

PRE-MONTEREY SUBCROP AND STRUCTURE CONTOUR MAPS,
WESTERN SAN LUIS OBISPO AND SANTA BARBARA COUNTIES,
SOUTH-CENTRAL CALIFORNIA

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Pre-Monterey (Miocene) subcrop and structure contour maps have been compiled from existing maps and well-hole data to depict the distribution of rocks that lie beneath the Monterey Formation and on which Tertiary rocks were deposited. These maps indicate the general topography of the sea floor when the Monterey Formation was deposited.

The subcrop maps have been drawn from geologic maps that depict surface geology and from data from approximately 300 exploratory wells.

The structure contour maps show the upper surface of pre-Tertiary rocks—sometimes referred to as the "basement complex"—including the Franciscan Complex, Jurassic ophiolite, chert or shale, and rocks reported to be Cretaceous in age.

In places the identification of the Knoxville Shale and Franciscan Complex is uncertain in the downhole logs; some closely spaced wells have penetrated both of these units, and individual horizons are not clearly identified as predominantly shale (probably Jurassic and equivalent to the Knoxville Shale) or a mélange within the Franciscan Complex. It is probable that the distribution of the Lospe Formation of Oligocene age, which lies within the Santa Maria basin (between the Santa Maria River, Foxen Canyon, and Little Pine faults and the Lompoc-Solvang fault) is more limited than shown; because where exploratory wells are closely spaced, the Lospe Formation is patchy in its distribution.

In order to infer the depth of the top of the basement complex in some of the exploratory wells, it has been necessary to use data from nearby wells, known thicknesses of formations, and structural trends from surface geologic maps. Surface-geologic and detailed structure contour maps of producing oilfields indicate local configurations of subsurface structures and the top of the basement complex. Where well data are sparse, the location and spacing of structure contours are only estimated, yet the maps show the general structural configuration of the basement complex and the presence of several faults that are not recognized in surface geology. It should be emphasized that inadequate information precludes a complete or detailed subsurface map at this time.

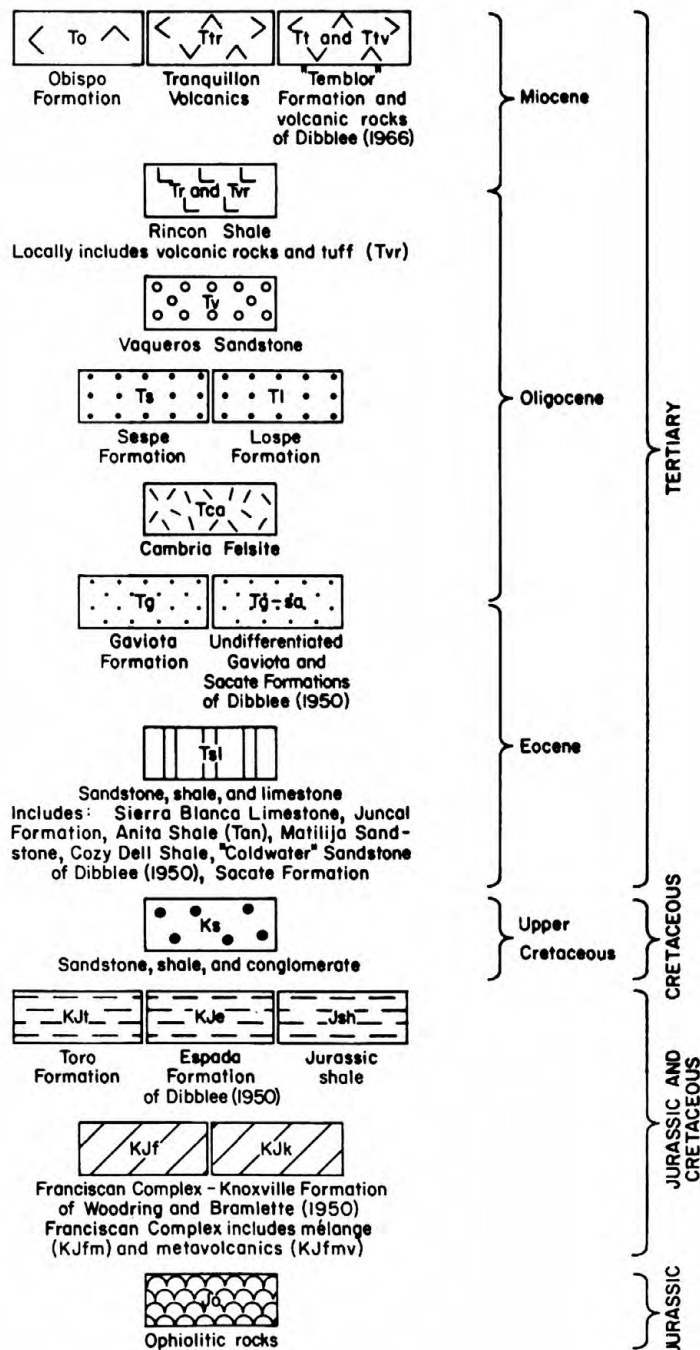
Because many wells within the Santa Maria basin do not penetrate formations older than the Monterey, it is possible that Tertiary rocks other than the Lospe Formation occur within the basins; for example, in subbasins and not along basement highs. Speculation cannot be substantiated because of the lack of evidence of the presence of thick sections of the Obispo Formation, basaltic rocks, or marine Tertiary rocks.

