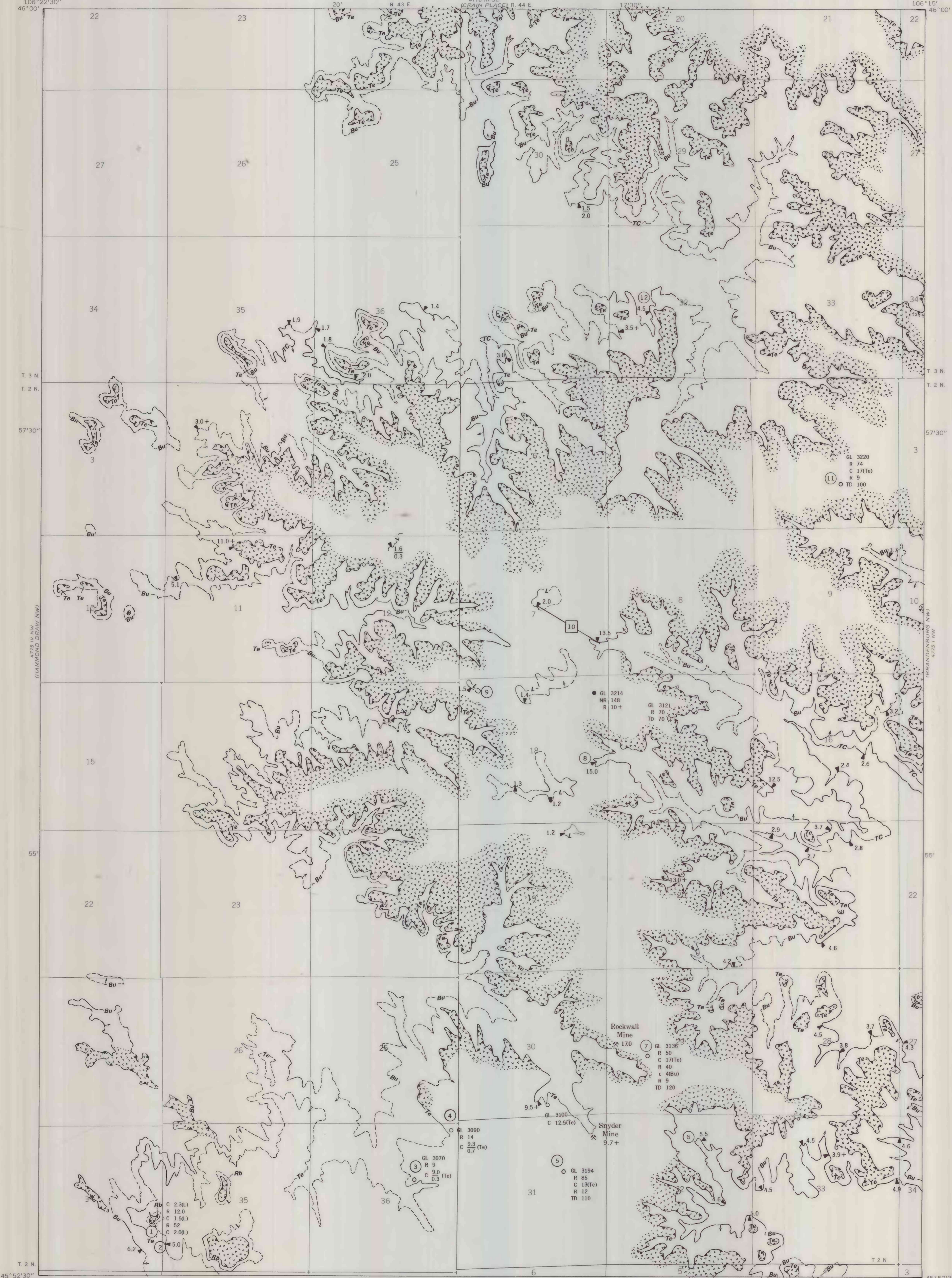
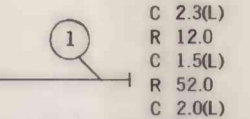


This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

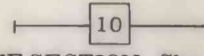


EXPLANATION

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



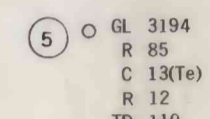
LINE OF MEASURED SECTION - Showing index number of section shown on plate 3 of CRO map and coal-rock thickness data, in feet.



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

GL 3214  
NR 148  
R 10+

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



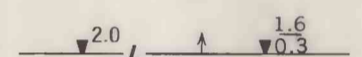
COAL TEST HOLE - Showing index number of hole on plate 3 of CRO map and drill hole data, in feet.

