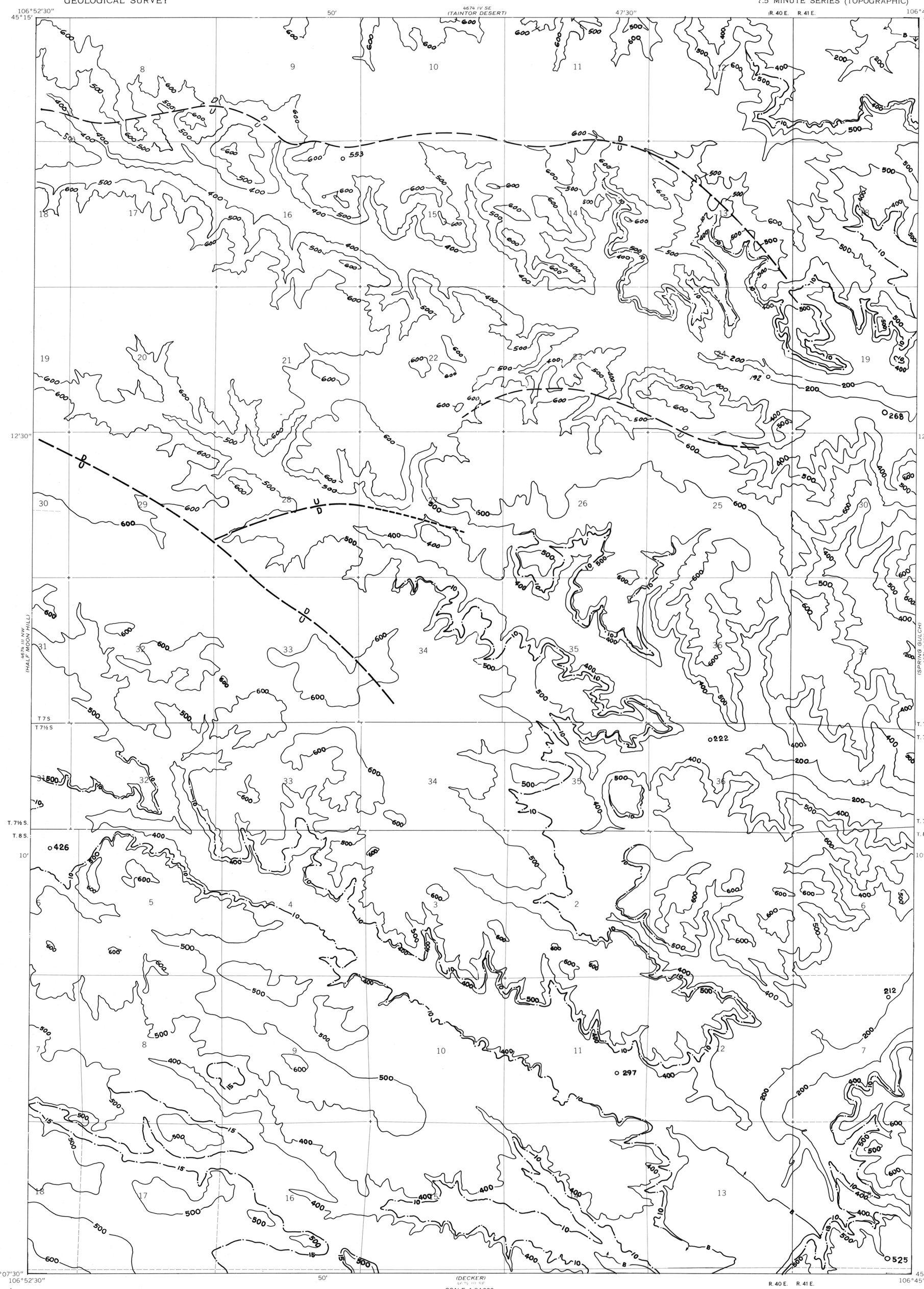
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TONGUE RIVER DAM QUADRANGLE
MONTANA
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-780
PLATE 21 OF 29

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



EXPLANATION

400

OVERBURDEN ISOPACH—Showing thickness of overburden, in feet, from the surface to the top of the coal bed. Overburden isopachs within the stripping limit are omitted where they are too close to a mining-ratio contour for map readability. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach.

B

BOUNDARY OF COAL 5 FEET OR MORE THICK—Drawn along the outcrop of the coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach and/or the boundary of the Tongue River Reservoir. Arrows point toward area of coal 5 or more feet thick.

o 297

DRILL HOLE—Showing thickness of overburden, in feet, from the surface to the top of the coal bed.

U / D

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

10

MINING-RATIO CONTOUR—Number indicates cubic yards of overburden per ton of recoverable coal by surface-mining methods. Contours shown only in areas suitable for surface mining within the stripping limit.

To convert feet to meters, multiply feet by 0.3048.

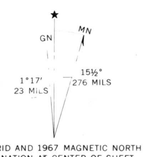
To convert yds³/ton to m³/metric ton, multiply yds³/ton by 0.842.

Base map from U.S. Geological Survey, 1967

Compiled in 1977

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER



UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE TONGUE RIVER DAM QUADRANGLE, BIG HORN AND ROSEBUD COUNTIES, MONTANA

BY

COLORADO SCHOOL OF MINES RESEARCH INSTITUTE

1979

PLATE 21

OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE WALL COAL BED