CORRELATION OF COAL BEDS IN DRILL HOLES AND MEASURED SECTIONS

COMPOSITE COLUMNAR SECTION*

SYSTEM	SERIES	FORMATION	UNIT OR MEMBER	COAL BED NAME	UNIT OR MEMBER
CRETACEOUS	UPPER CRETACEOUS	MESAVERDE GROUP	UPPER UNIT	Local	1
			COAL UNIT	Local	2
				Local	3
				Main Coal Zone	4
					5
					6
					2
			LOWER UNIT	Local	7
			SEGO SS.	Local	8

LITHOLOGIC DESCRIPTION

1. Sandstone and shale thickly interbedded. Sandstone is light-brown to light-grayish-brown, very fine- to fine-grained. Shale is light-gray and includes beds of brown carbonaceous shale and rare thin coal beds.
2. Brown carbonaceous shale, light-gray shale, sandstone, and coal interbedded. Sandstone is light-yellow to light-gray, thin bedded, friable and very fine- to fine-grained.
3. Main coal zone—Contains one to four beds, 4 feet or more thick. The thickest coal beds are generally concentrated near the base of the zone. These coals are interbedded with brown carbonaceous shale, gray shale, and minor light-yellow sandstone.
4. Coal.
5. Coal.
6. Coal marker bed. Sandstone; very light-gray to white, very fine-grained, clean, well sorted.
7. Sandstone and light-gray shale thickly interbedded, also some brown carbonaceous shale and thin lenticular coals included. Sandstone is light yellowish-brown, friable to resistant, lenticular, and fine-grained.
8. Sandstone and some thin lenticular coal. Light yellowish-brown to light-brown, fine-grained, poorly sorted, locally crossbedded, distinctive white top.

Meters / Feet: 0–0, 20–50, 40–100, 60–150, 80–200

Vertical scale

*Geology from preliminary map of U.S.G.S. Geologic map of the Rangely NE Quadrangle by B. E. Barnum and R. S. Garrigues, O-F.R 80-274, 1980.

T. 2 N., R. 101 W. | T. 2 N., R. 102 W. | T. 3 N., R. 102 W. | T. 2 AND 3 N., R. 102 W. | T. 2 N., R. 102 W. | T. 3 N., R. 102 W.

DATUM

EXPLANATION

Index number
Well or measured section name
Well or measured section location
Altitude, in feet, of top of measured section or drill hole (when estimated — est.)
Rock interval
Coal interbedded with rock; total coal thickness/total rock thickness in feet
No record of lithology
Coal bed showing thickness in feet
Bony coal interval showing thickness in feet
Coal interbedded with bony coal; total coal thickness/total bony coal thickness in feet
Break in no record of lithology interval showing thickness, not plotted, in feet
Baked Rock
Break in rock interval showing thickness not plotted in feet
Column shown closed if hole at total depth or at end of measured section

Solid line indicates a positive correlation
Dash line indicates an uncertain correlation

Coal bed symbols and names

L — Local coal bed
L1 - L3 — Local coal beds 1 to 3
MCZL — Local coal bed in Main Coal Zone
MCZ1 - MCZ4 — Main Coal Zone beds 1 to 4

NOTES:

The numbered coal beds have been correlated over small areas, generally within the quadrangle; the sequential numbering does not necessarily reflect the true stratigraphic position of one coal bed with respect to another.

Datum is the top of coal marker bed (Garrigues, 1978) The vertical positions of coal beds shown above or below the datum line are only relative and are not to scale.

The term "bony coal," as used in this report, may include material described in the data sources as bony coal, bone, shaly coal, dirty coal, smutty coal, or other similar terms.

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

Meters / Feet: 0–0, 10–50, 20–100, 30–150, 40–200, 50–250, 60–300

Vertical scale

COAL RESOURCE OCCURRENCE MAP OF THE RANGELY NE QUADRANGLE, RIO BLANCO AND MOFFAT COUNTIES, COLORADO

BY

AAA ENGINEERING AND DRAFTING, INC.

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DEPARTMENT OF THE INTERIOR
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PLATE 3 OF 9

COAL DATA SHEET

PLATE 3

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SHEET 1 OF 3