

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

INDEX NUMBER OF MEASURED SECTION SHOWN ON PLATE 3 OF CRO MAP—Coal section measured at point of triangle.

LINE OF COMPOSITE SECTION—Showing index number of section shown on plate 3 of CRO map. Composite section is based on nearby coal bed thickness measurements.

OIL AND GAS TEST HOLE—Showing index number of hole shown on plate 3 of CRO map and drill-hole data, in feet.

OIL AND GAS TEST HOLE—Showing drill-hole data, in feet.

COAL TEST HOLE—Showing index number of hole shown on plate 3 of CRO map, and drill-hole data, in feet.

- GL—Ground elevation
- NR—No record
- R—Rock interval
- C—Coal interval
- TD—Total depth

DRILL-HOLE DATA SYMBOLS

- Cy—Canyon
- Ch—Upper Cook
- L—Locat
- No. 5—Number 5 bed
- Pe—Pownee
- Ca—Cache
- Br—Broadus
- Ct—Contact

COAL BED SYMBOLS AND NAMES

- 11.6+ (5)
- C 0.1
- R 6.0
- C 2.8 (1)

TRACE OF COAL BED OUTCROP—Dashed where approximately located; short dashed where inferred. Showing thickness of coal, or coal-rock intervals, in feet, measured at triangle. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and net partings thickness (lower number). Letters designate the name of the coal bed as listed above. Arrows point toward coal-bearing area. Trace of coal outcrop has been modified from Bryson and Bass (1973, pl. 1) and Matson and Blumer (1973, pl. 18) to fit modern topographic map.

STRIKE AND DIP OF BED



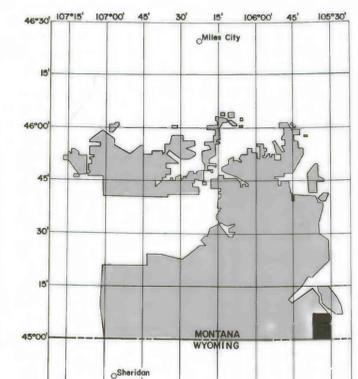
BURNED AND CLINKERED COAL BED—Showing area of baked and fused rock (v symbol). Dotted line indicates the inferred limit of burning.

COAL MINE—Showing mine name and thickness of coal bed, in feet.

To convert feet to meters, multiply feet by 0.3048.

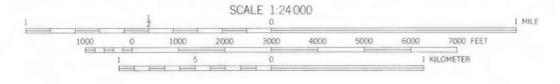
REFERENCES FOR NONINDEXED DATA POINTS

Bryson, R.P., and Bass, N.W., 1973. Geology of Moorhead coal field, Powder River, Big Horn and Rosebud Counties, Montana. U.S. Geol. Survey Bull. 1338, 116 p.
Matson, R.E., and Blumer, J.W., 1973. Quality and reserves of strippable coal, selected deposits, southeastern Montana. Mont. Bur. Mines and Geol. Bull. 91, 135 p.

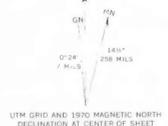


INDEX MAP—Showing location of the Bay Horse quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana and Wyoming.

Base map from U.S. Geological Survey, 1970



Compiled in 1977



**COAL RESOURCE OCCURRENCE MAP OF THE BAY HORSE QUADRANGLE,
POWDER RIVER COUNTY, MONTANA AND CAMPBELL COUNTY, WYOMING
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979**