UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SARGENT RANCH QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-157
PLATE 1 OF 9

(PUEBLO BONITO NW) 4456 II NW

(LYBROOK NW) 4456 II NW

107°52'30" 36°07'30" R.10 W. R.9 W. 50' 47'30" 107°45' 36°07'30"

T. 22 N. T. 21 N. 5' 2'30" T. 21 N. T. 20 N. 36°00'

(PUEBLO BONITO) 4456 II SW

(FIRE ROCK WELL) 4456 II SW

(PUEBLO PINTADO) 4455 I NW

## EXPLANATION

(16) ● GL 6340
NR 169
R 647
C 3(Me zone)
R 1505
C 3(Me zone)
R 12
C 4(Me zone)
R 2434
TD 4777

DRILL HOLE - Shown solid for oil and gas. Showing drill hole data, in feet. Index number refers to well on Plate 3 of CRO map.

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

TEST HOLE AND MEASURED SECTION DATA SYMBOLS

Fr zone - Fruitland zone
Fr 1 - Fruitland 1 bed
Me zone - Menefee zone

COAL BED AND COAL ZONE SYMBOLS AND NAMES

(19) GL 6300
C 1.8(Fr zone)
R 1.4
C 1.7(Fr zone)
Fr zone

TRACE OF COAL BED OUTCROP - Showing symbol of name of coal bed. Showing rock interval and coal thickness, in feet, measured at triangle. Index number refers to measured section on Plate 3 of CRO map. Arrow points toward the coal-bearing area. Dashed line indicates inferred outcrop. Trace of coal bed outcrop modified (from original data source) to fit modern topographic map.

FAULT - Dashed where approximately located; bar and ball on downthrown side.

BURNED AND CLINKERED COAL BED - Showing area of baked and fused rock (v symbol). Dotted line indicates inferred limit of burning.

To convert feet to meters, multiply feet by 0.3048.

NR is an average of 300 ft (91 m) of casing. Actual depth of casing not shown.

(10) ● GL 6525
NR 300
R 170
C 7(Fr zone)
R 49
C 3(Fr 1)
R 857
C 5(Me zone)
R 81
C 4(Me zone)
R 67
C 3(Me zone)
R 1200
C 3(Me zone)
R 2475
TD 5220

(16) ● GL 6340
NR 169
R 647
C 3(Me zone)
R 1505
C 3(Me zone)
R 12
C 4(Me zone)
R 2434
TD 4777

(14) GL 6340
C 1.3(Fr zone)
R .5
C .8(Fr zone)
R .2
C .7(Fr zone)

(15) GL 6340
C .5(Fr zone)
R .5
C .4(Fr zone)
R .5
C .5(Fr zone)

(17) ● GL 6255
NR 66
R 824
C 2(Me zone)
R 3733
TD 4625

(18) GL 6300
C 1.8(Fr zone)
R 2.2
C 1.6(Fr zone)
R .1
C 2.7(Fr zone)

(19) GL 6300
C 1.8(Fr zone)
R 1.4
C 1.7(Fr zone)

(13) GL 6360
C .4(Fr zone)
R .1
C 2.8(Fr zone)

(12) GL 6370
C .5(Fr zone)
R .2
C 1.4(Fr zone)
R .2
C 2.1(Fr zone)
R .2
C .4(Fr zone)
R 1.6
C 1.2(Fr zone)

(11) GL 6375
C .4(Fr zone)
R .2
C 1.5(Fr zone)
R .4
C .4(Fr zone)
R .2
C 1.2 (Fr zone)

(2) GL 6419
C .4(Fr zone)
R .2
C 1.7(Fr zone)
R .3
C 3.5(Fr zone)
R .2
C .5(Fr zone)

(1) GL 6420
C .4(Fr zone)
R .2
C .3(Fr zone)
R .2
C .3(Fr zone)
R .4
C .7(Fr zone)
R .2
C 1.2(Fr zone)
R .2
C .6(Fr zone)
R .1
C 1.6(Fr zone)

(3) GL 6420
C .2(Fr zone)
R .2
C .4(Fr zone)
R .2
C 1.2(Fr zone)
R .3
C 3.2(Fr zone)
R .3
C .5(Fr zone)

(4) GL 6410
C .2(Fr zone)
R .2
C .4(Fr zone)
R .1
C 1.3(Fr zone)
R .3
C 3.2(Fr zone)
R .1
C .5(Fr zone)

(5) ● GL 6418
NR 2000
R 77
C 3(Me zone)
R 84
C 2(Me zone)
R 66
C 3(Me zone)
R 18
C 4(Me zone)
R 44
C 4(Me zone)
R 18
C 3(Me zone)
R 55
C 3(Me zone)
R 19
C 2.5(Me zone)
R 1424.5
TD 4429

(9) ● GL 6399
NR
TD 5644

(6) ● GL 6421
NR 300
R 301
C 2.5(Me zone)
R 120.5
C 2.5(Me zone)
R 23.5
C 2(Me zone)
R 18
C 3.5(Me zone)
R 86.5
C 3(Me zone)
R 157
C 2(Me zone)
R 18
C 2(Me zone)
R 57
C 2(Me zone)
R 299
C 2.5(Me zone)
R 84.5
C 2.5(Me zone)
R 292.5
C 3(Me zone)
R 193
C 2(Me zone)
R 32
C 2(Me zone)
R 36
C 4(Me zone)
R 54
C 3(Me zone)
R 11
C 3(Me zone)
R 32
C 2(Me zone)
R 1372
TD 3531

(7) ● GL 6411
NR 300
R 92
C 4(Me zone)
R 98
C 2(Me zone)
R 322
C 3(Me zone)
R 42
C 2(Me zone)
R 1217
C 3(Me zone)
R 1423
TD 3508

(8) ● GL 6360
NR
TD 4556

COLORADO
NEW MEXICO
37°00' 30' 15' 108°00' 45' 30' 15' 107°00' 45'
45' 30' 15' 36°00' 45'

MAP SHOWING LOCATION OF THE SARGENT RANCH QUADRANGLE (SHADED) AND THE SAN JUAN BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), NEW MEXICO

Base from U.S. Geological Survey, 1966

Compiled in 1979

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

GN MN
1°39' 29 MILS
13½° 240 MILS

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

NEW MEXICO
QUADRANGLE LOCATION

# COAL RESOURCE OCCURRENCE MAP OF THE SARGENT RANCH QUADRANGLE, SAN JUAN AND McKINLEY COUNTIES, NEW MEXICO

BY

DAMES & MOORE

1979

This map was prepared under contract to the U.S. Geological Survey and has not been edited for conformity with Geological Survey editorial standards. Opinions and conclusions expressed herein do not necessarily represent those of the Geological Survey.

PLATE 1
COAL DATA MAP