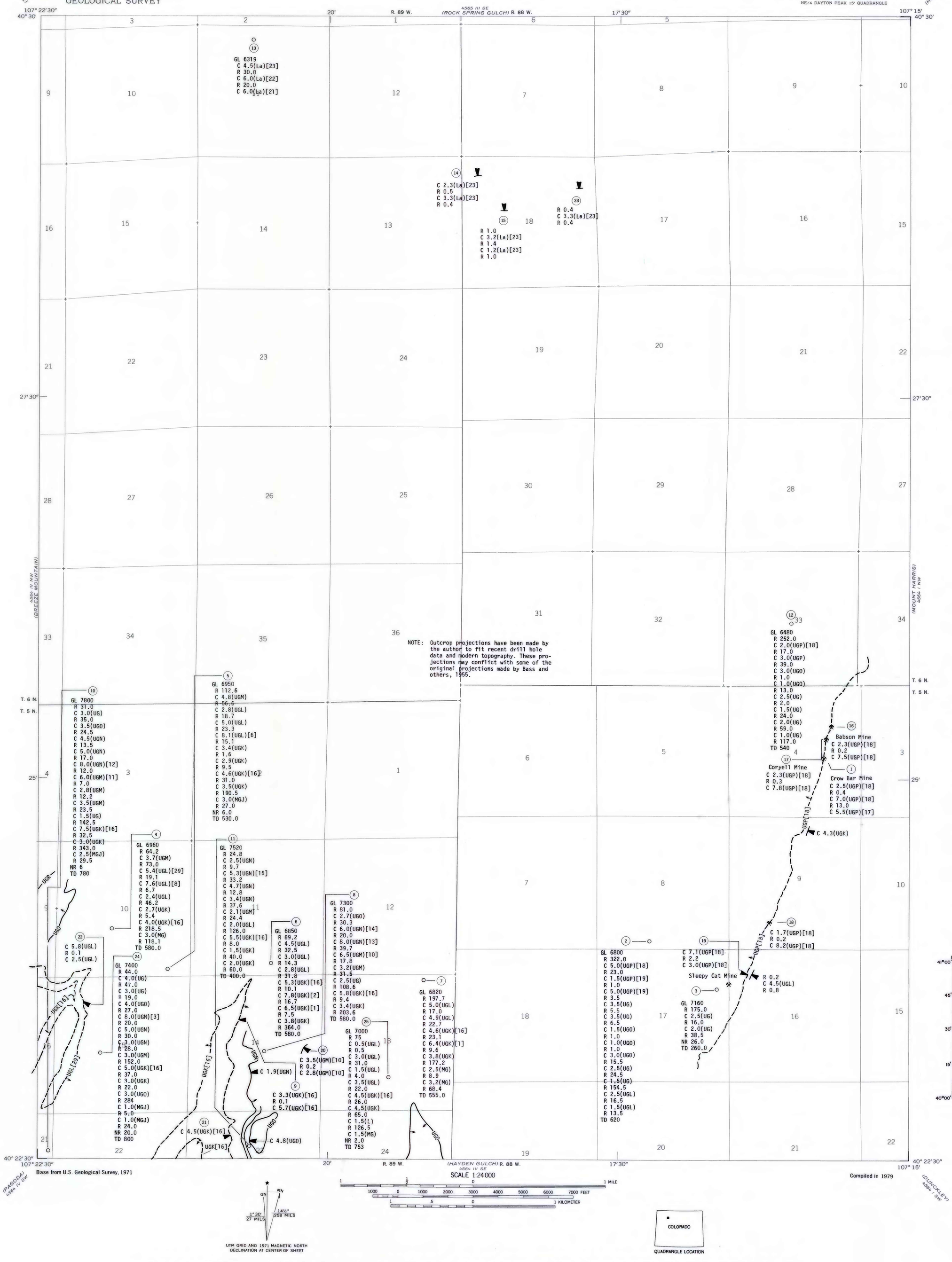
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAYDEN QUADRANGLE
COLORADO—ROUTT CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 DAYTON PEAK 15' QUADRANGLE

OPEN FILE REPORT 79-825

PLATE 1 OF 12



Base from U.S. Geological Survey, 1971

Compiled in 1979

SCALE 1:24 000

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

GN MN 1°30' 27 MILS 14½° 258 MILS

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COLORADO

QUADRANGLE LOCATION

EXPLANATION

GL 6319
C 4.5(La)[23]
R 30.0
C 6.0(La)[22]
R 20.0
C 6.0(La)[21]

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 and bracketed numbers designate name of coal bed as listed below.

C 2.5(UGP)[18]
R 0.4
C 7.0(UGP)[18]
R 13.0
C 5.5(UGP)[17]

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 and bracketed numbers designate name of coal bed as listed below.

R 1.0
C 3.2(La)[23]
R 1.4
C 1.2(La)[23]
R 1.0

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 and 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

COAL TEST HOLE AND MEASURED-SECTION DATA SYMBOLS

La - Lance
UG - Upper Group, undifferentiated
UGP - Upper Group, zone P
UGO - Upper Group, zone O
UGN - Upper Group, zone N
UGM - Upper Group, zone M
UGL - Upper Group, zone L
UGK - Upper Group, zone K
MG - Middle Group, undifferentiated
MGJ - Middle Group, coal bed J
L - Local

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.

C 7.1(UGP)[18]
R 2.2
C 3.0(UGP)[18]
UGP

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

To convert feet to meters, multiply feet by 0.3048.

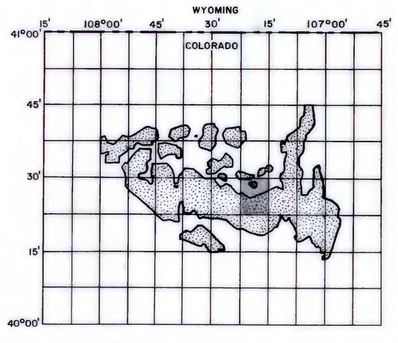
REFERENCES

Bass, N. W., Eby, J. B., and Campbell, M. R., 1955, Geology and mineral fuels of parts of Routt and Moffat Counties, Colorado: U.S. Geol. Survey Bull. 1027-D, p. 143-250.

Brownfield, M. E., 1976, Geophysical logs of seventeen holes drilled in 1976 in the Yampa coal field, northwestern Colorado: U.S. Geol. Survey Open-File Report 76-817, 4 p.

_____ 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.

Prost, Gary, 1977, Reconnaissance drilling in the Yampa coal field, Hayden-Williams Fork Mountains area (Yampa No. 3), Moffat and Routt Counties, Colorado during 1976: U.S. Geol. Survey Open-File Report 77-155, 7 p.



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

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

COAL RESOURCE OCCURRENCE MAP OF THE HAYDEN QUADRANGLE, ROUTT COUNTY, COLORADO

BY
DAMES & MOORE
1979

PLATE 1
COAL DATA MAP