UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STROUD CREEK QUADRANGLE
MONTANA
7.5 MINUTE SERIES (TOPOGRAPHIC)

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

OPEN FILE REPORT 78-038
PLATE 1 OF 54

EXPLANATION

13 ○ GL 3720 R 22 C 34(An) R 10 TD 66

COAL TEST HOLE--Showing index number of hole on plate 3 of CRO maps and drill-hole data, in feet.

8 ● GL 3923 NR 210 R 30 C 9(D) R 115

OIL AND GAS TEST HOLE--Showing index number of hole on plate 3 of CRO maps and drill-hole data, in feet.

GL-Ground-level elevation
NR-No record
R-Rock interval
C-Coal interval
TD-Total depth

DRILL-HOLE DATA SYMBOLS

An -Anderson
D -Dietz
UCy -Upper Canyon
LCy -Lower Canyon
Wh -White
Co -Cook
UOt -Upper Otter
LOt -Lower Otter
Ot -Otter
W -Wall
P -Pawnee
PJ -Poker Jim
BA -Brewster-Arnold
K -Knobolch
FG -Flowers-Goodale
Ke -Kendrick
L -Local

COAL BED SYMBOLS AND NAMES

3 —|—

MEASURED SURFACE SECTION--Showing index number of section on plate 3 of CRO maps.

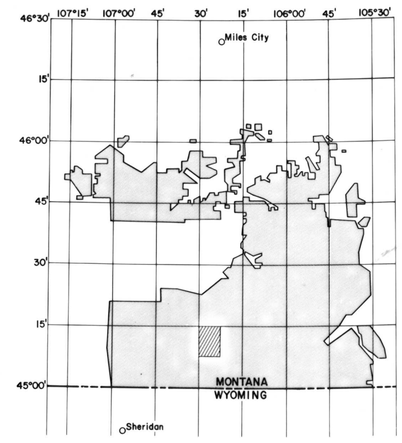
13 ▼ An

TRACE OF COAL-BED OUTCROP--Dashed where covered by younger alluvium. Shows thickness of coal, in feet, measured at triangle. Letters designate the name of the coal bed as listed above. Arrows point toward coal-bearing area. Plus (+) sign after number indicates measurement is incomplete.

CLINKER--Showing rock that is baked and fused by the heat from burning of a coal bed (v symbol). Solid line is the base of the clinker. Dotted line is the inferred limit of burning. Arrows point toward Reserve Base coal

ABANDONED COAL MINE

To convert feet to meters, multiply feet by 0.3.



MAP SHOWING LOCATION OF THE STOUD CREEK QUADRANGLE (RULED) AND THE NORTHERN POWDER RIVER BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (SHADED), MONTANA

Base from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE STROUD CREEK QUADRANGLE, ROSEBUD AND BIG HORN COUNTIES, MONTANA

BY

W. J. MAPEL, B. K. MARTIN, AND B. A. BUTLER

1978

PLATE 1
COAL DATA MAP

STROUD CREEK QUAD COMMON PLATE