

Plate XI

Geology by
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Paleontology				Grain Size	
Luis	Luisian	L	Lower	fn	fine
Rel	Relizian	M	Middle	md	medium
Sauc	Saucesian	U	Upper	ca	coarse
Mio	Miocene	Bar	Barren	peb	pebbly
Zem	Zemurian	ND	Non-diagnostic	cob	cobbles
Cret	Cretaceous	ND	Non-diagnostic	bls	boulders

Lithology				Other	
congl	conglomerate	aren	arenaceous	brit	brittle
gvl	gravel	volc	volcanics	carb	carbonaceous
osl	oil sand	biot	biotite	kaol	kaoline
ost	oil stained	mic	micaceous	frag	fragments
ss	sand	mmic	micaceous	mtx	matrix
sd	sandy	py	pyrite	pry	poorly sorted
slst	siltstone	calc	calcareous	w	well sorted
slty	silty	phos	phosphatic	stbr	subrounded
sh	shale	bent	bentonitic	w rd	well rounded
clst	claystone	pp	porphyry	qz	quartz
clty	clayey	qtz	quartzite	ang	angular
cly	clay	stz	staurolite	frab	friable
		mar	marine	cont	continental

EXPLANATION

QUATERNARY

- Qg River sand and gravel
- Qya Younger alluvium, unconsolidated
- Qls Landslide rubble
- Qoa Older alluvium, semiconsolidated
- Tmo MORALES FORMATION, sandstone, siltstone, and claystone, nonmarine
- Tsm SANTA MARGARITA FORMATION, sandstone and siltstone
- Tsd Tsd, diatomite

MONTEREY FORMATION

- Tmw, Whitlock Bluff Shale Member, Monterey Formation; siltstone, laminated, abundant foraminifera
- Tbc, BRANCH CANYON SANDSTONE, Td, basalt
- Tms, Salto Shale Member, Monterey Formation; siltstone, laminated, abundant foraminifera
- Tmn MONTEREY FORMATION, undifferentiated

VAQUEROS FORMATION

- Tvp Painted Rock Sandstone Member, sandstone, silty in lower part, (dibble sand)
- Tsl Soda Lake Shale Member, siltstone, common foraminifera, (calgrove shale)
- Tqc Quail Canyon Sandstone Member, sandstone, (calgrove sand)
- Tv VAQUEROS FORMATION, undifferentiated

SIMMLER FORMATION

- Tsl SIMMLER FORMATION, conglomerate, sandstone, and siltstone, red to variegated
- Tu Unnamed pre-Oligocene sedimentary rocks, sandstone, siltstone, and minor conglomerate
- G Granite or gneiss

Map View

- Operator: Bishop
- Well name: Chorum
- Well location: into section
- Line of section: Hammerbluff
- Scale: 6-10, 4-10

Section View

- Well location: Hammerbluff
- Surface dip: overturned dip
- SEA LEVEL
- Diameter: 100
- Bedrock: 100
- Core depth: 100
- Total depth of well: 100
- Diameter and surface dip corrected for line of section

Formation contact, dashed where inferred, queried where uncertain.

Unconformity, dashed where inferred, queried where uncertain.

Electric-log marker, broken dash where inferred, queried where uncertain.

Contoured horizon/electric-log marker.

Contoured horizon/electric-log marker/formation contact.

Fault, dashed where inferred, queried where uncertain, arrows show relative vertical direction of movement, letters show relative horizontal movement (A=away, T=toward).

HORIZONTAL AND VERTICAL SCALE

0 500 1000 2000 Feet

Drafting by Paula L. Pitts

