# Coal-bearing formations and available coal data in the eastern and southern San Juan Basin on the Navajo Reservoir, Chama, Abiquiu, Los Alamos, Albuquerque, Acoma Pueblo and Fence Lake 1:100,000 quadrangles

by
Gretchen K. Hoffman

Open-file Report 369
August, 1990

# Table of Contents

**Introduction:**

Part of the New Mexico Bureau of Mines and Mineral Resources contract with the U.S. Geological Survey National Coal Resource Data System (NCRDS) is to supply information on the outcrops of the coal bearing formations in New Mexico. Most of the coals in New Mexico are lenticular and therefore plotting individual coal bed outcrops, although it has been done in some areas, is not feasible for most of the states coal fields. Instead, the outcrops of the coal-bearing formations have been compiled from many sources onto 1:100,000 quadrangle base maps. The seven maps included cover the southern and eastern San Juan Basin.

It is hoped these maps and subsequent maps for other coal fields in New Mexico will allow the public greater access to the coal data files by giving them a visual representation of what information is available in the computerized data bases. Both this open-file and open-file report 363 will be updated as information is added to the data base.

**Method of Work:**

Using the most accurate and/or the most recent geologic maps available (see References) coal-bearing formations were plotted by hand on 1:100,000 scale topographic maps. Active or permitted coal mine areas were also put on these work maps. This information was digitized using a Rockware program (Digitize) to create an ASCII file of the digitizied points. The ASCII file was compiled using Rockware programs into a Binary Graphic file (BGF). This file allows the compiler to see how the digitized points look graphically. Any editing of the points was done on the ASCII file and then recompiled into a BGF. The program allows the user to create a text file after the BGF is displayed, which facilitates the labeling of township and range, mines, county boundaries, etc. This ASCII text file was converted to a BGF file and combined with the base map BGF.

Computerized data base files of all the coal-bearing formations were searched for the non-confidential points within the maximum and minimum latitude and longitude of each 1:100,000 quadrangle. ASCII files were created from these searches and compiled for each quadrangle. Printouts of these files are enclosed. These printouts included data about the location, elevation, well name, source, formation, member, USTRAT number for the NCRDS, and the coal field. The printouts also contain the total coal thickness, maximum depth, and number of coal beds for each data point. From these ASCII files BGF's were created using Rockware's Point Map program to plot the maximum depth of the coal and total coal thickness at the specified latitude and longitude of each data point in the file. Plots of these points were made over a plot of the base map using the same dimensions for both plots. For each quadrangle the point locations were checked to ensure the latitude and longitudes coincided with the township, range and section information for each point.

Two final sets of base maps with point-source data were plotted for each quadrangle. One set shows the maximum depth for the coal data points in one or more of the formations outcropping on the particular 1:100,000 quadrangle. The maximum depth may or may not represent the maxiumum depth of all coals within the formation at the point, depending on the type of data, (i.e. drill hole or outcrop). The other set of maps has the total coal thickness data. The values on these maps represent the sum of all the coal bed thicknesses for each data point plotted.

**Conclusion:**

As a first attempt to present the data the maximum depth was selected to show the availability of both the surface minable and deep coal data in the data bases. The total coal thickness data shows some geographic trends within a formation, and when combined with the information supplied on the number of beds, gives an average coal thickness.

These seven maps along with those in open-file report 363 cover the remainder of the San Juan Basin, except for the Magdalena and the Quemado 1:100,000 quadrangles which cover the southern portions of the Datil Mountains and Salt Lake coal fields, respectively. These two quadrangles and the the Raton 1:100,000 are the next major areas to compile and digitize.

Future plans include the use of these base maps to plot points from the data bases within the different thickness and depth categories for coal resource evaluation. Along with these data, the quality information such as Btu and sulfur will be plotted for use in evaluation of resources. Plotting this information on maps aids in cross checking of the computerized data for location and duplication, and also facilitates the use of the data in a way that is more useful for the geologist and general public.

## Key to the coal data files for the 1:100,000 quadrangles

Each data file printout has a comment line at the beginning to indicate the quadrangle and formation covered by the data. The next comment line is the name of the data file that follows and refers to the data base where the data points are located. The format for the data file name is *_*_*.prt. The first * is the formation name abbreviated, the second * is the field name abbreviation, and the third * is the 1:100,000 quadrangle name abbreviation. There may be several of these .prt comments in one printout because the data bases are organized according to field and formation, and may overlap into several 1:100,000 quadrangles.

The next comment line contains the titles for each column of data. The following is a short explanation of each column.

x-coord, y-coord: The longitude and latitude of the data point in decimal form for the computer plotting program.

Elev., Location, Sec. T. R.: The elevation and geographic location of each data point.

Total Coal, Max Depth, # Seams: Total coal equals the sum of all the coal thickness for one data point and Max Depth is the depth to the top of the deepest coal for a data point. Both these values are plotted on the quadrangle maps. The # Seams is the total number of seams for a given data point. Each seam is entered separately into the data base.

Latitude, Longitude: The actual latitude and longitude in degrees, minutes and seconds for each data point.

Well Number: The name or number of the well given by the source of the data.

USTRAT: The identification number assigned to the data point when it was entered into the National Coal Resource Data system. Not all points listed are in the data system because some do not have enough stratigraphic data to warrant entry or have been (supposedly) entered by the original source (i.e. CROCDP project).

Field, Fmtn, Member: "Field" is the designated coal field where the data is geographically located. "Fmtn" is the geologic formation of the coal, and "Member" is the geologic member, if applicable, that the coal is a within.

Source: The location, such as the NMBMMR Oil and Gas Library, or the published or unpublished source of the data point information. Most of the points represent information from geophysical logs, but some is from measured sections, or log descriptions.

Within the data itself there may be an "NA" or "ND" indicating there is no data available or none has been entered into that field

in the original data base.

All the information listed in the data file printouts is non-confidential. Further information on the data or sources of data is available upon request.

# References for 1:100,000 quadrangle compilations of coal-bearing formations and coal data, eastern and southern San Juan Basin

## Abiquiu 1:100,000


Manley, K., Scott, G.R., Wobus, R.A., 1987, Geologic map of Aztec $1^0X2^0$ quadrangle, northwestern New Mexico and southern Colorado: U.S. Geological Survey, Misc. Geologic Investigations Map I-1730.

Woodward, L.A., Gibson, G.G., and McLelland, D., 1976, Geology of the Gallina quadrangle, Rio Arriba County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-39, scale 1:24,000.

Woodward, L. A., McLelland, D., Anderson, J.B., and Kauffman, W.H., 1970 Geologic map of Cuba quadrangle, New Mexico: New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-25, scale 1:24,000.


## Acoma Pueblo 1:100,000


Hunt, C.B., 1936, Geology and fuel resources of the southern part of the San Juan Basin, New Mexico, Part 2. The Mount Taylor coal field: U.S. Geological Survey Bulletin 860-B plate 19.

Maxwell, C.H., 1977, Preliminary geologic map of the Los Pilares quadrangle, Valencia County, New Mexico: U.S. Geological Survey Open-file Report 77-240, scale 1:24,000.

Maxwell, C.H., 1977, Preliminary geologic map of the Crow Point quadrangle, Valencia County, New Mexico: U.S. Geological Survey Open-file Report 77-323, scale 1:24,000.

Maxwell, C.H., 1979, Geologic map of East Mesa quadrangle, Valencia County, New Mexico: U.S. Geological Survey Geologic Quadrangle Map GQ-1522, scale 1:24,000.

Maxwell, C.H., 1986, Geologic map of El Malpais lava field and surrounding areas, Cibola County, New Mexico: U.S. Geological Survey Misc. Geologic Investigations Map I-1595.

Maxwell, C.H., unpublished, Geologic map of Broom Mountain quadrangle, Cibola County, New Mexico.

Moore, S.L., unpublished, Geologic maps of Laguna Honda, Blue Mesa, Sand Canyon, Cebollita Peak, and Mecate Meadow quadrangles, Cibola County, New Mexico.

Osburn, J.C., 1984, Geology of Pueblo Viejo Mesa quadrangle, Socorro and Cibola counties, New Mexico: New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-55, scale 1:24,000.

Osburn, J.C., 1985, Geology and coal resources of Wild Horse Canyon quadrangle, Catron and Cibola counties, New Mexico: New Mexico Bureau of Mines and Mineral Resources Open-file Report 227, scale 1:24,000.

**Albuquerque 1:100,000**

Hunt, C.B., 1936, Geology and fuel resources of the southern part of the San Juan Basin, New Mexico, Part 2. The Mount Taylor coal field: U.S. Geological Survey Bulletin 860-B plate 19.

Shoemaker, J.W., Beaumont, E.C., and Kottlowski, F.E., 1971, Strippable low sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bureau of Mines and Mineral Resources Memoir 25, p. 93.

Kelley, V.C., Northrop, S.A., 1975, Geology of the Sandia Mountains and vicinity, New Mexico: New Mexico Bureau of Mines and Mineral Resources Memoir 29, map 1.

Black, B.A., 1979, Structure and stratigraphy of the Hagan embayment: A new look:, New Mexico Geological Society 30th Guidebook, pp. 101-105.

Bachman, G.O., 1975, Geologic map of the Madrid quadrangle, Santa Fe and Sandoval counties, New Mexico: U.S. Geological Survey Geologic Quadrangle Map GQ-1268, 1:62,500 scale.

**Chama 1:100,000**

Manley, K., Scott, G.R., Wobus, R.A., 1987, Geologic map of Aztec $1^0X2^0$ quadrangle, northwestern New Mexico and southern Colorado: U.S. Geological Survey, Misc. Geologic Investigations Map I-1730.

Dane, C.H., 1948, Geologic map of a part of eastern San Juan Basin, Rio Arriba County, New Mexico: U.S. Geological Survey Oil and Gas Preliminary Investigations Map 78.

**Fence Lake 1:100,000**

Anderson, O.J., 1986, Geologic map of Fence Lake, New Mexico 1:100,00 metric sheet: New Mexico Bureau of Mines and Mineral Resources Open-file Report 220.

Anderson, O.J., 1986a, Geology and mineral resources of York Ranch SE quadrangle, Cibola and Carton counties, New Mexico: New Mexico Bureau of Mines and Mineral Resources Open-file Report 220, scale 1:24,000.

Anderson, O.J., 1987, Geology and coal resources of Atarque Lake 1:50,000 quadrangle, New Mexico (NW quadrant of Fence Lake 1:100,000 sheet): New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-61.

Arkell, B.W., 1984, Geology and coal resources of the Techado quadrangle, Catron and Cibola counties: New Mexico Bureau of Mines and Mineral Resources Open-file Report 221, scale 1:24,000.

Arkell, B.W., 1984a, Geology of Veteado Mountain quadrangle, Catron and Cibola counties, New Mexico: New Mexico Bureau of Mines and Mineral Resources Open-file Report 222, scale 1:24,000.

Campbell, F., 1989, Geology and coal resources of Fence Lake 1:50,000 quadrangle, New Mexico (SW quadrant of Fence Lake 1:100,000 sheet): New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-62.

Mapel, W.J., 1985, Geologic map of the Nicoll Lake quadrangle, Cibola and McKinley counties, New Mexico: U.S. Geological Survey Misc. Field Studies Map MF-1757 scale, 1:24,000.

Mapel, W.J., and Yesburger, W.L., 1985, Geologic map of the Red Lake Mission quadrangle, Cibola County, New Mexico: U.S. Geological Survey Misc. Field Studies Map MF-1758, scale 1:24,000..

Mapel, W.J., and Yesburger, W.L., 1985a, Geologic map of the Goat Hill quadrangle, Cibola County, New Mexico: U.S. Geological Survey Misc. Field Studies Map MF-1727, scale 1:24,000.

**Los Alamos 1:100,000**

Hunt, C.B., 1936, Geology and fuel resources of the southern part of the San Juan Basin, New Mexico, Part 2. The Mount Taylor coal field: U.S. Geological Survey Bulletin 860-B plate 19.

Shoemaker, J.W., Beaumont, E.C., and Kottlowski, F.E., 1971, Strippable low sulfur coal resources of the San Juan Basin in New Mexico and Colorado: New Mexico Bureau of Mines and Mineral Resources Memoir 25, p. 93.

Woodward, L.A., Anderson, J.B., Kauffman, W.H., Reed, R.K., 1973, Geologic map and sections of San Pablo quadrangle, New Mexico:

New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-26, scale 1:24,000.

