

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

EXPLANATION

⑤

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

— 7 —

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.

⑧

GL 4069  
NR 318  
R 78  
C 7 (R)  
R 91  
C 15 (R)  
R 71  
C 48 (W)  
R 43

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

⑩

GL 3945  
R 12  
R 63  
R 195  
C 20 (R)  
R 50

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  
RR—Red rock  
C—Clinker  
R—Rock interval  
C—Coal interval  
TD—Total depth

DRILL-HOLE DATA SYMBOLS

Ro—Roland of Baker (1929)  
L—Local  
Sm—Smith  
An—Anderson (Dietz 1)  
D<sub>1</sub>—Dietz 2  
D<sub>2</sub>—Dietz 3  
Cy—Canyon  
Ck—Cook  
W—Wall  
BA—Brewster-Arnold  
K—King

COAL BED SYMBOLS AND NAMES

C 1.3 (R)  
R 3.7  
C 5.6 (R)  
C 2.0 (R)

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 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 Baker (1929, pl. 28) and Matson and Blumer (1973, pls. 1 and 5, A,B,C) to fit modern topographic map.

34°  
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.

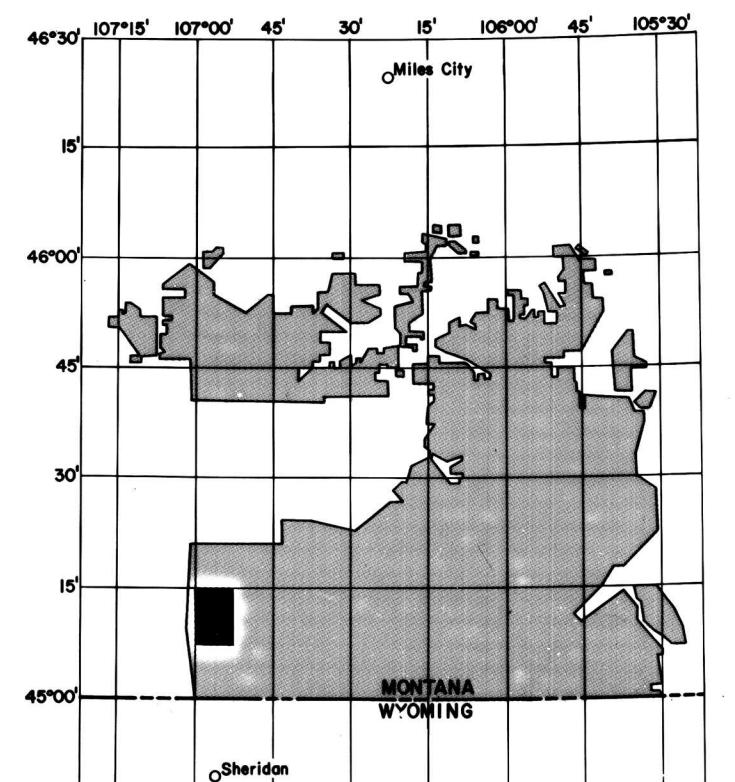
U  
D  
FAULT—Dashed where approximately located. U, up-thrown side; D, downthrown side.

COAL PROSPECT—Showing coal thickness, in feet.

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

To convert feet to meters, multiply feet by 0.3048.

REFERENCES FOR NONINDEXED DATA POINTS  
Baker, A.A., 1929, The northward extension of the Sheridan Coal Field, Big Horn and Rosebud Counties, Montana, U.S. Geol. Survey Bull. 806, Pt. 2, p. 15-67.  
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.



