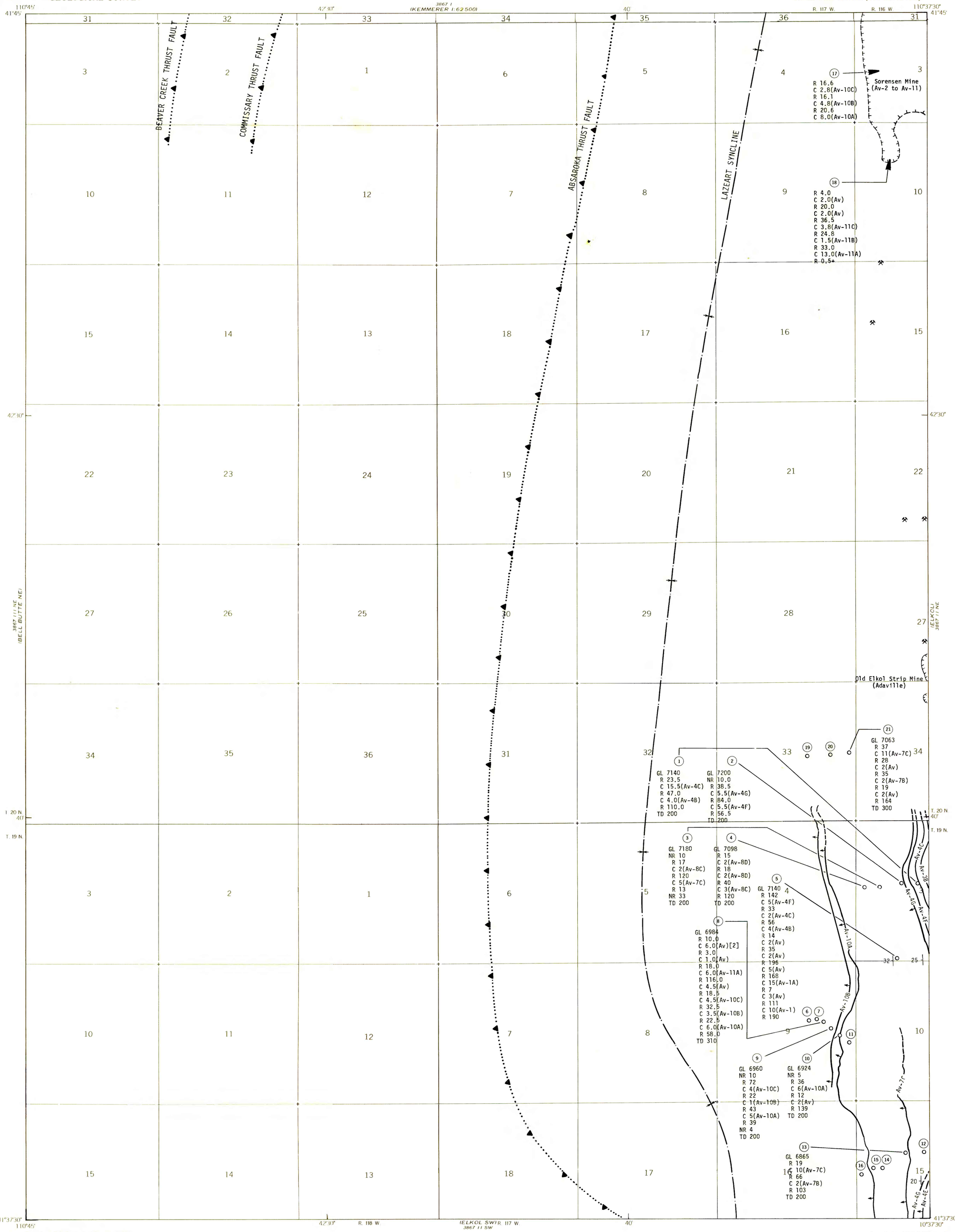
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WARFIELD CREEK QUADRANGLE
WYOMING-LINCOLN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base from U.S. Geological Survey, 1962

Compiled in 1977/1978

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

EXPLANATION

GL 6865
R 19
C 10(Av-7C)
R 66
C 2(Av-7B)
R 103
TD 200

COAL 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.

R 16.6
C 2.8(Av-10C)
R 16.1
C 4.8(Av-10B)
R 20.6
C 8.0(Av-10A)

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.

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

TEST HOLE AND MEASURED-SECTION DATA SYMBOLS

Av-11C - Adaville No. 11 Upper Rider
Av-11B - Adaville No. 11 Lower Rider
Av-11A - Adaville No. 11
Av-10C - Adaville No. 10 Rider
Av-10B - Adaville No. 10 Upper Bench
Av-10A - Adaville No. 10 Lower Bench
Av-8D - Adaville No. 8D
Av-8C - Adaville No. 8C
Av-7C - Adaville No. 7C
Av-7B - Adaville No. 7B
Av-4G - Adaville No. 4G(6)
Av-4F - Adaville No. 4F(5R)
Av-5 - Adaville No. 5(4E)
Av-4C - Adaville No. 4C(4)
Av-4B - Adaville No. 4B
Av-3B - Adaville No. 3B(3R)
Av-2 - Adaville No. 2
Av-1A - Adaville No. 1A
Av-1 - Adaville No. 1
Av - Adaville, undifferentiated

COAL BED SYMBOLS AND NAMES

Av-4F

TRACE OF COAL BED OUTCROP - Letters designate name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed line indicates inferred outcrop.

ABSAROKA THRUST FAULT

TRACE OF FAULT - Symbols designate direction of movement when known; sawteeth on upper plate of thrust fault. Dotted where concealed.

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STRIKE AND DIP OF BED

LAZEART SYNCLINE

AXIS OF SYNCLINE

Sorensen Mine
(Av-2 to Av-11)

COAL STRIP MINE - Showing name of mine and bed(s) removed. Hachures point toward mined area. Dashed where approximately located.

Abandoned

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

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

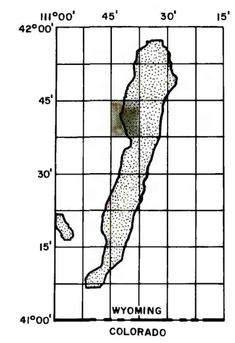
Glass, G. B., 1975, Analyses and measured sections of 54 Wyoming coal samples: Wyoming Geol. Survey Rept. Inv. No. 11, p. 55-64.

Rocky Mountain Energy Co., Unpublished drill hole data from the Union Pacific coal inventory of 1968-1969.

Rubey, W. W., Oriel, S. S., and Tracey, J. I. Jr., 1975, Geology of the Sage and Kemmerer 15-minute quadrangles, Lincoln County, Wyoming: U.S. Geol. Survey Prof. Paper 855, 18 p.

Veatch, A. C., 1907, Geography and geology of a portion of southwestern Wyoming with special reference to coal and oil: U.S. Geol. Survey Prof. Paper 56, 178 p.

NOTE: Indexed drill holes without coal-rock data have been used to prepare derivative maps in this quadrangle. These drill holes are identified in the text of the report and the coal-rock data for each drill hole is available from Rocky Mountain Energy Company.



MAP SHOWING LOCATION OF THE WARFIELD CREEK QUADRANGLE (SHADED) AND THE KEMMERER 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 WARFIELD CREEK QUADRANGLE, LINCOLN COUNTY, WYOMING

BY
DAMES & MOORE
1979

PLATE 1
COAL DATA MAP