UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATERFLOW QUADRANGLE
NEW MEXICO-SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-793
PLATE 1 OF 19

4357 I (CHIMNEY ROCK)

4357 IV NW (HEIFER POINT)

4357 IV NE (FOURMILE LAKE)

4357 I V SE (YOUNGS LAKE)

108°30' 27'30" 25' 108°22'30" 36°52'30"

T. 31 N. T. 30 N. T. 29 N. R. 16 W. R. 15 W.

47'30" 45'

EXPLANATION

(25) GL 5316 / NR 300 / R 1404 / C 5 (Me 4) / R 848 / C 3 (Me 6) / R 1790 / TD 4350

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

(12) GL 5510 / C 1.0 (Fr zone) / R 30.0 / C 0.5 (Fr 3) / R 3.5 / C 2.0 (Fr 3)

LINE OF MEASURED SECTION - Showing rock interval and coal thickness, in feet. Index number refers to measured section 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 3 - Fruitland 3 bed
Fr 2 - Fruitland 2 bed
Fr 1 - Fruitland 1 bed
L - Local bed
Me zone - Menefee zone
Me 1 - Menefee 1 bed
Me 2 - Menefee 2 bed
Me 3 - Menefee 3 bed
Me 4 - Menefee 4 bed
Me 5 - Menefee 5 bed
Me 6 - Menefee 6 bed

COAL BED AND COAL ZONE SYMBOLS AND NAMES

(57) GL 5420 / C 7.7 / R 7.0 / C 1.7

Me 2

TRACE OF COAL BED OUTCROP - Showing rock interval and coal thickness, in feet, measured at triangle. Index number refers to well on Plate 3 of CRO map. Arrow points toward the coal-bearing area. Dashed where inferred.

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

SAN JUAN MINE (Fr 1)

COAL MINE SYMBOLS - Surface coal mine showing name of mine and beds removed; hachures point to mined out areas.

ABANDONED COAL MINE

X
PROSPECT

To convert feet to meters, multiply feet by 0.3048.

Menefee coal beds are not formally named, but are designated for identification purposes in this quadrangle only.

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

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 WATERFLOW QUADRANGLE (SHADED) AND THE SAN JUAN BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), NEW MEXICO

Base from U.S. Geological Survey, 1963

Compiled in 1979

SCALE 1:24 000

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

GN MN 1°32' 27 MILS 14° 249 MILS

UTM GRID AND 1963 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

NEW MEXICO

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE WATERFLOW QUADRANGLE, SAN JUAN COUNTY, 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