Woodward, L,A., Schumacher, O.L., 1973, Geologic map and sections of La Ventana quadrangle, New Mexico: New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-28, scale 1:24,000.

**Navajo Reservoir 1:100,000**

Manley, K., Scott, G.R., Wobus, R.A., 1987, Geologic map of Aztec $1^0X2^0$ quadrangle, northwestern New Mexico and southern Colorado: U.S. Geological Survey, Misc. Geologic Investigations Map I-1730.

Dane, C.H., 1948, Geologic map of a part of eastern San Juan Basin, Rio Arriba County, New Mexico: U.S. Geological Survey Oil and Gas Preliminary Investigations Map 78.

## List of 1:100,000 Quadrangle Maps*

1.) Coal-bearing formations and available coal data, Abiquiu 1:100,000 Quadrangle, Fruitland Formation, Total Coal Thickness.

2.) Coal-bearing formations and available coal data, Abiquiu 1:100,000 Quadrangle, Fruitland Formation, Maximum Depth.

3.) Coal-bearing formations and available coal data, Acoma Pueblo 1:100,000 Quadrangle, Crevasse Canyon Formation, Total Coal Thickness.

4.) Coal-bearing formations and available coal data, Acoma Pueblo 1:100,000 Quadrangle, Crevasse Canyon Formation, Maximum Depth.

5.) Coal-bearing formations and available coal data, Albuquerque 1:100,000 Quadrangle, Mesaverde Group and Crevasse Canyon Formation, Total Coal Thickness.

6.) Coal-bearing formations and available coal data, Albuquerque 1:100,000 Quadrangle, Mesaverde Group and Crevasse Canyon Formation, Maximum Depth.

7.) Coal-bearing formations and available coal data, Chama 1:100,000 Quadrangle, Menefee Formation, Total Coal Thickness.

8.) Coal-bearing formations and available coal data, Chama 1:100,000 Quadrangle, Menefee Formation, Maximum Depth.

9.) Coal-bearing formations and available coal data, Fence Lake 1:100,000 Quadrangle, Moreno Hill Formation, Total Coal Thickness.

10.) Coal-bearing formations and available coal data, Fence Lake 1:100,000 Quadrangle, Moreno Hill Formation, Maximum Depth.

11.) Coal-bearing formations and available coal data, Los Alamos 1:100,000 Quadrangle, Menefee Formation, Total Coal Thickness.

12.) Coal-bearing formations and available coal data, Los Alamos 1:100,000 Quadrangle, Menefee Formation, Maximum Depth.

13.) Coal-bearing formations and available coal data, Navajo Reservoir 1:100,000 Quadrangle, Fruitland Formation, Total Coal Thickness.

14.) Coal-bearing formations and available coal data, Navajo Reservoir 1:100,000 Quadrangle, Fruitland Formation, Maximum Depth.

* (Note: Formation referred to in map title is formation(s) with point-source data. Other coal-bearing formations may outcrop on the quadrangle and are indicated in the map "Explanation".)

:Mesaverde Group, Hagan and Cerrillos fields, Albuquerque 1:100,000
:msa_c_ab.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Member | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -106.1589 | 35.3856 | 6364 | SESENE | 2 | 13N | 7E | 6 | 117 | 2 | 352308 | 1060932 | DH 11 | SF014 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1422 | 35.3986 | 6137 | NENESE | 36 | 14N | 7E | 2 | 148 | 1 | 352355 | 1060832 | DH 1A | SF006 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1639 | 35.4389 | 5788 | NESWSE | 14 | 14N | 7E | 3 | 60 | 1 | 352620 | 1060950 | DH 2 | SF005 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1633 | 35.4339 | 5809 | NENESW | 23 | 14N | 7E | 8.6 | 134 | 4 | 352602 | 1060948 | DH 3 | SF007 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1617 | 35.4283 | 5878 | NESESE | 23 | 14N | 7E | 9.2 | 146 | 5 | 352542 | 1060942 | DH 4 | SF008 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1644 | 35.4222 | 5940 | SWSESE | 23 | 14N | 7E | 8.1 | 110 | 4 | 352520 | 1060952 | DH 5A | SF009 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1778 | 35.4250 | 5844 | SWSESE | 23 | 14N | 7E | 2.8 | 100 | 2 | 352530 | 1061000 | DH 5C | SF011 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.1572 | 35.3914 | 6286 | NWNWNW | 1 | 13N | 7E | 7.5 | 63 | 3 | 352329 | 1060926 | DH 8 | SF012 | CERRILLOS | MESAVERDE | | HORIZON MINING |
| -106.3092 | 35.3153 | 5840 | SWNWNE | 33 | 13N | 6E | 1.5 | 550.3 | 1 | 351855 | 1061833 | PROS1 | S91 | HAGAN | MESAVERDE | | HAGAN COAL MINES |
| -106.3103 | 35.3144 | 5850 | NWSWNE | 33 | 13N | 6E | 8.7 | 597.7 | 4 | 351852 | 1061837 | PROS2 | S92 | HAGAN | MESAVERDE | | HAGAN COAL MINES |

:Crevasse Canyon Formation, Rio Puerco field, Albuquerque 1:100,000
:crv_rp_a.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Member | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -106.8206 | 35.4731 | 5720 | SESWNE | 3 | 14N | 1E | 9.2 | 60 | 2 | 352823 | 1064914 | 860-B-271-OC | S087 | RIO PUERCO | CREVASSE | GIBSON | USGS BULL 860-B |
| -106.7969 | 35.4714 | 5700 | NWNWSW | 1 | 14N | 1E | 2.3 | 60 | 1 | 352817 | 1064749 | 860-B-273-OC | S086 | RIO PUERCO | CREVASSE | GIBSON | USGS BULL 860-B |
| -106.7767 | 35.4703 | 5720 | NENWSW | 6 | 14N | 2E | 3.2 | 60 | 1 | 352813 | 1064636 | 860-B-275-OC | S088 | RIO PUERCO | CREVASSE | GIBSON | USGS BULL 860-B |
| -106.7689 | 35.4764 | 5640 | SWNWNE | 6 | 14N | 2E | 1.3 | 60 | 1 | 352835 | 1064608 | 860-B-276-OC | S085 | RIO PUERCO | CREVASSE | GIBSON | USGS BULL 860-B |

:Fruitland Formation, San Juan Basin, Abiquiu 1:100,000 quadrangle.
:ft_sj_ab.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -106.8908 | 36.3414 | 7140 | SESWNE | 1 | 24N | 1W | 10 | 2316 | 1 | 362029 | 1065327 | BENSON-MONTIN GREER | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9186 | 36.4100 | 7174 | NWNWSW | 11 | 25N | 1W | 2 | 2795 | 1 | 362436 | 1065507 | BOLACK GREER INC #12-11 CANADA OJITOS | NA | SAN JUAN | FRUITLAND | CROCDP OF 79-607 |
| -106.9186 | 36.3889 | 7144 | SENENE | 23 | 25N | 1W | 4 | 2474 | 1 | 362320 | 1065507 | BOLACK GREER INC #23-A CANADA OJITOS | NA | SAN JUAN | FRUITLAND | CROCDP OF 79-607 |
| -106.9172 | 36.3056 | 7152 | NESWSW | 14 | 24N | 1W | 11 | 2761 | 1 | 361820 | 1065502 | EMPIRE STATES DRLG #1 JACKSON CUCCIA | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9242 | 36.2919 | 7202 | NWSESE | 22 | 24N | 1W | 10 | 2830 | 1 | 361731 | 1065527 | SHAR-ALAN #1 EMMA MCDANIEL | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9239 | 36.2861 | 7197 | SWNENE | 27 | 24N | 1W | 4 | 2822 | 2 | 361710 | 1065526 | SHAR-ALAN #1 WASSON FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9411 | 36.2992 | 7202 | NWSENE | 21 | 24N | 1W | 14 | 2985 | 2 | 361757 | 1065628 | SHAR-ALAN #1 WENTZ FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9250 | 36.2783 | 7348 | C_SE | 27 | 24N | 1W | 2 | 2913 | 1 | 361642 | 1065530 | SHAR-ALAN #2 DUFF | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |
| -106.9067 | 36.3347 | 7174 | NWSESE | 2 | 24N | 1W | 16 | 2640 | 2 | 362005 | 1065424 | SHAR-ALAN #2X LILLIAN STATE | NA | SAN JUAN | FRUITLAND | CROCDP OF79-608 |

:Menefee Formation, Monero field, Chama 1:100,000
:mn_m_ch.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Member | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -106.9181 | 36.9181 | 7200 | NESWNE | 10 | 31N | 1W | 3.9 | 0 | 1 | 365505 | 1065505 | 2121(RA 15) | NA | MONERO | MENEFEE | | USBM TECH 569 |
| -106.9769 | 36.9133 | 6920 | NENESW | 7 | 31N | 1W | 2.8 | 0 | 1 | 365448 | 1065837 | 2122 | NA | MONERO | MENEFEE | | USBM TECH 569 |
| -106.9550 | 36.9181 | 6940 | SWNE | 8 | 31N | 1W | 6.5 | 0 | 1 | 365505 | 1065718 | 31076 | NA | MONERO | MENEFEE | | USBM TECH PAPER 569 |
| -106.8392 | 36.8797 | 7617 | SWSWSW | 21 | 31N | 1E | 3 | 226.35 | 1 | 365247 | 1065021 | 31N1E21 | RA30 | MONERO | MENEFEE | | NMRDI |
| -106.8675 | 36.9339 | 7447 | SWNWNE | 6 | 31N | 1E | 1.5 | 195 | 1 | 365602 | 1065203 | 31N1E6 | RA32 | MONERO | MENEFEE | | NMRDI |
| -106.8403 | 36.9133 | 7862 | NWNWSW | 9 | 31N | 1E | 3 | 172.5 | 2 | 365448 | 1065025 | 31N1E9 | RA33 | MONERO | MENEFEE | | NMRDI |
| -106.9172 | 36.9139 | 7387 | NWNESE | 10 | 31N | 1W | 6.55 | 165.5 | 3 | 365450 | 1065502 | 31N1W10 | RA34 | MONERO | MENEFEE | | NMRDI |
| -106.8917 | 36.9153 | 7280 | NWSW | 12 | 31N | 1W | 4 | 0 | 1 | 365455 | 1065330 | A17885 | RA024 | MONERO | MENEFEE | | USBM TECH 569 |
| -106.7486 | 36.7764 | 8755 | ND | nd | 30N | 2E | 5 | 50 | 1 | 364635 | 1064455 | MS-5 | NA | MONERO | MENEFEE | | NMBM BULL 89 |
| -106.8406 | 36.9028 | 8220 | NWSWNW | 16 | 31N | 1W | 1.9 | 48.08 | 1 | 365410 | 1065026 | ROCHESTER NO 8 | NA | MONERO | MENEFEE | | ROCHESTER COAL |
| -106.8272 | 36.9006 | 8230 | NESW | 16 | 31N | 1E | 3.1 | 30 | 1 | 365402 | 1064938 | ROCHESTER NO. 10 | NA | MONERO | MENEFEE | | ROCHESTER COAL |
| -106.9450 | 36.8978 | 7080 | NESW | 16 | 31N | 1W | 1.5 | 19 | 1 | 365352 | 1065642 | ROCHESTER NO. 6 | NA | MONERO | MENEFEE | | ROCHESTER COAL |
| -106.9381 | 36.8947 | 7440 | SWSE | 16 | 31N | 1W | 2.6 | 80.6 | 1 | 365341 | 1065617 | ROCHESTER NO. 7 | NA | MONERO | MENEFEE | | ROCHESTER COAL |
| -106.8375 | 36.8992 | 7880 | NENWSW | 16 | 31N | 1E | 7.46 | 120 | 2 | 365357 | 1065015 | ROCHESTER NO. 9 | NA | MONERO | MENEFEE | | ROCHESTER COAL |

