UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

OPEN FILE REPORT 78-836
PLATE 1 OF 13

EXPLANATION

INDEX NUMBER OF MEASURED SECTION SHOWN ON
PLATE 3 OF CRO MAP—Coal section measured at point
of triangle.

LINE OF COMPOSITE SECTION—Showing index number of
section shown on plate 3 of CRO map. Composite section is
based on nearby coal bed thickness measurements.

GL 3103
NR 200
R 10+

OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

GL—Ground elevation
NR—No record
R—Rock interval
DRILL HOLE DATA SYMBOLS

Rb—Rosebud
Mc—McKay
Teu—Terret upper split
Te-R—Terret-Robinson
Bu—Burley
COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROPS—Dashed where approxi-
mately located; short dashed where inferred. Showing
thickness of coal, in feet, measured at triangle. Where a
thickness fraction is shown, it indicates the net coal thick-
ness (upper number) and net partings thickness (lower
number). Letters designate the name of the coal bed as
listed above. Arrow points toward coal-bearing area.
Trace of coal outcrop has been modified from Dobbin
(1930, pl. 7), Pierce (1936, pl. 11) and Matson and Blumer
(1973, pl. 14) to fit modern topographic map.

BURNED AND CLINKERED COAL BED—Showing area of
baked and fused rock (v symbol). Dotted line indicates the
inferred limit of burning.

$\frac{12.7}{0.2}$ Pierson Mine
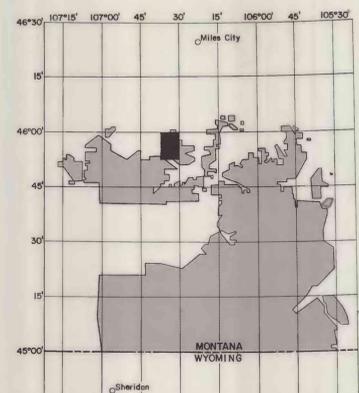
COAL MINE—Showing thickness of coal bed, in feet.

Colstrip
Strip Mine
(Rosebud)

COAL STRIP MINE—Showing name of mine and coal bed
removed. Hachures point towards mined-out area.

REFERENCES FOR NON-INDEXED DATA POINTS

Dobbin, C. E., 1930, The Forsyth coal field, Rosebud, Treasure,
and Big Horn Counties, Montana: U.S. Geol. Survey Bull.
812-A, p. 1-55.

Pierce, W. G., 1936, The Rosebud coal field, Rosebud and Custer
Counties, Montana: U.S. Geol. Survey Bull. 847-B,
p. 43-120.

INDEX MAP—Showing location of the Colstrip East
quadrangle and the Northern Powder River Basin Known
Recoverable Coal Resource Area (stippled), Montana

Base map from U.S. Geological Survey, 1971

Compiled in 1977

SCALE 1:24 000

UTM GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE COLSTRIP EAST
QUADRANGLE, ROSEBUD COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1978

PLATE 1
COAL DATA MAP