











BLOCK DIAGRAMS OF PRECAMBRIAN BASEMENT ROCKS

In most of area top of Precambrian rocks is contact with Mississippian or Pennsylvanian rocks. In San Luis Basin near Taos the top is inferred to be the contact with Mississippian and Pennsylvanian rocks; farther north the top is inferred to be the contact with Cenozoic sediments and volcanic rocks. On Archuleta anticlinorium and in Cimarron Mountains the top is the contact with onlapping Permian and Triassic rocks. Present topography is not shown in major uplifts where outcropping Precambrian rocks are deeply eroded. On most of Brazos uplift, and in Sangre de Cristo uplit northwest of Eagle Nest, top of Precambrian rocks is the partly restored surface that is overlain by Cenozoic sediments and volcaniclastic and volcanic rocks. In Santa Fe Range and Picuris Mountains top of Precambian rocks is a partly restored Neogene compound erosional surface

Diagrams were constructed mainly from stratigraphic and structural data in:

Bachman (1953) McKinlay (1956) Baltz (1965, 1967, 1972,1978) Miller et al. (1963) Baltz and O'Neill (1984, 1986) Moench and Robertson (1980) Barker (1958) Montgomery (1953) Cabot (1938) Muehlberger (1967) Clark and Read (1972) Reed et al. (1983) Cordell (1976, 1978) Robinson et al. (1964) Dane (1948) Simms (1965) Galusha and Blick (1971) Smith (1938) Smith and Colpitts (1980) Goodknight (1973, 1976) Griggs (1964) Smith and Muehlberger (1960) Johnson and Wood (1956) Smith et al. (1961) Just (1937) Smith et al. (1970) Keller and Cordell (1983) Speer (1976) Spiegel and Baldwin (1963) Keller et al. (1984) Landis and Dane (1967) Wanek et al. (1964) Lipman and Reed (1984) Wood and Northrop (1946)

Diagrams show some relatively minor faults, from above sources, that are not shown on the tectonic map

Manley et al. (1978)

Tectonic and gravity features of north–central New Mexico

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