

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

EXPLANATION

INDEX NUMBER OF MEASURED SECTION SHOWN
ON PLATE 3 OF CRO MAP—Showing index
number of 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 8 of CRO map.
Composite section is based on nearby coal bed thickness
measurements.

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

COAL TEST HOLE—Showing index number of hole shown
on plate 8 of CRO map, and drill-hole data, in feet.

g—Ground elevation
NR—No record
F—Rock interval
C—Coal interval
T—Total depth

DRILL-HOLE DATA SYMBOLS

C and D—C and D coal bed
Sa—Sawyer
L—Local
Kn—Knobloch
LC—Lay Creek
F-G—Flowers-Goodale
Te—Terret

COAL BED SYMBOLS AND NAMES

9.6 C 18+(L)
8.1 R 90
0.5 C 9.2 (Kn)

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 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 Bass
(1932, pl. 3), Matson and Blumer (1973, pl. 29) 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.

POPE MINE
9.9
3.3

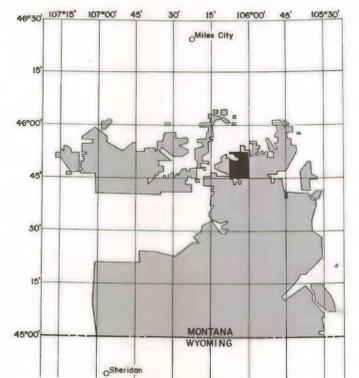
COAL MINE—Showing mine name and coal thickness, in feet.

To convert feet to meters, multiply feet by 0.3048.

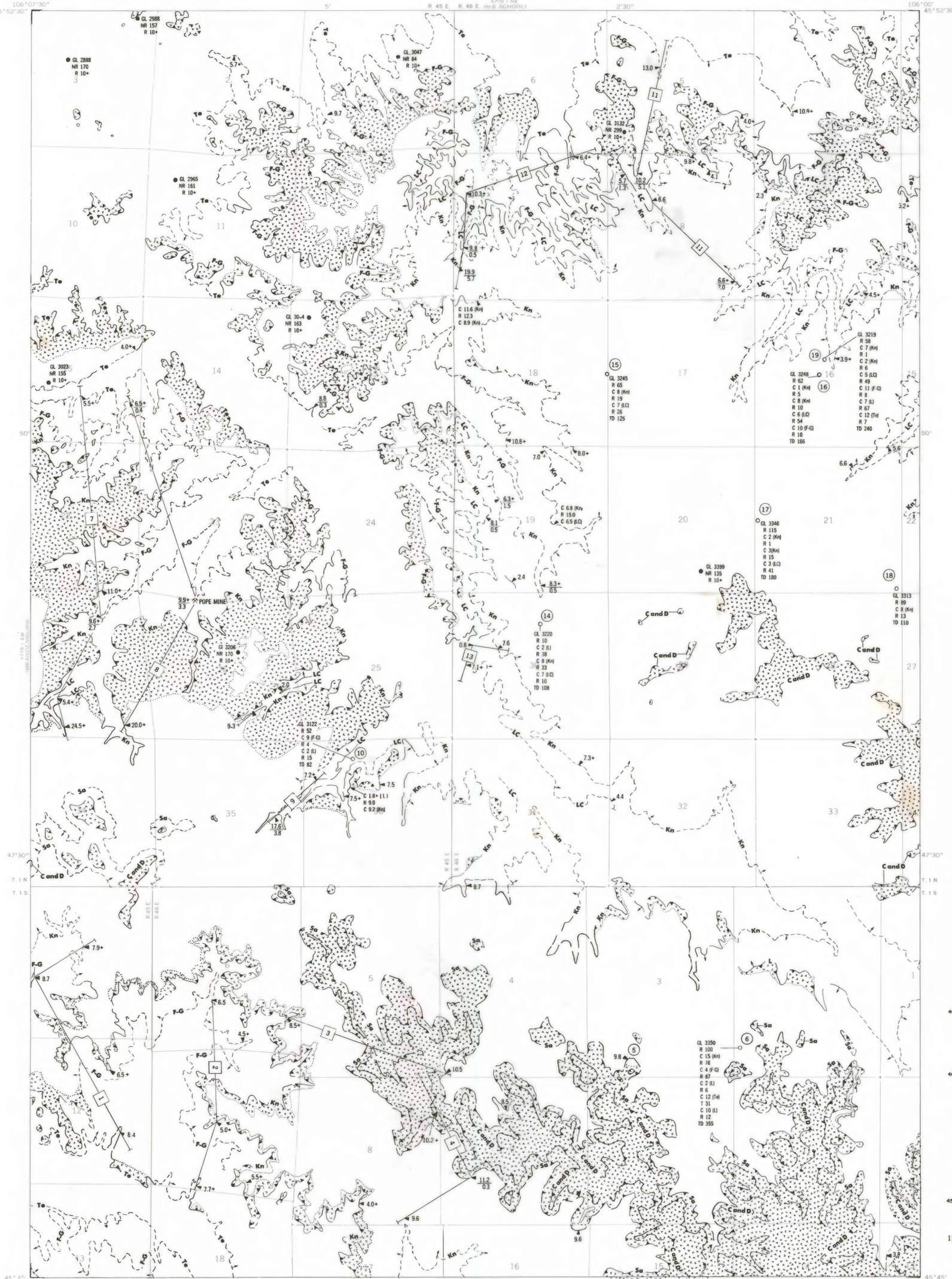
REFERENCES FOR NONINDEXED DATA POINTS

BASS, N. W., 1932, The Ashland coal field, Rosebud, Powder
River, and Custer Counties, Montana: U.S. Geol. Survey
Bull. 831-B, p. 19-105.

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.]



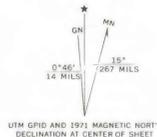
INDEX MAP—Showing location of the Hayes Point
quadrangle and the Northern Powder River Basin Known
Recoverable Coal Resource Area (stippled), Montana



Base map from U.S. Geological Survey, 1971

SCALE 1:24,000

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE HAYES POINT QUADRANGLE,
CUSTER AND POWDER RIVER COUNTIES, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979