

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

EXPLANATION

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

(3) O GL 4012  
R 237  
C 53 (6, 7)  
R 87  
C 13 (6v)  
R 4  
C 2 (4)  
R 184  
TD 580

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

Ro—Roland  
Sm—Smith  
An—Anderson  
D<sub>2</sub>—Dietz 2 and 3  
Cy—Canyon  
L—Local

COAL BED SYMBOLS AND NAMES

58 114 16  
Ro Sm

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 thick-  
ness (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, R.E. and  
Blumer J.W. (1973, pl. 1) 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.

U  
D

FAULT—Dashed where approximately located. U, up-  
thrown side; D, downthrown side.

REFERENCES FOR NONINDEXED DATA POINTS

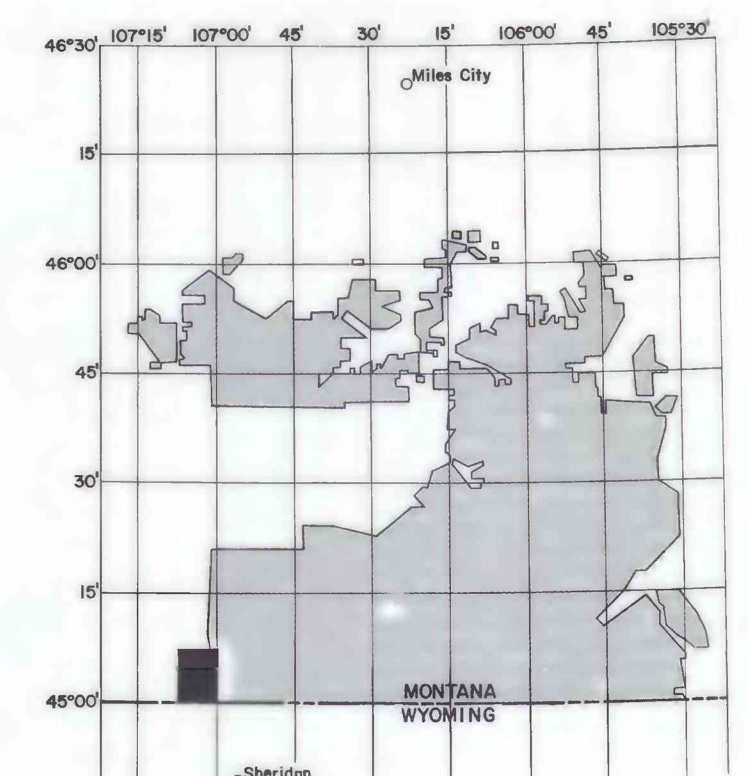
BAKER, A.A. 1929. The northward extension of the  
Sheridan coal field, Big Horn and Rosebud Counties,  
Montana. U.S. Geol. Survey Bull. 806, Pt. 2, p. 15-67.

GALYARDT, G.L. and MURRAY, F.N. Geologic map and  
coal deposits of Pearl School quadrangle and eastern  
portion of Bar V Ranch quadrangle, Big Horn County,  
Montana. U.S. Geol. Survey. (Unpublished report.)