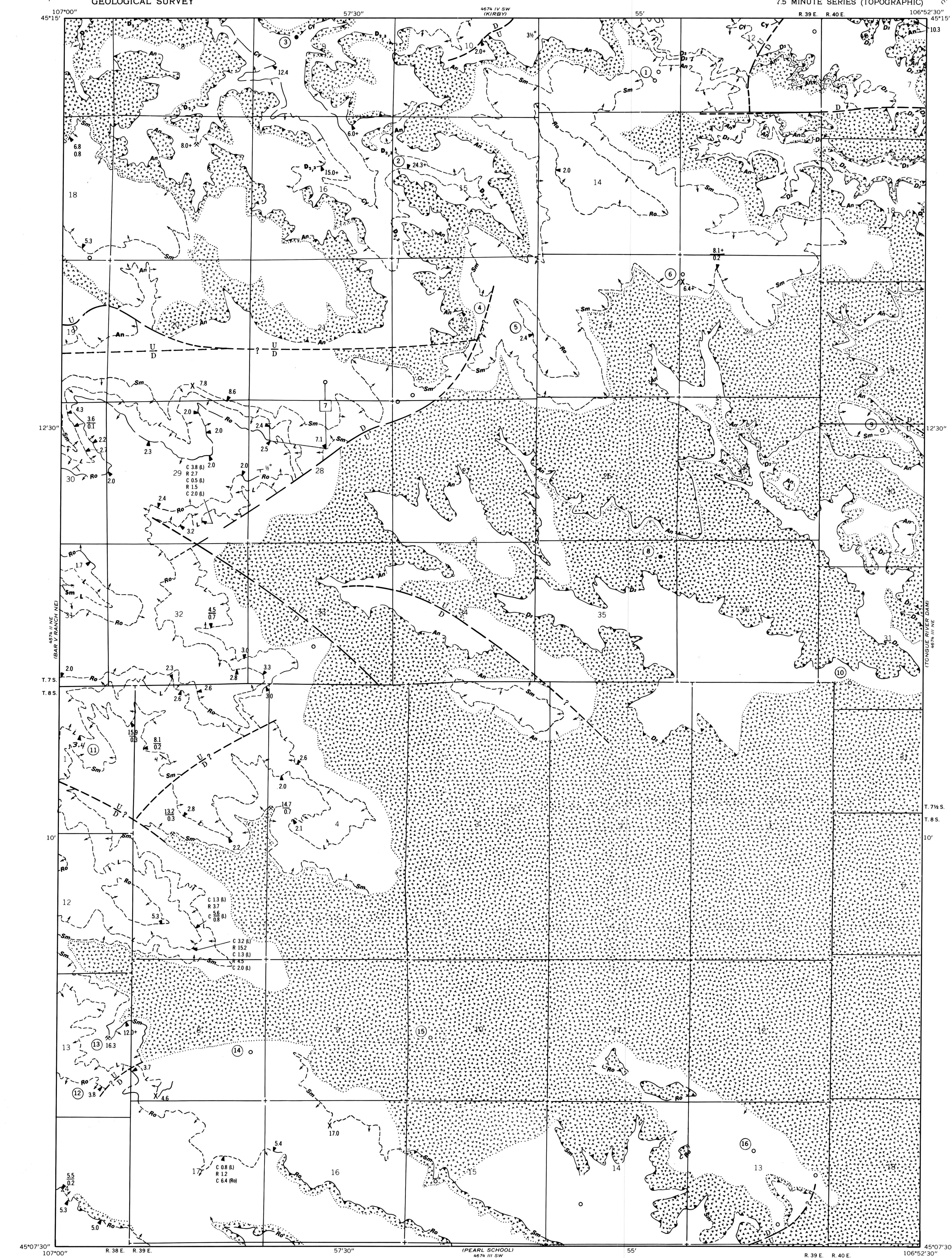
INDEX MAP—Showing location of the Half Moon Hill quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana.

SEE PLATE 1B FOR DRILL HOLE DATA.

COAL RESOURCE OCCURRENCE MAP OF THE HALF MOON HILL QUADRANGLE,  
BIG HORN COUNTY, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979

PLATE 1A  
COAL DATA MAP



Base map from U.S. Geological Survey, 1967

(PEARL SCHOOL)  
SCALE 1:24,000

Compiled in 1977