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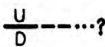
EXPLANATION FOR PRE-MONTEREY SUBCROP MAPS

NOTE: There are some units without patterns on the subcrop maps that do not appear below -- see stratigraphic symbols that accompany table on well data. These units indicate juxtaposition of Monterey Formation (Tm) with other units.



MAP SYMBOLS

Faults

 Fault - Dashed where approximately located onshore; dotted where inferred onshore; queried where uncertain. U, upthrown side; D, downthrown side

 Fault, inferred offshore

 Thrust fault - Dotted where inferred. Sawteeth on upper plate

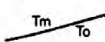
Pre-Monterey subcrop map

Inferred contact - Queried where uncertain

 Onshore

 Offshore

Contact data

 Juxtaposition of Monterey Formation (Tm) with other stratigraphic units at the surface in the onshore area, see stratigraphic symbols preceding well data

Structure contour maps

 Structure contour - Contour interval 500 feet. Dashed offshore; solid onshore; queried where uncertain. Contours indicate surface of basement complex.

 Well - Number refers to well data in pamphlet. Depth shown next to well is depth below sea level or depth at which unit was encountered in well minus elevation of well. This is depth at which Franciscan Complex was encountered; other units encountered are identified by map symbol in parentheses

SYMBOLS FOR TABLE ON WELL DATA

NOTE: Some symbols listed below appear on subcrop maps as well as in table.

Q Quaternary deposits

Qal Quaternary alluvial deposits

Qt Quaternary terrace deposits

Qor Orcutt Sand (Quaternary)

Qpr Upper part of Paso Robles Formation (Quaternary)

Tc Careaga Sandstone (Pliocene)

Tf Foxen Mudstone (Pliocene)

Tsq Sisquoc Formation (Miocene and Pliocene)

Tp Pismo Formation (Miocene and Pliocene)

Tsm Santa Margarita Formation (Miocene)

Tm Monterey Formation (Miocene)

Tps Point Sal Formation (Miocene)

To Obispo Formation (Miocene)

Ttr Tranquillon Volcanics of Dibblee [1950] (Miocene)

Tt "Temblor" Formation of Dibblee [1966] (Miocene)

Ttv Volcanic rocks in "Temblor" Formation of Dibblee [1966] (Miocene)

Tr Rincon Shale (Oligocene and Miocene)

Tv Vaqueros Sandstone (Oligocene)

Ts Sespe Formation (Oligocene)

TI Lospe Formation (Oligocene)

Tg Gaviota Formation of Effinger [1935] (Eocene and Oligocene)

Tg-sa Undifferentiated Gaviota and Sacata Formations of Dibblee [1950] (Eocene and Oligocene)

Tsl Sandstone, shale, and limestone (Eocene)

Tcd Cozy Dell Shale (Eocene)

Tma Matilija Sandstone (Eocene)

Tan Anita Shale of Kelley [1943] (Eocene). Includes Juncal Formation of Page and others [1951]

Ks Sandstone, siltstone, shale, and conglomerate (Cretaceous)

KJe Espada Formation of Dibblee [1950] (Jurassic and Cretaceous)

KJk Knoxville Formation of drillers and Woodring and Bramlette [1950] (Jurassic and Cretaceous)

s Serpentine

Jsh Shale (Jurassic)

Jch Chert (Jurassic)

Jo Ophiolite rocks (Jurassic)

