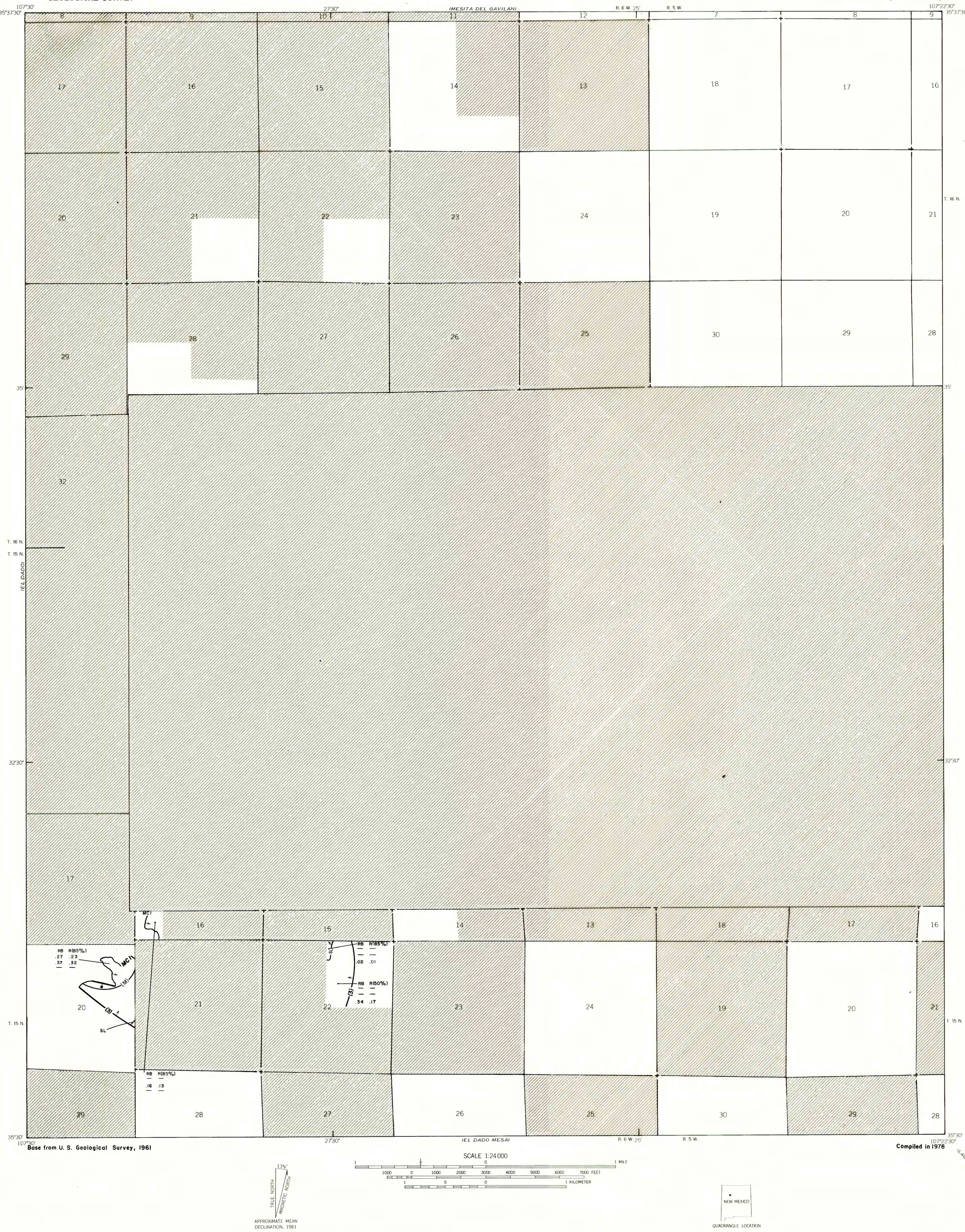
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MESA CORTADA QUADRANGLE
NEW MEXICO-MC KINLEY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-629
PLATE II OF 13

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



EXPLANATION

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

SL

STRIPPING-LIMIT LINE-Boundary for surface mining (in this quadrangle, the 200-foot overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent used within the stripping limit.

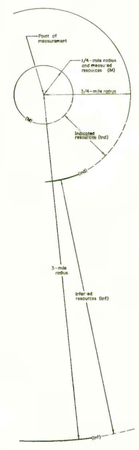
BOUNDARY OF IDENTIFIED RESERVE BASE COAL-Drawn along the coal outcrop (MC1), the 3 foot (0.9 meter) coal isopach (3), and the insufficient data line (ID). Arrow points toward area of identified Reserve Base coal.

RB	R (85%)	
.27	.23	(Measured resources)
.37	.32	(Indicated resources)
.02	.01	(Inferred resources)

IDENTIFIED COAL RESOURCES-Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section of Federal coal land within the stripping limit line. Dash indicates no resources within that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R).

RB	R(50%)	
—	—	(Measured resources)
—	—	(Indicated resources)
.34	.17	(Inferred resources)

IDENTIFIED COAL RESOURCES-Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section of Federal coal land outside the stripping limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R).



BOUNDARY LINES-Enclosed areas of measured (M), indicated (Ind) and inferred (Inf) coal resources. Diagram not to scale.

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

To convert miles to kilometers, multiply miles by 1.609.

To convert feet to meters, multiply feet by 0.3048.

FAULT-Bar and ball on downthrown side.

Base from U. S. Geological Survey, 1961

Compiled in 1978

SCALE 1:24000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

APPROXIMATE MEAN DECLINATION, 1961
TRUE NORTH
MAGNETIC NORTH
13½°

NEW MEXICO
QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE MESA CORTADA QUADRANGLE, McKINLEY COUNTY, NEW MEXICO

BY

BERGE EXPLORATION, INC.

1979

PLATE II

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES OF THE MENEFEE CLEARY NO. 1 COAL BED