UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMPOSITE COLUMNAR SECTION*

SYSTEM	SERIES	FORMATION	COAL BED NAME	LITHOLOGIC DESCRIPTION
TERTIARY	PALEOCENE	COALMONT FORMATION	Hill	1. Sandstone, fine-grained, micaceous. Interbedded with brown carbonaceous claystone. Contains Capron and Hill coal bed.
			Capron	2. Siltstone, gray, tuffaceous, contains thin coal bed.
				3. Conglomeratic sandstone, fine-grained, crossbedded.
				4. Interbedded sandstone, shale and coal; fine-grained; carbonaceous; subbituminous.
			Sudduth	5. Coal, subbituminous.
				6. Unconformity.
				7. Interbedded fine-grained, sandstone, silt stone, calcareous shale, clay pebble conglomerate.
CRETACEOUS	UPPER CRETACEOUS	PIERRE SHALE		

Meters / Feet: 0/0, 50/200, 100/400, 150/600, 200/800, 250/1000, 300 — Vertical scale

*Composite columnar section adapted from Hail, 1968; Beekly, 1915; Madden, 1975, 1976, 1977.

CORRELATION OF COAL BEDS IN DRILL HOLES AND MEASURED SECTIONS

T. 10 N., R. 79 W. | T. 10 N., R. 80 W. | T. 10 N., R. 79 W. | T. 9 N., R. 79 W. | T. 10 N., R. 79 W.

1 BEEKLY (1915, PL. X, SEC. K) NW¼ NW¼ SEC. 19

2 MADDEN (1975, U.S.G.S. UNPUB. FIELD NOTES) SE¼ NW¼ SEC. 19

3 MADDEN (1977, DH-C-30, P. 78) SE¼ SE¼ SEC. 19

4 MADDEN (1978) NW¼ SE¼ SEC. 25

5 W. C. McBRIDE CORP. (ALLARD NO. 1) NW¼ SW¼ SEC. 30

6 MADDEN (1977, DH-C-31, P. 79) SE¼ SW¼ SEC. 29

7 MADDEN 1977, DH-C-32, P. 80) NE¼ NE¼ SEC. 5

8 MADDEN (1978) SW¼ SE¼ SEC. 8

9 MONOLITH PORTLAND MIDWEST CO. (DH. 6) NE¼ SW¼ SEC. 3

10 MADDEN (1977, DH-C-18, P. 56) NE¼ SW¼ SEC. 3

11 MADDEN (1975, U.S.G.S. UNPUB. FIELD NOTES) SE¼ NE¼ SEC. 33

12 MADDEN (1975, U.S.G.S. UNPUB. FIELD NOTES) SE¼ NE¼ SEC. 33

13 MADDEN (1977, DH-C-28, P. 76) SE¼ NE¼ SEC. 33

14 MADDEN (1975, U.S.G.S. UNPUB. FIELD NOTES) NW¼ NW¼ SEC. 34

15 MADDEN (1977, DH-C-27, P. 74) SW¼ NE¼ SEC. 28

DATUM 1

DATUM 2

Meters / Feet: 0/0, 5/10, 10/20, 15/30, 20/40, 25/50 — Vertical scale

EXPLANATION

- (8) — Index number
- MADDEN (1978) SW¼ SE¼ SEC. 8 — Well or measured section name
- 8015 (est.) — Well or measured section location
- 1143.0 — Altitude, in feet, of top of drill hole or measured section (when no altitude – NA; when estimated – est.)
- Break in rock interval showing thickness, in feet, not plotted
- H 1.9 / 0.1 — No record of lithology. Coal interbedded with rock, total coal thickness/total rock thickness in feet
- C 1.0 — Coal bed, showing thickness in feet
- Rock interval
- Column shown closed if hole at total depth or at end of measured section.

Coal Bed Symbols and Names

- *H* — Hill coal bed
- *C* — Capron coal bed
- *S* — Sudduth coal bed
- *L* — Local coal bed

DATUM 1—Top of Capron coal bed

DATUM 2—Top of Sudduth coal bed Approximately 1750 feet below the top of Capron coal bed

COAL RESOURCE OCCURRENCE MAP OF THE COWDREY QUADRANGLE, JACKSON COUNTY, COLORADO

BY

AAA ENGINEERING AND DRAFTING, INC.

1980

PLATE 3
COAL DATA SHEET

Compiled in 1979

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