UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEVEN LAKES NE QUADRANGLE
NEW MEXICO—MC KINLEY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-638
PLATE I OF 17*

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

EXPLANATION

⑥ ● GL 6327
NR 89
R 1476
C 4.0 (MC1)
R 10+
TD 3790

DRILL HOLE-Shown solid for oil and gas, half open for uranium. Showing drill hole data, in feet. Index number refers to measurement on plate 3 of CRO map or in table of text.

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

DRILL HOLE AND MEASURED SECTION DATA SYMBOLS

CH Zone-Cliff House coal zone.
MA Zone-Menefee Allison coal zone.
MC Zone-Menefee Cleary coal zone.
MC3-Menefee Cleary No. 3 coal bed.
MC1-Menefee Cleary No. 1 coal bed.
COAL BED/ZONE SYMBOLS AND NAMES

① GL 6560
C 2.0 (MA Zone)
R 0.9
C 2.5 (MA Zone)
MA Zone

TRACE OF COAL BED OR ZONE OUTCROP-Showing rock interval and coal thickness, in feet, measured at triangle. Index number refers to measurement on plate 3 of CRO map or in table of text. * denotes data is located in open areas of drawing. 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.

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

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

To convert feet to meters, multiply feet by 0.3048.

* See additional partial area maps in report.

4456 II SW (PUEBLO BONITO) · 4456 III SE (SARGENT RANCH) · 4456 II SW (FIRE ROCK WELL)
4455 IV NW (SEVEN LAKES NW) · 4455 IV NW (PUEBLO PINTADO)
(SEVEN LAKES) 4455 IV SW · (WHITEHORSE) 4455 I SW · (KIN NAHZIN RUINS) 4455 IV SE

107° 52′ 30″ · 107° 45′ · 36° 00′ · 57′ 30″ · 55′ · 35° 52′ 30″ · 50′ · 47′ 30″
R. 10 W. · R. 9 W.
T. 20 N. · T. 19 N.

MA Zone
CH Zone

GL 6560
C 2.0 (MA Zone)
R 0.9
C 2.5 (MA Zone) ①

GL 6530
C 2.5 (MA Zone)
R 9.0
C 4.0 (MA Zone) ②

GL 6530
C 0.3 (MA Zone)
R 3.5
C 0.2 (MA Zone)
R 0.2
C 2.0 (MA Zone) ③

GL 6600
C 0.3 (MA Zone)
R 0.1
C 0.3 (MA Zone)
R 7.5
C 0.1 (MA Zone)
R 1.0
C 0.3 (MA Zone)
R 0.1
C 1.5 (MA Zone) ④

GL 6620
C 0.5 (MA Zone)
R 1.8
C 1.7 (MA Zone)
R 9.1
C 0.1 (MA Zone)
R 40.0
C 0.3 (MA Zone) ⑤

GL 6471
NR 94
R 63
C 3.0 (MA Zone)
R 182.5
C 2.5 (MA Zone)
R 83
C 2.0 (MA Zone)
R 327.5
C 2.5 (MA Zone)
R 14
C 2.0 (MA Zone)
R 12
C 2.0 (MA Zone)
R 253
C 2.0 (MA Zone)
R 352
C 2.0 (MC Zone)
R 118.5
C 2.0 (MC Zone)
R 103
C 2.5 (MC Zone)
R 63
C 3.0 (MC1)
R 10+
TD 3938 ⑧

GL 6414
NR 10
R 76
C 3.0 (MA Zone)
R 76
C 2.0 (MA Zone)
R 53
C 2.0 (MA Zone)
R 164.5
C 2.0 (MA Zone)
R 283.5
C 2.0 (MA Zone)
R 391
C 2.0 (MA Zone)
R 124.5
C 2.0 (MC Zone)
R 345.5
C 2.0 (MC Zone)
R 53
C 2.5 (MC1)
R 10+
TD 1750 ⑨

GL 6530
NR 67
R 136
C 2.5 (MA Zone)
R 6
C 2.0 (MA Zone)
R 121.5
C 3.0 (MA Zone)
R 33
C 2.0 (MA Zone)
R 27
C 1.0 (MA Zone)
R 2
C 1.0 (MA Zone)
R 13
C 2.0 (MA Zone)
R 144
C 2.0 (MA Zone)
R 22
C 2.0 (MA Zone)
R 167
C 2.0 (MA Zone)
R 413
C 2.0 (MC Zone)
R 124
C 2.0 (MC Zone)
R 21
C 1.0 (MC Zone)
R 2.5
C 1.5 (MC Zone)
R 55
C 2.0 (MC Zone)
R 81
C 2.0 (MC Zone)
R 88
C 2.0 (MC Zone)
R 13
C 4.0 (MC1)
R 3
C 1.0 (MC1)
R 10+
TD 3900 ⑪

