

EXPLANATION

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

SL
STRIPPING-LIMIT LINE - Boundary for surface mining of the Fruitland zone A coal bed (in this quadrangle, the 200-foot (61 m) overburden is stripped). Arrow points toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

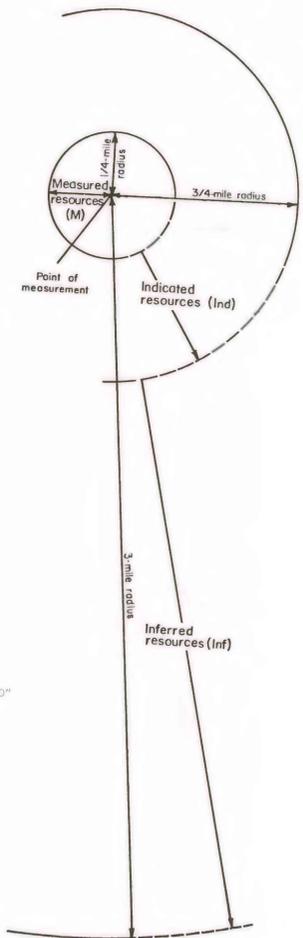
P
BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the 5-foot (1.5 m) coal thickness (1) Federal coal zone (2) and (3) and (4) boundaries. Arrow points toward area of identified Reserve Base coal.

RB	R (85%)	(Measured resources)
11.30	9.61	(Indicated resources)
---	---	(Inferred resources)

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

RB	R (50%)	(Measured resources)
2.97	1.51	(Indicated resources)
0.01	0.02	(Inferred resources)

IDENTIFIED COAL RESOURCES OF THE FRUITLAND ZONE A COAL BED - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or parcel(s) of sections 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) = Reserve (R).



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

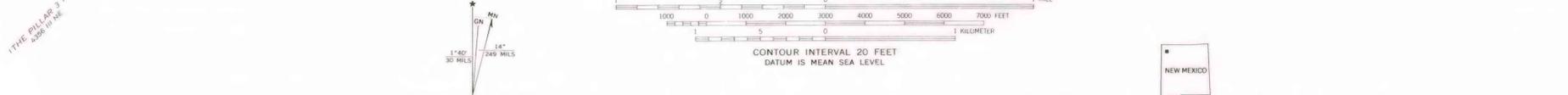
To convert short tons to metric tons, multiply short tons by 0.9072.

To convert miles to kilometers, multiply miles by 1.609.

Values given for stripplable and subsurface Reserve (R) tonnage represent RB and 50%, respectively, of the calculated Reserve Base (RB) values. Calculated Reserve Base and Reserve values have been rounded off to the nearest 10,000 tons of coal.

Base from U.S. Geological Survey, 1966

Compiled in 1979



COAL RESOURCE OCCURRENCE MAP OF THE ALAMO MESA WEST QUADRANGLE,
SAN JUAN COUNTY, NEW MEXICO

BY
DAMES & MOORE
1979

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PLATE 14
AREAL DISTRIBUTION AND IDENTIFIED RESOURCES OF THE FRUITLAND ZONE A COAL BED