UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ROUND BOTTOM QUADRANGLE
COLORADO—MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 MONUMENT BUTTE 15' QUADRANGLE

OPEN FILE REPORT 79-814

EXPLANATION

(51) GL 6665
R 26.3
C 3.1(UG)
R 11.5
C 2.1(UG)
R 57.0
TD 100.0

COAL TEST HOLE - Showing drill-hole data, in feet. Index number refers to hole on plate 3 of CRO map or in table of text. Letters designate name of coal bed(s) as listed below.

(66) GL 6300
NR 807
R 2193+

OIL AND GAS TEST HOLE - Showing drill-hole data, in feet. Index number refers to hole on plate 3 of CRO map or in table of text.

Wise Mine
9.0(MG)[20]
Abandoned

MINE MEASURED SECTIONS - Showing rock interval and coal thickness, in feet. Letters designate name of coal bed(s) as listed below.

(28) C 1.0(MG)
R 17.0
C 1.6(MG)

OUTCROP MEASURED SECTION - Showing rock interval and coal thickness, in feet. Index number refers to section on plate 3 of CRO map or in table of text. Letters designate name of coal bed(s) as listed below.

33

LINE OF COMPOSITE SECTION - Showing index number of section on plate 3 of CRO Map.

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

TEST HOLE AND MEASURED-SECTION DATA SYMBOLS

WF - Williams Fork, undifferentiated
UG - Upper Group
MG - Middle Group
LG - Lower Group

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

3.5
UG

TRACE OF COAL BED OUTCROP - Showing thickness of coal, in feet, measured at triangle. Letters designate name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed line indicates inferred outcrop. Trace of outcrop modified (from original data source) to fit modern topographic map.

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

FAULT - Bar and ball on down-thrown side.

To convert feet to meters, multiply feet by 0.3048.

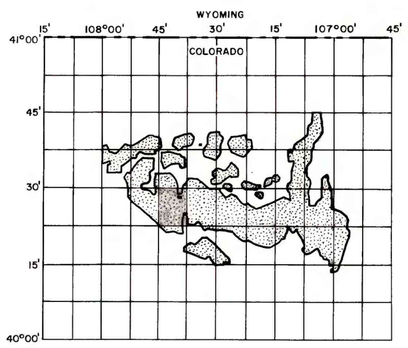
REFERENCES

Bergin, M. J., 1959, Preliminary geologic map of the Maybell-Lay area, Moffat County, Colorado: U.S. Geol. Survey Open-File map.

Hancock, E. T., 1925, Geology and coal resources of the Axial and Monument Butte quadrangles, Moffat County, Colorado: U.S. Geol. Survey Bull. 757, 134 p.

Johnson, E. A., 1978, Geophysical logs for eighteen holes drilled during 1977 in the Round Bottom area, Yampa coal field, Moffat County, Colorado: U.S. Geol. Survey Open-File Report 78-229.

U.S. Geol. Survey, 1962, Inactive Coal Prospecting Permit Nos. Colorado 066620, 066621, and 066623, Utah Construction and Mining Co.



MAP SHOWING LOCATION OF THE ROUND BOTTOM QUADRANGLE (SHADED) AND THE YAMPA KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), COLORADO

Base from U.S. Geological Survey, 1966

Compiled in 1979

SCALE 1:24 000

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

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

COAL RESOURCE OCCURRENCE MAP OF THE ROUND BOTTOM QUADRANGLE, MOFFAT COUNTY, COLORADO

BY

DAMES & MOORE

1979

PLATE 1
COAL DATA MAP