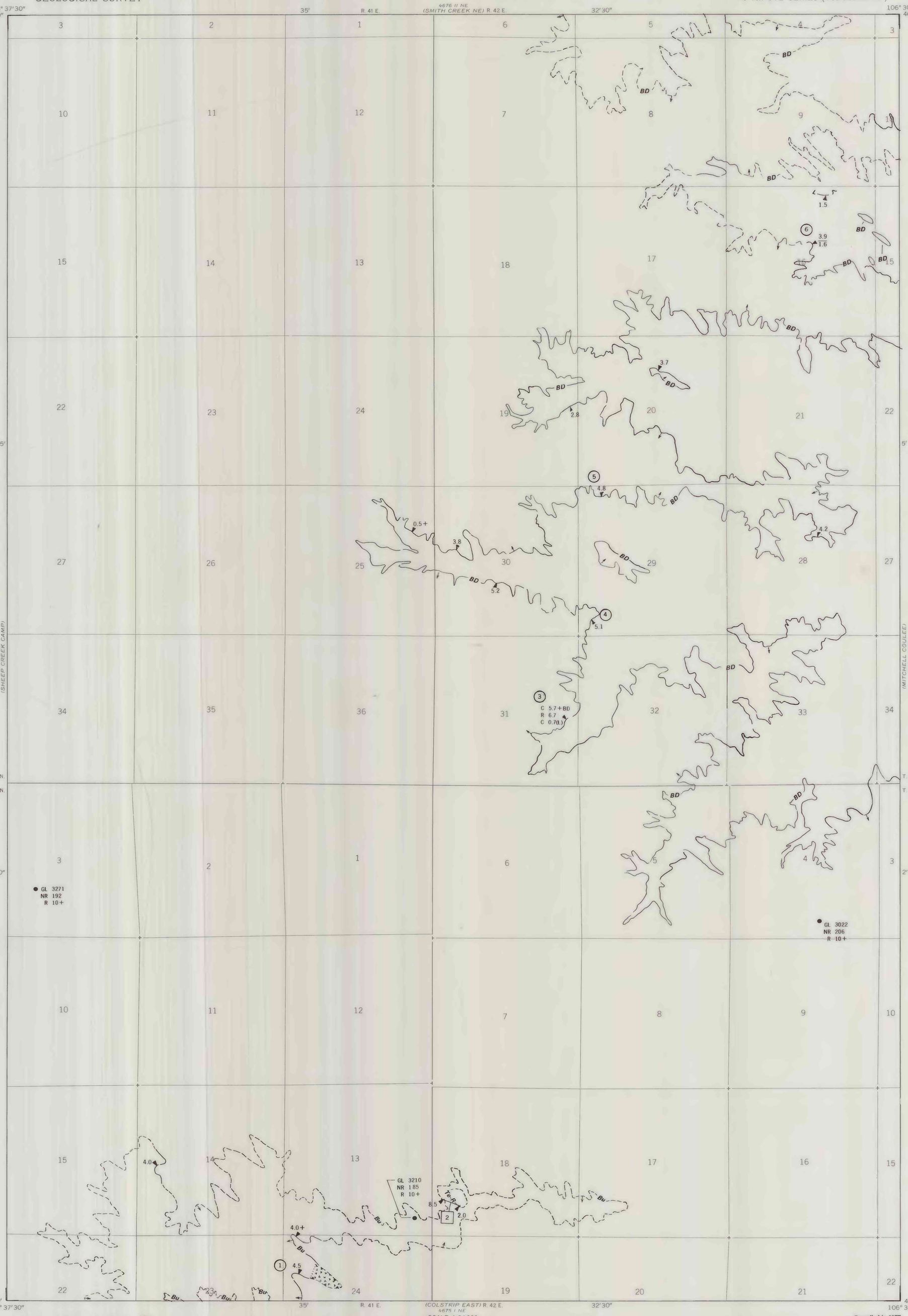
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

MC KERLICH CREEK QUADRANGLE
MONTANA–ROSEBUD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 78-641
PLATE 1 OF 10



Base map from U.S. Geological Survey, 1971

Compiled in 1977

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

GN MN 1°07′ 20 MILS 15½° 276 MILS

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA

QUADRANGLE LOCATION

EXPLANATION

INDEX NUMBER OF MEASURED SECTION 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 thickness measurements.

GL 3022
NR 206
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

Te-R–Terret-Robinson
Bu–Burley
BD–Big Dirty

COAL BED SYMBOLS AND NAMES

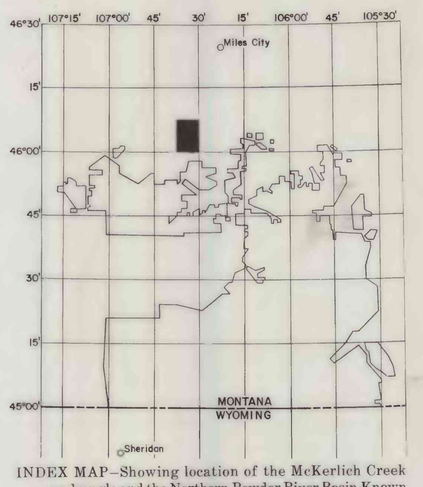
TRACE OF COAL BED OUTCROP–Dashed where approximately located; short dashed where inferred. Showing thickness of coal, in feet, measured at triangle. Letters designate the name of the coal bed as listed above. Arrow points toward coal-bearing area. Trace of coal outcrop has been modified from Dobbin (1930, pl. 7) and Pierce (1936, pl. 11) 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.

To convert feet to meters, multiply feet by 0.3048.

REFERENCE FOR NONINDEXED DATA POINTS

Dobbin, C. E., 1929, The Forsyth coal field, Rosebud, Treasure, and Big Horn Counties, Montana: U.S. Geol. Survey Bull. 812-A, p. 1-55.



INDEX MAP–Showing location of the McKerlich Creek quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana

COAL RESOURCE OCCURRENCE MAP OF THE MC KERLICH CREEK QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1978

PLATE 1
COAL DATA MAP