WELL DATA USED FOR COMPILATION OF SUBCROP AND STRUCTURE CONTOUR MAPS

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
1	30 S.	11 E.	9	42	Van Stone & Dalleston "Souza" 1	1951	1233	0-1233	KJf
2	30 S.	10 E.	24	462	W. H. Provost "Spoonier" 1	1952	1749	0-780	Tp-Qpr?
								780-1300	Tm
								1300-1330	KJf
3	30 S.	10 E.	24	310	Gretna Corp. "Maino-Gonzales" 1	1937	1575	0-1565	Tm (Tp also probably present)
								1565-1575	s
4	30 S.	10 E.	24	310	Shell Oil "Buchon" 1	1965	1412	0-1396	Tm (Tp also probably present)
								1396-1412	KJf
5	30 S.	10 E.	34	177	A. O. Lewis "Pecho" 1	1937	2745	0-2745	Tm (Tp also probably present)
6	31 S.	10 E.	3	375	Getty Oil "Montadoro" 1	1954	6146	0-3800	Tm (and top ~200 feet probably Tp)
								3800-5070	To
								5070-5155	Tr
								Fault	
								5155-6146	To
7	31 S.	11 E.	15	1614	Getty Oil "Honolulu-Tidewater-U.S.L.-Heller Lease" 1	1958	10788	0-4363	Tm (top ~100 feet probably Tp shale)
								4364-4722	Tps
								4722-5370	To
								5370-5546	Tr
								5546-6354	To
								6354-10174	Tr (To?)
								10174-10788	To
8	31 S.	11 E.	18	680	Clayton Development Co. 1	1928	2545	0-2275	Tm
								2275-2545	KJf
9	31 S.	12 E.	18	493	C. C. Townsend "Townsend-Gunter" 1	1957	3286	0-1105	Tm
								1105-2750	To
								2750-2950	Tv
								2950-3285	KJf
10	31 S.	12 E.	28	400	E. J. Milley 1	1924	2020	?	Tp
								?	Tm
11	31 S.	12 E.	26	695	A. T. Jergins Trust "Indian Knob" 1	1936	2391	0-2391	Tp (Tm probably present)
12	31 S.	12 E.	26	250	A. T. Jergins "Jergins" 1	1931	1869	0-922	Tp (Tm probably present)
								922-1793	s (probably To in part)
13	31 S.	12 E.	26	~800	Shell Oil "P-5"	1965	1300	0-522	Tp
								Fault	
								522-700	Tp
								700-1300	Tm
14	31 S.	12 E.	26	~800	Shell Oil "D-1"	1965	1401	0-800	Tp
								800	Fault
								800-1401	Tp
								1401	Tm
15	31 S.	12 E.	35	340	Macoil "Miossi" 1	1948	2099	0-1401	Tp
								1401	Fault
								1401-1435	Tp
								1435-2099	Tm
16	31 S.	13 E.	29	210	Pismo Oil Co. "Mello" 1	1955	1505	0-980	Tp
								980-1307	Tm
								1307-1505?	To
17	31 S.	13 E.	33	460	Frank Goldman "Goldman Furtado" 1	1965	3895	0-3895	Tm

