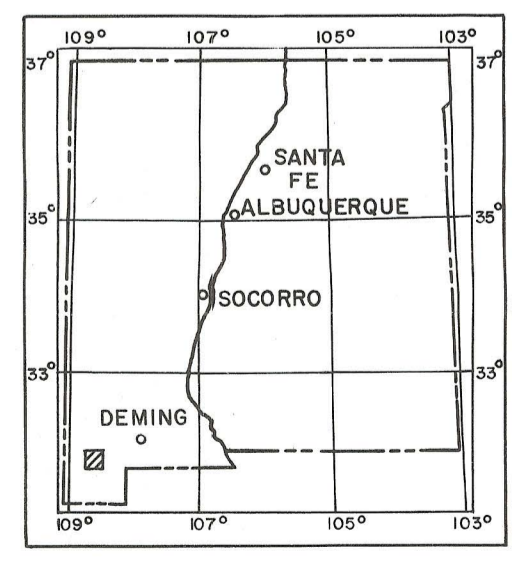


EXPLANATION		
	Qal	QUATERNARY
Alluvium		
UNCONFORMITY		
	TQc	TERTIARY
Conglomerate Boulder and cobble conglomerate and sandstone, composed entirely of Tertiary volcanic detritus.		
UNCONFORMITY		
	TvU	TERTIARY
Undifferentiated volcanic rocks All rocks of volcanic origin which underlie coarse-grained quartz latite of areas to the south. Lenticular beds of different rock types, including white rhyolite tuff, agglomerate, welded crystalline rhyolitic and quartz latitic tuff, latite, and andesite.		
UNCONFORMITY		
	KTI	TERTIARY
Intrusive rocks Monzonite porphyry and quartz monzonite porphyry.		
UNCONFORMITY		
	Ks	LOWER CRETACEOUS
Sandstone Lenticular beds of brown-weathered terrestrial sandstone interbedded in places with thin-bedded limestone and marl, and with limestone conglomerate. Includes Corbett sandstone and higher formations in Little Hatched Mountains.		
	KI	LOWER CRETACEOUS
Limestone Massive and medium-bedded limestone in places interbedded with shale and limestone conglomerate. Includes Howells Ridge formation in Little Hatched Mountains.		
	Ka	LOWER CRETACEOUS
Andesite Altered andesite flows. Includes Hidalgo volcanics in Little Hatched Mountains.		
UNCONFORMITY		
	PPU	PENNSYLVANIAN - PERMIAN
Undifferentiated Pennsylvanian and Permian limestone Massive limestone of Naco group exposed only in overthrust plates.		
	Mu	MISSISSIPPIAN
Undifferentiated Mississippian formations Includes massive Escabrosa limestone, rich in crinoidal detritus, and overlying Paradise formation of thin-bedded orange-weathered fossiliferous oolitic limestone.		
	EODu	CAMBRIAN - DEVONIAN
Undifferentiated Lower Paleozoic formations Includes the following formations: Percha shale - gray clay shale, Devonian (?). Montoya dolomite - medium- to light-gray dolomite. Ordovician. El Paso limestone - upper part blue limestone; lower part gray dolomite with chert nodules. Ordovician. Bliss formation - quartz sandstone and arkose. Cambrian-Ordovician.		
UNCONFORMITY		
	PCg	PRECAMBRIAN
Granite Pink very coarse-grained prophyritic granite, with 1-inch orthoclase phenocrysts.		
	Contact	
Approximately located.		
	Fault	
Dashed where fault doubtful or probable, and where approximately located. D, downthrown side; U, upthrown side.		
	Thrust fault	
Dashed where approximately located. Saw-teeth on side of upper plate.		
	Mine	
	Strike and dip of beds	

Base from Playas Quadrangle; surveyed by the U. S. Geological Survey in cooperation with the War Department.

15 1/2'
True North
Magnetic North
Approximate mean declination, 1918

Geology mapped in 1956.
Geologic cartography by E. S. Holman.



INDEX MAP OF NEW MEXICO

RECONNAISSANCE GEOLOGIC MAP OF PLAYAS FIFTEEN-MINUTE QUADRANGLE

By Robert A. Zeller, Jr.

