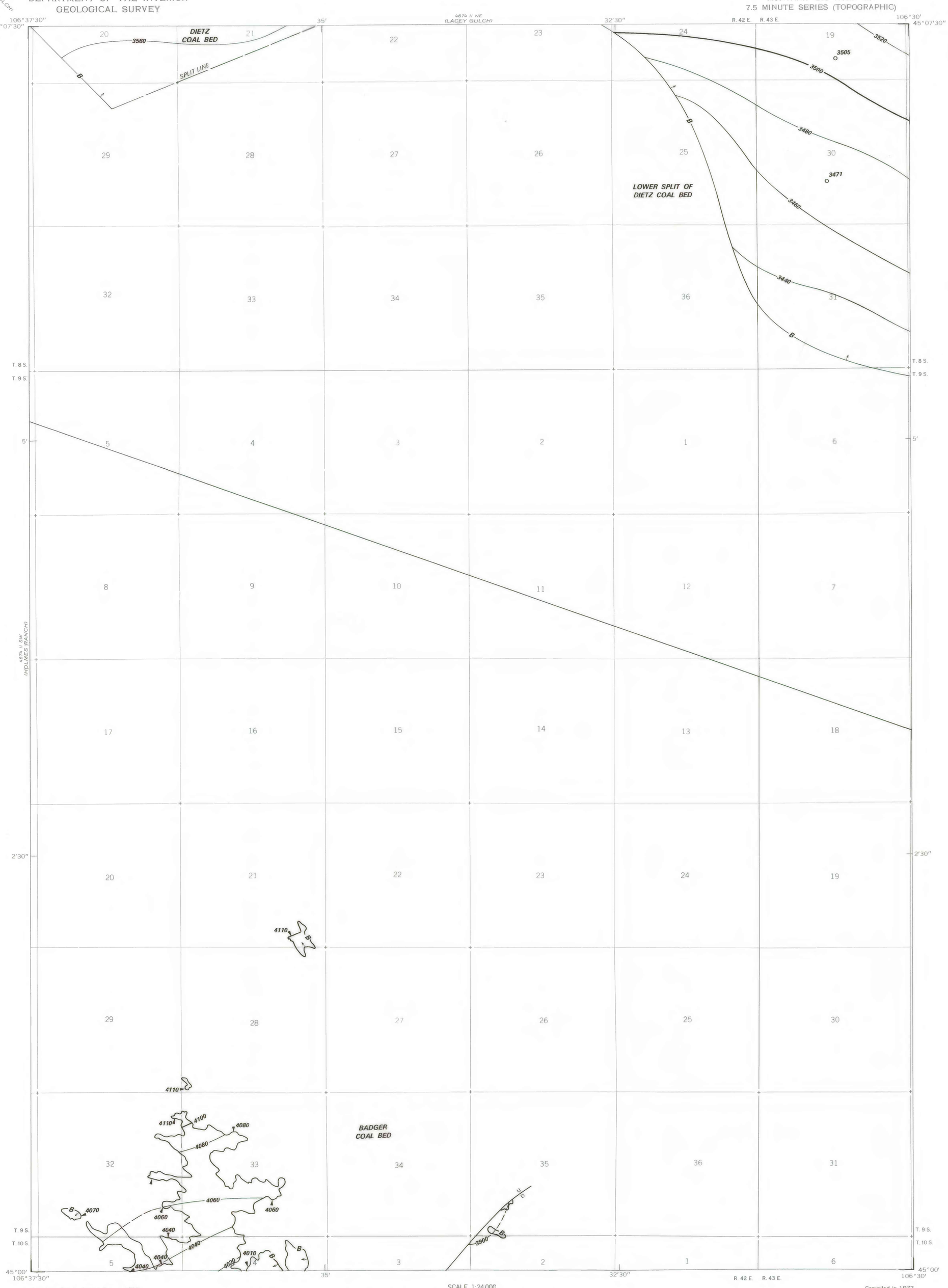
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PINE BUTTE SCHOOL QUADRANGLE
MONTANA–BIG HORN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base from U.S. Geological Survey, 1967

Compiled in 1977

SCALE 1:24 000

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

MONTANA
QUADRANGLE LOCATION

OPEN-FILE REPORT

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

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PLATE 20 OF 64

EXPLANATION

3505 — DRILL HOLE--Showing altitude of the top of the coal bed, in feet.

3500 — 3480 — STRUCTURE CONTOURS--Drawn on top of the coal bed. Dashed where projected beyond boundary of coal. Contour interval 20 feet (6.1 m). Datum is mean sea level.

B 4010 — 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. Number is altitude in feet of top of coal bed at triangle.

U D — FAULT--U, upthrown side; D, downthrown side. Where fault is boundary of coal, arrow points toward coal-bearing area.

To convert feet to meters, multiply by 0.3.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE PINE BUTTE SCHOOL QUADRANGLE, BIG HORN COUNTY, MONTANA

By

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

1978

PLATE 20
STRUCTURE CONTOUR MAPS OF THE DIETZ COAL BED AND THE BADGER COAL BED