

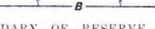
OPEN-FILE REPORT

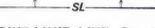
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

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EXPLANATION

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

 BOUNDARY OF RESERVE BASE COAL.—Drawn along the outcrop of coal bed or the contact between burned and unburned coal where the coal bed is 5 feet (1.5 m) or more thick, and the 5-foot (1.5-m) coal isopach. Arrows point toward area of Reserve Base coal.

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

RB	R(85%)	(Measured resources)
10	085	(Indicated resources)
18	15	(Inferred resources)
---	---	(No resources)

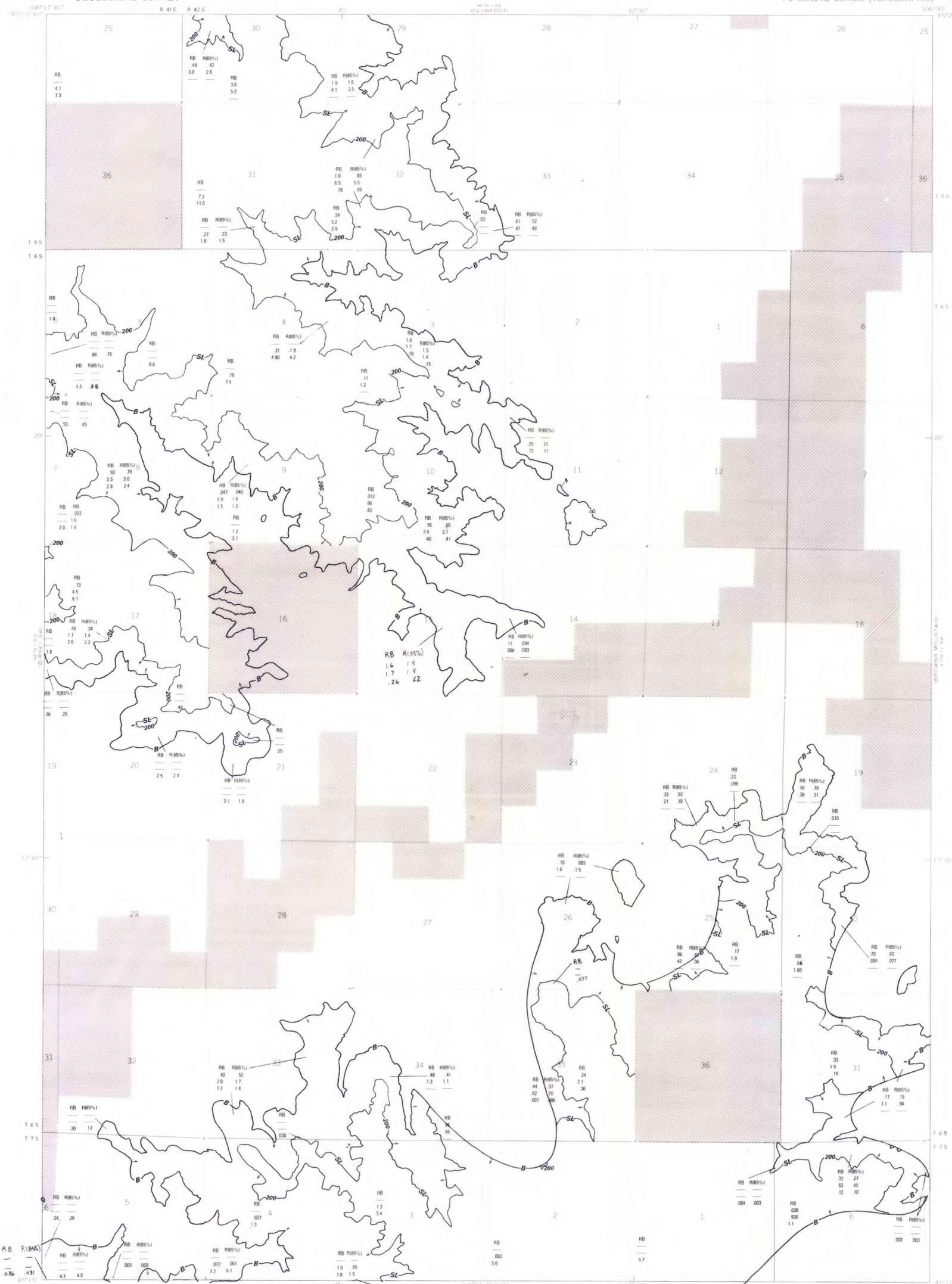
IDENTIFIED STRIPPABLE COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R). Rounded to two significant figures.

RB	R(85%)	(Measured resources)
72	---	(Inferred resources)

IDENTIFIED NONSTRIPPABLE COAL RESOURCES—Showing totals for Reserve Base (RB), in millions of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Rounded to two significant figures.

Recovery factors have not been established for underground development of the coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line where the overburden thickness exceeds 200 feet (61 m).

To convert short tons to metric tons multiply short tons by 0.907.



COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS
OF THE BIRNEY QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY
W. J. MAPEL AND B. K. MARTIN
1978

PLATE 13
IDENTIFIED RESOURCES
OF THE WALL COAL BED