UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BLACK BUTTES QUADRANGLE
WYOMING—SWEETWATER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

EXPLANATION

200

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 is 50 feet (15 m) over strippable coal for the Lebar; 100 feet (31 m) for the Deadman; and 200 feet (61 m) beyond the stripping-limit line.

323

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

15

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.

Dm - Deadman
Lb - Lebar

COAL BED SYMBOLS AND NAMES

Dm

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.

To convert feet to meters, multiply feet by 0.3048.

NOTE: All strippable coal in area bounded by faults has mining ratio of less than 10.

NOTE: Overburden isopachs and mining ratio contours are not drawn beyond dotted line because of insufficient data.

Base from U.S. Geological Survey, 1968

Compiled in 1977/1978

SCALE 1:24000

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

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

COAL RESOURCE OCCURRENCE MAP OF THE BLACK BUTTES QUADRANGLE, SWEETWATER COUNTY, WYOMING

BY
DAMES & MOORE
1979

PLATE 16

OVERBURDEN ISOPACH AND MINING RATIO MAPS OF THE LEBAR AND THE DEADMAN COAL BEDS