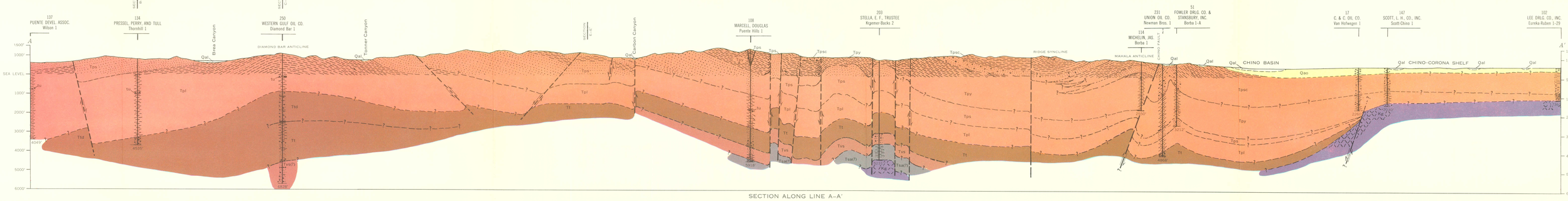
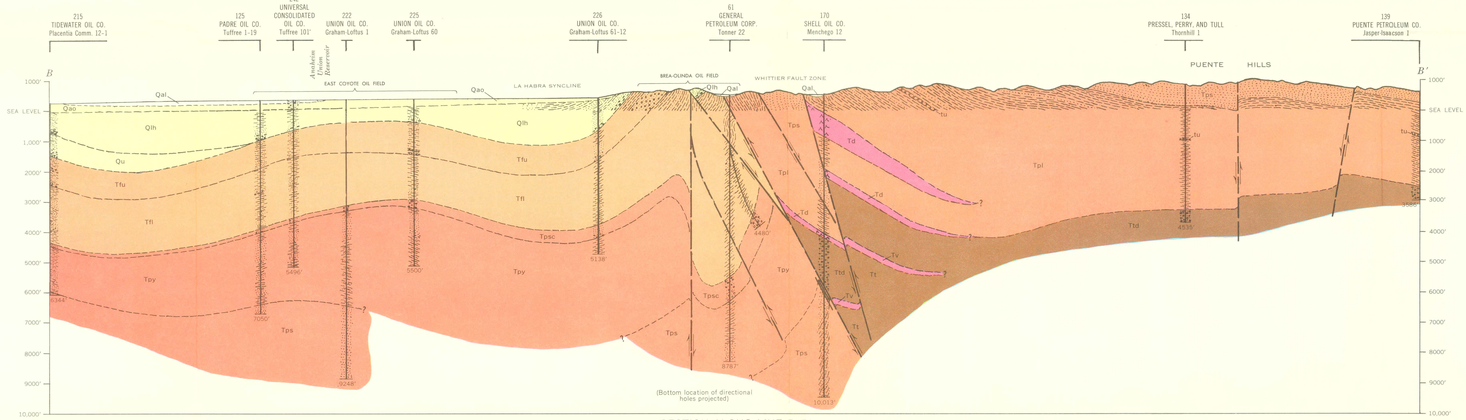


