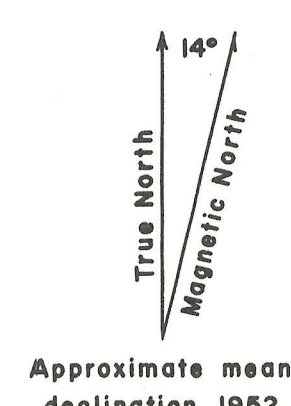


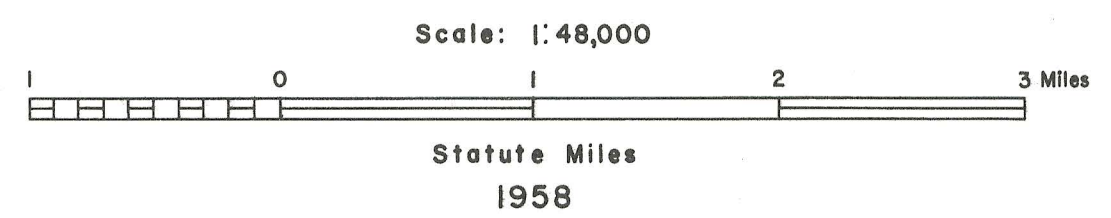
EXPLANATION		
	Alluvium Valley fill and terrace gravels related to present drainage.	QUATERNARY
	High-level gravels Poorly sorted terrace gravels, including some landslide debris not related to present drainage except locally.	
UNCONFORMITY		CRETACEOUS
	Mancos shale Gray-black platy calcareous marine shale; fossiliferous.	
	Dakota(?) formation Massive cross-bedded buff-brown conglomeratic sandstone.	JURASSIC
UNCONFORMITY		
	Brushy basin member Variegated green, gray, and yellow, thin bedded, calcareous siltstone and mudstone grading laterally into soft, silty sandstone with conglomeratic lenses.	
	Prewitt member Massive, coarse grained, cross-bedded, light pinkish-red conglomeratic sandstone.	
	Chavez member Variegated greenish siltstone, purplish-to-reddish sandy mudstone, and white-to-buff, coarse grained, conglomeratic sandstone.	
	Thoreau formation Massive to thin-bedded red, brown, and white sandstone and siltstone; alternating even-bedded and cross-bedded layers.	
	Todilto Limestone Thin bedded gray to black slobby limestone with thin black shale partings; locally sandy at base and top.	
	Entrada sandstone Massive well-sorted cross-bedded, medium-grained friable orange-red sandstone.	
UNCONFORMITY		
	Wingate formation Massive, friable, well-sorted, cross-bedded; brownish-orange sandstone.	
	Upper member Red, brown, and purple siltstone interbedded with reddish-brown mudstone containing thin coarse-grained sandstone lenses. Lime- pebble conglomerate common in uppermost layers.	
	Middle member Medium-to thick-bedded hard yellow-gray cross-bedded sandstone and pebble conglomerate with thin partings of purple-gray siltstone and mudstone.	
	Lower member Thin-bedded fine-grained purple-white silty sandstone with interbedded massive purple and chocolate-brown siltstone and mudstone.	
UNCONFORMITY		
	San Andres formation Lower: blue-gray to white fossiliferous limestone; middle: gray-yellow moderately well-sorted calcareous sandstone; upper: massive gray-pink fossiliferous limestone.	PERMIAN
	Glorieta formation Massive white-buff coarse-grained well-sorted cross-bedded pure quartz sandstone.	
	Upper member Pink poorly-sorted sandstone and siltstone with well-sorted medium-grained white-buff sandstone.	
	Limestone member Three beds of blue-gray fetid thin-bedded limestone separated by variegated sandstone, siltstone, and mudstone.	
	Second member Variegated thin-bedded calcareous poorly-sorted alternating sandstone and siltstone.	
	Meseta Blanca member Cross-bedded and thin-bedded well-sorted very fine-grained orange sandstone.	
	Abo formation Cross-bedded and even-bedded layers of chocolate-brown sandstone, siltstone, and conglomerate.	PENNSYLVANIAN
	Arkose and limestone Conglomerate and arkose composed principally of fragments of the underlying Precambrian (?) schist, gneiss, and other metamorphic rocks (Pak); thin sparsely fossiliferous limestone lenses are interbedded with the arkose (Pis).	
UNCONFORMITY		PRECAMBRIAN
	Precambrian(?) rocks Granite gneiss with aplitic facies and quartz veins.	

Base from Soil Conservation Service quadrangle no. 147, Planimetric Map Series.

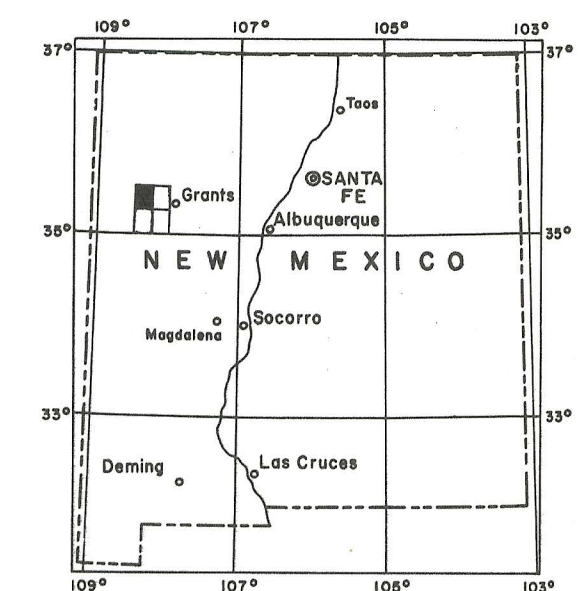


**GEOLOGIC MAP OF FOSTER CANYON QUADRANGLE
VALENCIA AND MCKINLEY COUNTIES, NEW MEXICO**

By Clay T. Smith and others



Geology mapped in 1950-1954.
Geologic cartography by Bob Price.



INDEX MAP OF NEW MEXICO

Contact
Dashed where approximately located; dotted where concealed.

Fault
Dashed where approximately located; dotted where concealed.