CORRELATION OF COAL BEDS IN DRILL HOLES

COMPOSITE COLUMNAR SECTION

SYSTEM	SERIES	FORMATION	MEMBER	COAL BED NAME		LITHOLOGIC DESCRIPTION
TERTIARY	EOCENE	SAN JOSE FORMATION	UNDIFFERENTIATED		1	
					2	1. Surface exposures range from undifferentiated Cretaceous and older rocks (Baltz, 1967) to the San Jose Formation.
						2. Shale, red to brown to variegated; interbedded sandstone, buff to tan to red, locally conglomeratic; interbedded siltstone, red to brown
						3. Unconformity
						4. Shale, gray to olive-gray; interbedded sandstone, buff to tan, locally conglomeratic
						5. Sandstone, buff to light brown, conglomeratic lenses; interbedded shale, gray to olive-gray
						6. Unconformity
						7. Shale, olive gray to dark gray
						8. Shale, dark gray, carbonaceous; interbedded sandstone, white to brown
						9. Coal, Fruitland 2 bed
						10. Coal, Fruitland 1 bed
						11. Sandstone, light brown to gray; interbedded shale, gray
	PALEOCENE	NACIMIENTO FORMATION			3	
					4	
CRETACEOUS	UPPER CRETACEOUS	OJO ALAMO SS			5	
		**			6	
				Fruitland 2	7	
				Fruitland 1	8	
					9	
					10	
		*			11	

** UNDIVIDED FRUITLAND FORMATION AND KIRTLAND SHALE

* PICTURED CLIFFS SS

Meters 0 — 40 — 80 — 120
Feet 0 — 100 — 200 — 300 — 400 — 500
Vertical Scale

T. 24 N., R. 1 W.

③	④	⑤	⑥	⑦	⑨	⑩
BENSON-MONTIN-GREER #17, CANADA OJITOS SE¼ SW¼ NE¼ Sec.1	SHAR-ALAN OIL CO. #2X, LILLIAN-STATE NW¼ SE¼ SE¼ Sec.2	EMPIRE STATES DRLG. #1, JACKSON-CUCCIA NE¼ SW¼ SW¼ Sec.14	SHAR-ALAN #1, WERNTZ-FEDERAL NW¼ SE¼ NE¼ Sec.21	SHAR-ALAN #1, IDNA McDANIEL NW¼ SE¼ SE¼ Sec.22	SHAR-ALAN #1, WASSON-FEDERAL SW¼ NE¼ NE¼ Sec.27	SHAR-ALAN OIL #2, DUFF SE¼ Sec.27
7140'	7174'	7152'	7230'	7202'	7197'	7348'
300	300	300	300	300	300	300
810	1091	1266	1460	1272	1296	1428
Fr 1 10	Fr 2 / Fr 1 10	Fr 1 11	Fr 2 / Fr 1 3 / 11	Fr 1 10	Fr 1 2 / 2	Fr 2 2
TD 6782	TD 2681	TD 2876	TD 3100	TD 2984	TD 2917	TD 3013

DATUM — Fruitland Fm / Pictured Cliffs Ss — DATUM

Meters 0 — 25 — 50 — 75 — 100
Feet 0 — 100 — 200 — 300 — 400
Vertical Scale

EXPLANATION

③ Index number

BENSON-MONTIN-GREER #17, CANADA OJITOS SE¼ SW¼ NE¼ Sec.1 — Well name; Well location

7140' — Altitude of drill hole at surface

300 — No record of lithology in cased interval. Cased interval not plotted to scale *

810 — Rock interval; Break in rock interval; Thickness of interval shown in feet

Fr 1 10 — Coal bed, showing thickness in feet; Coal bed symbols and names (Fr 2 - Fruitland 2 bed, Fr 1 - Fruitland 1 bed)

Column shown closed if drill hole is plotted to total depth

TD 6782 — Total depth of well, in feet

*An average depth of casing of 300 ft (91 m) was used. Actual depth of casing not shown.

COAL RESOURCE OCCURRENCE MAP OF THE SOUTHWEST QUARTER OF THE LLAVES 15-MINUTE QUADRANGLE, RIO ARRIBA COUNTY, NEW MEXICO

BY

DAMES & MOORE

1979

Compiled in 1979

PLATE 3
COAL DATA SHEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OPEN FILE REPORT 79-608
PLATE 3 OF 12

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