



**EXPLANATION**

Geological Formation	Symbol/Color	Geological Period
Tertiary	Ts	TERTIARY
Santa Fe formation	Kml	TERTIARY
Mancos, Mesaverde, and Lewis formations and later Cretaceous deposits, overlain locally by early Tertiary	ar	TERTIARY
Dakota sandstone	Kd	CRETACEOUS (?)
Morrison formation (Massive shale, greenish-gray, maroon, brown; and gray sandstone)	Km	CRETACEOUS (?)
Todilto formation (Gypsum on limestone)	Jt	JURASSIC (?)
Wingate sandstone (Massive sandstone, mostly pink)	Jw	JURASSIC (?)
Chinle (?) formation (Red shale)	Rc	TRIASSIC
Poleo sandstone (Gray, hard, massive)	Rp	TRIASSIC
Abo sandstone (Mostly red, some shale; also overlying Chupadera formation; massive gray sandstone on red shale) in region west and north of Jemez	Ca	CARBONIFEROUS
Magdalena group	Cmg	CARBONIFEROUS
Ancient Crystalline Rocks	Cr	ANCIENT CRYSTALLINE ROCKS
Granite and schist	Gr	ANCIENT CRYSTALLINE ROCKS
Igneous Rocks	ar	IGNEOUS ROCKS
Andesite, latite, rhyolite, basalt, tuff, etc.	ar	IGNEOUS ROCKS
Mine	M	IGNEOUS ROCKS
Fault	F	IGNEOUS ROCKS

Topography compiled from U. S. G. S. maps of Gallina, Jemez, and Santa Clara quadrangles; Forest Service maps of Santa Fe and Carson National Forests, and reconnaissance by N. H. Darton

**RECONNAISSANCE GEOLOGIC MAP OF NACIMIENTO UPLIFT AND CHAMA BASIN IN RIO ARRIBA AND SANDOVAL COUNTIES, N. MEX.**

Geology by N. H. Darton. Some geologic data in Range I from maps by B. C. Renick

