74-338

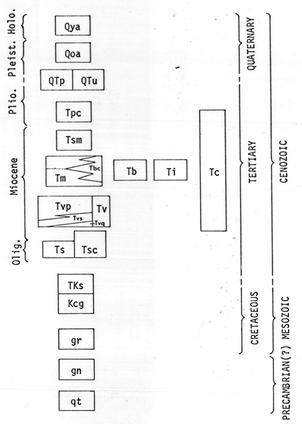
PLATE I

GEOLOGIC MAP OF THE CALIENTE RANGE-CARRIZO PLAIN AREA, CALIFORNIA

Base rescribed from 7.5' and 15' Topographic quadrangles. 12/10/69 B.M.W. - Menlo Park

SCALE 1:125,000

EXPLANATION



Qya - Younger alluvium and fan deposits
Qoa - Older alluvium and fan deposits
QTp - Paso Robles Formation
QTu - Deformed alluvial deposits
Tpc - Pliocene continental deposits (incl. Morales and Quatal Formations)
Tsm - Santa Margarita Formation
Tm - Monterey Shale
Tbc - Branch Canyon Sandstone
Tb - Basalt
Ti - Intrusives
Tc - Caliente Formation
Vaqueros Formation
- Tvp - Painted Rock Sandstone Member
- Tvs - Soda Lake Shale Member
- Tvq - Quail Canyon Sandstone Member
- Tv - undivided Vaqueros Formation

Simmler Formation
- Ts - sandstone facies
- Tsc - conglomerate facies

Upper Cretaceous-lower Tertiary marine sequence
- TKs - undivided marine sequence
- Kcg - Cretaceous conglomerate

gr - Granitic rocks
gn - Gneissic rocks
qt - Quartzite

Contact

Fault
Dotted where concealed

Thrust fault
Barbs on upper plate

Anticlinal axis

Synclinal axis

17 Oil field

Exploratory well drilled for oil

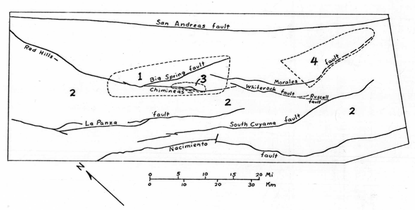
Line of stratigraphic section

EXPLORATORY WELLS DRILLED FOR OIL

1. UNION Wreden 6	sec. 15, T29S, R16E
2. UNION Wreden 1	sec. 17, T29S, R17E
3. SHELL McDonald Estate 28-30	sec. 30, T29S, R18E
4. SHELL Ferguson 87X-14	sec. 14, T30S, R17E
5. SHELL Ferguson 41-13	sec. 13, T30S, R17E
6. TEXACO Grayson-Owen 4	sec. 32, T30S, R18E
7. SUPERIOR Core Hole 15	sec. 28, T30S, R18E
8. SUPERIOR Grayson-Owen 14-13	sec. 13, T31S, R18E
9. SUPERIOR Core Hole 12	sec. 1, T31S, R18E
10. R.K. CROSS Humble - Grayson-Owen 68-19	sec. 19, T31S, R19E
11. EXXON Claude Arnold et al 2	sec. 33, T31S, R19E
12. ATLANTIC-RICHFIELD Blakey 1	sec. 20, T31S, R20E
13. ATLANTIC-RICHFIELD Greer-Chimineas 22-14	sec. 14, T32S, R19E
14. GULF OF CALIF. SM-Humble 1	sec. 24, T32S, R19E
15. TEXACO Blakey 1	sec. 16, T32S, R20E

OIL FIELDS

16. Taylor Canyon
17. Morales
18. Russell Ranch
19. South Cuyama



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3. Ross, D.C., unpublished mapping, 1966. Scale 1:18,000

4. Vedder, J.G. and Repenning, C.A., 1965, Geologic map of the southeastern Caliente Range, San Luis Obispo County, California: U.S. Geol. Survey Oil and Gas Inv. Map OM-217. Scale 1:24,000

Geology compliled from above sources by J.A. Bartow, 1973.

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.