Crevasse Canyon Formation, Datil Mountains field, Acoma Pueblo 1:100,000 quadrangle
crv_d_ap.prt

| x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107.5853 | 34.5181 | 6475 | NESWNE | 5 | 3N | 7W | 5.8 | 286 | 4 | 343105 | 1073507 | 37-5-1 | NA | DATIL | CREVASSE | NMBMMR |
| 107.6103 | 34.5489 | 6600 | SENENW | 30 | 4N | 7W | 6.7 | 60 | 4 | 343256 | 1073637 | 47-30-2 | NA | DATIL | CREVASSE | NMBMMR |
| 107.6125 | 34.5286 | 6722 | NENESW | 31 | 4N | 7W | 1.2 | 319.5 | 1 | 343143 | 1073645 | 47-31-1 | NA | DATIL | CREVASSE | NMBMMR |
| 107.7767 | 34.9214 | 7800 | NWNESW | 15 | 8N | 9W | 2.7 | 150.5 | 1 | 345517 | 1074636 | P&M 2 | C1006 | DATIL | CREVASSE | NICKELSON |
| 107.7419 | 34.8508 | 7825 | SWNESW | 12 | 7N | 9W | 7.1 | 97 | 3 | 345103 | 1074431 | P&M 3 | C1005 | DATIL | CREVASSE | NICKELSON |
| 107.7811 | 34.8550 | 7945 | NWNWNW | 10 | 7N | 9W | 4.7 | 127.5 | 2 | 345118 | 1074652 | P&M 4 | C1004 | DATIL | CREVASSE | NICKELSON |
| 107.7456 | 34.8419 | 7830 | NWNWNW | 13 | 7N | 9W | 3.3 | 116.7 | 1 | 345031 | 1074444 | P&M 7 | C1003 | DATIL | CREVASSE | NICKELSON ACOMA PERMIT |

:Moreno Hill Formation, Salt Lake field, Fence Lake 1:100,000
:mn_sl_fl.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Member | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -108.5542 | 34.5186 | 6680 | SENENW | 6 | 3N | 16W | 9 | 50 | 1 | 343107 | 1083315 | 316-6-1 | CT042 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5750 | 34.5136 | 6762 | NENWSW | 1 | 3N | 17W | 9.6 | 148.95 | 3 | 343049 | 1083430 | 3N17W1 | CT49 | SALT LAKE | MORENO HILL | | NMRDI |
| -108.5072 | 34.5900 | 6920 | NWSWNW | 10 | 4N | 16W | 2.1 | 252 | 1 | 343524 | 1083026 | 416-10-1 | CI025 | SALT LAKE | MORENO HILL UPPER | | NMBM OF 144 |
| -108.5467 | 34.5686 | 6760 | SWNESE | 18 | 4N | 16W | 3 | 38 | 1 | 343407 | 1083248 | 416-18-1 | CT007 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5036 | 34.5639 | 6810 | NWNENW | 22 | 4N | 16W | 7.2 | 244 | 3 | 343350 | 1083013 | 416-22-1 | CT008 | SALT LAKE | MORENO HILL UPPER | | NMBM OF 144 |
| -108.5031 | 34.6014 | 6980 | NWNESW | 3 | 4N | 16W | 3.6 | 106 | 2 | 343605 | 1083011 | 416-3-1 | NA | SALT LAKE | MORENO HILL UPPER | | NMBM OF 144 |
| -108.5519 | 34.5533 | 6790 | C | 31 | 4N | 16W | 11 | 66 | 2 | 343312 | 1083307 | 416-31-1 | CT006 | SALT LAKE | MORENO HILL | | NMBM OF 144 |
| -108.5478 | 34.5917 | 6850 | SWNENE | 7 | 4N | 16W | 2.4 | 53 | 1 | 343530 | 1083252 | 416-7-1 | VA003 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5478 | 34.5811 | 6845 | SWSESE | 7 | 4N | 16W | 4.8 | 127 | 2 | 343452 | 1083252 | 416-7-2 | VA005 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5750 | 34.5758 | 6870 | SWNWNE | 13 | 4N | 17W | 7 | 168 | 2 | 343433 | 1083430 | 417-13-1 | CT025 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5894 | 34.5731 | 6810 | SWSENW | 14 | 4N | 17W | 10.2 | 213 | 3 | 343423 | 1083522 | 417-14-1 | CT004 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5842 | 34.6067 | 6910 | SENWNE | 2 | 4N | 17W | 2 | 1 | 1 | 343624 | 1083503 | 417-2-OC1 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5925 | 34.5994 | 6895 | SENWSW | 2 | 4N | 17W | 2.8 | 1 | 1 | 343558 | 1083533 | 417-2-OC2 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5944 | 34.5619 | 6740 | SWNWNW | 23 | 4N | 17W | 13.3 | 107 | 3 | 343343 | 1083540 | 417-23-1 | CT005 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.6086 | 34.6017 | 6880 | NWNESW | 3 | 4N | 17W | 5.5 | 49 | 2 | 343606 | 1083631 | 417-3-1 | VA002 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.6911 | 34.5928 | 7333 | NESWSE | 11 | 4N | 18W | 7.8 | 432 | 4 | 343534 | 1084128 | 418-11-1 | CI026 | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.6642 | 34.5708 | 7000 | NWNWSW | 18 | 4N | 18W | 3.6 | 1 | 1 | 343415 | 1083951 | 4N17W18P18 | NA | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.6678 | 34.5661 | 6895 | SESESE | 13 | 4N | 18W | 7 | 1 | 1 | 343358 | 1084004 | 4N18W13P15 | NA | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.7311 | 34.5600 | 6760 | NWSENW | 21 | 4N | 18W | 1.5 | 1 | 1 | 343336 | 1084352 | 4N18W21A6 | NA | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.6972 | 34.5617 | 7040 | SENWNW | 23 | 4N | 18W | 1.4 | 1 | 1 | 343342 | 1084150 | 4N18W23P10 | NA | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.6772 | 34.5606 | 6900 | SWNENW | 24 | 4N | 18W | 9 | 15 | 4 | 343338 | 1084038 | 4N18W24P13 | NA | SALT LAKE | MORENO HILL LOWER | | NMBMMR |
| -108.5092 | 34.6508 | 7310 | NWNWNE | 22 | 5N | 16W | 5.5 | 175 | 3 | 343903 | 1083033 | 516-22-1 | NA | SALT LAKE | MORENO HILL UPPER | | NMBM OF 145 |
| -108.5653 | 34.6300 | 7300 | NENESW | 30 | 5N | 16W | 10.9 | 268 | 3 | 343748 | 1083355 | 516-30-1 | VA008 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5633 | 34.6150 | 7020 | SWNWSE | 31 | 5N | 16W | 1.5 | 104 | 1 | 343654 | 1083348 | 516-31-1 | VA004 | SALT LAKE | MORENO HILL | | NMBM OF 144 |
| -108.5825 | 34.6431 | 7225 | SENESW | 24 | 5N | 17W | 9 | 101 | 3 | 343835 | 1083457 | 517-24-1 | VA016 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5783 | 34.6303 | 7330 | NWNWSE | 25 | 5N | 17W | 13.9 | 194 | 4 | 343749 | 1083442 | 517-25-1 | VA006 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5731 | 34.6367 | 7240 | NENENE | 25 | 5N | 17W | 7.9 | 154 | 3 | 343812 | 1083423 | 517-25-3 | VA007 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.5939 | 34.6378 | 7225 | NENWNE | 26 | 5N | 17W | 6 | 188 | 2 | 343816 | 1083538 | 517-26-1 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.6103 | 34.6361 | 7172 | SWNENE | 27 | 5N | 17W | 2.2 | 137 | 1 | 343810 | 1083637 | 517-27-1 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.6208 | 34.6314 | 7150 | SESWNW | 27 | 5N | 17W | 5.7 | 99 | 2 | 343753 | 1083715 | 517-27-2 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.6683 | 34.6239 | 7155 | NENENW | 31 | 5N | 17W | 9.2 | 643 | 4 | 343726 | 1084006 | 517-31-1 | CI024 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.6236 | 34.6181 | 6910 | SWSWNW | 34 | 5N | 17W | 5.2 | 191 | 2 | 343705 | 1083725 | 517-34-1 | CI023 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 144 |
| -108.7589 | 34.6589 | 7225 | NWNESW | 17 | 5N | 18W | 2.3 | 322 | 1 | 343932 | 1084532 | 518-17-1 | CI022 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.7528 | 34.6278 | 7476 | NESWSE | 29 | 5N | 18W | 7 | 178 | 3 | 343740 | 1084510 | 518-29-1 | CI021 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.7706 | 34.6192 | 7515 | SESWNE | 31 | 5N | 18W | 1.5 | 129 | 1 | 343709 | 1084614 | 518-31-1 | CI020 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.7411 | 34.6164 | 7300 | NWNESW | 33 | 5N | 18W | 4.1 | 250 | 2 | 343659 | 1084428 | 518-33-1 | CI019 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.7783 | 34.6867 | 7070 | C_SW | 6 | 5N | 18W | 2 | 106 | 1 | 344112 | 1084642 | 518-6-1 | VA017 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.8836 | 34.6442 | 7190 | SENWSW | 19 | 5N | 19W | 2 | 167 | 1 | 343839 | 1085301 | 519-19-1 | CI018 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.8450 | 34.6378 | 7250 | SWSESW | 21 | 5N | 19W | 1.5 | 310 | 1 | 343816 | 1085042 | 519-21-1 | CI017 | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.8425 | 34.6242 | 7020 | NWNWNE | 33 | 5N | 19W | 5 | 1 | 1 | 343727 | 1085033 | 519-33-1 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.5556 | 34.6347 | 7302 | SENENE | 30 | 5N | 16W | 7.4 | 256.5 | 2 | 343805 | 1083320 | 5N16W30 | CI29 | SALT LAKE | MORENO HILL | | NMRDI |
| -108.5242 | 34.7069 | 7220 | NESWNE | 33 | 6N | 16W | 10.3 | 111 | 4 | 344225 | 1083127 | 616-33-1 | NA | SALT LAKE | MORENO HILL LOWER | | NMBM OF 145 |
| -108.5203 | 34.7097 | 7238 | NENENE | 33 | 6N | 16W | 1.4 | 129 | 1 | 344235 | 1083113 | 6N16W33 | CI30 | SALT LAKE | MORENO HILL | | NMRDI |

