

**OPEN-FILE REPORT**  
This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.  
**OPEN-FILE REPORT 78-652**

PLATE 63 OF 64

**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 1,000-foot (305 m) overburden isopach and the arc 3 miles (4.8 km) from nearest complete measurement of coal bed. Arrows point toward area of Reserve Base coal.

RB (Measured resources)  
— (Indicated resources)  
475 (Inferred resources)

**IDENTIFIED NON-STRIPPABLE COAL RESOURCES**--Showing totals for Reserve Base (RB), 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.

Coal resources in partial sections along eastern margin of quadrangle are included in totals of adjacent sections to the west.

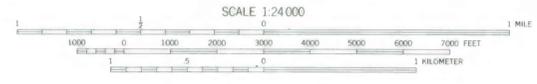
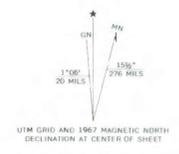
Recovery factors have not been established for underground development of coal in this quadrangle. Therefore, Reserves (R) were not calculated for the coal bed in areas outside the stripping-limit line where the overburden thickness exceeds 200 feet (61 m).

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

**COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS  
OF THE PINE BUTTE SCHOOL QUADRANGLE, BIG HORN COUNTY, MONTANA**

By  
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PLATE 63  
**IDENTIFIED RESOURCES OF  
THE BREWSTER-ARNOLD  
COAL BED**



Base from U.S. Geological Survey, 1967

Compiled in 1977