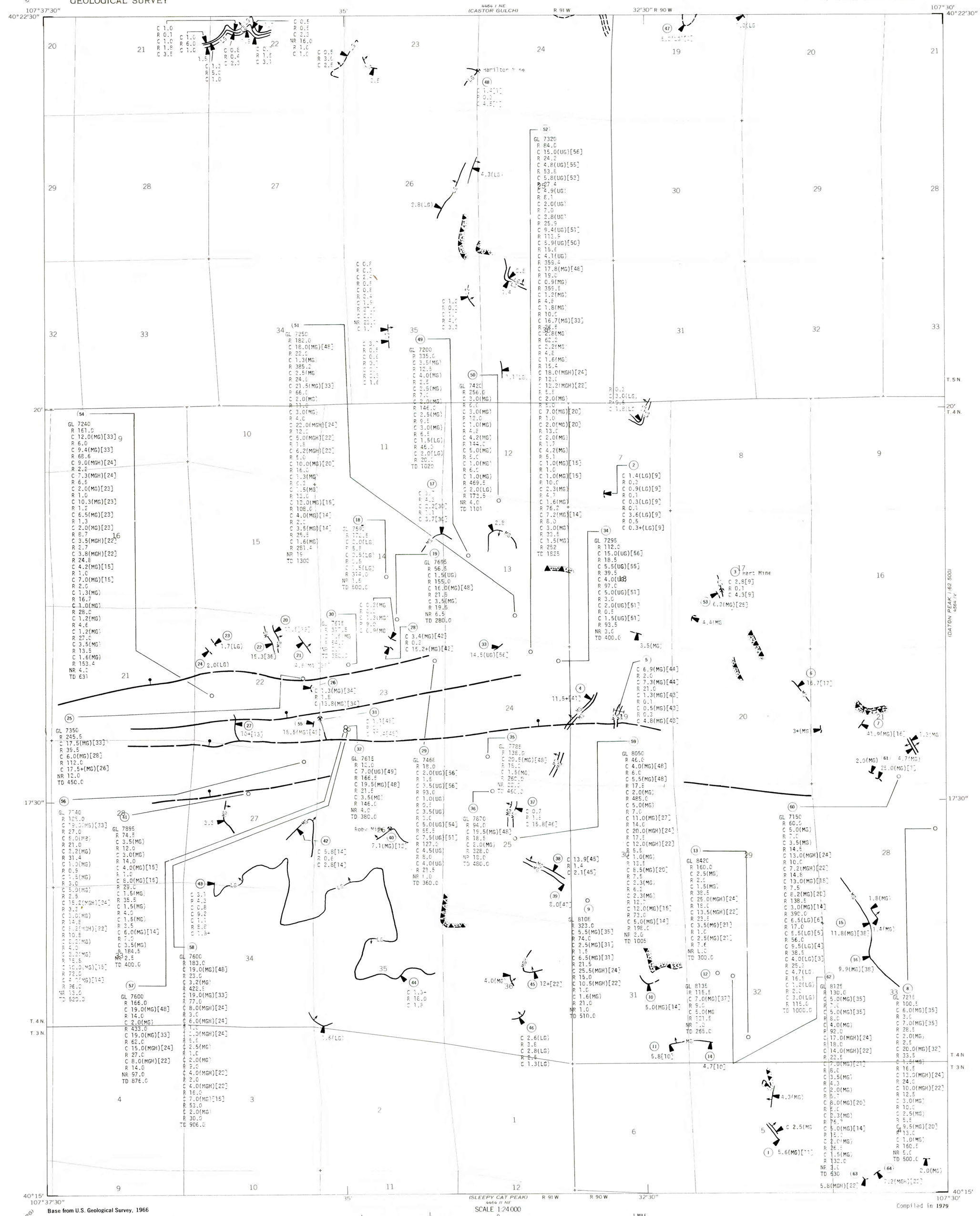
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAMILTON QUADRANGLE
COLORADO–MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 MONUMENT BUTTE 15' QUADRANGLE

OPEN FILE REPORT 78-628
PLATE 1 OF 43



Base from U.S. Geological Survey, 1966

Compiled in 1979

SCALE 1:24 000

1 MILE

7000 FEET

1 KILOMETER

INTERVAL 40 FEET

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

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

EXPLANATION

GL 7615
R 217.5
C 1.5(MG)
R 54.0
NR 7.0
TD 380.0

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 (or bracketed numbers) designate name of coal bed(s) as listed below.

Roby Mine
7.1(MG)[16]

MINE MEASURED SECTIONS - Abandoned underground mine, showing mine name, if known, and rock interval and coal thickness, in feet. Index number refers to section on plate 3 of CRO map or in table of text. Letters (or bracketed numbers) designate name of coal bed as listed below.

C 1.3(MG)[53]
R 1.8
C 13.8(MG)[53]

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 (or bracketed numbers) designate name of coal bed as listed below.

C 6.9(MG)[27]
R 2.0
C 7.3(MG)[27]
R 21.0
C 1.3(MG)[26]
R 0.1
C 0.5(MG)[26]
R 0.3
C 4.8(MG)[26]

LINE OF 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 (or bracketed numbers) designate name of coal bed as listed below.

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

DRILL HOLE AND MEASURED-SECTION DATA SYMBOLS

UG - Upper Coal Group
MG - Middle Coal Group
LG - Lower Coal Group

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

2.8 MG

TRACE OF COAL BED OUTCROP - Showing thickness of coal (and rock), in feet, measured at triangle. Index number refers to section on plate 3 of CRO map or in table of text. Letters (and bracketed numbers) 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.

TRACE OF FAULT - Bar and ball on down-thrown side. Dashed where inferred.

To convert feet to meters, multiply feet by 0.3048.

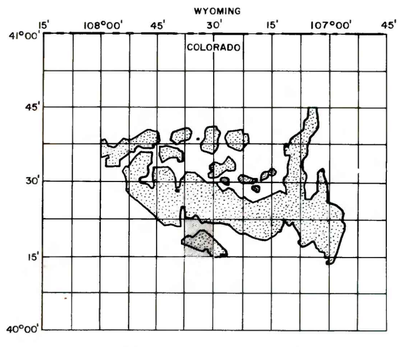
REFERENCES

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.

Meyer, R. F., 1977, Geophysical logs of 22 holes drilled in 1976 in the Yampa coal field, Moffat County, northwestern Colorado: U.S. Geol. Survey Open-File Report 77-118.

_____1978, Geophysical logs of 20 holes drilled in 1977 in the Yampa coal field, Hamilton, Horse Gulch, and Pagoda quadrangles, Moffat County, Colorado: U.S. Geol. Survey Open-File Report 78-366.

_____no date, Preliminary geologic map and results of drilling during 1977 and 1978 in the Hamilton quadrangle, Moffat County, Colorado: U.S. Geol. Survey, unpublished map, scale 1:24,000.



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

COAL RESOURCE OCCURRENCE MAP OF THE HAMILTON QUADRANGLE, MOFFAT COUNTY, COLORADO

BY

DAMES & MOORE

1978

PLATE 1
COAL DATA MAP