:Menefee Formation, La Ventana field, Los Alamos 1:100,000
:mn_lv_la.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Member | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -106.9650 | 35.8661 | 6740 | NWSENW | 20 | 19N | 1W | 4.3 | 120.4 | 3 | 355158 | 1065754 | 150 860C | S062 | LA VENTANA | MENEFEE | UPPER | USGS BULL 860C |
| -106.9422 | 35.9217 | 6920 | SESWNE | 33 | 20N | 1W | 6 | 103.8 | 1 | 355518 | 1065632 | 156 860C | S071 | LA VENTANA | MENEFEE | UPPER | USGS BULL 860C |
| -106.9172 | 35.9314 | 7120 | SWNWSW | 26 | 20N | 1W | 3.4 | 90.4 | 2 | 355553 | 1065502 | 157 860C | S072 | LA VENTANA | MENEFEE | UPPER | USGS BULL 860C |
| -106.9194 | 35.8103 | 7040 | NENENE | 10 | 18N | 1W | 6 | 589.3 | 2 | 354837 | 1065510 | 165 860C | S064 | LA VENTANA | MENEFEE | CLEARY | USGS BULL 860C |
| -106.9464 | 35.8583 | 6704 | NWSESW | 21 | 19N | 1W | 6.6 | 198.9 | 3 | 355130 | 1065647 | 19N1W21 | S106 | LA VENTANA | MENEFEE | CLEARY | NMRDI |
| -106.9758 | 35.8433 | 6625 | NESWSE | 30 | 19N | 1W | 6.85 | 212 | 4 | 355036 | 1065833 | 19N1W30 | S107 | LA VENTANA | MENEFEE | UPPER | NMRDI |
| -106.9353 | 35.9006 | 7064 | NESESE | 4 | 19N | 1W | 3.3 | 117.5 | 2 | 355402 | 1065607 | 19N1W4 | S104 | LA VENTANA | MENEFEE | CLEARY | NMRDI |
| -106.9531 | 35.8858 | 6786 | SESESE | 8 | 19N | 1W | 10.7 | 184.85 | 1 | 355309 | 1065711 | 19N1W8 | S105 | LA VENTANA | MENEFEE | UPPER | NMRDI |
| -106.9469 | 35.9158 | 6947 | NESESW | 33 | 20N | 1W | 13.1 | 258 | 3 | 355457 | 1065649 | 20N1W33 | S103 | LA VENTANA | MENEFEE | UPPER | NMRDI |
| -106.9531 | 35.9128 | 6810 | NENENE | 5 | 19N | 1W | 7.5 | 472 | 1 | 355446 | 1065711 | 77-4 | S042 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9619 | 35.9125 | 6810 | NENENW | 5 | 19N | 1W | 5.5 | 718 | 2 | 355445 | 1065743 | 77-5 | S040 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9711 | 35.9125 | 6725 | NENENE | 6 | 19N | 1W | 7.1 | 966 | 1 | 355445 | 1065816 | 77-6 | S038 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9792 | 35.9064 | 6645 | SWSWNE | 6 | 19N | 1W | 1.9 | 966.9 | 1 | 355423 | 1065845 | 78-23 | S035 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9981 | 35.8236 | 6820 | SENENW | 1 | 18N | 2W | 1.4 | 0 | 1 | 354925 | 1065953 | LV 1 | NA | LA VENTANA | MENEFEE | ALLISON | DANE 1936, PL. 54 NO. 140 |
| -106.9972 | 35.8253 | 6860 | NWNWNE | 1 | 18N | 2W | 1.6 | 2.2 | 1 | 354931 | 1065950 | LV 2 | NA | LA VENTANA | MENEFEE | CLEARY | DANE 1936, PL. 54 NO. 146 |
| -106.9964 | 35.8258 | 6750 | NWNWNE | 1 | 18N | 2W | 7.6 | 174.5 | 5 | 354933 | 1065947 | LV 3 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 148 |
| -106.9906 | 35.8314 | 6690 | SENESE | 36 | 19N | 2W | 3.3 | 42.9 | 2 | 354953 | 1065926 | LV 4 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL.54 NO. 147 |
| -106.9844 | 35.8469 | 6800 | NENWSW | 30 | 19N | 1W | 6.7 | 23.3 | 2 | 355049 | 1065904 | LV 6 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 141 |
| -106.9483 | 35.8922 | 6818 | SESENE | 8 | 19N | 1W | 10 | 282 | 1 | 355332 | 1065654 | LV 77-10 | S032 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9661 | 35.8922 | 6669 | SWSENE | 8 | 19N | 1W | 10 | 416 | 1 | 355332 | 1065758 | LV 77-32 | S030 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9481 | 35.8911 | 6952 | NWNESW | 9 | 19N | 1W | 7.4 | 78 | 1 | 355328 | 1065653 | LV 77-53 | S033 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9792 | 35.8939 | 6631 | NWNWSE | 18 | 19N | 1W | 8.9 | 522.2 | 2 | 355338 | 1065845 | LV 78-58 | S034 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9800 | 35.9125 | 6661 | NENENW | 6 | 19N | 1W | 13 | 752 | 1 | 355445 | 1065848 | LV-2 | S036 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9944 | 35.8900 | 6743 | NENWSE | 12 | 19N | 2W | 7.3 | 967.2 | 1 | 355324 | 1065940 | LV-8 | S027 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9783 | 35.8922 | 624 | SWSWNE | 7 | 19N | 1W | 9.1 | 762.9 | 2 | 355332 | 1065842 | LV1 78-63 | S028 | LA VENTANA | MENEFEE | UPPER | IDEAL BASIC MINE PLAN |
| -106.9492 | 35.8753 | 6880 | SENWSW | 16 | 19N | 1W | 6.2 | 39.4 | 2 | 355231 | 1065657 | SP 1 | NA | LA VENTANA | MENEFEE | ALLISON | DANE 1936, PL. 54 NO. 151 |
| -106.9144 | 35.9772 | 7120 | NENWSW | 11 | 20N | 1W | 4.6 | 0 | 1 | 355838 | 1065452 | SP 10 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 159 |
| -106.9147 | 35.9842 | 7260 | NENWNW | 2 | 20N | 1W | 2 | 0 | 1 | 355903 | 1065453 | SP 11 | NA | LA VENTANA | MENEFEE | ALLISON | DANE 1936, PL. 54 NO. 161 |
| -106.9431 | 35.9061 | 7000 | SWSWNE | 4 | 19N | 1W | 5.3 | 0 | 1 | 355422 | 1065635 | SP 4 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 154 |
| -106.9425 | 35.9125 | 7030 | SWNWNE | 4 | 19N | 1W | 6 | 0 | 1 | 355445 | 1065633 | SP 5 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 155 |
| -106.9125 | 35.9500 | 7050 | SWSENW | 23 | 20N | 1W | 11.2 | 10.1 | 3 | 355700 | 1065445 | SP 8 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 158 |
| -106.9097 | 35.9611 | 7240 | SWNWSE | 14 | 20N | 1W | 2 | 0 | 1 | 355740 | 1065435 | SP 9 | NA | LA VENTANA | MENEFEE | UPPER | DANE 1936, PL. 54 NO. 170 |

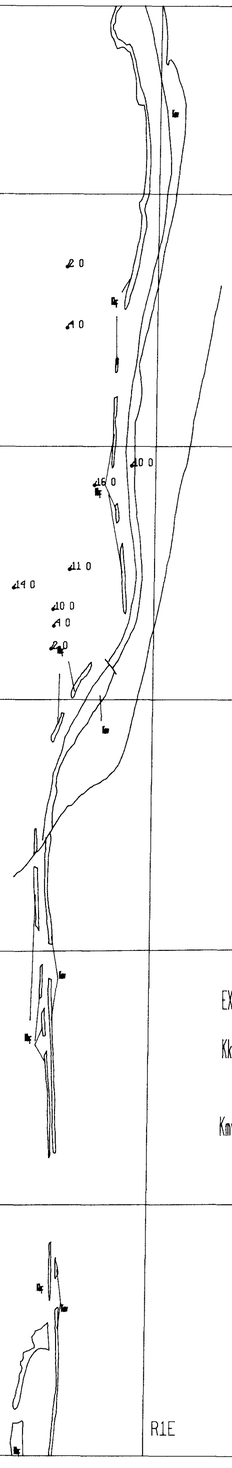
:Fruitland Formation, San Juan Basin Navajo Reservoir 1:100,000.
:frt_sj_n.prt

