

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

SEE PLATE 1B FOR DRILL HOLE DATA.

EXPLANATION

- 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

- Ga—Garfield  
Al—Alderson  
L—Local  
Cy—Canyon  
Ck<sub>1</sub>—Lower Cook  
Ot—Otter  
W—Wall  
Pa—Pawnee  
O—Odell  
Ki—King  
L/Kn—Local above Knobloch  
Kn—Knobloch  
Kn<sub>1</sub>—Upper Knobloch  
Kn<sub>2</sub>—Lower Knobloch  
N—Nance  
F-G—Flowers-Goodale  
T—Terret

COAL BED SYMBOLS AND NAMES

- C 102 (W)  
R 17  
R 100  
C 26 (L)

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. Arrow points toward coal-bearing area. Trace of  
coal outcrop has been modified from Warren, W.C.  
(1959, pl. 19), and Matson and Blumer (1973, pl. 11b) 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.

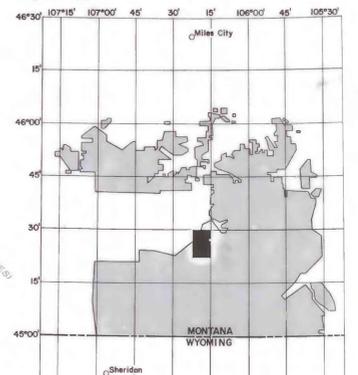
COAL MINE—Showing thickness of coal bed, in feet.

To convert feet to meters, multiply feet by 0.3048.

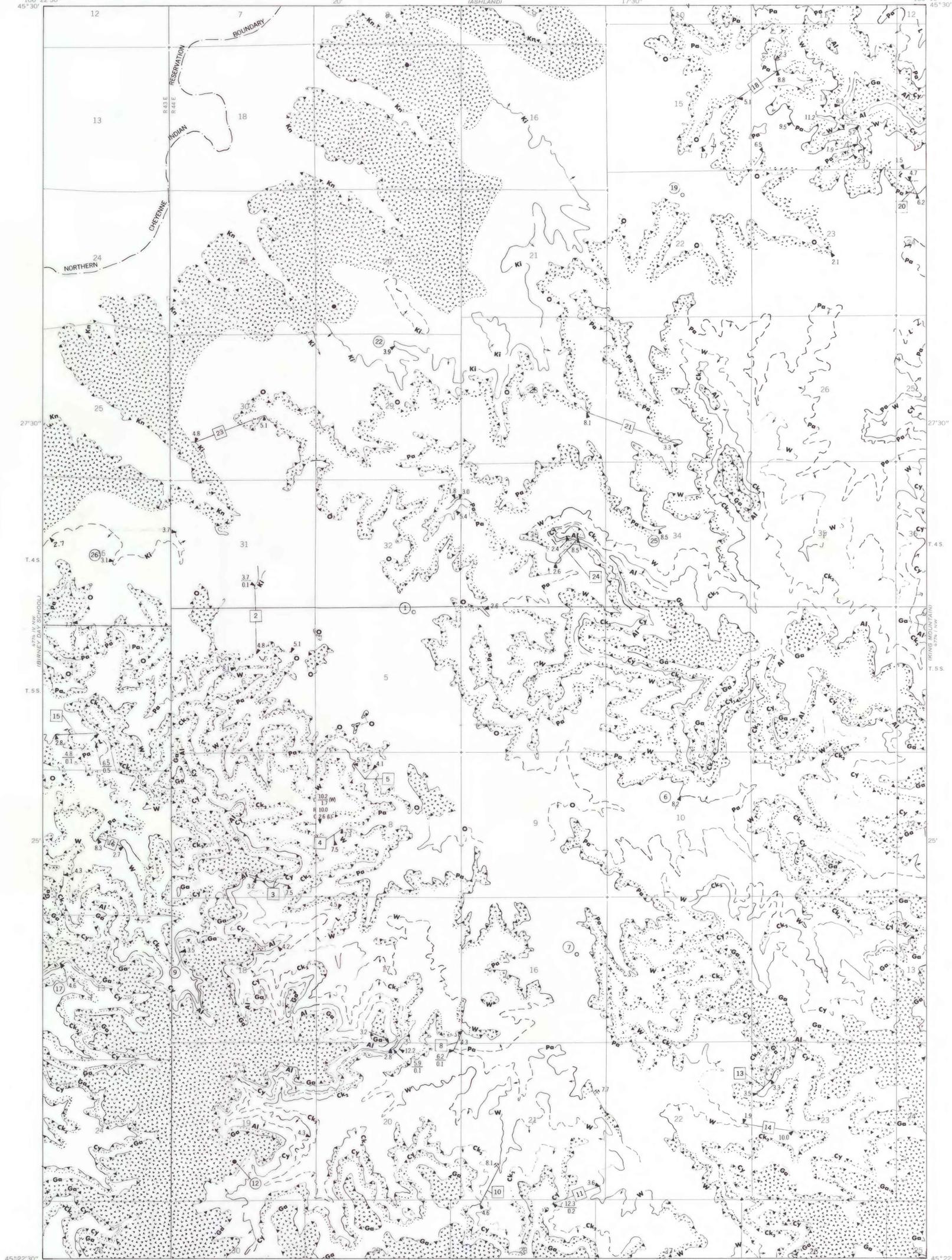
REFERENCES FOR NONINDEXED DATA POINTS

MATSON, R.E., and BLUMER, J.W., 1973. Quality and  
reserves of strippable coal, selected deposits, south-  
eastern Montana. Mont. Bur. Mines and Geol. Bull. 91,  
135 p. [Original logs of drill holes were released as  
Montana Bureau of Mines and Geology open-file reports  
(and as an appendix to Bull. 91) which contain more  
complete information than is shown in their Bull. 91.]

WARREN, W.C., 1959. Reconnaissance geology of the  
Birney-Broadus coal field, Rosebud and Powder River  
Counties, Montana: U.S. Geol. Survey Bull. 1072-J,  
p. 561-585.



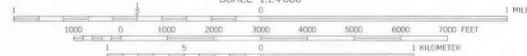
INDEX MAP—Showing location of the Green Creek  
quadrangle and the Northern Powder River Basin  
Recoverable Coal Resource Area (stippled), Montana



Base map from U.S. Geological Survey, 1966

POKER JIM BUTTE  
475 W SE  
SCALE 1:24,000

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE GREEN CREEK QUADRANGLE,  
ROSEBUD COUNTY, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979