

EXPLANATION

Quaternary and Recent(?)
Qalo
Older alluvium
Semiconsolidated gravel, sand, and silt

Pleistocene and Pleistocene(?)
QTP
Paso Robles Formation
Pebble conglomerate, sandstone, and mudstone; nearly all pebbles are of siliceous rocks common in the Monterey Shale; nonmarine

Pliocene
Tu
Unnamed formation
Fine-grained sandstone, coarse-grained and pebbly sandstone, mudstone, siltstone, claystone, shale, porcelanite, and diatomaceous rock; marine fossils locally abundant

Miocene
Tm
Tms
Monterey Shale
Tm, mudstone, porcelaneous mudstone, porcelanite, shale, fine-grained sandstone, carbonate beds, and carbonate concretions; marine Tms, Sandbluff Member: calcareous shale, siltstone, sandstone, porcelanite, chert, and carbonate beds; marine

Oligocene(?) and Miocene
Tvu
Tvl
Vaqueros Formation
Tvu, upper member: sandstone and siltstone, contains marine fossils
Tvl, lower member: sandstone and conglomerate, thickbedded, unfossiliferous

Eocene
Tru
Tr
Trm
Trl
Reliz Canyon Formation
Tr, undivided formation: sandstone, arkosic, massive, medium-to coarse-grained
Tru, upper member: sandstone, arkosic, massive, medium-to coarse-grained
Trm, middle member: siltstone, poorly bedded, hackly fracture, contains limy concretions, Eocene Foraminifera
Trl, lower member: sandstone, arkosic, medium-to coarse-grained, pebbly near base

Pre-Tertiary
pT
Basement Complex
Undivided gneiss, schist, quartzite, and crystalline limestone intruded by granitic rocks and associated pegmatite and aplite dikes

Contact
Dashed where gradational or approximately located; short dashed where inferred

Fault
Dashed where approximately located; short dashed and queried where inferred

Anticline
Showing approximate trace of axial plane

Syncline
Showing approximate trace of axial plane

Strike and dip of beds
x M902
Fossil locality
Numbered according to list of fossil localities in text

Measured section
Numbered according to descriptions in text under "Measured sections"

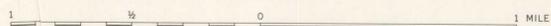
Oil and gas wells
19 24
Dry hole

Queried where location is approximate; numbered according to table 2

Landslide
Arrow shows direction of movement

GEOLOGIC MAP OF THE RELIZ CANYON QUADRANGLE, MONTEREY COUNTY, CALIFORNIA

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



Base by Army Map Service

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—62170

9.6 MI. TO DEL VENTURI ROAD
Geology mapped in 1959