| :x-coord | y-coord | elev | Location | Sec. | T. | R. | Total Coal | Max Depth | #seams | Lat | Long | Well Number | USTRAT | Field | Fmtn | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -107.7378 | 36.7928 | 6048 | NESWSW | 24 | 30N | 9W | 11 | 2855 | 2 | 364734 | 1074416 | 11327 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.6497 | 36.8511 | 6300 | NENESW | 35 | 31N | 8W | 23 | 3068 | 3 | 365104 | 1073859 | 11564 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.0897 | 36.5486 | 7275 | SWNENE | 25 | 27N | 3W | 9 | 3869 | 2 | 363255 | 1070523 | 11901-173 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.1911 | 36.6928 | 6980 | SWNWSE | 30 | 29N | 3W | 13.5 | 3640 | 3 | 364134 | 1071128 | 12120-116 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5075 | 36.8536 | 6201 | SWNESW | 31 | 31N | 6W | 15 | 2982 | 3 | 365113 | 1073027 | 12278-69 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.3353 | 36.9544 | 7107 | NWSENW | 26 | 32N | 5W | 30 | 3799 | 2 | 365716 | 1072007 | 12285-53 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.3933 | 36.9325 | 6454 | NWSWSW | 32 | 32N | 5W | 36 | 3425 | 2 | 365557 | 1072336 | 12288-52 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8242 | 36.8094 | 6330 | SWNWSW | 18 | 30N | 9W | 18.5 | 3020 | 4 | 364834 | 1074927 | 13494 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8636 | 36.8725 | 6230 | NWSENE | 27 | 31N | 10W | 15.5 | 2956 | 3 | 365221 | 1075149 | 13876 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.4383 | 36.9997 | 6194 | SWNENE | 10 | 32N | 6W | 34 | 2745 | 2 | 365959 | 1072618 | 14380-50 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.4592 | 36.9853 | 6090 | SENWNE | 16 | 32N | 6W | 15 | 2629 | 1 | 365907 | 1072733 | 14382 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5136 | 36.9833 | 6843 | NESWNE | 13 | 32N | 7W | 26.5 | 2958 | 2 | 365900 | 1073049 | 14388 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5567 | 36.9761 | 6856 | NESESW | 15 | 32N | 7W | 49 | 3554 | 6 | 365834 | 1073324 | 14391-47 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5208 | 36.9631 | 6500 | SWNESW | 24 | 32N | 7W | 40 | 3178 | 2 | 365747 | 1073115 | 14396-49 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7019 | 36.9664 | 6812 | SENWSW | 20 | 32N | 8W | 134 | 3664 | 8 | 365759 | 1074207 | 14401-46 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7439 | 36.9614 | 6520 | NWNENE | 26 | 32N | 9W | 9.5 | 3650 | 2 | 365741 | 1074438 | 14403 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9794 | 36.9947 | 6435 | NWSESW | 10 | 32N | 11W | 12 | 2970 | 1 | 365941 | 1075846 | 14445 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.3739 | 36.6983 | 6742 | SWSENE | 30 | 29N | 5W | 20 | 3637 | 2 | 364154 | 1072226 | 14581-111 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9353 | 36.8944 | 6235 | NWSESE | 6 | 31N | 11W | 12 | 2409 | 2 | 365340 | 1075607 | 15796 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5192 | 36.8525 | 6400 | NESWSE | 36 | 31N | 7W | 45 | 3373 | 8 | 365109 | 1073109 | 19300 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9894 | 36.9231 | 6300 | NWSESE | 4 | 31N | 11W | 28 | 2739 | 5 | 365523 | 1075922 | 20385 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9353 | 36.8675 | 5940 | SWNESE | 25 | 31N | 11W | 27 | 2538 | 3 | 365203 | 1075607 | 20419 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9194 | 36.7658 | 5940 | SWNESE | 31 | 30N | 10W | 18.5 | 2387 | 4 | 364557 | 1075510 | 20501 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8383 | 36.7803 | 5985 | SWNESW | 25 | 30N | 10W | 22.5 | 2493 | 5 | 364649 | 1075018 | 20504 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7011 | 36.9361 | 6700 | NWSESW | 32 | 32N | 8W | 25.5 | 3525 | 4 | 365610 | 1074204 | 20580 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7031 | 36.8592 | 6500 | SENWNW | 32 | 31N | 8W | 36.5 | 3330 | 8 | 365133 | 1074211 | 20677 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7006 | 36.9508 | 6240 | NWSESW | 29 | 32N | 8W | 18 | 3103 | 2 | 365703 | 1074202 | 21163 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7806 | 36.9300 | 6610 | NESWNE | 4 | 31N | 9W | 26.5 | 3414 | 5 | 365548 | 1074650 | 22167 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.3422 | 36.6075 | 6590 | SENWNE | 3 | 27N | 5W | 12 | 3431 | 5 | 363627 | 1072032 | 22397-168 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5233 | 36.9906 | 6586 | NESWSW | 12 | 32N | 7W | 42 | 3176 | 4 | 365926 | 1073124 | 22583-48 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7281 | 36.9433 | 6542 | NESWNE | 36 | 32N | 9W | 138 | 3415 | 12 | 365636 | 1074341 | 22740-45 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8508 | 36.9844 | 6668 | NWNWSE | 14 | 32N | 10W | 142 | 3405 | 14 | 365904 | 1075103 | 22748-43 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.2450 | 36.9044 | 6735 | SWNENW | 15 | 31N | 4W | 13 | 3535 | 1 | 365416 | 1071442 | 23149 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7367 | 36.9311 | 6590 | SENWNW | 1 | 31N | 9W | 8.5 | 3110 | 2 | 365552 | 1074412 | 23250 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.2903 | 36.9183 | 6480 | SWNENE | 7 | 31N | 4W | 13 | 3314 | 2 | 365506 | 1071725 | 24811 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.6472 | 36.9719 | 6930 | NWSENW | 23 | 32N | 8W | 6 | 3844 | 2 | 365819 | 1073850 | 25467 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8714 | 36.9719 | 5950 | NWSENW | 27 | 32N | 10W | 20 | 2757 | 4 | 365819 | 1075217 | 25478 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5664 | 36.9403 | 6680 | NWSENE | 33 | 32N | 7W | 15.5 | 3343 | 4 | 365625 | 1073359 | 25480 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7536 | 36.8572 | 6210 | NWSENW | 35 | 31N | 9W | 33.5 | 2800 | 5 | 365126 | 1074513 | 25741 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.5253 | 36.9131 | 6540 | NWSESW | 12 | 31N | 7W | 26.5 | 3283 | 5 | 365447 | 1073131 | 25753 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9542 | 36.9881 | 6512 | NWSENE | 14 | 32N | 11W | 34 | 3205 | 5 | 365917 | 1075715 | 26014 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.4189 | 36.9544 | 6348 | NESENE | 26 | 32N | 6W | 34 | 3056 | 2 | 365716 | 1072508 | 7834-51 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.3217 | 36.5464 | 6565 | NWSENE | 26 | 27N | 5W | 4 | 3236 | 1 | 363247 | 1071918 | 8156-169 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.6847 | 36.7139 | 6464 | NWSENW | 21 | 29N | 8W | 24 | 3062 | 2 | 364250 | 1074105 | 8815-108 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7925 | 36.6806 | 6218 | SENWSW | 33 | 29N | 9W | 13 | 2503 | 2 | 364050 | 1074733 | 8877-107 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.4917 | 36.7950 | 6243 | SENWSW | 20 | 30N | 6W | 18 | 3102 | 2 | 364742 | 1072930 | 9020-90 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.2650 | 36.9839 | 6798 | SENWSW | 16 | 32N | 4W | 31 | 3646 | 3 | 365902 | 1071554 | 9261-55 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.2797 | 36.9547 | 7264 | SWNESW | 29 | 32N | 4W | 36 | 4087 | 4 | 365717 | 1071647 | 9298-54 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -107.3803 | 36.8733 | 6400 | NWSENE | 29 | 31N | 5W | 23 | 3264 | 6 | 365224 | 1072249 | 9394-71 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.7994 | 36.8578 | 6440 | NESWNE | 32 | 32N | 9W | 13 | 3113 | 4 | 365128 | 1074758 | 9460 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.9272 | 36.9247 | 5920 | SWNESW | 6 | 31N | 10W | 14 | 2664 | 3 | 365529 | 1075538 | 9469 | NA | SAN JUAN | FRUITLAND | NMBM OIL & GAS LIBRARY |
| -107.8858 | 36.5272 | 6707 | NWSESW | 34 | 27N | 10W | 16 | 1736 | 2 | 363138 | 1075309 | A.N. BROWN #4 MC ADAMS | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8139 | 36.7372 | 5561 | SWNESE | 7 | 29N | 9W | 31 | 2008 | 4 | 364414 | 1074850 | AMOCO PROD CORP GAS UNIT "E" #1 SAMMONS | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9050 | 36.6367 | 6142 | NESWNW | 28 | 28N | 10W | 18 | 2133 | 5 | 363812 | 1075418 | AMOCO PRODUCTION #2 DAVIDSON | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9053 | 36.5783 | 5993 | NESWNW | 16 | 27N | 10W | 22 | 1798 | 3 | 363442 | 1075419 | AMOCO PRODUCTION #3 HARGRAVE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8403 | 36.7300 | 5740 | SWNENW | 13 | 29N | 10W | 24 | 2117 | 6 | 364348 | 1075025 | AZTEC OIL & GAS # A-2 REID | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9331 | 36.6381 | 5949 | SENWNE | 30 | 28N | 10W | 10 | 1902 | 2 | 363817 | 1075559 | AZTEC OIL & GAS #1 NEWMAN "C" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9694 | 36.5081 | 6433 | SENWNE | 11 | 26N | 11W | 6 | 1732 | 2 | 363029 | 1075810 | AZTEC OIL & GAS #1 SOUTH KUTZ | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8872 | 36.6583 | 5939 | NESWSW | 15 | 28N | 10W | 12 | 2026 | 2 | 363930 | 1075314 | AZTEC OIL & GAS #10-D CAIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8253 | 36.6722 | 5831 | NENWSE | 7 | 28N | 9W | 40 | 2010 | 8 | 364020 | 1074931 | AZTEC OIL & GAS #14 REID | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8181 | 36.6861 | 5778 | SWNWNE | 31 | 29N | 9W | 23 | 2084 | 3 | 364110 | 1074905 | AZTEC OIL & GAS #17 CAIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8181 | 36.6861 | 5841 | SWSENE | 10 | 29N | 10W | 21 | 2254 | 5 | 364110 | 1074905 | AZTEC OIL & GAS #18-D HARE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8403 | 36.6778 | 5691 | SWNENE | 13 | 28N | 10W | 46 | 1867 | 8 | 364000 | 1075025 | AZTEC OIL & GAS #18D MCCLANAHAN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8617 | 36.6642 | 5646 | NESWNE | 14 | 28N | 10W | 29 | 1782 | 3 | 363951 | 1075142 | AZTEC OIL & GAS #19-D MCCLANAHAN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8347 | 36.6456 | 5904 | SENWSW | 19 | 28N | 9W | 29 | 2024 | 4 | 363844 | 1075005 | AZTEC OIL & GAS #21-D REID | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9300 | 36.6500 | 5924 | NWSENE | 19 | 28N | 10W | 11 | 1822 | 2 | 363900 | 1075548 | AZTEC OIL & GAS #8-A NEWMAN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9931 | 36.5514 | 6371 | SWNENW | 27 | 27N | 11W | 11 | 1970 | 3 | 363305 | 1075935 | BETA #1 DOUTHIT FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8569 | 36.6850 | 5678 | NWSENW | 35 | 29N | 10W | 20 | 1904 | 3 | 364106 | 1075125 | BETA #1 HAMNER-FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9794 | 36.5292 | 6402 | SENWSW | 35 | 27N | 11W | 14 | 1885 | 3 | 363145 | 1075846 | BETA #4 DOUTHIT FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9483 | 36.5797 | 6020 | SWNENE | 13 | 27N | 11W | 11 | 1749 | 1 | 363447 | 1075654 | BETA #4 HANCOCK FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9622 | 36.5425 | 6521 | NWSWSW | 25 | 27N | 11W | 11 | 2080 | 2 | 363233 | 1075744 | BRITISH AMERICAN #11 SCOTT FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9792 | 36.5514 | 6415 | SENWNW | 26 | 27N | 11W | 11 | 2013 | 3 | 363305 | 1075845 | BRITISH AMERICAN #3-C DOUTHIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9700 | 36.5786 | 6185 | NESWNE | 14 | 27N | 11W | 7.5 | 1916 | 2 | 363443 | 1075812 | BRITISH AMERICAN #8 GOVERNMENT FULLERTON | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9792 | 36.5628 | 6333 | NESWNW | 23 | 27N | 11W | 10 | 1984 | 3 | 363346 | 1075845 | BRITISH AMERICAN #9 SCOTT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7994 | 36.6431 | 6002 | NESWSW | 21 | 28N | 9W | 32 | 2162 | 3 | 363835 | 1074758 | ELPASO NATURAL # B-9 LACKEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8972 | 36.5853 | 6339 | NESWSE | 9 | 27N | 10W | 34 | 2164 | 7 | 363507 | 1075350 | ELPASO NATURAL #2 HARGRAVE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9239 | 36.5867 | 5892 | SENWSW | 8 | 27N | 10W | 22 | 1702 | 6 | 363512 | 1075526 | ELPASO NATURAL #2 ROWLEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9406 | 36.5306 | 6701 | NWSESE | 6 | 26N | 10W | 11 | 2055 | 3 | 363150 | 1075626 | ELPASO NATURAL #259 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9483 | 36.5056 | 6487 | NWSENE | 12 | 26N | 11W | 7 | 1945 | 2 | 363020 | 1075654 | ELPASO NATURAL #264 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8069 | 36.6603 | 5950 | SWNESE | 17 | 28N | 9W | 32 | 2180 | 5 | 363937 | 1074825 | ELPASO NATURAL #4 JOHNSTON | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7811 | 36.6722 | 6218 | NESWSW | 10 | 28N | 9W | 16 | 2206 | 4 | 364020 | 1074652 | ELPASO NATURAL #6-X JOHNSON | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8953 | 36.5125 | 6701 | NWSESE | 4 | 26N | 10W | 25 | 2254 | 6 | 363045 | 1075343 | ELPASO NATURAL #62 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8231 | 36.6297 | 5999 | SWNESE | 30 | 28N | 9W | 42 | 2074 | 8 | 363747 | 1074923 | ELPASO NATURAL #7 HANCOCK "B" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9608 | 36.5225 | 6434 | SENWNW | 1 | 26N | 11W | 12 | 1920 | 2 | 363121 | 1075739 | ELPASO NATURAL #73 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9419 | 36.5214 | 5952 | SESWSW | 19 | 27N | 10W | 15 | 1609 | 5 | 363117 | 1075631 | ELPASO NATURAL #74 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9108 | 36.5439 | 6050 | SENESE | 29 | 27N | 10W | 16 | 1722 | 3 | 363238 | 1075439 | ELPASO NATURAL #75 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7806 | 36.6278 | 6002 | NESWSW | 27 | 28N | 9W | 28 | 2346 | 3 | 363740 | 1074650 | ELPASO NATURAL #8 LACKEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8975 | 36.5289 | 6174 | SENWSE | 33 | 27N | 10W | 16 | 2353 | 2 | 363144 | 1075351 | ELPASO NATURAL #96 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7522 | 36.6522 | 6113 | SWNENE | 23 | 28N | 9W | 24 | 2367 | 3 | 363908 | 1074508 | ELPASO NATURAL #A-2 WARREN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9217 | 36.5075 | 6582 | SWNENW | 8 | 26N | 10W | 19 | 2081 | 2 | 363027 | 1075518 | ELPASO NATURAL GAS # 230 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9036 | 36.5653 | 6017 | SWNENW | 21 | 27N | 10W | 17 | 1762 | 3 | 363355 | 1075413 | ELPASO NATURAL GAS #1-B BROWLEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9311 | 36.5728 | 5917 | SWNESE | 18 | 27N | 10W | 24 | 1629 | 4 | 363422 | 1075552 | ELPASO NATURAL GAS #6 ROWLEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8764 | 36.5719 | 6483 | NWSESE | 15 | 27N | 10W | 34 | 2300 | 5 | 363419 | 1075235 | ELPASO NATURAL GAS CO #1 MORRIS | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9964 | 36.5119 | 6374 | NESWSW | 3 | 26N | 11W | 7 | 1761 | 1 | 363043 | 1075947 | ELPASO O & G #1-D DELHI-TAYLOR POOL UNIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9964 | 36.5119 | 6374 | NESWSW | 3 | 26N | 11W | 3 | 1703 | 1 | 363043 | 1075947 | ELPASO OIL & GAS #1-D DELHI-TAYLOR POOL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9322 | 36.5342 | 6309 | NESWNE | 31 | 27N | 10W | 12 | 1614 | 3 | 363203 | 1075556 | EPNG #1 HUERFANO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8833 | 36.7236 | 5818 | SWNESE | 16 | 29N | 10W | 24 | 2233 | 5 | 364325 | 1075300 | EPNG #1 TEXAS PACIFIC POOL UNIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9133 | 36.7067 | 5476 | NESWSW | 20 | 29N | 10W | 8 | 1707 | 3 | 364224 | 1075448 | EPNG #10 HUBBLE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9100 | 36.7314 | 5719 | SWNENW | 17 | 29N | 10W | 22 | 2027 | 8 | 364353 | 1075436 | EPNG #2 HUBBLE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9303 | 36.7369 | 5780 | SENWSW | 7 | 29N | 10W | 7 | 2069 | 2 | 364413 | 1075549 | EPNG #4 HUBBLE | NA | SAN JUAN | FRUITLAND | CROCDP |

