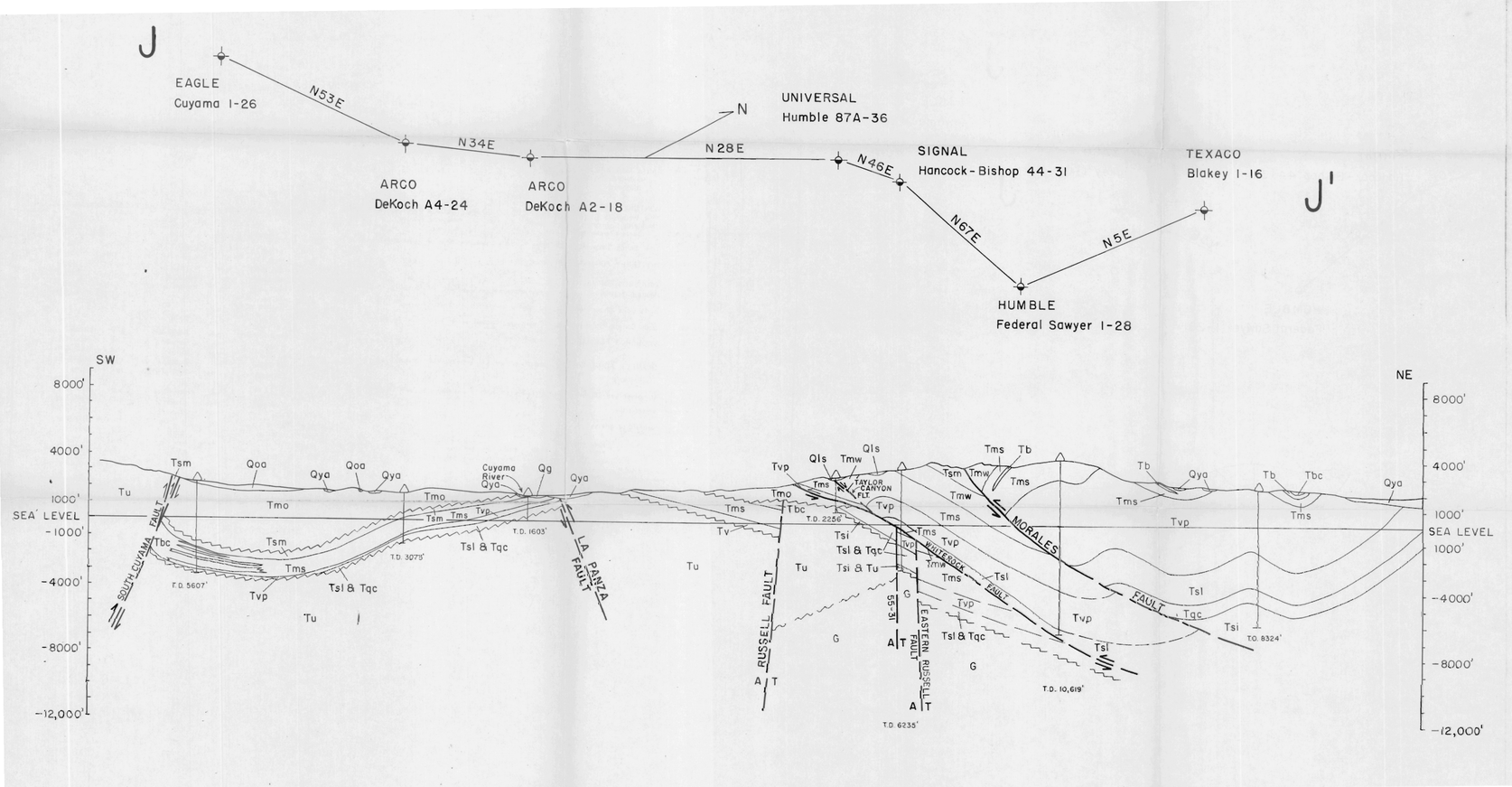

EXPLANATION

QUATERNARY

- Qg — River sand and gravel
- Qya — Younger alluvium, unconsolidated
- Qls — Landslide rubble
- Qoa — Older alluvium, semiconsolidated

unconformity

TERTIARY

HOLOCENE

MIOCENE (?) & PLIOCENE (?)

