

Plate X

Geology by
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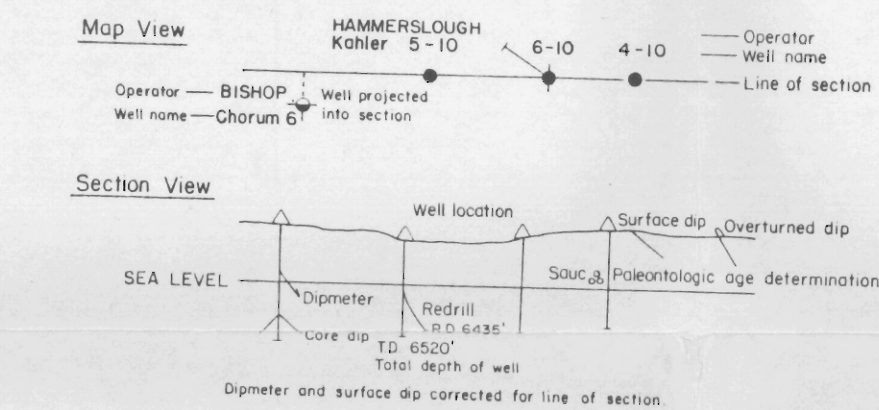
Paleontology				Grain Size	
Luis	Luisian	L	Lower	fn	fine
Rel	Relian	M	Middle	md	medium
Sauc	Saucesian	U	Upper	cs	coarse
Mio	Miocene	Bar	Barren	peb	pebbly
Zem	Zemorian	ND	Non-diagnostic	cob	cobbles
Cret	Cretaceous of Cuyama Valley			blks	boulders

Lithology				Color		Other	
congl	conglomerate	aren	arenaceous	red	white	prob	probably
gvl	gravel	vola	volcanics	bf	yl	occ	occasional
osd	oil sand	biol	biolite	bn	dk	abun	abundant
ost	oil stained	mic	micaceous	blk	lt	w/	with
ss	sandstone	mmic	micaceous	gy	mtd	vy	very
sd	sand	py	pyrite	bl	var	stks	streaks
sdv	sandy	colc	calcareous	gn	choc	hd	hard
slst	siltstone	phos	phosphatic	mrn		fos	fossiliferous
slty	silty	bent	bentonitic			megafos	megafossils
sh	shale	ppy	porphyry			forams	foraminifera
clst	claystone	qtz	quartz			c	core
clty	clayey	qtzite	quartzite			sws	side-wall sample
cl	clay	mar	marine			d	ditch
						OH	Original Hole
						TD	Total Depth
						RD	Redrill

HORIZONTAL AND VERTICAL SCALE
0 500 1000 2000 Feet
Drafting by Paula L. Pitts

EXPLANATION

QUATERNARY	Qg	River sand and gravel
	Qya	Younger alluvium, unconsolidated
	Qls	Landslide rubble
	Qaa	Older alluvium, semiconsolidated
	unconformity	
	Tmo	MORALES FORMATION, sandstone, siltstone, and claystone, nonmarine
	unconformity	
	Tsm	SANTA MARGARITA FORMATION, sandstone and siltstone
	Tsd	Tsd, diatomite
	Tmw	MONTEREY FORMATION, Monterey Formation, siltstone, laminated, abundant foraminifera
TERTIARY	Tbc	Tbc, BRANCH CANYON SANDSTONE, sandstone, massive
	Tb	Tb, basalt
	Tms	Tms, Salton Shale Member, Monterey Formation, siltstone, laminated, abundant foraminifera
	Tmm	MONTEREY FORMATION, undifferentiated
	Tvp	VAQUEROS FORMATION
	Tsl	Painted Rock Sandstone Member, sandstone, silty in lower part, (Dibblee sand)
	Tqc	Soda Lake Shale Member, siltstone, common foraminifera, (Colgrove shale)
	Tv	Quail Canyon Sandstone Member, sandstone, (Colgrove sand)
	Tv	VAQUEROS FORMATION, undifferentiated
	Tsl	SIMMLER FORMATION, conglomerate, sandstone, and siltstone, red to variegated
TERTIARY & OLIGOCENE & EOCENE & OLDER	Tu	Unnamed pre-Oligocene sedimentary rocks; sandstone, siltstone, and minor conglomerate
	G	Granite or gneiss



- 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).