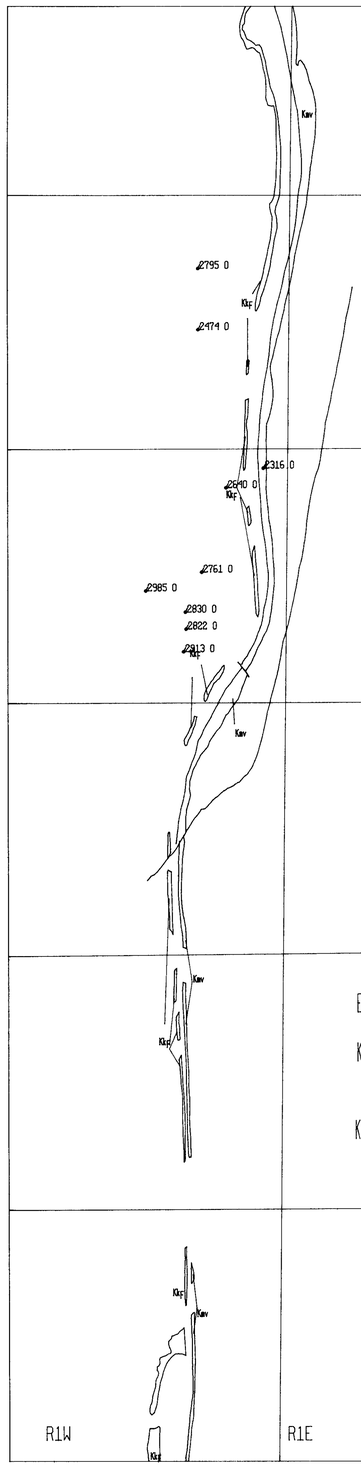
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -107.9097 | 36.7161 | 5608 | SWNENW | 20 | 29N | 10W | 9 | 1864 | 3 | 364258 | 1075435 | EPNG #8 JACINTO | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7542 | 36.6806 | 5751 | SWNESW | 35 | 29N | 9W | 22 | 2108 | 3 | 364050 | 1074515 | EPNG CO #20 SAN JUAN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8139 | 36.7122 | 5621 | SESWNE | 19 | 29N | 9W | 27 | 1985 | 4 | 364244 | 1074850 | EPNG CO #4 LACKEY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7594 | 36.7017 | 5785 | SENENE | 27 | 29N | 9W | 31 | 2202 | 4 | 364206 | 1074534 | EPNG CO #7 GRAMBLING | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7772 | 36.6942 | 5699 | SWNESE | 28 | 29N | 9W | 25 | 2059 | 4 | 364139 | 1074638 | EPNG CO #9 GRAMBLING | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9933 | 36.5700 | 6309 | NWSESW | 15 | 27N | 11W | 17 | 1987 | 3 | 363412 | 1075936 | HUSKY OIL CO #2-D BOLACK | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8567 | 36.7211 | 5660 | NWSESW | 14 | 29N | 10W | 29 | 2000 | 7 | 364316 | 1075124 | J GLENN TURNER #1-14 HARE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9400 | 36.6236 | 5753 | SWNENW | 31 | 28N | 10W | 13 | 1679 | 1 | 363725 | 1075624 | KINGWOOD OIL CO #1-B KNAUF | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9719 | 36.7158 | 5482 | SWNENE | 22 | 29N | 11W | 6 | 1698 | 2 | 364257 | 1075819 | MANANA GAS #1 FINCH | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9486 | 36.7067 | 5446 | NESWSW | 24 | 29N | 11W | 5 | 1530 | 2 | 364224 | 1075655 | MANANA GAS #1 GIGI | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9850 | 36.6575 | 5514 | NWSESE | 15 | 28N | 11W | 8 | 1490 | 3 | 363927 | 1075906 | MARATHON #2-15 OHIO GOVT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9664 | 36.6292 | 5591 | NWSESE | 26 | 28N | 11W | 3 | 1506 | 1 | 363745 | 1075759 | MARATHON OIL #3-26 OHIO GOVT. | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9747 | 36.7378 | 5590 | SENWSE | 10 | 29N | 11W | 14 | 1824 | 5 | 364416 | 1075829 | MOBIL OIL #1 JULANDER GAS | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7981 | 36.7008 | 5827 | SENWNE | 29 | 29N | 9W | 35 | 2162 | 3 | 364203 | 1074753 | PAN AM CORP #B-1 L.V. HAMNER | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7803 | 36.7422 | 5739 | NESWNE | 9 | 29N | 9W | 27 | 2270 | 5 | 364432 | 1074649 | PAN AM PETRO #1 HEATH GAS UNIT 8 | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9211 | 36.6311 | 6008 | SWNESW | 29 | 28N | 10W | 15 | 1936 | 3 | 363752 | 1075516 | PAN AM PETRO #1 HUBBLE GAS UNIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8403 | 36.7094 | 5614 | SENWSW | 24 | 29N | 10W | 20 | 1912 | 5 | 364234 | 1075025 | PAN AM PETRO CORP #1 MARTINEZ GAS UNIT " | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7706 | 36.7286 | 5994 | NWSENW | 15 | 29N | 9W | 23 | 2464 | 4 | 364343 | 1074614 | PAN AM PETRO CORP #2 A.L ELLIOT "C" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8417 | 36.6922 | 5567 | NESWSW | 25 | 29N | 10W | 20 | 1852 | 4 | 364132 | 1075030 | PAN AM PETRO CORP #C-1 HARE GAS UNIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9550 | 36.7253 | 5566 | NWNESE | 14 | 29N | 11W | 2 | 1816 | 1 | 364331 | 1075718 | PAN AM. #1 HARE GAS UNIT "D" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9314 | 36.6722 | 5835 | NWSESE | 7 | 28N | 10W | 14 | 1935 | 4 | 364020 | 1075553 | PAN AM. PETRO #1 DAY GAS UNIT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8764 | 36.6383 | 5930 | SWNENE | 27 | 28N | 10W | 21 | 1954 | 4 | 363818 | 1075235 | PAN AM. PETRO. #1-D USA KUTZ DEEP TEST | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9550 | 36.7253 | 5566 | NWNESE | 14 | 29N | 11W | 2 | 1648 | 1 | 364331 | 1075718 | PAN AMERICAN #1 HARE GAS UNIT "D" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9108 | 36.6931 | 5545 | NWSESW | 29 | 29N | 10W | 20 | 1779 | 5 | 364135 | 1075439 | PAN AMERICAN #1 KEYS-D | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9217 | 36.5589 | 5960 | SWNESW | 20 | 27N | 10W | 16 | 1672 | 3 | 363332 | 1075518 | PAN AMERICAN #1 MC ADAMS "D" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8875 | 36.7000 | 5486 | NWSWNE | 28 | 29N | 10W | 21 | 1765 | 5 | 364200 | 1075315 | PAN AMERICAN #1 SANCHEZ "B" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8878 | 36.5508 | 6143 | SENWNW | 27 | 27N | 10W | 10 | 1880 | 2 | 363303 | 1075316 | PAN AMERICAN #2 FROST "B" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9422 | 36.6094 | 5761 | SENWNW | 6 | 27N | 10W | 8 | 1648 | 1 | 363634 | 1075632 | PAN AMERICAN #2 GAULT | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9214 | 36.6028 | 5873 | SWNESW | 5 | 27N | 10W | 29 | 1831 | 5 | 363610 | 1075517 | PAN AMERICAN #2 MC ADAMS | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9517 | 36.5933 | 5880 | NESWNE | 12 | 27N | 11W | 20 | 1666 | 4 | 363536 | 1075706 | PAN AMERICAN #2 PIPKIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9767 | 36.6133 | 5915 | NWSESW | 35 | 28N | 11W | 19 | 1782 | 4 | 363648 | 1075836 | PAN AMERICAN #9 E.H. PIPKIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7981 | 36.7008 | 5827 | SENWNE | 29 | 29N | 9W | 3 | 2009 | 1 | 364203 | 1074753 | PAN AMERICAN CORP #B-1 L.V. HAMNER | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7508 | 36.7367 | 5892 | SWNESW | 11 | 29N | 9W | 41 | 2459 | 8 | 364412 | 1074503 | PAN AMERICAN PETROLEUM #2 A.L. ELLIOT "D | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8044 | 36.7231 | 5649 | SWNESW | 17 | 29N | 9W | 24 | 2078 | 3 | 364323 | 1074816 | PAN AMERICAN PETROLEUM #3-X W.D. HEATH | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9597 | 36.6078 | 5881 | NESWNW | 1 | 27N | 11W | 20 | 1806 | 3 | 363628 | 1075735 | PAN AMERICAN PIPKIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8772 | 36.6072 | 5990 | NWSENE | 3 | 27N | 10W | 25 | 1907 | 4 | 363626 | 1075238 | PETROLEUM CORP OF TEXAS #6-Y KUTZ GOVERN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9119 | 36.6714 | 5789 | NWSESE | 8 | 28N | 10W | 27 | 1891 | 6 | 364017 | 1075443 | PETROLEUM OF TEXAS #3R-DAY "J" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9967 | 36.5994 | 6202 | NESWSW | 3 | 27N | 11W | 20 | 1988 | 6 | 363558 | 1075948 | R&G DRILLING #10 R&G | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9939 | 36.6717 | 5465 | NWSESW | 10 | 28N | 11W | 7 | 1495 | 2 | 364018 | 1075938 | REDFERN & HERD #5 REDFERN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9844 | 36.5850 | 6209 | NWSESE | 10 | 27N | 11W | 10 | 1953 | 2 | 363506 | 1075904 | SINCLAIR OIL & GAS #7 SCHLOSSER | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9964 | 36.6283 | 5514 | NESWSW | 27 | 28N | 11W | 8 | 1658 | 2 | 363742 | 1075947 | SINCLAIR OIL & GAS #8 SCHLOSSER FEDERAL | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9658 | 36.6928 | 5578 | NESWSW | 26 | 29N | 11W | 7 | 1715 | 3 | 364134 | 1075757 | SOUTHERN UNION #1 CALVIN | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9286 | 36.6806 | 5711 | SWNESW | 31 | 29N | 10W | 7 | 1858 | 2 | 364050 | 1075543 | SOUTHERN UNION #1-B REID | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9844 | 36.6919 | 5512 | NESWSW | 27 | 29N | 11W | 6 | 1629 | 2 | 364131 | 1075904 | SOUTHERN UNION #1-R GARLAND | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9483 | 36.6378 | 5865 | SWNENE | 25 | 28N | 11W | 17 | 1803 | 2 | 363816 | 1075654 | SOUTHERN UNION #12 ANGEL PEAK "B" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9578 | 36.6581 | 5854 | NWSESW | 13 | 28N | 11W | 9 | 1851 | 2 | 363929 | 1075728 | SOUTHERN UNION #24-B ANGEL PEAK | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8658 | 36.6981 | 5508 | SWSENE | 27 | 29N | 10W | 20 | 1767 | 4 | 364153 | 1075157 | SOUTHERN UNION GAS CO #1 ARMENTA | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8703 | 36.6731 | 5642 | SENWSW | 11 | 28N | 10W | 28 | 1810 | 4 | 364023 | 1075213 | SOUTHERN UNION GAS CO #18 ZACHARY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8842 | 36.6872 | 5629 | SWNENE | 33 | 29N | 10W | 26 | 1861 | 7 | 364114 | 1075303 | SOUTHERN UNION GAS CO #8 ZACHERY | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9036 | 36.6278 | 6101 | SWNESW | 33 | 28N | 10W | 8 | 2029 | 1 | 363700 | 1075413 | SUNSET INTERNATIONAL #13-33 SIPCO KUTZ F | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9336 | 36.6644 | 5854 | NESWNE | 18 | 28N | 10W | 20 | 1822 | 4 | 363952 | 1075601 | SUNSET INTN'L PETRO CORP #10-18 SIPCO KU | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.9208 | 36.6433 | 6020 | NWSESW | 20 | 28N | 10W | 16 | 2003 | 2 | 363836 | 1075515 | SUNSET INTN'L PETRO CORP #11-20 SIPCO KU | NA | SAN JUAN | FRUITLAND | CROCDP |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -107.9364 | 36.6917 | 5572 | NWSESE | 25 | 29N 11W | 14 | 1739 | 5 | 364130 | 1075611 | TENNECO #1 MARQUIS G EATON GAS UNIT "A" | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.7861 | 36.7153 | 5712 | SWNENE | 21 | 29N 9W | 19 | 2155 | 4 | 364255 | 1074710 | TENNECO #41 FLORENCE | NA | SAN JUAN | FRUITLAND | CROCDP |
| -107.8611 | 36.6364 | 5760 | NESWNE | 26 | 28N 10W | 13 | 1790 | 2 | 363811 | 1075140 | TENNECO OIL #1 OMLER "A" | NA | SAN JUAN | FRUITLAND | CROCDP |




MAP 1

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA,**
**ABIQUIU 1:100,000 QUADRANGLE, FRUITLAND FORMATION,**
**TOTAL COAL THICKNESS.**




EXPLANATION

Kkf-Kirtland-Fruitland Formations undifferentiated

Kav-Mesaverde Group, undifferentiated

T26N

T25N

T24N

T23N

T22N

T21N

R1W R1E R2E R3E R4E R5E R6E R7E R8E

MAP 2

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, ABIQUIU 1:100,000 QUADRANGLE, FRUITLAND FORMATION, MAXIMUM DEPTH.**

