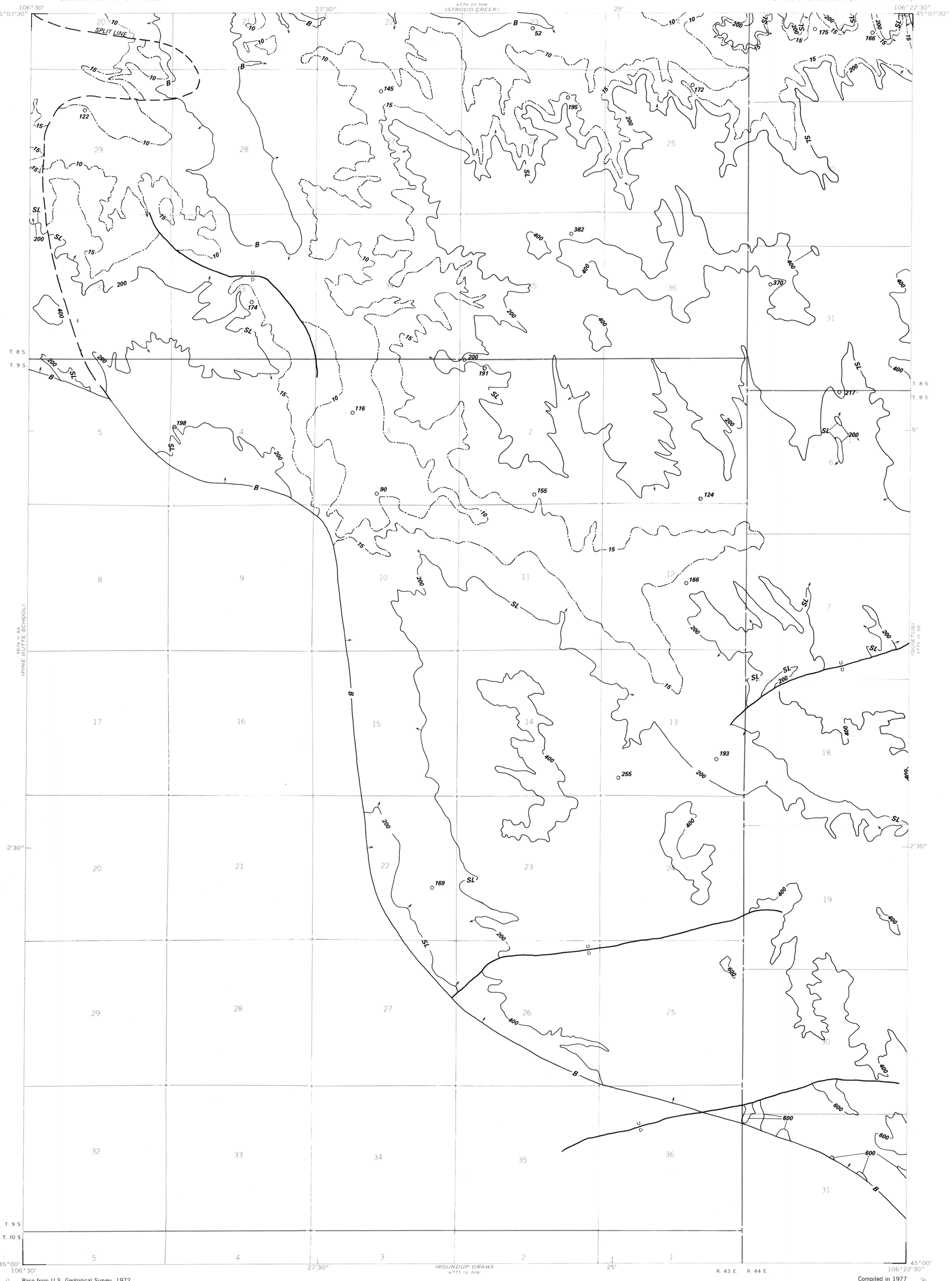
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



Base from U.S. Geological Survey, 1972

Compiled in 1977

SCALE 1:24 000

1 ½ 0 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

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 21 OF 59

EXPLANATION

400

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

255

DRILL HOLE--Showing thickness in feet of overburden from surface to top of coal bed.

U/D

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

B

BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of the coal bed and the contact between burned and unburned 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.

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.

15

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.

Inferred line of splitting of coal bed. Not shown where it coincides with boundary line.

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

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1979

PLATE 21

OVERBURDEN ISOPACH AND MINING RATIO MAP OF THE DIETZ COAL BED