

**EXPLANATION**

NON-FEDERAL COAL LAND - Land within the RECLAIM 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 isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in the quadrangle.

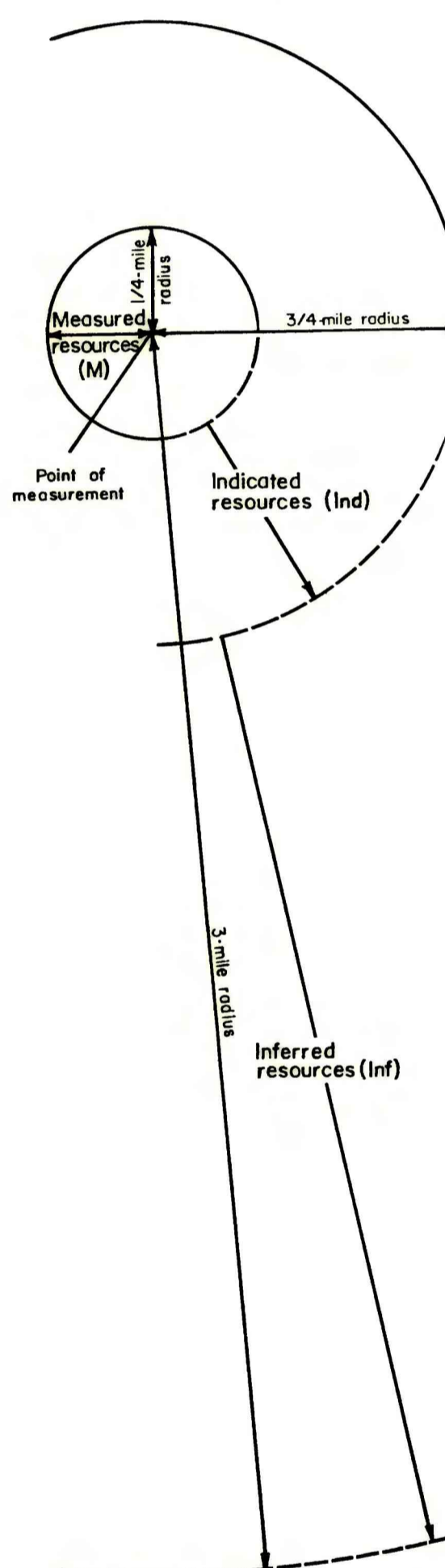
I - BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the 5-foot (1.5 m) coal isopach (I), the PELA boundary (P), and a fault line (L). Arrows point toward area of identified Reserve Base coal.

RB R (502) - (Measured resources)  
2.16 1.84 (Indicated resources)  
0.17 0.14 (Inferred resources)

IDENTIFIED COAL RESOURCES OF THE FRUITLAND 2 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 (503) - (Measured resources)  
0.30 0.15 (Indicated resources)  
0.71 0.35 (Inferred resources)

IDENTIFIED COAL RESOURCES OF THE FRUITLAND 2 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 (50 percent) = Reserves (R).



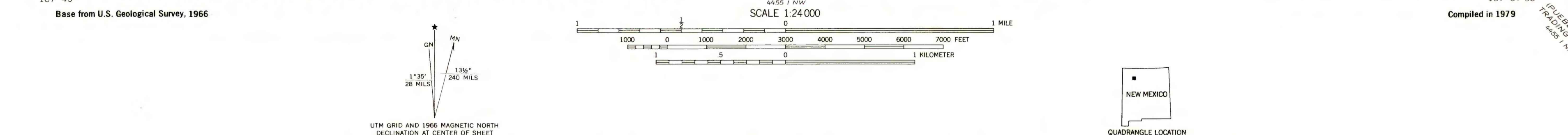
BOUNDARY LINES - Enclosing areas of measured (M), indicated (Ind), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

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 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.



**COAL RESOURCE OCCURRENCE MAP OF THE FIRE ROCK WELL QUADRANGLE,  
SAN JUAN, MC KINLEY, AND SANDOVAL COUNTIES, NEW MEXICO  
BY  
DAMES & MOORE  
1979**