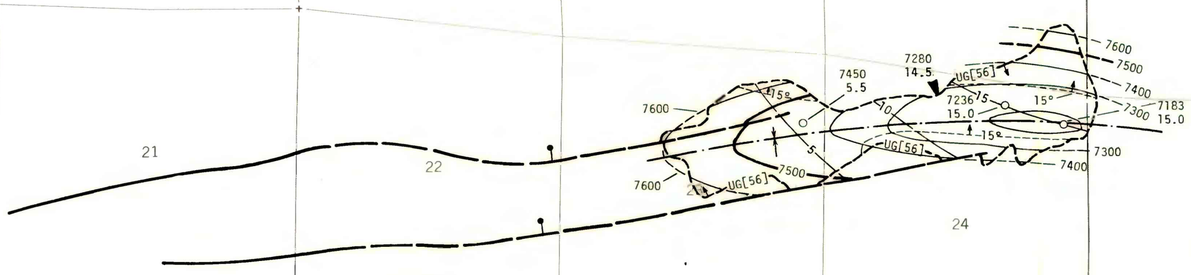
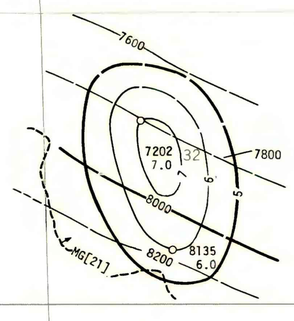
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

4464 I NW (ROUND BOTTOM)
4464 I NE (CASTOR GULCH)
4464 IV (DATON PEAK) 1:62 500
4464 II NW (THORNBURG)
4464 II NE (SLEEPY CAT PEAK)
(DATON PEAK 1:62 500) 4564 IV

107°37'30" 35' R. 91 W. 32'30" R. 90 W. 107°30'
40°22'30" 40°15'
20' 17'30"
T. 5 N. T. 4 N. T. 3 N.





Base from U.S. Geological Survey, 1966

Compiled in 1979

SCALE 1:24 000

1 MILE
1000 FEET
1 KILOMETER
CONTOUR 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

COLORADO
QUADRANGLE LOCATION

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

BY

DAMES & MOORE

1978

OPEN FILE REPORT 78-628
PLATE 19 OF 43

EXPLANATION

5
6

ISOPACHS - Showing thickness of coal, in feet. Long dashed where inferred. Isopach interval 1 foot for the Middle Coal Group, Coal Bed [21] and 5 feet for the Upper Coal Group, Coal Bed [56].

8000
7800

STRUCTURE CONTOURS - Drawn on top of coal bed or zone. Solid where vertical accuracy within 40 feet, long dashed where vertical accuracy possibly not within 40 feet; short dashed where projected above ground surface. Contour interval 200 feet (61 m) for the Middle Coal Group, Coal Bed [21] and 100 feet for the Upper Coal Group, Coal Bed [56]. Datum is mean sea level.

7236
15.0

DRILL HOLE - Showing altitude of top of coal bed, and thickness of coal, in feet.

7280
14.5

POINT OF MEASUREMENT - Showing altitude of top of coal bed, and thickness of coal, in feet. Altitudes not shown for underground mine measured sections. Includes all points of measurement other than drill holes.

UG - Upper Coal Group
MG - Middle Coal 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.

UG[56]

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Arrow points toward coal-bearing area. Short dashed where projected by present authors.

15°

SUBSURFACE MINING LIMIT - Showing areas where dips of coal beds are greater than 15° and subsurface mining by conventional methods is not considered feasible. Reserve Base tonnages are calculated beyond limit; Reserve tonnages are not. Arrow points toward area where dips are greater than 15°.

TRACE OF FAULT - Bar and ball on downthrown side. Dashed where inferred or approximately located.

TRACE OF AXIAL PLANE OF ASYMMETRIC SYNCLINE - Short arrow indicates steeper limb.

To convert feet to meters, multiply feet by 0.3048.

PLATE 19

ISOPACH AND STRUCTURE CONTOUR MAPS OF THE MIDDLE COAL GROUP, COAL BED [21] AND THE UPPER COAL GROUP, COAL BED [56]