

EXPLANATION

	Alluvium	QUATERNARY
	Beach flows	
	Santa Fe formation Tsf, undifferentiated, includes pediment gravel; Tsfv, interbedded lava flows, basalt, and andesite	
	Popotas formation Detritus derived from Tertiary volcanic rocks and Precambrian rocks	TERTIARY
ANGULAR UNCONFORMITY		
	Intrusive rocks Monzonite, syenite, and trachyte	TERTIARY
	Basa and Dalt formations, undifferentiated Basa formation, sandstone and conglom- erates; Dalt formation, intermediate lava flows and interbedded sediments	
	Dockum group (Triassic): Dakota sand- stone, Mancos shale, and Mesaverde group (Upper Cretaceous), all un- differentiated	TRIASSIC AND CRETACEOUS
UNCONFORMITY		
	Limestone member Gypsum and limestone	PERMIAN
	Givovets sandstone member	
	Joyita sandstone member, Cuba gypsum member, and Torres member, undifferentiated	PERMIAN
	Merets Blanca sandstone member	
	Abo formation Red shale, red and buff arkose	PERMIAN (?)
	Basim formation Red and maroon shale	
DISCONFORMITY (?)		PERMIAN
	Arkosic limestone member Limestone, arkose, and shale	
	Lower gray limestone member Cherry limestone	
	Sandia formation Shale, micaceous sandstone, and thin limestone	
	Joyita Hills and southern Ladron Mts. areas	PENNSYLVANIAN
	Sandia formation and lower gray and arkosic limestone members of the Madera limestone, undifferentiated	
ANGULAR UNCONFORMITY		PRECAMBRIAN
	Granite, quartzite, schist, and gneiss	

Formation boundary (dashed where approximately located, dotted where concealed)

Fault, ↓ indicates downthrown side

Fault, position uncertain

Fault, covered

Fault, covered, position uncertain

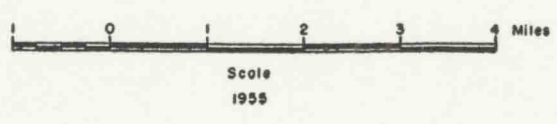
Quarry

Gravel pit

Source of geologic information (See literature cited in text)

1. Wilpolt and others (1946)
2. Wilpolt and others (1951)
3. Kelly and Wood (1946)
4. Denny (1940)
5. Kelley (1954)

Compiled with modifications by Zane Spiegel, 1954



GEOLOGY OF NORTHEASTERN SOCORRO COUNTY, NEW MEXICO