UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OTTER QUADRANGLE
MONTANA–POWDER RIVER CO.
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 nomenclature

OPEN FILE REPORT 79-105

PLATE 1 OF 59

Base from U.S. Geological Survey, 1972

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 KILOMETRE

GN MN 0°50' 15 MILS 15° 267 MILS

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA

QUADRANGLE LOCATION

EXPLANATION

(11) ○ GL 3665
R 74
C 25(Cy)
R 9
TD 108

COAL TEST HOLE--Showing index number of hole on plate 2 of CRO map and drill hole data, in feet.

(2) ● GL 3637
R 148
C 16(Co)
R 78

OIL AND GAS TEST HOLE--Showing index number of hole on plate 2 of CRO map 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

S --Smith
An --Anderson
D --Dietz
L --Local
Cy --Canyon
Co --Cook
Ot --Otter
PJ --Poker Jim
BA --Brewster-Arnold
K --Knobloch
N --Nance
UFG --Upper Flowers-Goodale
LFG --Lower Flowers-Goodale
Ke --Kendrick

COAL BED SYMBOLS AND NAMES

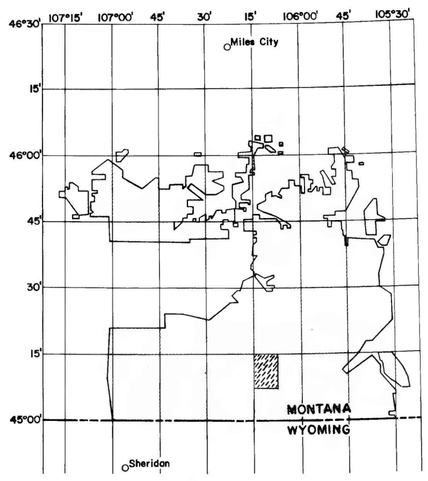
Co 18

TRACE OF COAL BED OUTCROP--Showing thickness of coal in feet, measured at triangle. Letters identify the name of the coal bed as listed above. Arrow points toward the coal-bearing area. Plus (+) sign after number indicates incomplete measurement.

CLINKER--Showing rock that is baked and fused by the heat from burning of the underlying coal bed (v symbol). Solid line is the base of the clinker. Dotted line is the inferred surface trace of burning.

FAULT--Bar and ball on downthrown side.

To convert feet to meters, multiply feet by 0.3.



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

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

BY

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1979

PLATE 1
COAL DATA MAP