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

DRILL-HOLE DATA SYMBOLS

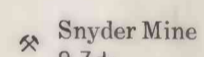
Rb - Rosebud  
L - Local  
Te - Terret  
Bu - Burley  
TC - Trail Creek

COAL BED SYMBOLS AND NAMES



TRACE OF COAL BED OUTCROP - Dashed where approximately located; short dashed where inferred. Showing thickness of coal, in feet, measured at triangle. Where a thickness fraction is shown, it indicates the net coal thickness (upper number) and the net partings thickness (lower number). Letters designate the name of the coal bed as listed above. Arrow points toward the coal-bearing area. Trace of coal outcrop has been modified from Pierce (1986, pl. 11) and Matson and Blumer (1973, pl. 22) to fit modern topographic map.

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.

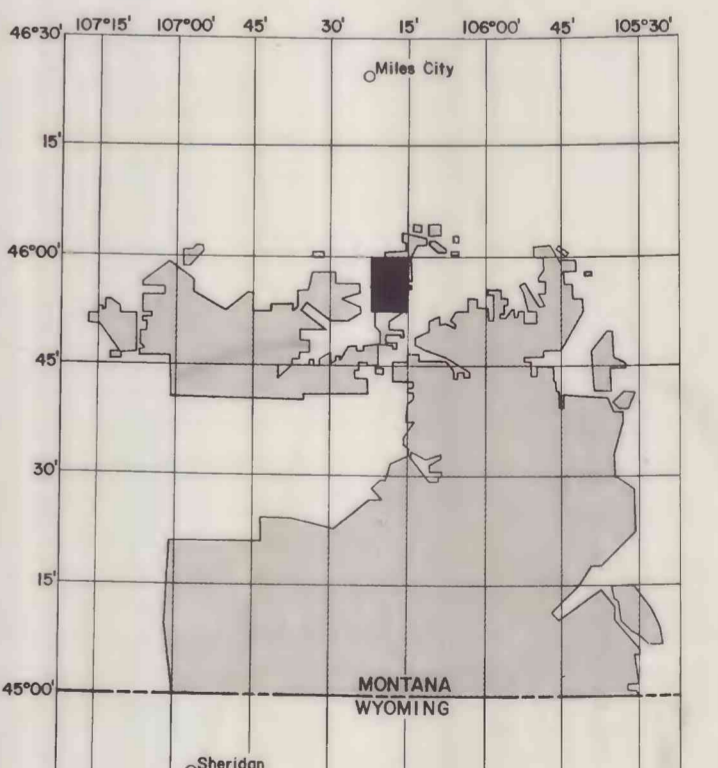
To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS

Kepferle, R. C., 1954, Selected deposits of strippable coal in central Rosebud County, Montana: U.S. Geol. Survey Bull. 995-1, p. 333-381.

Matson, R. E. and Blumer, J. W., 1973, Quality and reserves of strippable coal, selected deposits, southeastern, Montana: Montana Bureau of Mines and Geol. Bull. 91, 135 p.

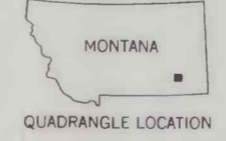
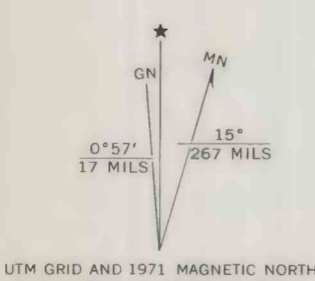
Pierce, W. G., 1986, The Rosebud coal field, Rosebud and Custer Counties, Montana: U.S. Geol. Survey Bull. 847-B, p. 43-120.



INDEX MAP - Showing location of the John Hen Creek quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana

MITCHELL CORNER  
 106° 46' 00"  
 45° 52' 30"  
 HAMMOND DRAW SW  
 4775 IV NW  
 4775 IV SE  
 HAMMOND DRAW NW  
 4775 IV NW  
 4775 IV SE  
 GRANDENGEUS NW  
 4775 I NW  
 GRANDENGEUS SW  
 4775 I SW  
 HAMMOND DRAW SW  
 4775 IV NW  
 4775 IV SE

Base map from U.S. Geological Survey, 1971



COAL RESOURCE OCCURRENCE MAP OF THE JOHN HEN CREEK  
QUADRANGLE, ROSEBUD COUNTY, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1978

Compiled in 1977