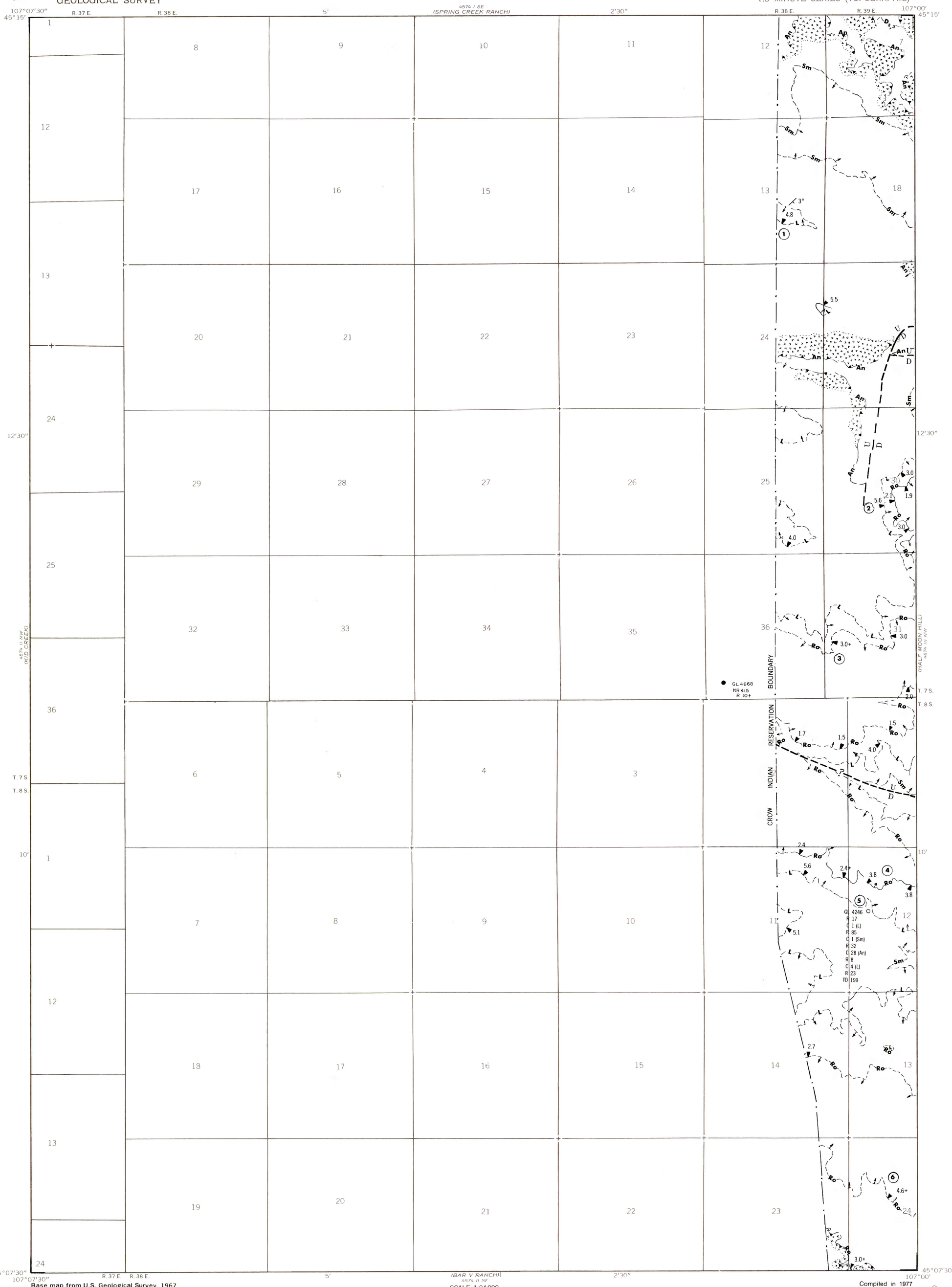
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BAR V RANCH NE QUADRANGLE
MONTANA—BIG HORN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-644
PLATE 1 OF 26



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.

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

GL— Ground elevation
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)
$D_{2,3}$—Dietz 2 and 3

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. 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 and 5B) 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.

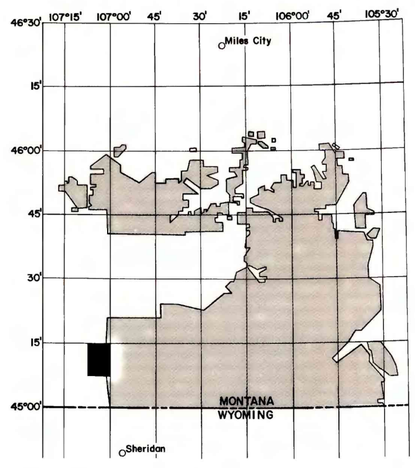
FAULT—Dashed where approximtately located. U, upthrown side; D, downthrown side.

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.

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



INDEX MAP—Showing location of the Bar V Ranch NE quadrangle and the Northern Powder River Basin Known Recoverable Coal Resource Area (stippled), Montana

COAL RESOURCE OCCURRENCE MAP OF THE BAR V RANCH N E QUADRANGLE, BIG HORN COUNTY, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979

PLATE 1

COAL DATA MAP