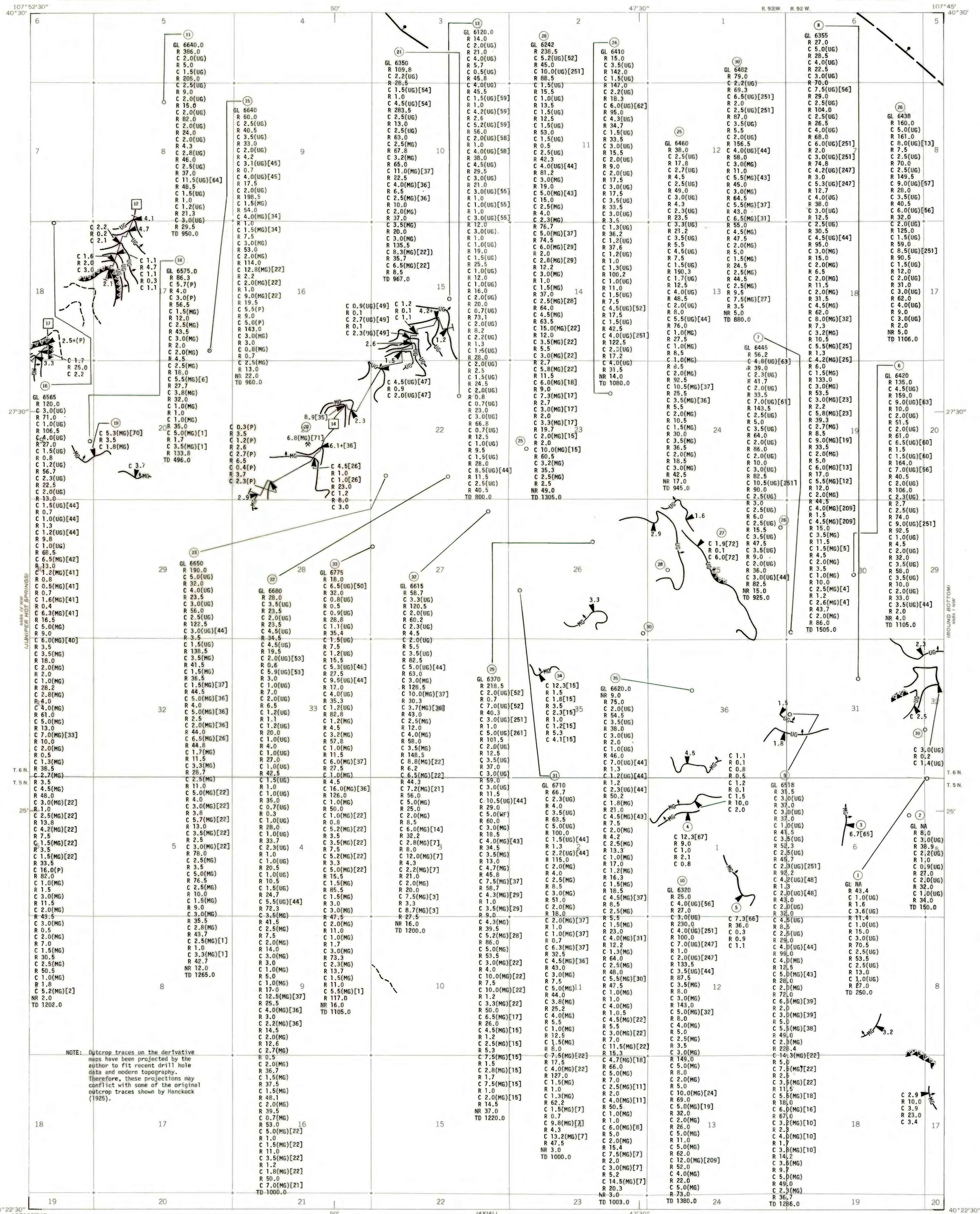
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HORSE GULCH QUADRANGLE
COLORADO – MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 AXIAL 15' QUADRANGLE

OPEN FILE REPORT 79-882
PLATE 1 OF 65

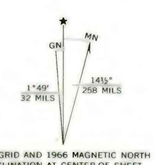


NOTE: Outcrop traces on the derivative maps have been projected by the author to fit recent drill hole data and modern topography. Therefore, these projections may conflict with some of the original outcrop traces shown by Hanckock (1925).

Base from U.S. Geological Survey, 1966

Compiled in 1979

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

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

QUADRANGLE LOCATION

EXPLANATION

○ (2)
GL NA
R 8.0
C 3.0(UG)
R 38.9
C 2.2(UG)
R 1.0
C 0.9(UG)
Section continues

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.

⚒ (20)
6.8(MG)[71]

MINE MEASURED SECTIONS - Abandoned underground mine, showing 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.

(14)

LINE OF COMPOSITE SECTION - Showing index number of section on plate 3 of CRO map. Letters (or bracketed numbers) designate name of coal bed as listed below.

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

DRILL HOLE, MEASURED SECTION, AND COMPOSITE MEASURED SECTION DATA SYMBOLS

WF - Williams Fork, undifferentiated
UG - Upper Coal Group
MG - Middle Coal Group
P - Peacock

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.

(19)
C 5.3[70]
R 3.5
C 1.8
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.

FAULT - Bar and ball on down-thrown side. Fault trace dashed where approximate.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

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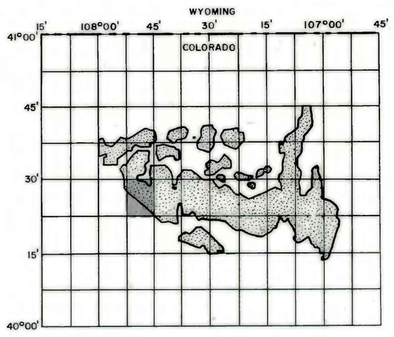
Gale, H. S., 1910, Coal fields of northwestern Colorado and northeastern Utah: U.S. Geol. Survey Bulletin 415, 265 p.

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

Johnson, E. A., 1978, Geophysical logs for 18 holes drilled during 1977 in the Round Bottom area, Yampa coal field, Moffat County, Colorado: U.S. Geol. Survey Open-File Report 78-229.

Meyer, R. F., 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.

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



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

COAL RESOURCE OCCURRENCE MAP OF THE HORSE GULCH QUADRANGLE, MOFFAT COUNTY, COLORADO

BY

DAMES & MOORE

1979

PLATE 1
COAL DATA MAP