

EXPLANATION

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

STRIPPING-LIMIT LINE - Boundary for surface mining of the Fruitland I coal bed (in this quadrangle, the 200-foot (61-m) overburden isopach). Arrows point toward the area suitable for surface mining. Recovery Factor of 85 percent within that area in this quadrangle.

BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the coal bed outcrop (O) where the coal is 5 feet (1.5 m) or more thick, the 3-foot (1.5-m) coal isopach (I), the ERCLA boundary (E), the Federal coal lease boundary (F), and a fault line (L). Arrow points toward area of identified Reserve Base coal.

Dashed line connects points of equal dip

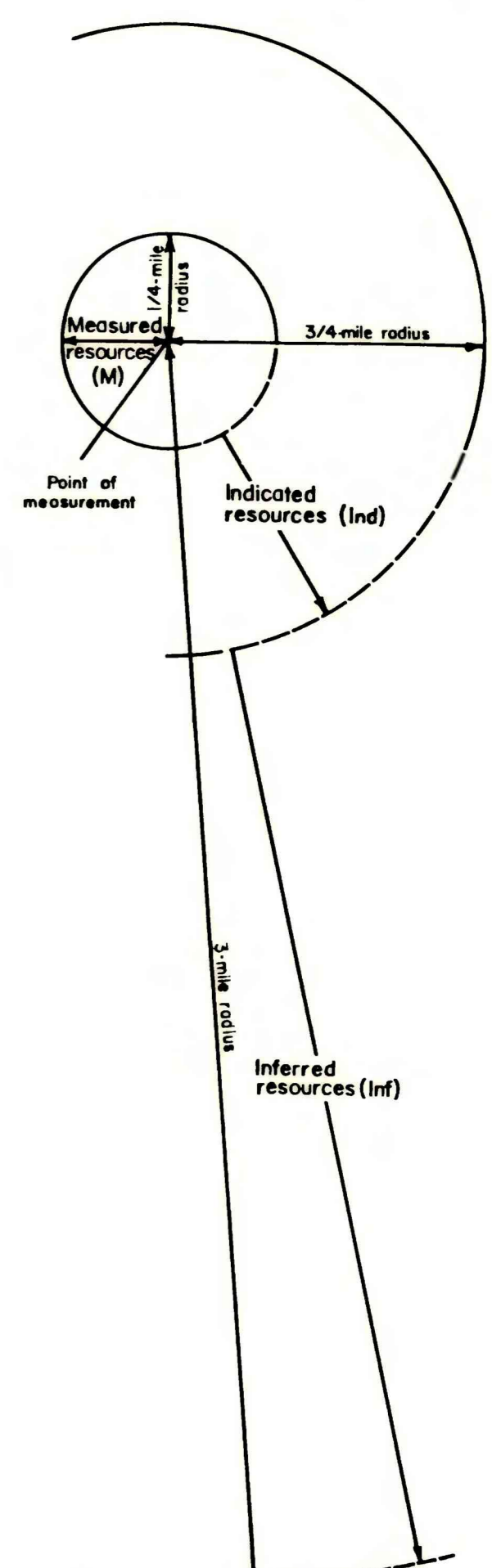
RB R (85%)
0.65 0.55 (Measured resources)
1.93 1.64 (Indicated resources)
--- (Inferred resources)

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

RB R (50%)
6.59 1.77 (Measured resources)
6.99 1.77 (Indicated resources)
0.62 0.16 (Inferred resources)

IDENTIFIED COAL RESOURCES OF THE FRUITLAND I COAL BED - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (80 percent) = Reserves (R). No Reserves calculated in parts of sections where dip is greater than 15°.

RB R (50%)
6.59 1.77 (Measured resources)
6.99 1.77 (Indicated resources)
0.62 0.16 (Inferred resources)



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.

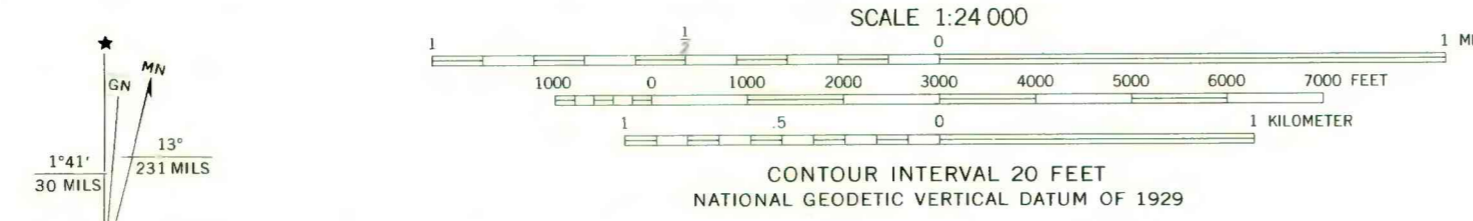
To convert miles to kilometers, multiply miles by 1.609.

Values given for stripable and subsurface Reserve (R) images represent 85% 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.

Reserve Base and Reserve values of 0.00 represent resources of less than 5,000 tons of coal.

Base from U.S. Geological Survey 1963

Compiled in 1979



**COAL RESOURCE OCCURRENCE MAP OF THE LA PLATA QUADRANGLE,
SAN JUAN COUNTY, NEW MEXICO AND LA PLATA COUNTY, COLORADO
BY
DAMES & MOORE
1979**

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PLATE 7

AREAL DISTRIBUTION AND IDENTIFIED RESOURCES OF THE FRUITLAND I COAL BED