- Tmo — MORALES FORMATION, ... siltstone, siltstone, and claystone; nonmarine

unconformity

- Tsm / Tsd — SANTA MARGARITA FORMATION; sandstone and siltstone; Tsd, diatomite

MIOCENE

- Tmw — MONTEREY FORMATION; Tmw, Whiterock Bluff Shale Member, Monterey Formation; siltstone, laminated, abundant foraminifera
- Tbc — BRANCH CANYON SANDSTONE; sandstone, massive
- Tb — basalt
- Tms — Tms, Saltos Shale Member, Monterey Formation; siltstone, laminated, abundant foraminifera
- Tmm — MONTEREY FORMATION, undifferentiated
- Tvp — VAQUEROS FORMATION; Pointed Rock Sandstone Member; sandstone, silty in lower part, (Dibblee sand)
- Tsl — Soda Lake Shale Member; siltstone, common foraminifera, (Colgrove shale)
- Tqc — Quail Canyon Sandstone Member; sandstone, (Colgrove sand)
- Tv — VAQUEROS FORMATION, undifferentiated

OLIGOCENE

- Tsl — SIMMLER FORMATION; conglomerate, sandstone, and siltstone, red to variegated

unconformity

- Tu — Unnamed pre-Oligocene sedimentary rocks; sandstone, siltstone, and minor conglomerate

unconformity

TERTIARY &/OR CRETACEOUS

EOCENE &/OR OLDER

- G — Granite or gneiss

Map View

Operator — BISHOP ; Well name — Chorum 61 ; Well projected into section

HAMMER SLOUGH Kahler 5-10 ; 6-10 ; 4-10 — Operator ; well name ; Line of section

Section View

Well location ; Surface dip ; Overturned dip ; Sample & paleontologic age determination ; SEA LEVEL ; Dipmeter ; Redrill ; Core dip ; Total depth of well

Dipmeter 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).

Plate XIV

Geology by
J. A. Calhoun
Oregon State University
1985

Paleontology

Luis	Luisian	L	Lower
Rel	Relizian	M	Middle
Sauc	Saucesian	U	Upper
Mio	Miocene	Bar	Barren
Zem	Zemorrian	ND	Non-diagnostic
Cret	"Cretaceous of Cuyama Valley"		

Grain Size

fn	fine
md	medium
cs	coarse
peb	pebbly
cob	cobbles
bldrs	boulders

Lithology

congl	conglomerate	aren	arenaceous	brit	brittle
gvl	gravel	volc	volcanics	carb	carbonaceous
ssnd	oil sand	biot	biotite	kaol	kaolinite
ostd	oil stained	mic	micaceous	frags	fragments
ss	sandstone	mmic	micromicaceous	mtx	matrix
sd	sand	py	pyrite	prly srt	poorly sorted
sdy	sandy	calc	calcareous	w srt	well sorted
sltst	siltstone	phos	phosphatic	sbrd	subrounded
slty	silty	bent	bentonitic	w rd	well rounded
sh	shale	ppy	porphyry	sbang	subangular
clyst	claystone	qtz	quartz	ang	angular
clyey	clayey	qtzite	quartzite	friab	friable
cly	clay	mar	marine	cont	continental

Color

rd	red	wh	white	prob	probably
bf	buff	yl	yellow	occ	occasional
bn	brown	drk	dark	abun	abundant
blk	black	lt	light	w/	with
gy	grey	mtd	mottled	vy	very
bl	blue	var	variegated	stks	streaks
gn	green	choc	chocolate	hd	hard
mrn	maroon			fos	fossiliferous
				megafos	megafossils
				foroms	foraminifera

Other

c	core
sws	side-wall sample
d	ditch
OH	Original Hole
TD	Total Depth
RD	Redrill

Bedding

ms	massive
lam	laminated
interbd	interbedded
prly bd	poorly bedded
thn bd	thinly bedded
frac	fractured
slick	slickensides

HORIZONTAL AND VERTICAL SCALE
0 500 1000 2000 Feet

Drafting by Paula L. Pitts