0.31 | 0.27 |
| 5.43 | 4.62 |
| 3.74 | 3.18 |
| 0.24 | 0.21 |
| 0.92 | 0.78 |
| 0.08 | 0.05 |
| 0.13 | 0.11 |
| 4.68 | 3.98 |
| 8.60 | 5.61 |
| 1.82 | 1.55 |
| 0.53 | 0.45 |
| 0.03 | 0.02 |
| 0.14 | 0.12 |
| 7.82 | 6.65 |
| 2.64 | 2.24 |
| 0.01 | 0.01 |
| 0.07 | 0.06 |
| 0.60 | 0.51 |
| 0.42 | 0.36 |

Base map from U.S. Geological Survey, 1971
Compiled in 1977

SCALE 1:24000
1 MILE | 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET | 1 KILOMETER

GN | MN | 1°13′ 21 MILS | 15½° 276 MILS
UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

## EXPLANATION

NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights.

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.

\+ POINT OF MEASUREMENT ON COAL BED

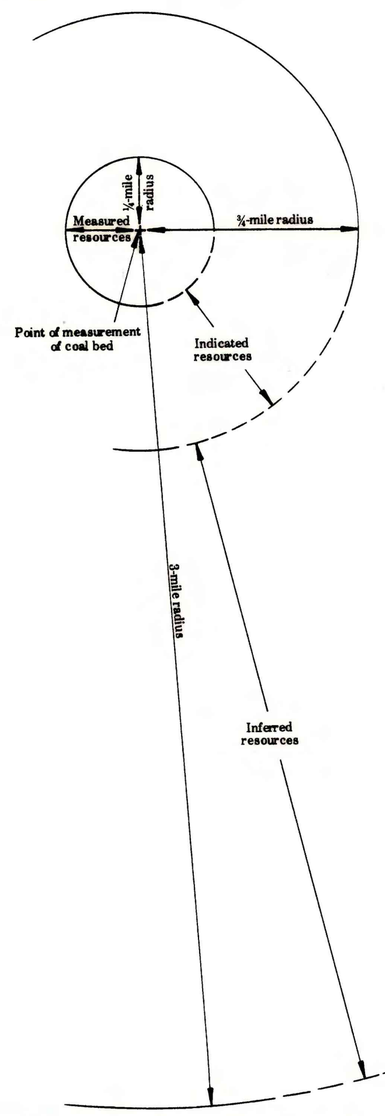


DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED RESOURCES—Shows arcuate boundary lines enclosing areas of measured, indicated, and inferred coal resources. Boundaries of areas are dashed where projected from an adjacent quadrangle. Areas of measured, indicated, or inferred resources may be present without their outer boundaries being shown.

| RB | R(85%) | |
|---|---|---|
| 0.14 | 0.12 | (Measured resources) |
| 7.82 | 6.65 | (Indicated resources) |
| 2.64 | 2.24 | (Inferred resources) |

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

NOTE: No stripping-limit line is shown because there is less than 500 feet of overburden above the Reserve Base coal. Consequently, all coal shown has a recovery factor of 85 percent.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.

# COAL RESOURCE OCCURRENCE MAP OF THE COLSTRIP SW QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

PLATE 9

AREAL DISTRIBUTION AND TONNAGE MAP OF IDENTIFIED RESOURCES OF THE LOWER ROSEBUD SPLIT OF THE ROSEBUD COAL BED