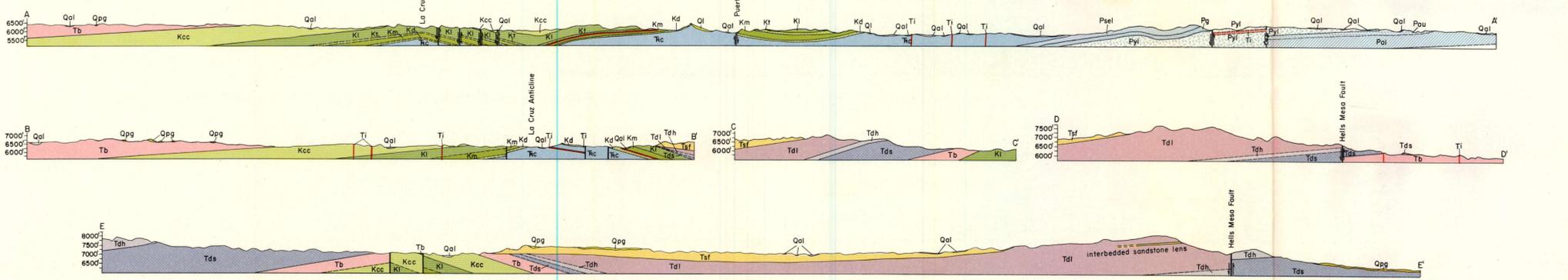


EXPLANATION

- Quaternary**
 - Qal Alluvium
 - Ql Landslides
 - Qs Spring deposits
 - Qpg Travertine, travertine-cemented conglomerate at base
 - Qpg Pediment gravels
 - Tertiary(?) to Quaternary**
 - Tsf Angular unconformity
 - Tsf Santa Fe group
 - Tsf Pink to light brown conglomerate, sandstone, siltstone
 - Tsf Variable contact
 - Tertiary**
 - Ti Basalt and syenodiorite
 - Td Dikes, sills, plugs, and necks
 - Tdl Dali volcanics
 - Tdl La Jara Peak member, gray to red basalt and basaltic andesite
 - Tdl Hells Mesa member, pink to white or light gray tuffaceous rhyolite, and welded rhyolite tuff
 - Tds Spears member, grayish purple to reddish brown quartz latite tuff, breccia, agglomerate, volcanic
 - Upper Cretaceous(?) to Eocene(?)**
 - Tb Unconformity
 - Tb Baco formation
 - Tb Pale yellow-brown to red-purple, impure sandstone and conglomerate, with interbedded reddish brown and grayish red-purple mudstone and shale
 - Upper Cretaceous**
 - Kcc Unconformity
 - Kcc Crevasse Canyon formation
 - Kc Grayish yellow and grayish olive sandstone and sandy, dark gray to black carbonaceous shale and coal beds
 - Kl La Cruz Peak formation
 - Kl Olive gray to bluish gray marine shale, sandy shale, and gray to yellow crossbedded sandstone and conglomerate
 - Km Mancos shale
 - Ki Trias Hermonia(?) sandstone member, grayish yellow massive sandstone
 - Km shale member, black to gray shale, large limestone concretions, and thin limestone lenses
 - Kd Dakota(?) sandstone
 - Kd Light gray to grayish yellow, medium-grained, massive, well-cemented sandstone, silica-pebble conglomerate lenses
 - Upper Triassic**
 - Tc Unconformity
 - Tc Chile formation
 - Tc Grayish red, grayish red-purple, light green, and light to dark reddish brown arkosic shale, mudstone, and siltstone, interbedded with feldspathic and limonite arkosic, red and black quartzite-pebble conglomerate near the base
 - Tc Dotted line indicates base of middle sandstone unit
 - Permian**
 - Psl San Andres formation
 - Psl upper limestone member, grayish green to dark gray oolitic limestone, and limestone breccia; minor amounts of gray to yellowish gray, fine-grained sandstone, and light gray gypsum
 - Psa middle evaporite member, white and greenish gray granular gypsum, subordinate amounts of greenish gray to light olive gray limestone, and green yellow calcareous sandstone
 - Psl, undifferentiated evaporite-limestone members
 - Pg Glorieta sandstone
 - Pg Two white to grayish yellow, crossbedded, fine-grained, calcareous sandstone units, separated by gypsum or argillaceous sandstone
 - Pyl Yeso formation
 - Pyl Los Valles member, grayish gray, oolitic limestone, pink and grayish yellow sandstone, siltstone, and shale, and white to light greenish gray gypsum
 - Pau Abo formation
 - Pau upper member, grayish yellow to light reddish brown, fine-grained, feldspathic sandstone and siltstone
 - Pyl lower member, dark grayish red to reddish brown arkosic shaly siltstone, shale, arkose and lenses of limestone-pebble conglomerate
- Formation contact dashed where uncertain
- Strike and dip of beds
- Horizontal bed
- Normal fault dashed where uncertain
- U upthrown D downthrown
- Synclinal axes dashed where uncertain
- APPROXIMATE MEAN DECLINATION, 1952
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Base map from U. S. Soil Conservation Service sheet 247. (---) Boundary of land grant, rejected Nov. 1886.

Geology by William H. Tanking, Princeton University Surveyed 1951-52 as part of Field Assistance Fellowship program



GEOLOGIC MAP AND SECTIONS OF THE PUERTECITO QUADRANGLE, NEW MEXICO

