

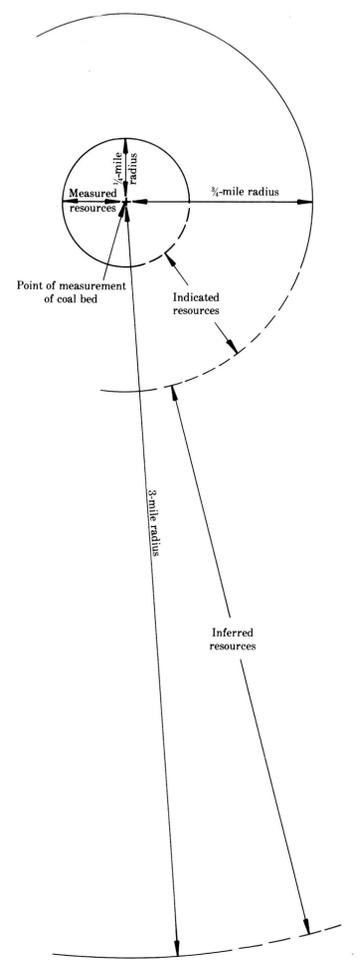
EXPLANATION

STRIPPING-LIMIT LINE—Boundary for surface mining of the coal bed (in this quadrangle, the 500-foot overburden isopach). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

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

BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick.

POINT OF MEASUREMENT ON COAL BED



RB R(85%)
— — (Measured resources)
— — (Indicated resources)
0.76 0.64 (Inferred resources)
1.30 HYP (Hypothetical resources)

IDENTIFIED AND HYPOTHETICAL COAL RESOURCES—Showing totals for Reserve Base (RB), Reserves (R), and Hypothetical (HYP) resources, in millions of short tons, for each section or part(s) of a 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(85%)
— — (Measured resources)
— — (Indicated resources)
0.70 (Inferred resources)
12.02 HYP (Hypothetical resources)

IDENTIFIED AND HYPOTHETICAL COAL RESOURCES—Showing totals for Reserve Base (RB) and Hypothetical (HYP) resources, in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

NOTE: Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line.

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

To convert miles to kilometers, multiply miles by 1.61.

To convert feet to meters, multiply feet by 0.3048.

**COAL RESOURCE OCCURRENCE MAP OF THE HALF MOON HILL QUADRANGLE,
BIG HORN COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979**