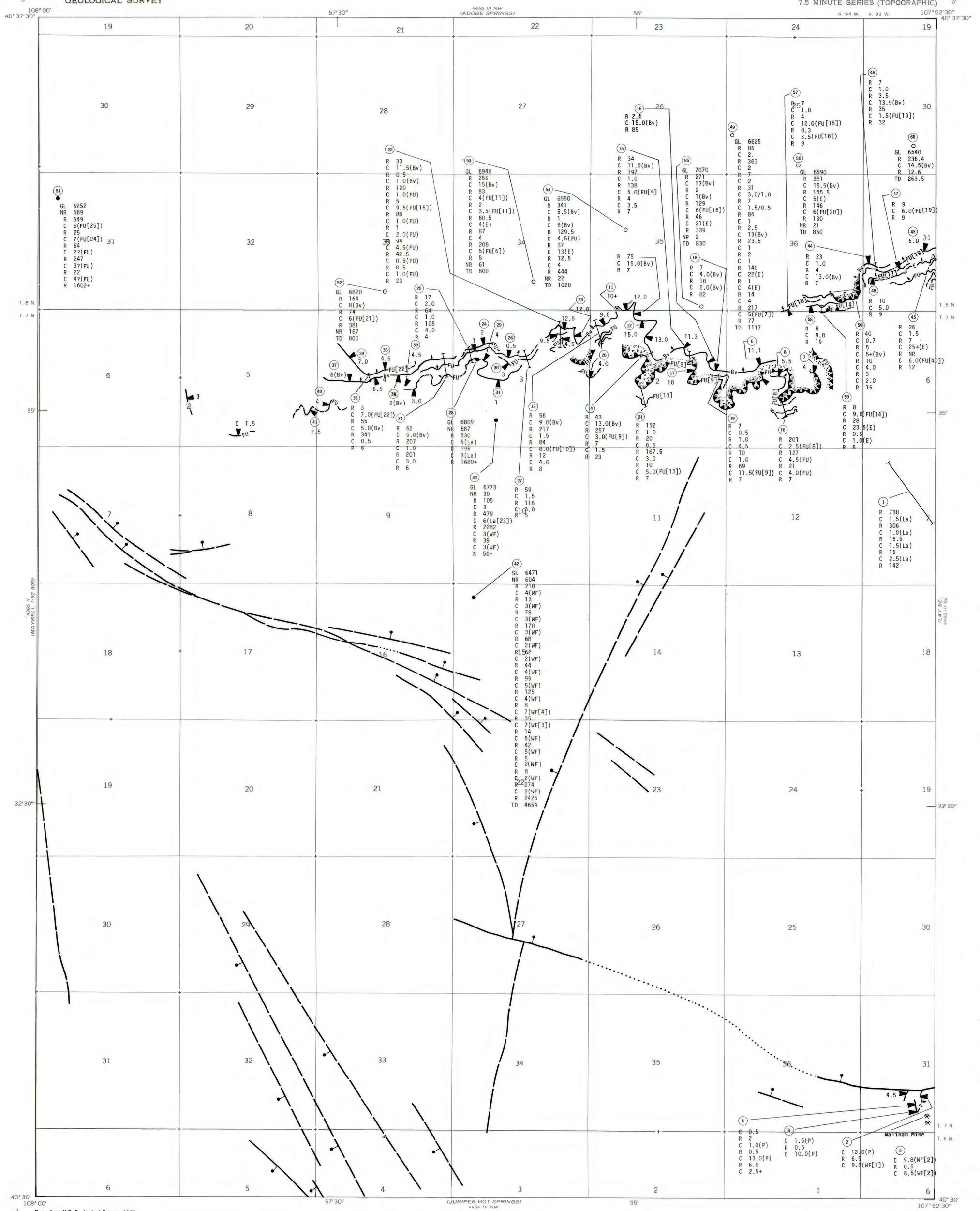
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAY QUADRANGLE
COLORADO—MOFFAT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-877
PLATE I OF 22



EXPLANATION

(55)
GL 7070
R 271
C 13(Bv)
R 2
C 1(Bv)
R 129
(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.

(28)
GL 6809
NR 587
R 530
C 5(La)
R 195
C 3(La)
R 1680+

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

(5)
Waltham Mine
C 9.8(WF[2])
R 0.5
C 8.5(WF[2])

MINE MEASURED SECTIONS - Abandoned underground mine, showing mine name, if known, and coal and rock 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.

(33)
C 7(FU[22])

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.

(3)
C 1.5(P)
R 0.5
C 10.0(P)

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 above.

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

DRILL HOLE AND MEASURED-SECTION DATA SYMBOLS

FU - Fort Union, undifferentiated
Bv - Blevins
E - Emerson
La - Lance, undifferentiated
WF - Williams Fork, undifferentiated

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.

(48)
R 10
C 5.0(FU[17])
R 9
FU

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 test. 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. Dotted where concealed.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

Brownfield, M. E., 1978, Reconnaissance drilling during 1977 in the Yampa coal field, Moffat and Routt Counties, Colorado: U.S. Geol. Survey Open-File Report 78-365, 135 p.

Brownfield, M. E., and Prost, Gary, no date, Preliminary geologic map and coal sections of the Lay quadrangle, Moffat County, Colorado: U.S. Geol. Survey, open-file report, in preparation

Muller, S. C., 1976, Lithologic and geophysical logs of seven holes drilled in 1975 in the Yampa and Danforth Hills coal fields, northwestern Colorado: U.S. Geol. Survey Open-File Report 76-383, 180 p.

U.S. Bureau of Reclamation, (no date), Preliminary drilling results of four drill holes in the Lay Creek EMRIA study site during 1978-1979, Moffat County, Colorado: U.S. Bur. of Reclamation, unpublished data.

U.S. Geol. Survey, 1971, Inactive coal prospecting permit No. Colorado 12705.

Base from U.S. Geological Survey, 1969

Compiled in 1977/1978

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

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

UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COLORADO
QUADRANGLE LOCATION

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

BY

DAMES & MOORE

1979

PLATE 1
COAL DATA MAP