

EXPLANATION

○ (16)
GL NA
R 315.5
C 6(A1)
R 28.5
TD 350

● (11)
GL 7564
NR 484
R 747
C 2(HM)
R 4
C 3(HM)
R 1760+

○ (8)
Abandoned Robertson Mine
R NR
C 11.0+(R)

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.

MINE MEASURED SECTIONS - Showing rock interval and 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. Letter designates name of coal bed as listed below.

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

La - Lance, undifferentiated
FH - Fox Hills, undifferentiated
GG - Garden Gulch
R - Robertson
Al - Almond, undifferentiated
AR - Allen Ridge, undifferentiated
HM - Haystack Mountains, undifferentiated

NOTE - Coal beds A1[5], A1[3], A1[1], and R are equivalent to the W, X, Y, and Z coal beds, respectively, in the Fillmore Ranch quadrangle

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.

4.1
GG - 4.1

TRACE OF COAL BED OUTCROP - Showing thickness of coal, in feet, measured at triangle. Letters designate name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred.

TRACE OF FAULT - Bar and ball on down-throw side. Dashed where inferred.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

Ball, M. W., and Stebinger, Eugene, 1910, The eastern part of the Little Snake River coal field, Wyoming, in Coal fields in Wyoming: U.S. Geol. Survey Bull. 381-B, p. 186-213.

Barclay, C. S. V., 1979a, Preliminary geologic map of the northeast quarter of the Doty Mountain 15-minute quadrangle, Carbon County, Wyoming: U.S. Geol. Survey open-file report, in preparation.

1979b, Coal sections of Rocky Mountain Energy Co. drill holes in sec. 5, T. 17 N., R. 90 W., and sec. 33, T. 18 N., R. 90 W.: U.S. Geol. Survey, written communication.

1979c, Geophysical logs and coal sections of holes drilled in T. 16 N., R. 90-91 W., in the Doty Mountain and Ketchum Butte quadrangles, Carbon County, Wyoming, during 1977 and 1978: U.S. Geol. Survey open-file report, in preparation.

Barclay, C. S. V., and Zimmerman, S. C., 1976, Lithologic and geophysical logs of holes drilled in the eastern part of the Doty Mountain quadrangle, Carbon County, Wyoming, by the U.S. Geol. Survey during 1975: U.S. Geol. Survey Open-File Report 76-510, 108 p.

Hettinger, R. D., 1979, Geologic map and coal sections of the Lance Formation in the northeast quarter of the Doty Mountain 15-minute quadrangle, Carbon County, Wyoming: U.S. Geol. Survey, written communication.

GL 7080
NR 525
R 38
C 4(A1)
R 41
C 10(A1[2])
R 30
C 5(A1[L1])
R 30
C 4(R[2])
R 2313+

GL 7564
NR 484
R 747
C 2(HM)
R 4
C 3(HM)
R 1760+

GL 7761
R 47.5
C 4(A1[L1])
R 12.5
C 3(A1)
R 21
C 2(A1[4])
R 20.5
C 1.5(A1)
R 9.5
C 1.5/0.5(A1)
R 7.0
C 12.5(A1[2])
R 9
C 2(A1)
R 24
C 4(A1[L1])
R 13.5
C 4.5(R[2])
R 180
C 1.5(AR)
R 10.5
C 2.5(AR)
R 50
C 3.5(AR)
R 14.5
R 33
C 4(A1)
R 15
C 5.5(A1[L1])
R 13
C 2.3(R[2])
R 125.5
C 3(AR)
R 5
C 2.5(AR)
R 70
TD 300

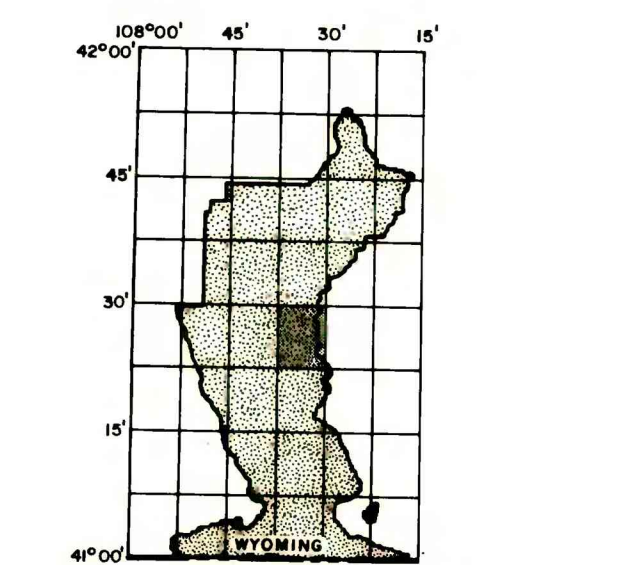
GL 6840
R 37
C 2(A1)
R 58.5
C 2.5(A1)
R 15
C 4/1(GG)
R 152.5
C 2.5(A1[L1])
R 16.5
C 2(A1)
R 14
C 3.5/2.5(A1[4])
R 23
C 1.5(A1)
R 7
C 2(A1)
R 6
C 12(A1[2])
R 21
C 1.5(A1)
R 23.5
C 3.5(A1[L1])
R 17
C 3(R[2])
R 25.5
TD 460

GL 7121
R 22.5
C 1.5(A1)
R 16.5
C 2.5(A1)
R 59
C 4(GG)
R 145
C 4.5/2(A1[L1])
R 15.5
C 2(A1)
R 27.5
C 5.5(A1[4])
R 12.5
C 2(A1)
R 13(A1[2])
R 4.5
C 3(A1)
R 27
C 13(A1[2])
R 17.5
C 5.5(R[2])
R 2
C 2(A1)
R 17
C 2(A1)
R 63
TD 500

GL 6950
NR 193
R 29
C 8(A1[2])
R 41
C 4(A1[L1])
R 15
C 4(R[2])
R 1596
C 5(HM)
R 2
C 3(HM)
R 1096+

GL 161.5
C 4(A1)
R 33.5
C 12(A1[2])
R 37.5
C 3.5(A1)
R 24.5
C 6(A1[L1])
R 125.5
TD 408

GL 7590
R 81
C 310.5(A1[L1])
R 15.5
R 3(A1)
R 21.5
C 2.5/0.5(A1[4])
R 41
C 14.5(A1[2])
R 7
C 2.5(A1)
R 24
C 4.5(A1[L1])
R 17.5
C 9.5(R[2])
R 202
TD 450



MAP SHOWING LOCATION OF THE NORTHEAST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE (SHADED) AND THE RAWLINS 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.

PLATE 1
COAL DATA MAP

COAL RESOURCE OCCURRENCE MAP OF THE NORTHEAST QUARTER OF THE DOTY MOUNTAIN 15-MINUTE QUADRANGLE, CARBON COUNTY, WYOMING
BY
DAMES & MOORE
1979