

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.

STRIPPING LIMIT LINE—Boundary for surface mining (in this quadrangle, the 200 foot-61 meter-overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent used within the stripping limit.

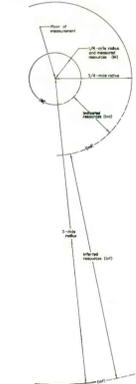
BOUNDARY OF IDENTIFIED RESERVE BASE COAL—Drawn along the coal outcrop (MC3) and the 3 foot (0.9 meter) coal isopach (3). Arrow points toward area of identified Reserve Base coal.

**RB R (85%)**  
**0.50 0.42** (Measured resources)  
**0.43 0.36** (Indicated resources)  
**0.33 0.45** (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). No reserves shown for hypothetical resources.

**RB R (50%)**  
**0.71 0.35** (Measured resources)  
**0.15 0.07** (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 within that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R). No reserves shown for hypothetical resources.



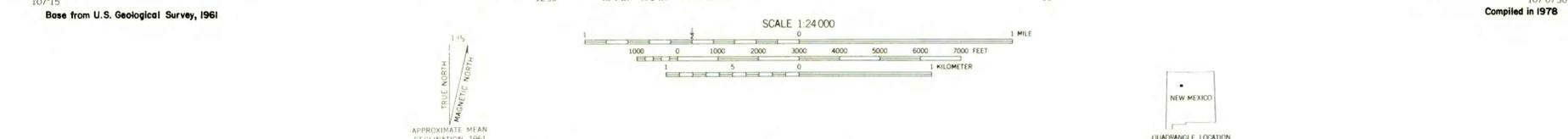
**BOUNDARY LINES**—Enclosed areas of measured (M), indicated (Ind) and inferred (Inf) coal resources. Diagram not to scale.

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

To convert miles to kilometers, multiply miles by 1.609.

**NOTE:** This plate does not show the areal distribution or quantity of subeconomic resources present in this quadrangle.

**NOTE:** BLM coal ownership data current as of Oct. 26, 1978.



**COAL RESOURCE OCCURRENCE MAP OF THE ARROYO EMPEDRADO QUADRANGLE, SANDOVAL COUNTY, NEW MEXICO**  
 BY  
**BERGE EXPLORATION, INC.**  
 1979