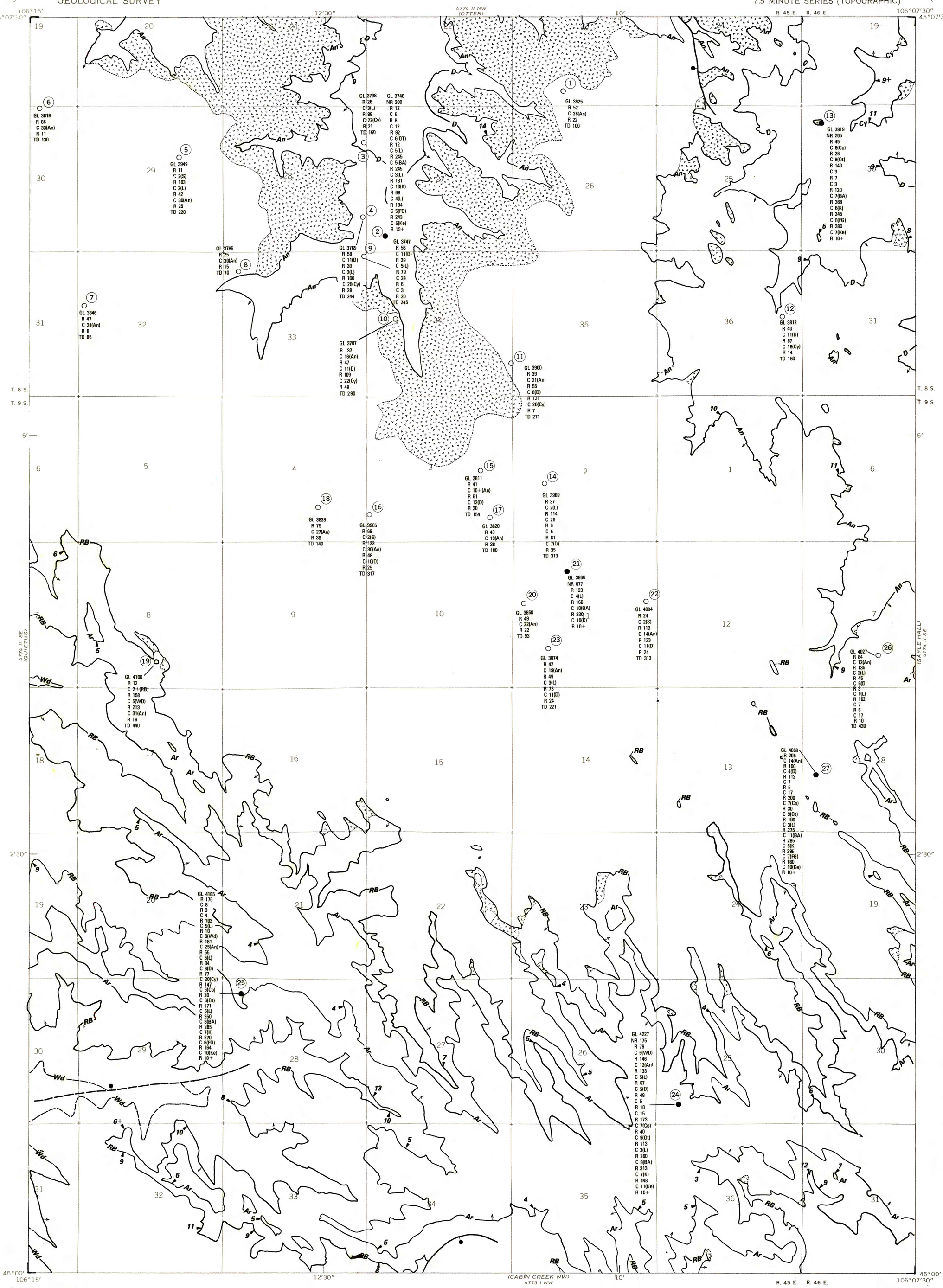
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BEAR CREEK SCHOOL QUADRANGLE
MONTANA—POWDER RIVER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-106
PLATE 1 OF 59



Base from U.S. Geological Survey, 1969

Compiled in 1977

SCALE 1:24 000

1 MILE — 7000 FEET — 1 KILOMETRE

UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

OPEN-FILE REPORT

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

EXPLANATION

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

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

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

DRILL-HOLE DATA SYMBOLS

Ar--Arvada
RB--Roland of Baker (1929)
Wd--Waddle
S--Smith
An--Anderson
D--Dietz
L--Local
Cy--Canyon
Co--Cook
Ot--Otter
BA--Brewster-Arnold
K--Knobloch
FG--Flowers-Goodale
Ke--Kendrick

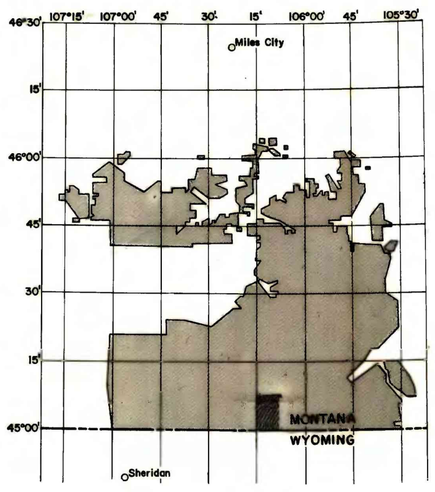
COAL BED SYMBOLS AND NAMES

TRACE OF COAL BED OUTCROP--Showing thickness of coal in feet, measured at triangle. Letters identify the name of the coal bed as listed above. Arrow points toward the coal-bearing area. Plus (+) sign after number indicates incomplete measurement.

CLINKER--Showing rock that is baked and fused by the heat from burning of the underlying coal bed (v symbol). Solid line is the base of the clinker. Dotted line is the inferred surface trace of the edge of the burned coal.

FAULT--Ball on downthrown side.

To convert feet to meters, multiply feet by 0.3.



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

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE BEAR CREEK SCHOOL QUADRANGLE, POWDER RIVER COUNTY, MONTANA

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1979

PLATE 1
COAL DATA MAP