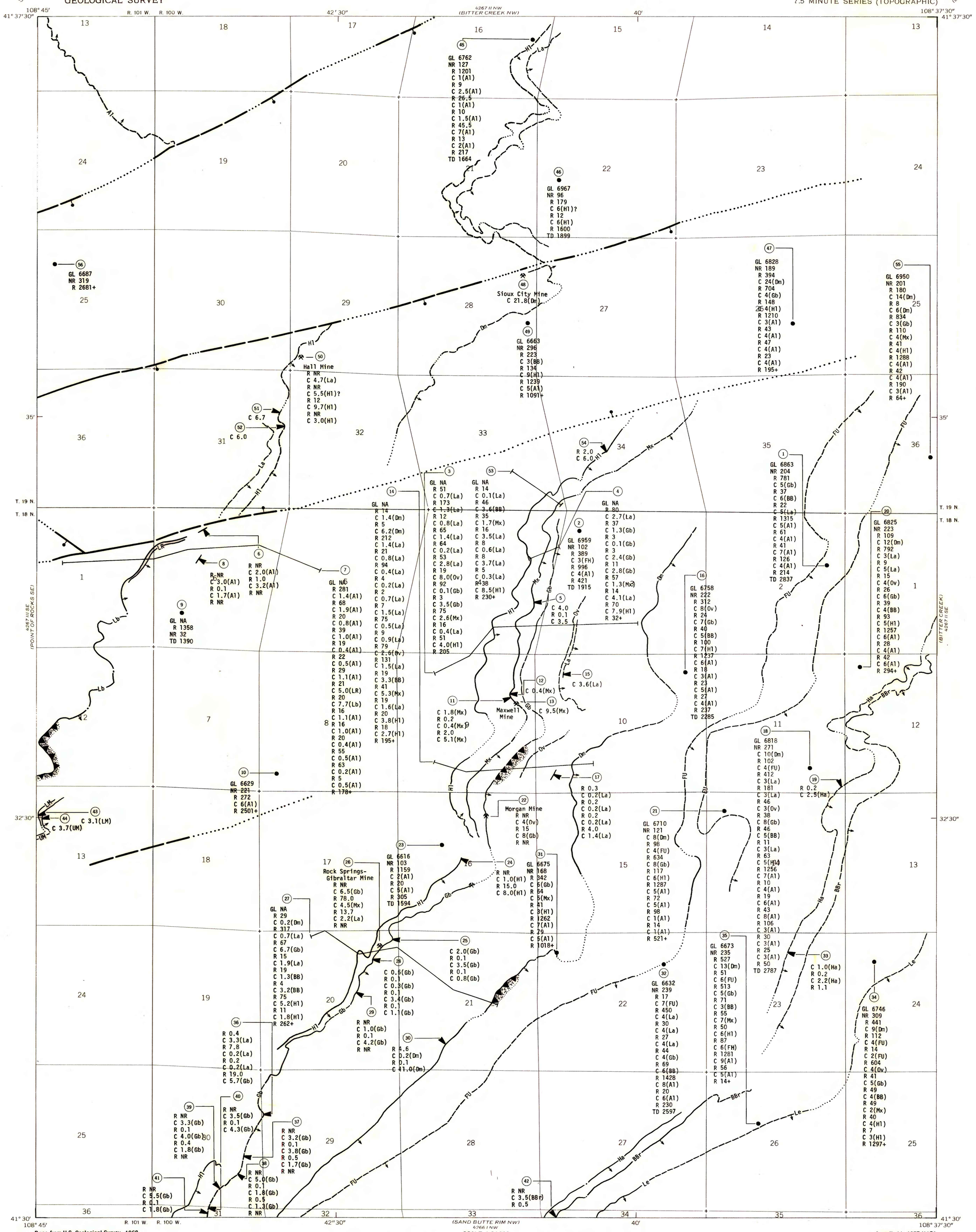
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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



Base from U.S. Geological Survey, 1968

Compiled in 1977/1978

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

GN MN 1°32′ 27 MILS 15½° 276 MILS

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

WYOMING

QUADRANGLE LOCATION

EXPLANATION

(23) GL 6616 NR 103 R 1159 C 2(Al) R 20 C 5(Al) R 305 TD 1594

OIL AND GAS TEST HOLE - Showing drill-hole data, in feet. Index number refers to hole on plate 3 of CRO map or in table of text. Letters designate name of coal bed as listed below.

(13) Maxwell Mine C 9.5(Mx) Abandoned

MINE MEASURED SECTIONS - Showing coal thickness, in feet, and name of mine, if known. Index number refers to section on plate 3 of CRO map or in table of text. Letters designate name of coal bed as listed below.

(43) C 3.1(LM)

(4) GL NA R 80 C 2.7(La) R 37 C 1.3(Gb) R 3 C 0.1(Gb) (Section continues)

OUTCROP MEASURED SECTION - Showing rock interval and coal thickness, in feet. Index number refers to section on plate 3 of CRO map or in table of text. Letters designate name of coal bed(s) as listed below. Trace of measured section, if extensive, shown by line.

GL - Ground level elevation
NA - No altitude available
NR - No record
R - Rock interval
C - Coal interval
TD - Total depth

TEST HOLE AND MEASURED-SECTION DATA SYMBOLS

Le - Leaf
BBr - Big Burn (Nuttal)
Ha - Hail
Dm - Deadman (Little Valley)
FU - Fort Union, undifferentiated
Ov - Overland
Gb - Gibralter
BB - Black Butte
Mx - Maxwell
Hl - Hall (Bluff)
La - Lance, undifferentiated
FH - Fox Hills
UM - Upper Magpie
LM - Lower Magpie
LR - Lebar Rider
Lb - Lebar
Al - Almond, undifferentiated

COAL BED SYMBOLS AND NAMES

Dm

TRACE OF COAL BED OUTCROP - Letters designate name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred; dotted where concealed.

BURNED AND CLINKERED COAL - Showing area of baked and fused rock (v symbol). Dotted line indicates the inferred limit of burning.

TRACE OF FAULT - Symbols designate direction of movement when known; bar and ball on down-thrown side. Dashed where inferred; dotted where concealed.

Abandoned

UNDERGROUND COAL MINE - Showing name of mine, if known.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

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Keith, R. E., 1965, Geology of the Rock Springs uplift, Sweetwater County, Wyoming, in Wyoming Geological Association Guidebook, 19th Annual Field Conference, 1965: p. 42.

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Schultz, A. R., 1909, The northern part of the Rock Springs coal field, Sweetwater County, Wyoming, in Coal fields in Wyoming: U.S. Geol. Survey Bull. 341-B, p. 256-282.

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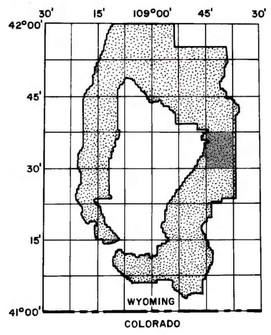

MAP SHOWING LOCATION OF THE BLACK BUTTES QUADRANGLE (SHADED) AND THE ROCK SPRINGS KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), WYOMING

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 1

COAL DATA MAP