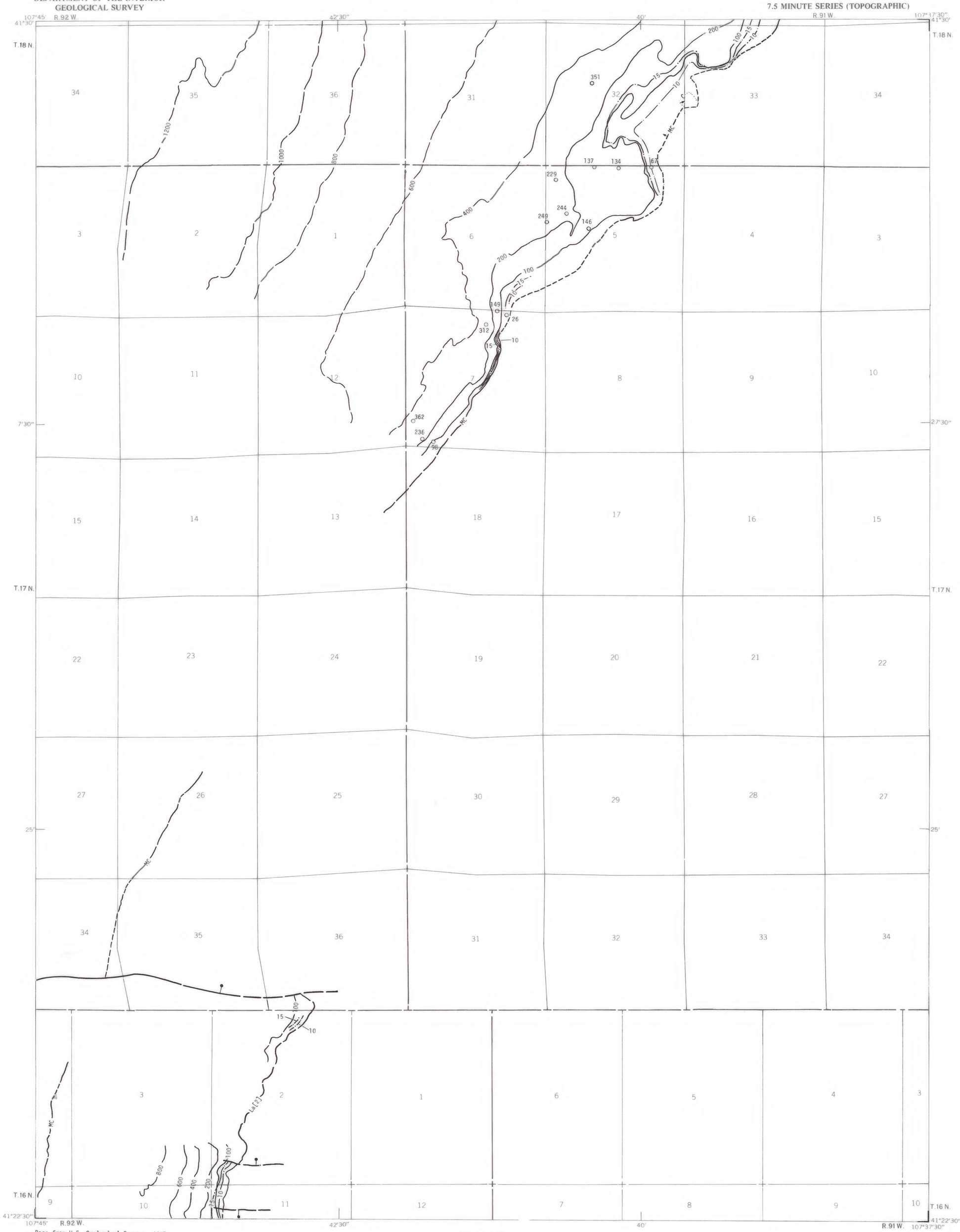
OPEN FILE REPORT 79-1382

PLATE 25 OF 32

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NORTHWEST DOTY MOUNTAIN QUADRANGLE
WYOMING–CARBON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base from U.S. Geological Survey, 1957

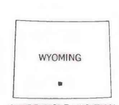
SCALE 1:24000

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

Compiled in 1979

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

APPROXIMATE MEAN
DECLINATION, 1957



QUADRANGLE LOCATION

EXPLANATION

100

OVERBURDEN ISOPACHS - Showing thickness of overburden, in feet, from surface to top of coal bed. Dashed where vertical accuracy possibly not within 40 feet. Isopach interval 100 feet (31 m) over strippable coal and 200 feet (61 m) beyond the stripping-limit line.

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

10

MINING-RATIO CONTOUR - Number indicates cubic yards of overburden per ton of recoverable coal by surface mining methods. Contours shown only in areas underlain by coal of Reserve Base thickness within the stripping-limit (in this quadrangle, the 200-foot-overburden isopach). To convert mining ratio to cubic meters of overburden per metric ton of recoverable coal, multiply mining ratio by 0.8428.

MC - Muddy Creek
La - Lance, undifferentiated

COAL BED SYMBOLS AND NAMES - Coal beds identified by bracketed numbers are not formally named, but are numbered for identification purposes in this quadrangle only.

MC

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed as listed above. Dashed where inferred; short dashed where inferred by present authors.

TRACE OF FAULT - Bar and ball on downthrown side when direction of movement is known. Dashed where inferred or approximately located.

C

INFERRED LIMIT OF BURNED AND CLINKERED COAL - Arrow points toward area of baked and fused rock.

To convert feet to meters, multiply feet by 0.3048.

COAL RESOURCE OCCURRENCE MAP OF THE NORTHWEST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING

BY
DAMES & MOORE

1979

PLATE 25

OVERBURDEN ISOPACH AND
MINING RATIO MAP
OF THE LANCE [2] AND
MUDDY CREEK COAL BEDS