



EXPLANATION

SEDIMENTARY ROCKS

Qal

Alluvium

Qr

Terrace deposits

Tpr

Paso Robles ("Tulare")
formation

(Freely consolidated sand, clay, and gravel with a very few indurated beds and one zone of fine clay. In parts of the area the Paso Robles formation is mapped as including some beds of Etchegoin age. Heavy dotted line marks approximate position of outcrop of calcareous beds)

Tm

Etchegoin formation

(Chiefly very fine sand or sandy clay, with a few coarse sandstones indurated by a calcareous cement. As here used probably includes at base a representative of Jacalita formation. In parts of the area some beds of Etchegoin age are included in the Paso Robles formation as mapped. Contains the chief petroleum reservoirs of the district)

Tm

UNCONFORMITY

Tm

Maricopa shale

(The lower two-thirds, Tm, chiefly indurated diatomaceous shale with numerous thin calcareous layers and a few lenses of arkosic sandstone. The upper third, Tm, where discriminated, chiefly soft diatomaceous shale with lenses of coarse sandstone and huge granitic boulders. Heavy dotted line marks approximate position of base of upper division of Maricopa shale)

Tm

UNCONFORMITY

Tm

Vaqueros formation (lower Miocene)

(For convenience in mapping some Oligocene is included at base. Consists of massive sandstone and fine carbonaceous clay shale, probably in part diatomaceous, also in east end of San Emigdio Mountains coarse ill-sorted conglomerate, probably of terrestrial origin)

Tm

UNCONFORMITY

Tm

Tejon formation

(Chiefly fine sandy shale and fine sandstone with a little coarse sandstone and a local conglomerate, all of marine origin)

IGNEOUS ROCKS

Tb

Basalt

(Scoriaceous and compact extrusive basalt)

Tb

Andesite?

(Varicolored coarse agglomerate)

Tb

Granitic and more basic intrusive rocks with associated schists, chiefly intrusive rocks

Contact between geologic formations

Axis of anticline

Axis of syncline

Fault

Full line, accurate
Dashed line, approximate
Dotted line, concealed
Arrows parallel to axes of folds show direction of plunge

Dip of bed

Overturned bed

Contorted beds

Vertical bed

Oil seep or tar sands ("brea")

Position of chief oil sands shown in cross sections by solid black