Cibola National Forest

R10W

R9W

R8W

R7W

R6W

R5W

R4W

R3W

T8N

T7N

T6N

T5N

T4N

T3N

Laguna Indian Reservation

Valencia Co

Bernalillo County

Acoma Indian Reservation

Laguna Indian Reservation

Red Lake Fault

Cibola Co

Catron Co

Cibola Co

Socorro Co

Valencia Co

Socorro Co

Puertocito Indian Reservation

EXPLANATION

Tb-Tertiary basalts

Kcc-Crevasse Canyon Formation

Kg-Gallup Sandstone

Kmd-Mancos Shale, D-Cross Tongue

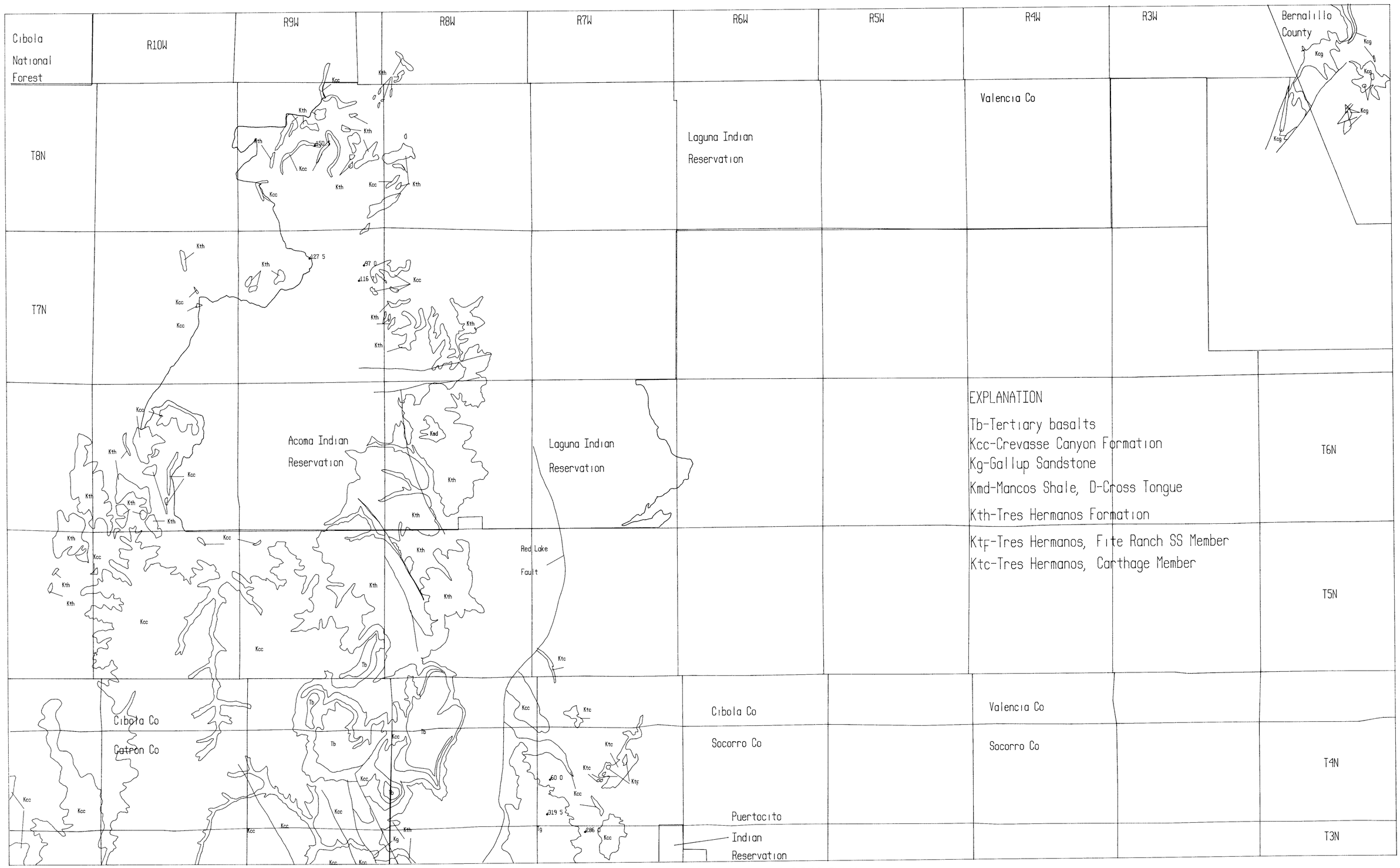
Kth-Tres Hermanos Formation

Ktf-Tres Hermanos, Fite Ranch SS Member

Ktc-Tres Hermanos, Carthage Member

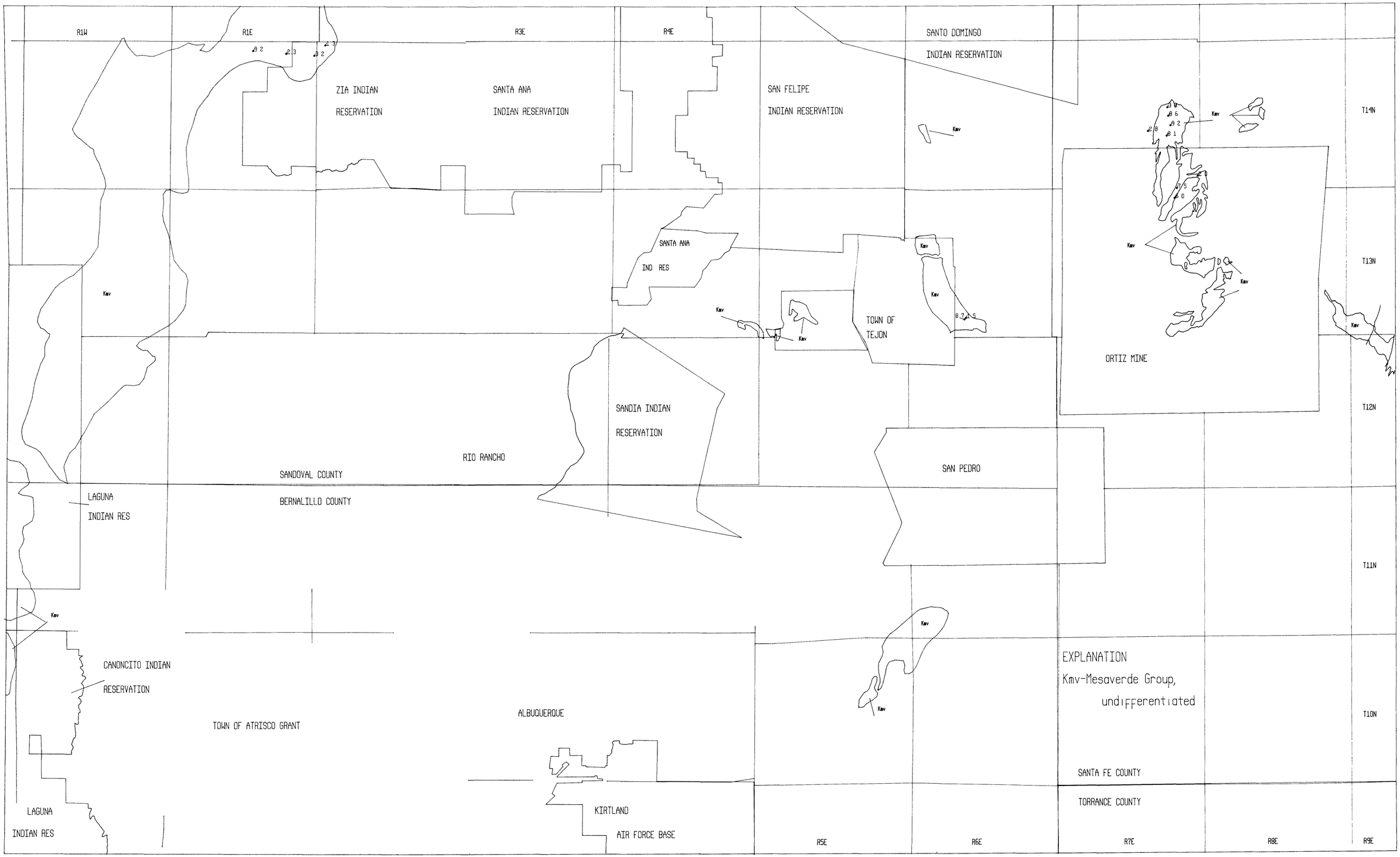
MAP 3

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, ACOMA PUEBLO 1:100,000 QUADRANGLE, CREVASSE CANYON FORMATION, TOTAL COAL THICKNESS.**




MAP 4

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, ACOMA PUEBLO 1:100,000 QUADRANGLE, CREVASSE CANYON FORMATION, MAXIMUM DEPTH.**




MAP 5

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA,**
**ALBUQUERQUE 1:100,000 QUADRANGLE, MESAVERDE GROUP AND CREVASSE CANYON FORMATION,**
**TOTAL COAL THICKNESS.**


MAP 6

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA,**
**ALBUQUERQUE 1:100,000 QUADRANGLE, MESAVERDE GROUP AND CREVASSE CANYON FORMATION,**
**MAXIMUM DEPTH.**

COLORADO

NEW MEXICO

T32N

T31N

T30N

T29N

T28N

T27N

Bill Humphries

State Wildlife Area

TIERRA AMARILLA

LAND GRANT

EXPLANATION

Kkf-Kirtland-Fruitland Formations, undivided

Kf-Fruitland Formation

Kl-Lewis Shale (non-coal-bearing)

Kmv-Mesaverde Group, undivided

Kmu-Mancos Shale, upper shale member, (non-coal-bearing)

JICARILLA APACHE

INDIAN RESERVATION

Heron Lake

State Park

El Vado Lake

State Park

Rio Chama State

Recreation Area

Santa Fe National Forest

R1W

R1E

R2E

R3E

R4E

R5E

R6E

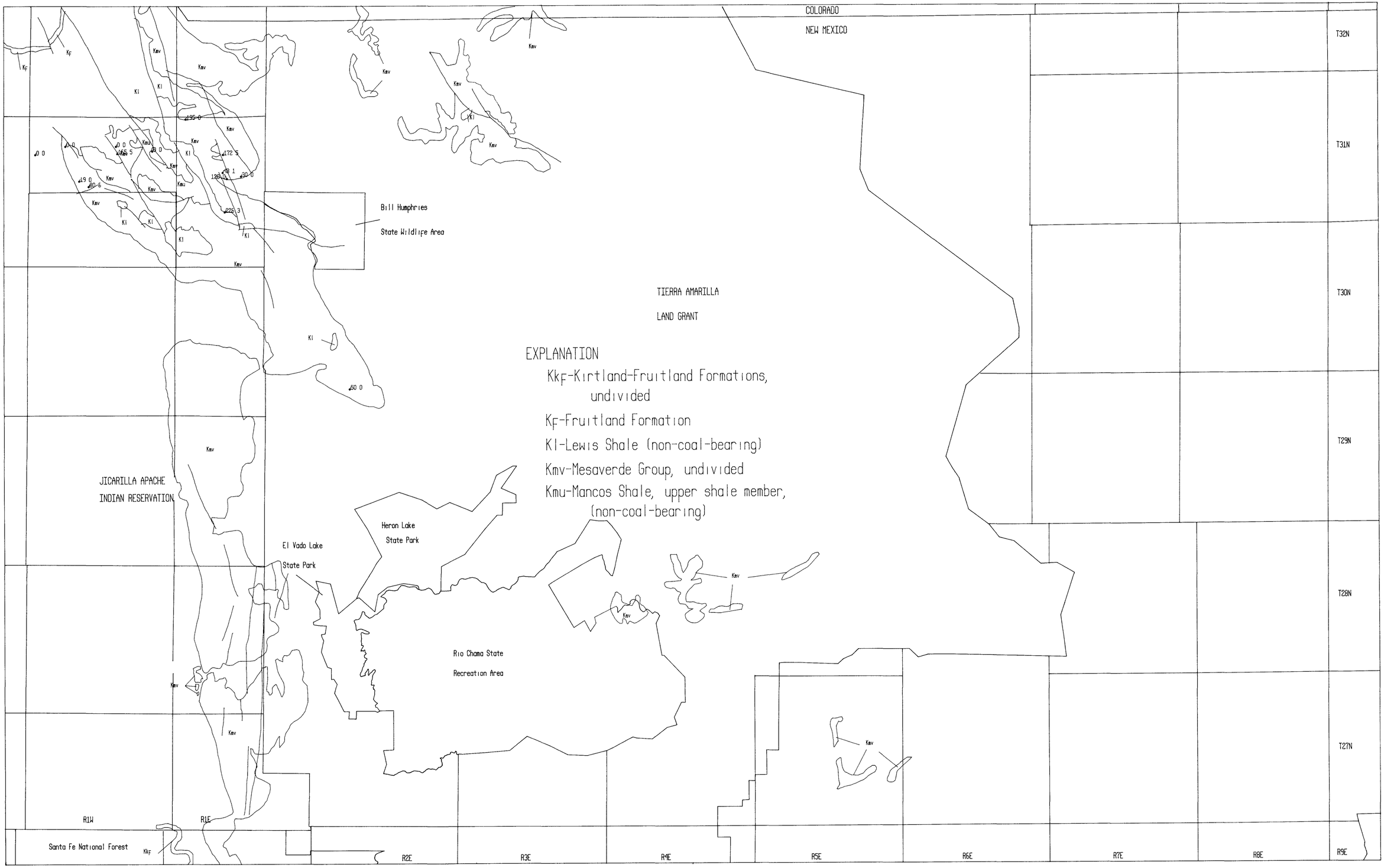
R7E

R8E

R9E

MAP 7

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, CHAMA 1:100,000 QUADRANGLE, MENEFEE FORMATION, TOTAL COAL THICKNESS.**




