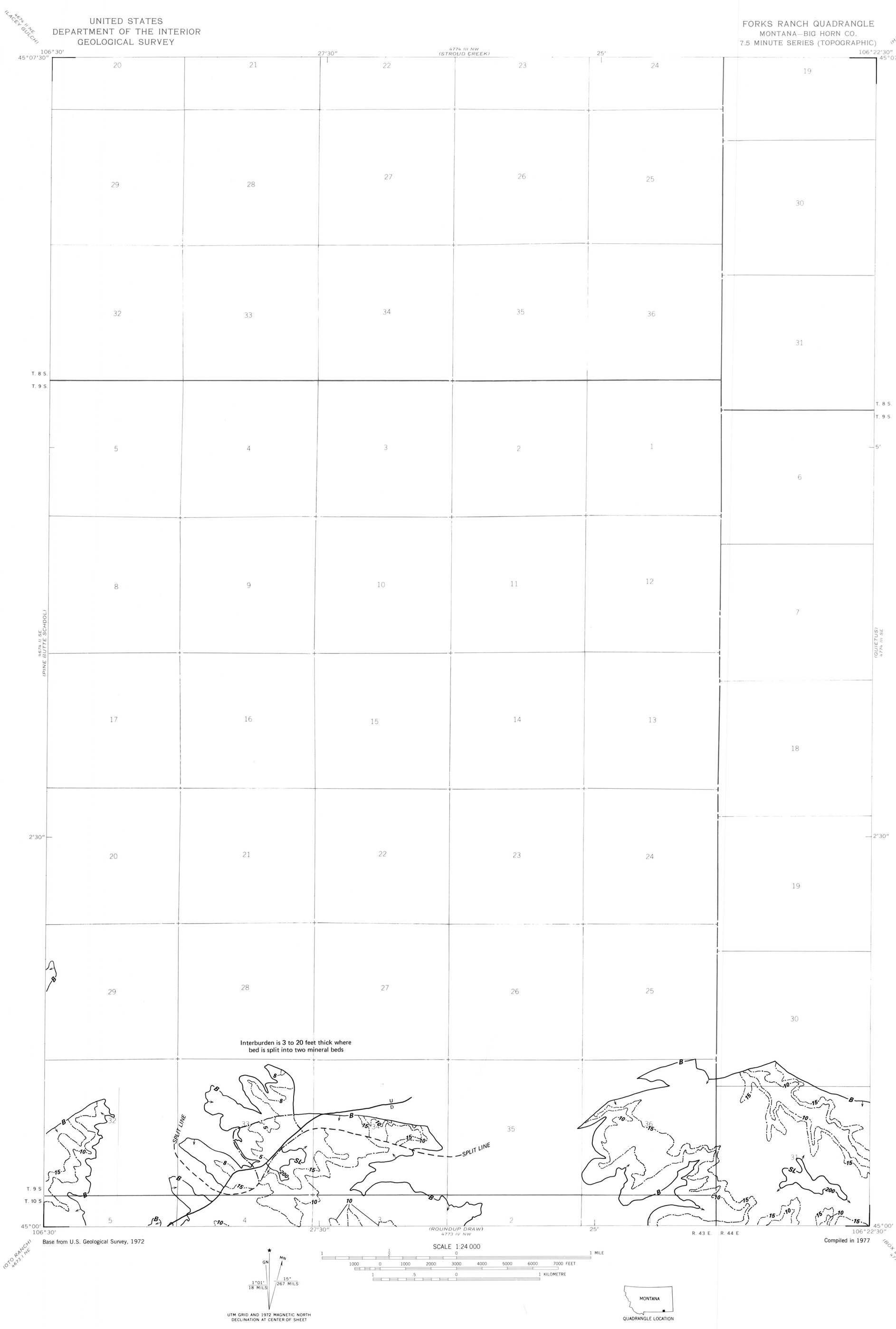
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FORKS RANCH QUADRANGLE
MONTANA—BIG HORN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

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

OPEN FILE REPORT 78-653

PLATE 6 OF 59



Base from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETRE

GN MN
1°01' 18 MILS
15° 267 MILS
UTM GRID AND 1972 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

MONTANA
QUADRANGLE LOCATION

EXPLANATION

200

OVERBURDEN ISOPACHS--Showing thickness of overburden in feet from surface to top of coal bed. Isopach interval 200 feet.

10

MINING RATIO CONTOUR--Number indicates cubic yards of overburden per short ton of recoverable coal by surface mining methods. Contours shown only within the stripping limit. Where two minable splits of bed are present, mining ratio is calculated on the total thickness of coal in the two splits.

SL

STRIPPING LIMIT LINE--Boundary for surface mining of the coal bed (in this quadrangle, the 200-foot-overburden isopach). Arrows point toward the area suitable for surface mining.

B

BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of the coal bed, the contact between burned and unburned coal, and the fault boundary of the coal where the coal bed is 5 feet (1.5 m) or more thick; and the 5-foot (1.5 m) coal isopach. Arrows point toward area of Reserve Base coal.

Line enclosing area where two splits 5 feet (1.5 m) or more thick are present.

SPLIT LINE

Inferred line of splitting of coal bed.

U
D

FAULT--U, upthrown side; D, downthrown side.

To convert feet to meters, multiply by 0.3. To convert cubic yards of overburden per short ton of recoverable coal to cubic meters of overburden per metric ton of recoverable coal, multiply by 0.84.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE FORKS RANCH QUADRANGLE, BIG HORN COUNTY, MONTANA

By

W. C. CULBERTSON, L. N. ROBINSON, AND T. M. GAFFKE

1979

PLATE 6
OVERBURDEN ISOPACH
AND MINING RATIO MAP
OF THE ROLAND OF BAKER
(1929) COAL BED