

**EXPLANATION**

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

SL - STRIPPING-LIMIT LINE - Boundary for surface mining of the Fruitland 2 coal bed (in this quadrangle, the 200-foot [61-m] overburden thickness). Arrows point toward the area available for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

I - BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the coal bed outcrop (O) where the coal is 3 feet (1.5 m) or more thick, the 3-foot (1.5-m) coal in-situ (I), the RECA boundary (R), and a fault line (F). Arrows point toward area of identified Reserve Base coal.

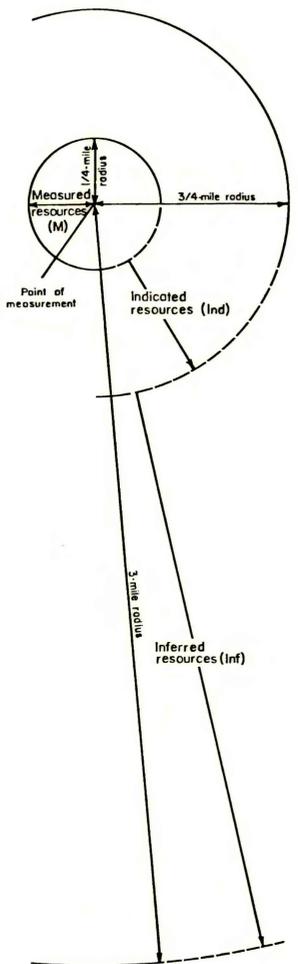
--- - Dashed line connects points of equal dip

**RB R (85%)**  
0.08 0.03 (Measured resources)  
0.04 0.03 (Indicated resources)  
--- (Inferred resources)

**IDENTIFIED COAL RESOURCES OF THE FRUITLAND 2 COAL BED** - Showing totals for Reserve Base (RB) and Reserve (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 resource in that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R).

**RB R (50%)**  
--- (Measured resources)  
0.47 0.23 (Indicated resources)  
5.27 2.84 (Inferred resources)

**IDENTIFIED COAL RESOURCES OF THE FRUITLAND 2 COAL BED** - Showing totals for Reserve Base (RB) and Reserve (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 resource in that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R). No Reserves calculated in parts of sections where dip is greater than 15°.

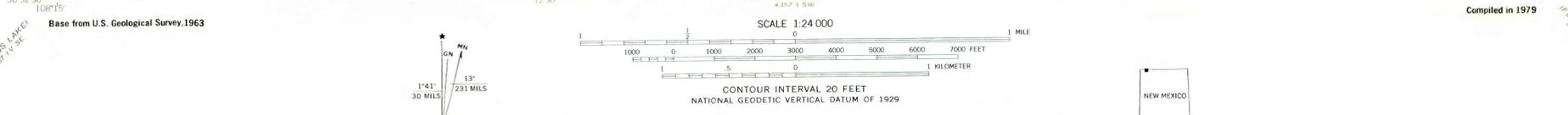


**BOUNDARY LINES** - Enclosing areas of measured (M), indicated (Ind), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

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) columns represent RB and R, 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.



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

This map was prepared under contract to the U.S. Geological Survey and has not been edited for conformity with Geological Survey editorial standards. Opinions and conclusions expressed herein do not necessarily represent those of the Geological Survey.

**PLATE II**  
AREAL DISTRIBUTION  
AND IDENTIFIED RESOURCES OF THE  
FRUITLAND 2 COAL BED