GL 6519
NR 197
R 923
C 2.0 (MC Zone)
R 36
C 2.0 (MC Zone)
R 223.5
C 2.5 (MC Zone)
R 21
C 2.0 (MC Zone)
R 46
C 2.0 (MC3)
R 15
C 2.0 (MC Zone)
R 23.5
C 2.0 (MC Zone)
R 19.5
C 3.0 (MC1)
R 2.5
C 1.5 (MC1)
R 10+
TD 2737 ⑫

GL 6390
NR 62
R 1045.5
C 2.0 (MC Zone)
R 56.5
C 2.0 (MC Zone)
R 114.5
C 3.5 (MC3)
R 72
C 4.5 (MC1)
R 10+
TD 3720 ⑬

GL 6575
NR 188
R 252
C 2.0 (MA Zone)
R 16
C 2.0 (MA Zone)
R 238
C 2.0 (MA Zone)
R 191
C 2.0 (MA Zone)
R 193
C 2.0 (MA Zone)
R 12
C 2.5 (MA Zone)
R 285
C 2.0 (MC Zone)
R 41
C 2.5 (MC Zone)
R 64.5
C 2.0 (MC Zone)
R 40
C 2.0 (MC Zone)
R 38
C 2.0 (MC Zone)
R 38
C 3.0 (MC1)
R 10+
TD 5087 ⑩

GL 6416
NR 98
R 196
C 2.0 (MA Zone) ⑦ *
R 46.5
C 2.5 (MA Zone)
R 38
C 3.0 (MA Zone)
R 11
C 2.0 (MA Zone)
R 81
C 1.5 (MA Zone)
R 1.0
C 0.5 (MA Zone)
R 3.5
C 0.5 (MA Zone)
R 256
C 2.0 (MA Zone)
R 144
C 2.0 (MA Zone)
R 160
C 2.0 (MA Zone)
R 102
C 2.0 (MC Zone)
R 2.5
C 1.5 (MC Zone)
R 228
C 0.5 (MC Zone)
R 1.0
C 2.0 (MC Zone)
R 40.5
C 3.0 (MC Zone)
R 3.5
C 1.5 (MC Zone)
R 46
C 2.0 (MC Zone)
R 26
C 2.0 (MC Zone)
R 46
C 4.0 (MC1)
R 3.5
C 0.5 (MC1)
R 10+
TD 4907

GL 6436
NR 99
R 450
C 2.0 (MA Zone)
R 687
C 2.0 (MC3)
R 50
C 2.0 (MC Zone)
R 7.0
C 3.0 (MC 1)
R 3
C 3.0 (MC 1)
R 10+
TD 3640 ⑭

GL 6589
NR 100
R 148
C 2.0 (MA Zone)
R 648
C 2.0 (MC Zone)
R 125
C 3.0 (MC Zone)
R 50
C 2.0 (MC Zone)
R 81.5
C 2.5 (MC Zone)
R 26
C 2.5 (MC Zone) ⑮
R 53.5
C 2.0 (MC 3)
R 67
C 2.0 (MC 1)
R 10+
TD 2670

Base from U.S. Geological Survey, 1970
Compiled in 1978

SCALE 1:24000
1 MILE · 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET · 1 KILOMETER

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN · MN · 1°39′ 29 MILS · 13° 231 MILS

NEW MEXICO
QUADRANGLE LOCATION

109° · 108° · 107° · 30′ · 36° · 35°
ARIZONA · NEW MEXICO · Gallup · Project Area · Albuquerque

MAP SHOWING LOCATION OF QUADRANGLE (WITHIN THE PROJECT AREA) AND THE KNOWN RECOVERABLE COAL RESOURCE AREAS (STIPPLED), NEW MEXICO

COAL RESOURCE OCCURRENCE MAP OF THE SEVEN LAKES NE QUADRANGLE, McKINLEY COUNTY, NEW MEXICO

BY

BERGE EXPLORATION, INC.

1979

PLATE I
COAL DATA MAP