SECTION ALONG LINE A–A′



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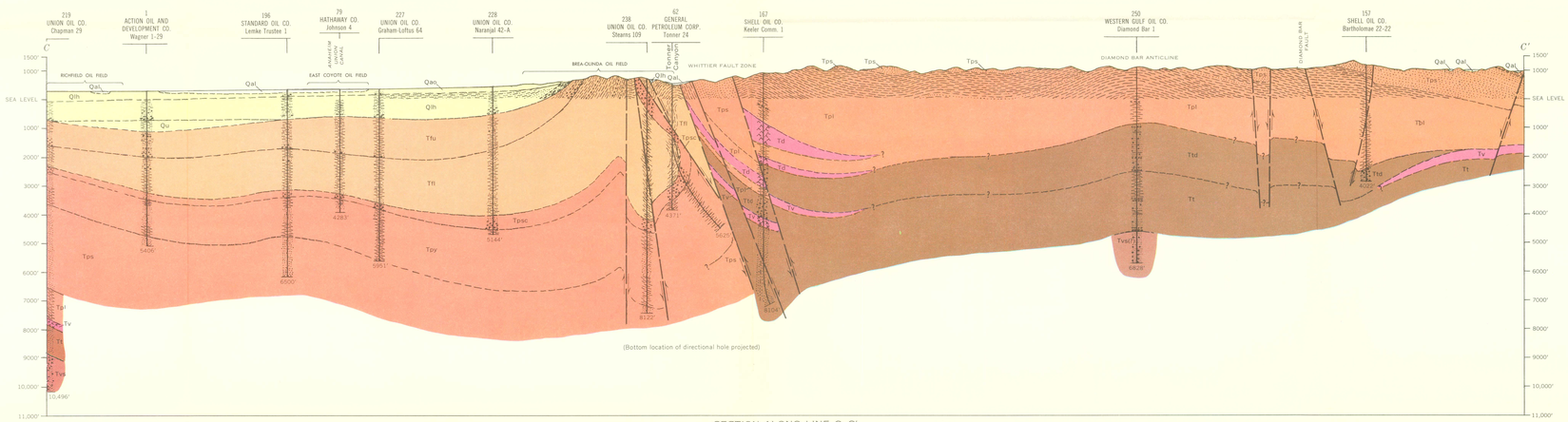
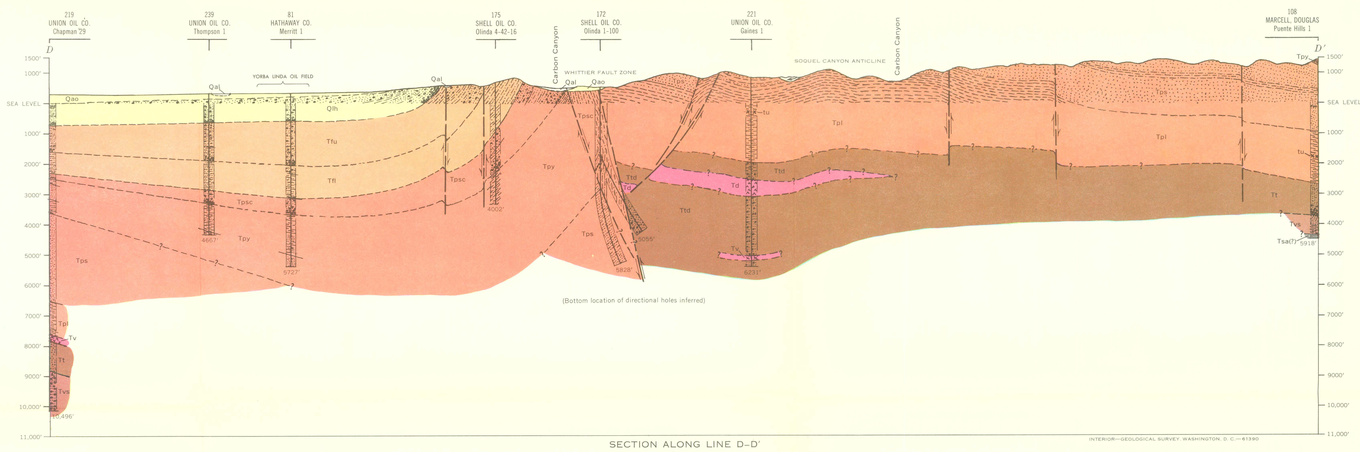


SECTION ALONG LINE C–C′



SECTION ALONG LINE D–D′

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—61390

EXPLANATION

QUATERNARY

Holocene

- **Qal** — Younger alluvium

Pleistocene and Holocene(?)

- **Qao** — Older alluvium

Pleistocene

- **Qlh** — La Habra formation
- **Qu** — Unnamed rocks
  Nonmarine(?) gray sandstone and conglomerate; intercalated green and gray claystone and siltstone with plant fragments and reworked Foraminifera; marine light-grayish-brown sandstone; marine light-brown siltstone

TERTIARY

Pliocene

- **Tfu, Tfl** — Fernando formation
  Tfu, upper member
  Tfl, lower member

Upper Miocene

- **Tpsc, Tpy, Tps, Tpl, Tu** — Puente formation
  Tpsc, *Sycamore Canyon member*
  Tpy, *Yorba member*
  Tps, *Soquel member*
  Tpl, *La Vida member*
  tu, *andesitic tuff*

Middle Miocene

- **Ttd, Tt** — Topanga formation
  Ttd, *Diamond Bar sand, pebbly feldspathic sandstone and sandy conglomerate, locally overlies volcanic rocks (Tv)*
  Tt, *undivided Topanga formation*

Upper Oligocene to Middle Miocene

- **Tvs** — Vaqueros and Sespe formations undifferentiated

Eocene

- **Tsa** — Santiago formation

- **Td** — Diabasic intrusive rocks
  Diabasic dikes and sills along the Whittier fault zone
- **Tv** — Volcanic rocks
  Andesitic and basaltic flows; flow breccias; tuffs. Commonly intensely altered

CRETACEOUS

Upper Cretaceous

- **Kg** — Plutonic basement rocks
  Quartz diorite and granodiorite

Note: Descriptions of units not described above can be found on plate 1

LITHOLOGIC SYMBOLS

- Siltstone and claystone
- Sandstone
- Conglomerate
- Flow, flow breccia, and tuff
- Tuff bed
- Diabasic intrusive rocks
- Quartz diorite and granodiorite

Direction of line of section changes at nearly every well.
See plate 1 for location of lines of section.
See table 4 for list of wells.

GEOLOGIC SECTIONS A–A′, B–B′, C–C′, AND D–D′, PRADO DAM AND YORBA LINDA QUADRANGLES, LOS ANGELES, ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES, CALIFORNIA

SCALE 1:24 000

1 ½ 0 1 MILE