MAP 8

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, CHAMA 1:100,000 QUADRANGLE, MENEFEE FORMATION, MAXIMUM DEPTH.**

R20W

MCKINLEY CO

R19W

R18W

R14W

R13W

R12W

T9N

CIBOLA CO

T8N

T7N

EXPLANATION

SALT LAKE FIELD

Kmhu-Moreno Hill Formation, Upper Member

Kmhl- Moreno Hill Formation, Lower Member

ZUNI-DATIL MTNS FIELDS

Kcc-Crevasse Canyon Formation (Dilco Coal Member)

Kg-Gallup Sandstone

Kth-Tres Hermanos Formation, (Carthage Member)

T6N

T5N

CIBOLA CO

CATRON CO

T4N

T3N

R15W

MAP 9

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, FENCE LAKE 1:100,000 QUADRANGLE, MORENO HILL FORMATION TOTAL COAL THICKNESS.**

R20W

MCKINLEY CO

CIBOLA CO

R19W

R18W

R14W

R13W

R12W

T9N

T8N

T7N

T6N

T5N

T4N

T3N

R15W

EXPLANATION

SALT LAKE FIELD

Kmhu-Moreno Hill Formation, Upper Member

Kmhl- Moreno Hill Formation, Lower Member

ZUNI-DATIL MTNS FIELDS

Kcc-Crevasse Canyon Formation (Dilco Coal Member)

Kg-Gallup Sandstone

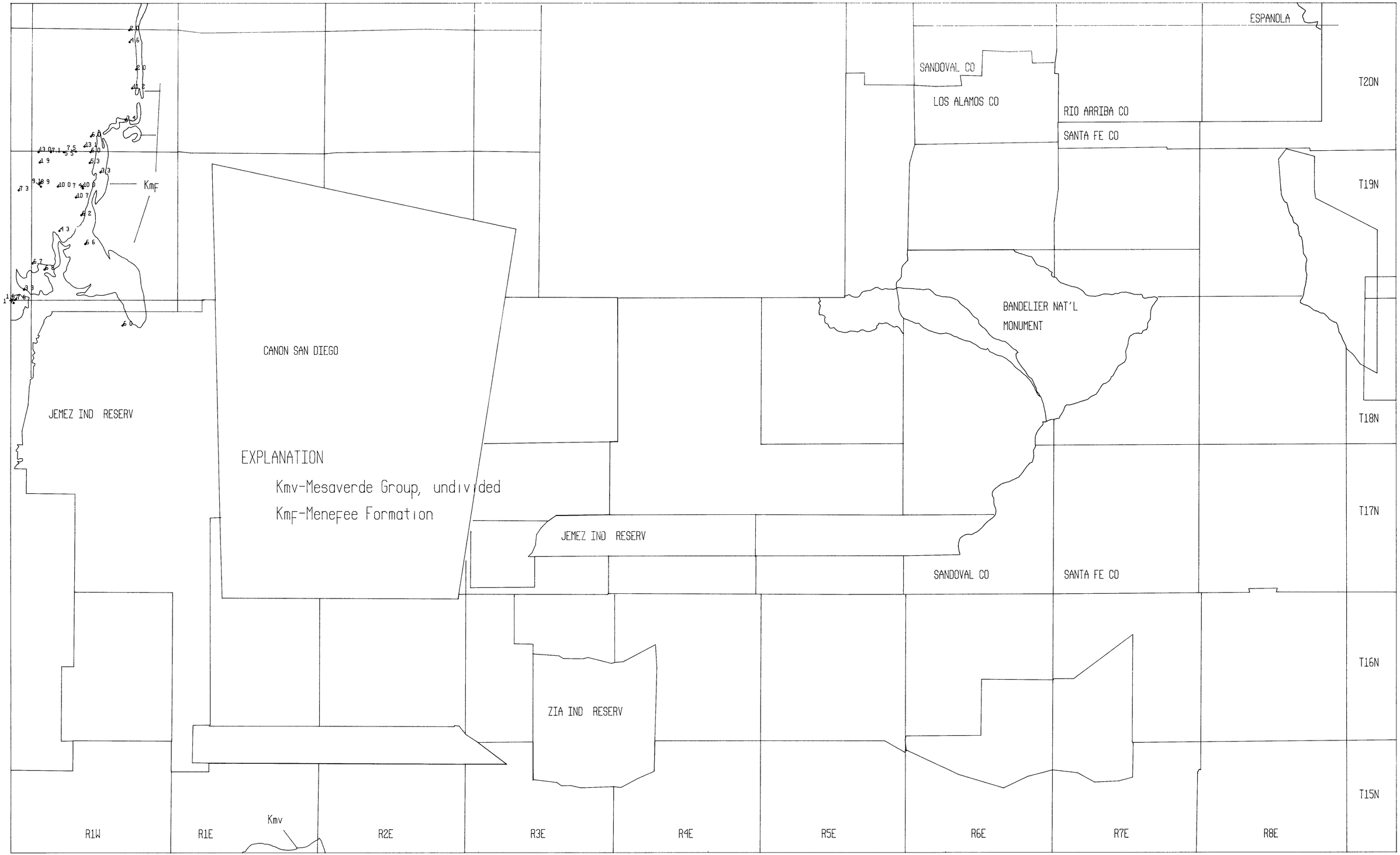
Kth-Tres Hermanos Formation, (Carthage Member)

CIBOLA CO

CATRON CO

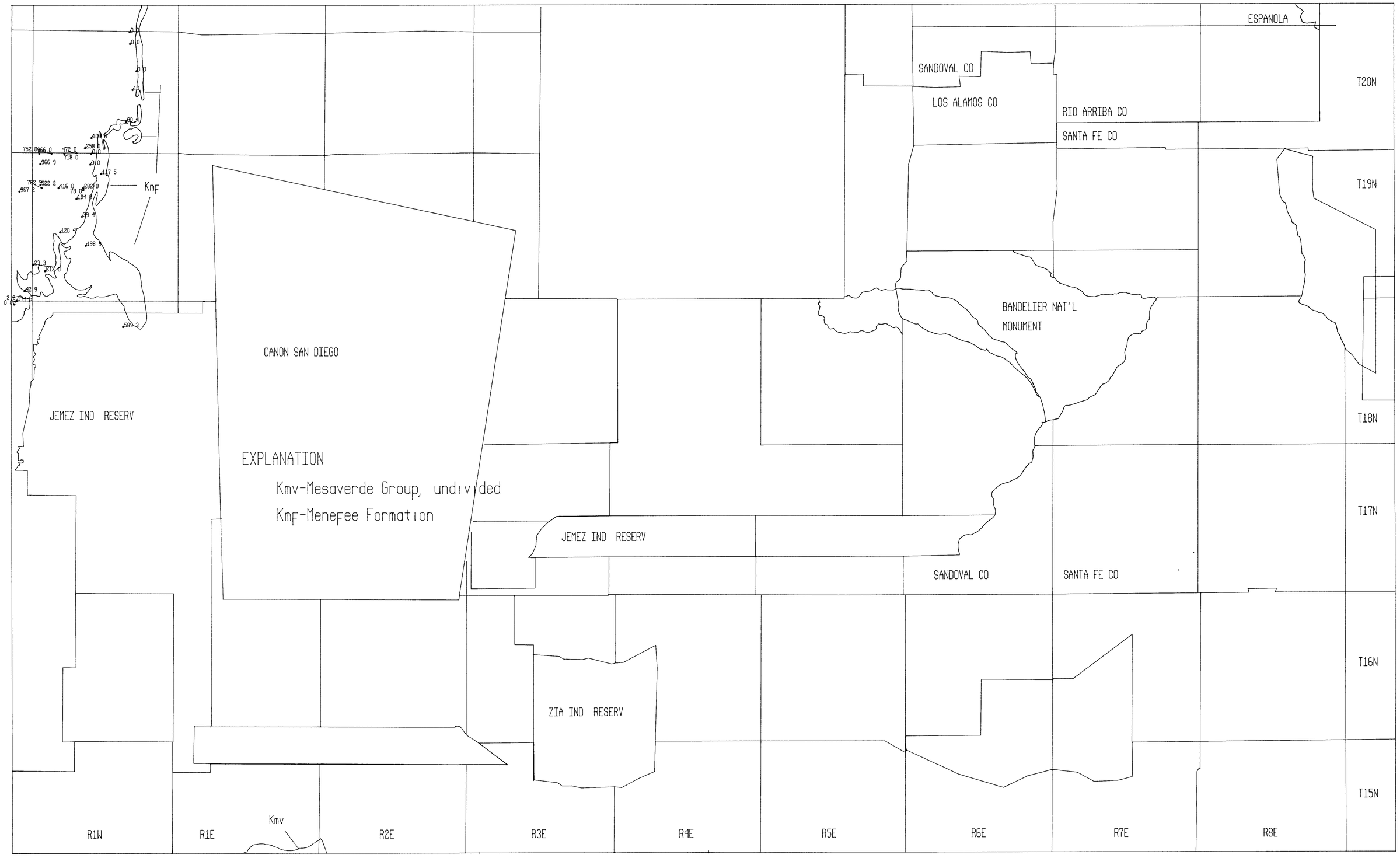
MAP 10

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, FENCE LAKE 1:100,000 QUADRANGLE, MORENO HILL FORMATION MAXIMUM DEPTH.**




MAP 11

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA,
LOS ALAMOS 1:100,000 QUADRANGLE, MENEFEE FORMATION,
TOTAL COAL THICKNESS.**




MAP 12

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, LOS ALAMOS 1:100,000 QUADRANGLE, MENEFEE FORMATION, MAXIMUM DEPTH.**

R11W

R10W

R9W

R8W

R7W

R6W

R5W

R4W

R3W

SAN JUAN

COUNTY

RIO ARRIBA

COUNTY

JICARILLA APACHE

INDIAN RESERVATION

T32N

T31N

T30N

T29N

T28N

T27N

T26N

EXPLANATION

$K_F$-Fruitland Formation

$K_{FP}$-Fruitland Formation, Pictured Cliffs, undivided

MAP 13

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, NAVAJO RESERVOIR 1:100,000 QUADRANGLE, FRUITLAND FORMATION, TOTAL COAL THICKNESS.**

R11W R10W R9W R8W R7W R6W R5W R4W R3W

T32N

T31N

T30N

T29N

T28N

T27N

T26N

SAN JUAN COUNTY

RIO ARRIBA COUNTY

JICARILLA APACHE INDIAN RESERVATION

EXPLANATION

Kf-Fruitland Formation

Kfp-Fruitland Formation, Pictured Cliffs, undivided

MAP 14

**COAL-BEARING FORMATIONS AND AVAILABLE COAL DATA, NAVAJO RESERVOIR 1:100,000 QUADRANGLE, FRUITLAND FORMATION, MAXIMUM DEPTH.**