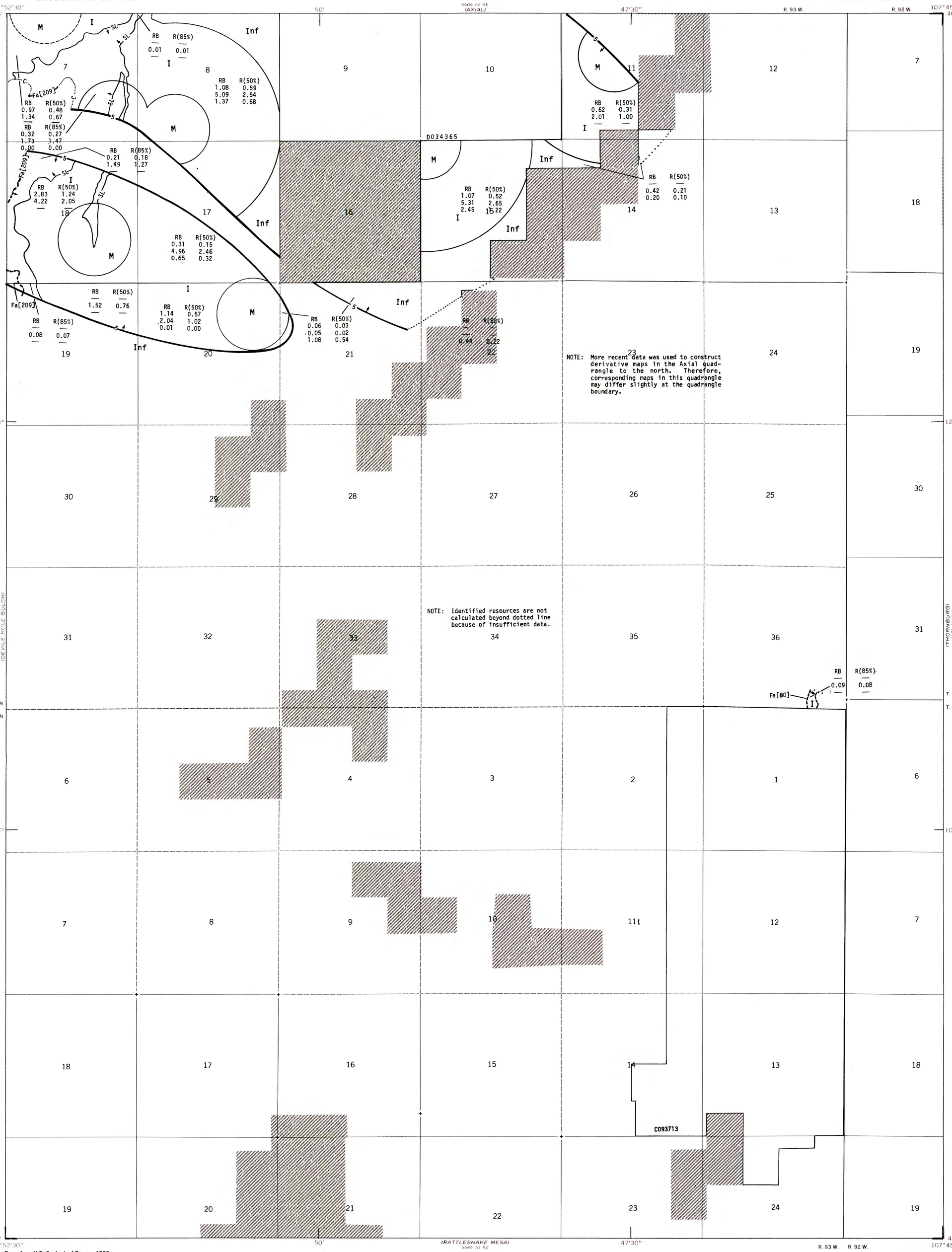
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NINEMILE GAP QUADRANGLE
COLORADO
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 MEEKER 15' QUADRANGLE

OPEN FILE REPORT 79-1405
PLATE 7 OF 58

107°52'30" 50' 47'30" R. 93 W. R. 92 W. 107°45'
40°15' 12'30" 10' T. 3 N. T. 2 N. 40°07'30"

