



## *Stratigraphic nomenclature chart*

Glenn R. Osburn and Christina Lochman-Balk  
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*This is one of many related papers that were included in the 1983 NMGS Fall Field Conference Guidebook.*

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CENOZOIC		ERATHEM SYSTEM	SERIES
TERTIARY	QUATERNARY	HOLOCENE	Piedmont-slope, axial-stream, playa, lacustrine, colluvial & eolian deposits
	PLIOCENE	PLEISTOCENE	Sierra Ladrones Fm. Includes: basalt of Sedillo Hill basalt of Socorro Canyon
		PLIOCENE	Popotosa Formation Includes: basalt of Broken Tank basalt of Bear Canyon
	MIOCENE	Santa Fe Group	Socorro Peak Fm. Magdalena Peak Fm.
			basalt of Kelly Ranch basalt of Council Rock rhyolite of Water Canyon Mesa fanglomerate of Dry Lake Canyon unit of Arroyo Montosa
TERTIARY	OLIGOCENE	Santa Fe Group	La Jara Peak Basaltic Andesite South Canyon Tuff Lemitar Tuff Vicks Peak Tuff
			La Jencia Tuff
			Hells Mesa Tuff
TERTIARY	OLIGOCENE	Datil Group	Spears Formation (Volcaniclastic rocks & lavas) Includes: Rincon Windmill Member Chavez Canyon Member Dog Springs Member
			tuff of Granite Mtn. Blue Canyon Tuff Rock House Canyon Tuff Datil Well Tuff
TERTIARY	Eocene	Baca Formation	
TERTIARY	PALEOCENE	Baca Formation	

MESOZOIC		ERATHEM SYSTEM	STAGE
MESOZOIC	CRETACEOUS	Maestrichtian	
		Campanian	
		Santonian	
		Coniacian	Crevasse Canyon Formation
			Gallup Sandstone
		Turonian	D-Cross Tongue of Mancos Shale Tres Hermanos Fm. Fite Ranch Member Carlsbad Member Alarague Sandstone Member Rio Salado Tongue of Mancos Shale Twowells Tongue of Dakota Ss. lower part of Mancos Shale Dakota Sandstone
		Cenomanian	
		Albian	
		Aptian	
		Barremian	
MESOZOIC	JURASSIC	Neocomian	
	TRIASSIC	Upper	Dakota Group Chinle Formation Santa Rosa Ss.
		Middle	
		Lower	
	PERMIAN	Ochoan	
		Guadalupian	Bernal Fm. San Andres Ls. Glorieta Sandstone
		Leonardian	Yeso Formation Javala Member Carlsbad Member Torres Member Meseta Blanca Member
		Wolfcampian	Abo Formation
	PENNSYLVANIAN	Virgilian	Bursum Formation
		Missourian	Madera Fm. Arkosic Limestone Member
		Desmoinesian	Gray Limestone Member
		Atokan	Sandia Formation
		Morrowan	
	MISSISSIPPIAN	Chesterian	
		Meramecian	
		Osagean	Kelly Limestone Caloso Limestone
		Kinderhookian	
MESOZOIC	PRECAMBRIAN	Listed Alphabetically: Blue Springs Schist; Capirote Pluton; Garcia Canyon, gabbro of; Ladrón Pluton; La Joyita Pluton; Los Piños Pluton; Magdalena Granite; North Baldy, rhyolite of; Polvadera Granite; Sais Quartzite; Sepultura Pluton; Sevilleta Formation/Rhyolite; Tajo Pluton; White Ridge Formation/Quartzite	

Where Twowells absent  
lower part of  
Mancos Shale

Mesa Lucero area

Los Valios Member  
Meseta Blanca Member

Thompson, 1942

Bruton Formation  
Moya Formation  
Del Cuerto Formation  
Story Formation  
Burrogo Formation  
Council Springs Fm.  
Coane-Adobe Formations  
Bolander Formation  
Garcia Formation  
Whiskey Canyon Formation  
Elephant Butte Formation

STRATIGRAPHIC NOMENCLATURE CHART, G. R. Osburn and Christina Lochman-Balk.