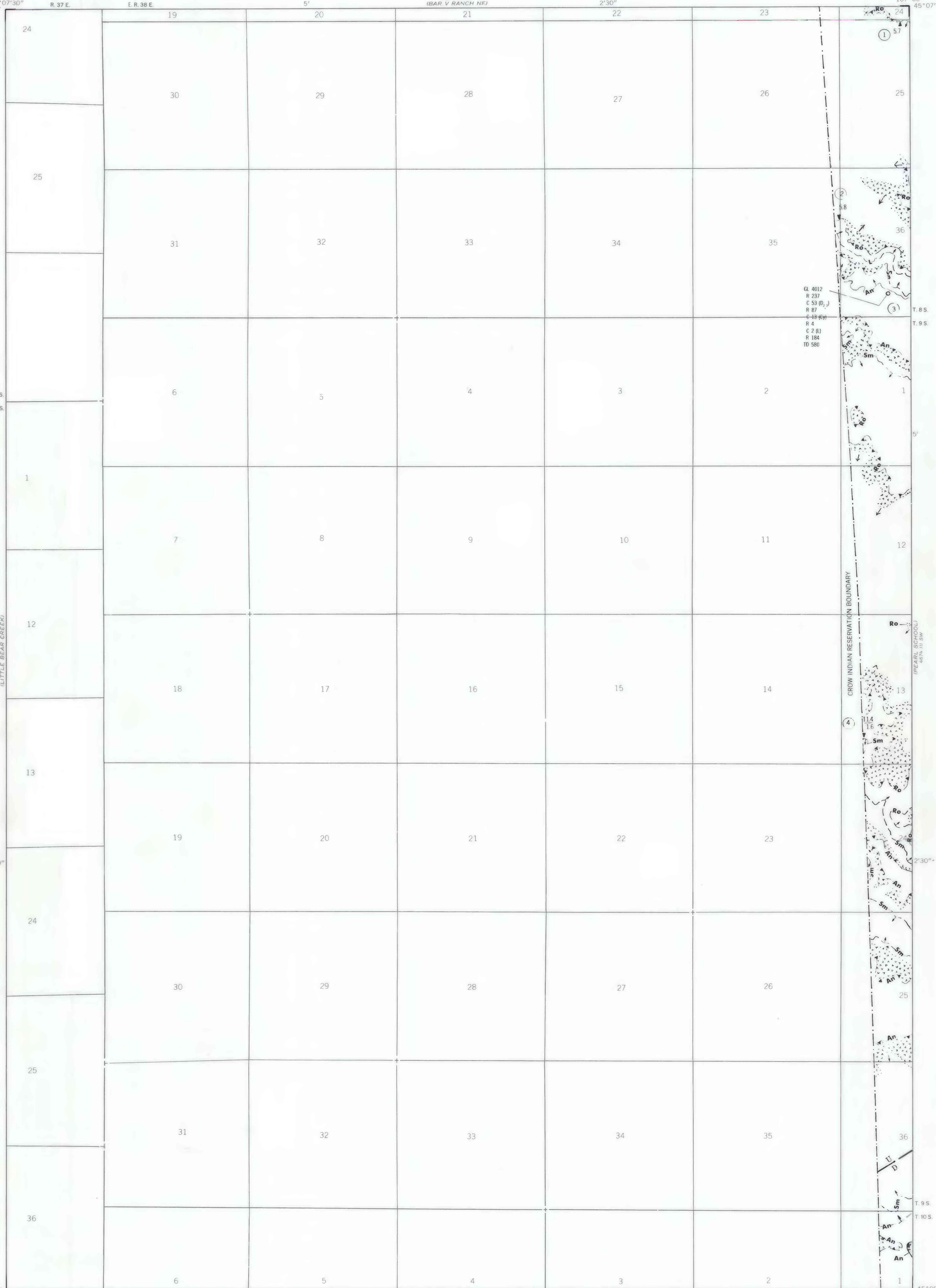
MATSON, R.E., and BLUMER, J.W. 1973. Quality and  
reserves of strippable coal, selected deposits, south-  
eastern Montana. Mont. Bur. Mines and Geol. Bull. 91,  
135 p.

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

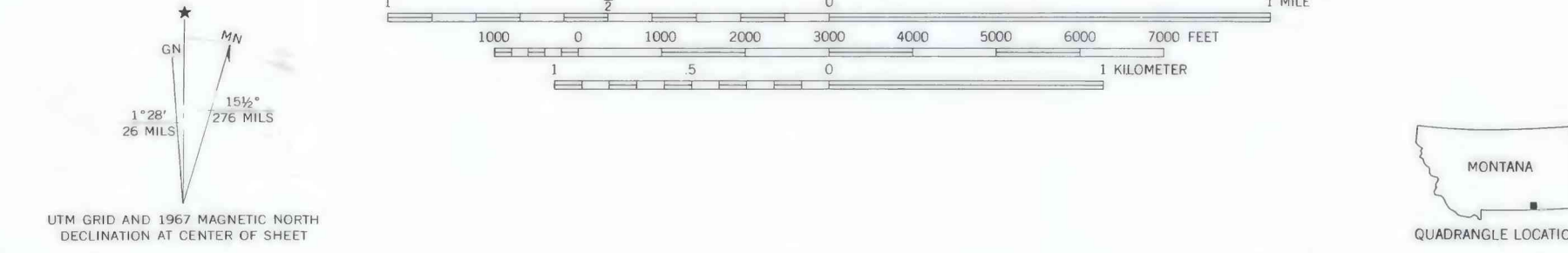
To convert feet to meters, multiply feet by 0.3048.



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



Base map from U.S. Geological Survey, 1967  
SCALE 1:24000  
Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE BAR V RANCH QUADRANGLE,  
BIG HORN COUNTY, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979