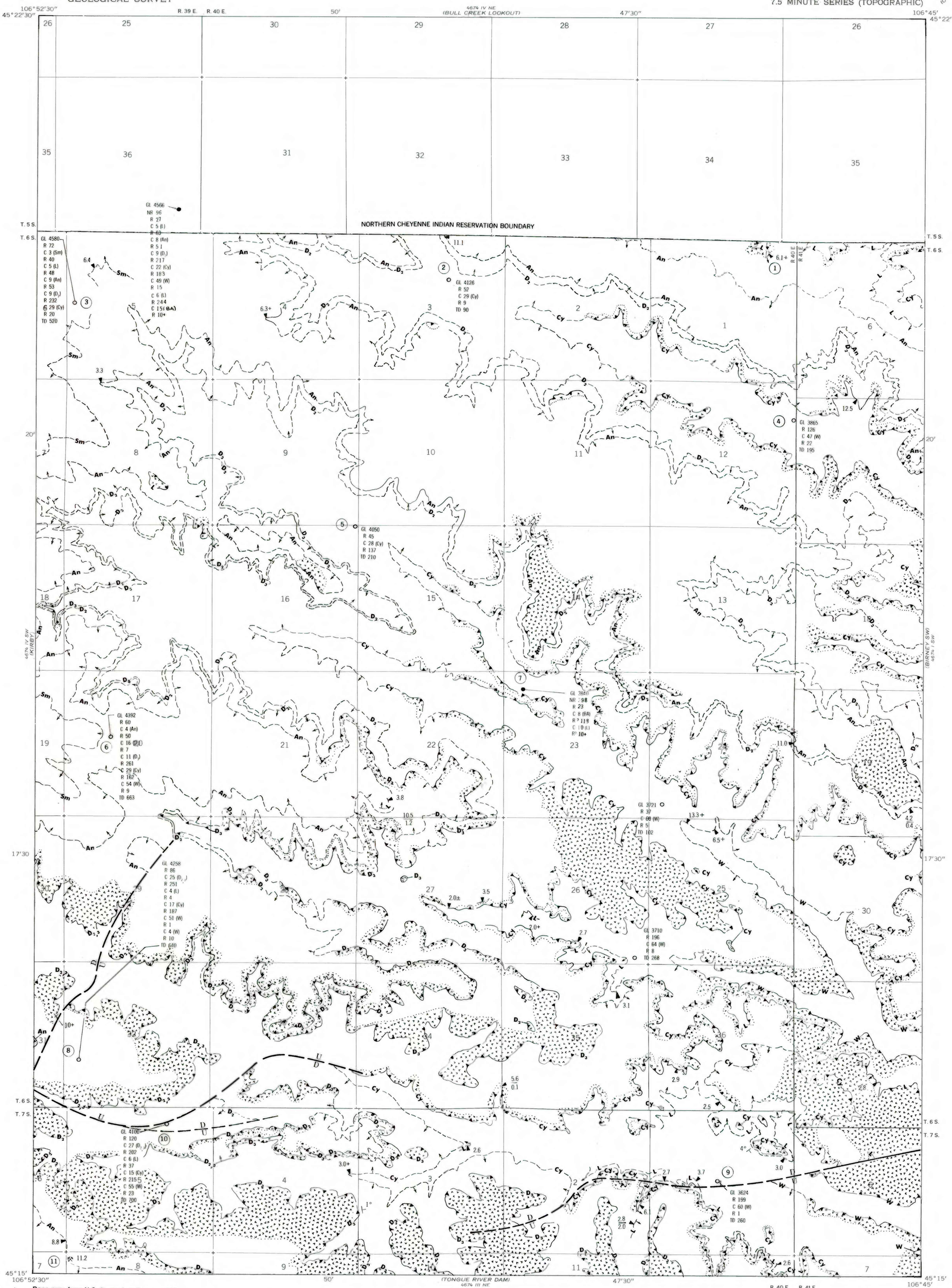
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TAINTOR DESERT QUADRANGLE
MONTANA
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-779
PLATE 1 OF 27



Base map from U.S. Geological Survey, 1967

UTM GRID AND 1967 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

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

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
R?— Rock, occurrence of coal undeterminable
TD— Total depth

DRILL-HOLE DATA SYMBOLS

Sm—Smith
L—Local
An—Anderson (Dietz 1)
D_2—Dietz 2
D_3—Dietz 3
Cy—Canyon
W—Wall
BA—Brewster-Arnold

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 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, A.A. (1929, pl. 28) and Matson and Blumer (1973, pl. 5A, 5B, and pl. 6) to fit modern topographic map.

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.

FAULT—Dashed where approximtately located. U, upthrown side; D, downthrown side.

COAL PROSPECT—Showing coal thickness, in feet.

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

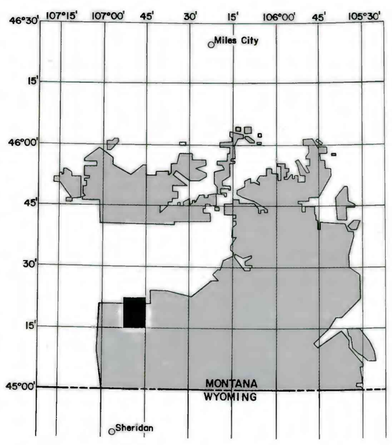
To convert feet to meters, multiply feet by 0.3048.

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.

Montana Bureau of Mines and Geology, 1977, Open File Report.



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

COAL RESOURCE OCCURRENCE MAP OF THE TAINTOR DESERT QUADRANGLE, BIG HORN AND ROSEBUD COUNTIES, MONTANA

BY

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1979

PLATE 1

COAL DATA MAP