



GEOLOGY OF TORRANCE COUNTY, N. MEX.

EXPLANATION

Qld	Lake and dune deposits (Mostly lake deposits in basin enclosed in Estancia Valley and Encino basin. On east side of playas in Estancia Valley and Encino basin, dune sand. Older rock along the margins.)
QTu	Upland superficial deposits (Mostly upland gravels, in part Ogallala formation. Many exposures not mapped.)
TII	Later Tertiary intrusive rocks (Mostly dikes and sills.)
Tel	Early Tertiary intrusive rocks (Mostly dikes and sills.)
Rd	Doum group (Mostly gray and tan conglomeratic sandstone, red shale, and some limestone conglomerate.)
Pes	Upper clastic member and limestone member (Upper clastic member and limestone member in the northeastern part of the county. Limestone member in the southern and western part of the county.)
Psg	Glorita sandstone member (White to yellow sandstones, usually well cemented.)
Py	Yeso formation (Mostly red and some yellow sandstone, gypsum, and some red siltstone and gray limestone.)
Po	Abo formation (Dark-red shale, dark-red sandstone and arkose; conglomerate. Includes Bursum formation at base in southwestern part of county.)
Pmo	Arkose limestone member (Alternating red or brown arkose, arkose limestone, gray limestone.)
Hpm	Lower gray limestone member (Gray cherty limestone, calcareous shale.)
Psu	Upper clastic member
Pes	Igneous and metamorphic rocks (Igneous and metamorphic rocks in northern Manzano Mountains. Metamorphic rocks, mostly schist, in the southern Manzano Mountains. Mostly quartzite and some igneous and other metamorphic rocks in Federal Hills area. Quartzite in Cerro del Lobo. Granitic gneiss and other metamorphic rocks in southeastern part of county.)
Contact line between rock units (Long dashes where approximate; short dashes where concealed.)	
Approximate position of ancient lake shoreline (Estancia Valley and Encino basin.)	
200 Lines of equal thickness of valley fill in Estancia Valley '100-foot interval. Dashed where approximate.)	
Fault	
Source of data for geological map: 1. Adapted from Oil and Gas Preliminary Map 21. 2. Lake boundary from serial pictographs. 3. Field reconnaissance by Z. E. Spiegel. 4. Field reconnaissance by R. E. Smith. Lake boundary from aerial photographs.	
Base map adapted from County Highway Planning Map, 1951	
Scale: 0 1 2 3 4 5 6 7 Miles	