(EASTON GULCH) 4466 IV SW
4466 IV SE (AXIAL)
(MONUMENT BUTTE) 4466 I SW
(DEVILS HOLE GULCH) 4465 III NW
(THORNBURG) 4465 II NW
(MEEKER) 4466 III SW
(RATTLESNAKE MESA) 4466 III SE
(SAWMILL MOUNTAIN) 4466 I NW



NOTE: More recent data was used to construct derivative maps in the Axial quadrangle to the north. Therefore, corresponding maps in this quadrangle may differ slightly at the quadrangle boundary.

NOTE: Identified resources are not calculated beyond dotted line because of insufficient data.

EXPLANATION

NON-FEDERAL COAL LAND - Land for which the Federal Government does not own the coal rights.

D034365

AREA OF COAL LEASE ON FEDERAL LAND - Showing coal lease number.

5

ISOPACH - Showing thickness of coal, in feet. Arrow points toward area where coal bed is 5 feet or more thick.

Fa - Fairfield 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.

Fa[209]

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.

C

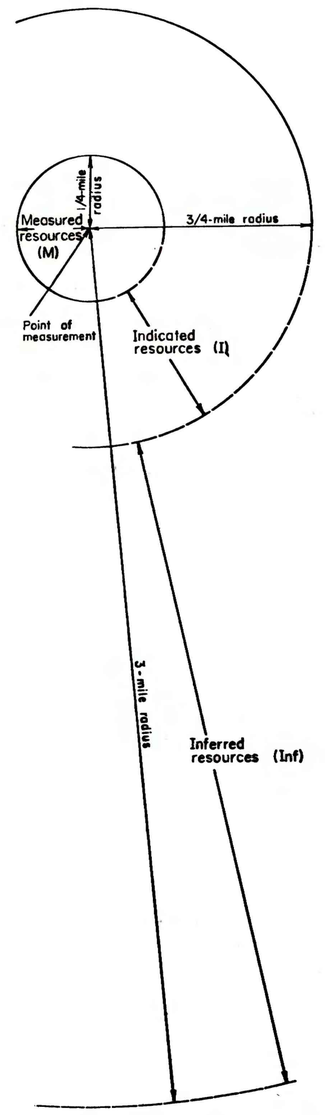
INFERRED LIMIT OF BURNED AND CLINKERED COAL - Arrow points toward area of baked and fused rock.

SL

STRIPPING-LIMIT LINE - Boundary for surface mining (in this quadrangle, the 200-foot-overburden isopach). Arrow points toward the area suitable for surface mining where the recovery factor is 85 percent, and away from the area suitable for subsurface mining (down dip to the 3,000-foot-overburden isopach) where the recovery factor is 50 percent.

RB	R(85%)	RB	R(50%)	
—	—	—	—	(Measured)
0.08	0.07	1.52	0.76	(Indicated)
—	—	—	—	(Inferred)

IDENTIFIED COAL RESOURCES - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part of section of non-leased Federal coal land, both within and beyond the stripping-limit line. Reserve (R) tonnage is calculated by multiplying the Reserve Base (RB) tonnage by the appropriate recovery factor. Dash indicates no resource in that category. Reserves have been calculated for a constant thickness of 12 feet for areas where the coal beds are more than 12 feet thick. Therefore, in some instances, underground Reserves may be less than 50 percent of the Reserve Base.



BOUNDARY LINES - Enclosing areas of measured (M), indicated (I), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

To convert short tons to metric tons, multiply short tons by 0.9072:

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.6093.

Base from U.S. Geological Survey, 1966

Compiled in 1979

SCALE 1:24 000

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

GN MN
1°49' 32 MILS
14½° 258 MILS
UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COLORADO
QUADRANGLE LOCATION

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

COAL RESOURCE OCCURRENCE MAP OF THE NINEMILE GAP QUADRANGLE, RIO BLANCO AND MOFFAT COUNTIES, COLORADO

BY

DAMES & MOORE

1979

PLATE 7

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES MAP OF THE FAIRFIELD COAL GROUP COAL BEDS [209] AND [80]