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
18	31 S.	13 E.	28	325	Loma Grande Oil Co. 1	1958	2125	0-900 900-2125	Tp Tm
19	31 S.	13 E.	33	275	C. W. Colgrave "Patchett" 1	1949	4696	0-1650 1650-4110 4110-4570 4570-4696	Tp Tm To (and Tr?) KJf
20	31 S.	13 E.	33	225	Birch Royer Oil "B. E. Patchett" 1	1936	2357	0-1147 1147-2357	Tp Tm
21	31 S.	14 E.	16	1109	Getty Oil "Ida B" 1	1965	3550	0-750 750-2700 2700-3150 3150-3250 3250-3550	Tm Tps (= To in part?) Tr Tv KJf (KJk)
22	31 S.	14 E.	15	1157	Getty Oil "U.S.L." 1	1964	7437	0-7437	Tm
23	31 S.	14 E.	20	1183	Time Petrol. Co. "B-H-K" 1	1965	4491	0-2680 2680-3490 3490-4491	Tm (and Tps?) To (and Tr) KJf
24	32 S.	12 E.	2	320	McFarland Energy, Inc., "McFarland Miossi" 1	1977	4980	0-2790 2790-4280? 4280-4980 4980	Tm Tps Relizian (To?) Tr and Tv (Saucasian) KJf?
25	32 S.	13 E.	7	250	Holly Oil "Meherin" 1	1940	4072	0-? ?-1660 1660-2330 2330-4040 4040-4072	Tp Tm To Tr and Tv s (KJf)
26	32 S.	13 E.	4	369	Los Nietos Co. "Beckett" 1	1944	3550	0-3550	Tp
27	32 S.	14 E.	10	1560	Homestake Prod. "Tar Spring" 1	1969	3535	0-2499 2499-3425 3425-3535	Tm To Tr
28	32 S.	14 E.	11	1150	Occidental Petrol. Co. "Glaser" 1	1965	3991	0-3991	Tm?
29	32 S.	14 E.	11	1409	Tex. Harvey Oil Co. "Huasna" 1	1940	4251	0-2921 2921-4251	Tm To
30	32 S.	14 E.	11	1401	Tex. Harvey Oil Co. "Huasna" 2	1941	7238	0-2878 2878-4435 4435-7238	Tm To (fault?) Tm
31	32 S.	14 E.	12	875	Union Oil "Huasna Chandler" 1	1928	5627	0-3680 3680-4835 4835-5539 5539-5627?	Tm To Jsh? (possibly Tm, faulted) KJf or Jo (diabase)
32	31 S.	15 E.	34	1000	N. S. Wilson 1	1929	4391	0-3015 3015-4391	Tm ?
33	32 S.	13 E.	24	525	C. A. Luckey "Quaresma" 1	1963	6011	0-6011	Tm (middle Mio. at bottom)
34	32 S.	13 E.	18	~300	Frank Goldman "Hyla-Sullivan-Willard" 1	1958	1195	60-1195	Tp
35	32 S.	14 E.	14	575	Exxon "Tar Spring" 3	1956	4506	0-? ?-4506	Tsm Tm
36	32 S.	14 E.	14	600	Amerada Hess "Tar Spring Ranch" 2	1945	1709	0-1709	Tsm
37	32 S.	14 E.	25	1000	H. F. Gibson "Tar Spring Ranch" 1	1944	5440	0-? ?-5440	Tsm Tm
38	32 S.	15 E.	18	847	Chevron "Jessup" 1	1955	10139	0-? ?-10139	Tsm Tm?

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
39	32 S.	15 E.	21	834	Chevron "Porter" 1	1956	9690	0-1200 1200-5700 5700 5700-7000 7000-9200 9200-9600 9600-9690	Tsm Tm Fault Tm To Tr (and Tv?) Ks?
40	32 S.	15 E.	22	775	Union Oil "Porter" 1	1936	5010	0-5010	Tm
41	32 S.	15 E.	13	1222	Gulf Oil "Porter" 1	1949	2939	0-535 535-1385 1385-2939	Tm To Tr and Tv?
42	32 S.	15 E.	24	1248	Richard S. Rheem "Richfield-Kerckhoff" 33X-24	1954	5473	0-3700 3700-5160 5160-5460 5460-5473	Tm To (Tps or plus Tr and Tv?) Ks Granodiorite boulder in Ks?
43	32 S.	14 E.	24	859	Superior Oil "Tar Springs Ranch" 1	1940	6500	0-? ?-6500	Tsm Tm
44	32 S.	14 E.	26	1000	Barneburg Oil Co. 1	1925	4500	0-3050 3050-4500	Tsm Tm
45	32 S.	14 E.	26	784	Union Oil Co. "Union-Hancock-Humble-Tar Springs" 1	1955	5527	0-5527	To (rhyolite at 627 feet)
46	32 S.	14 E.	25	1231	N. B. Hunt 1	1953	10010	0-3000 3000 3000-7700 7700-9200 9200-10010	Tsm Fault Tm To Tr
47	32 S.	14 E.	25	1294	Texas Pacific Coal and Oil 1	1928	4450	0-? ?-4450	Tsm Tm
48	32 S.	15 E.	34	800	Union Oil "Rust" 1	1928	4156	0-? ?-4156	Tm Ks
49	32 S.	15 E.	35	950	Danciger Oil & Refin. 1	1947	5626	0-5235 5235-5626	Tm KJk?
50	32 S.	16 E.	31	775	Lloyd Corp. Ltd. 1	1956	4276	0-3520 3520-3815 3815 3815-4145? 4145-4276	Tps Tr (Tv) Fault To Ks
51	32 S.	13 E.	31	25	Madonna Const. Co. "Oceano" 1	1957	6696	0-1749 1749-1920 1920-5578 5578-6696	Tc (Qpr probably present) Tf Tm (Tsq? present) KJf
52	32 S.	14 E.	36	1247	Exxon "Humble Intex-Martin-Wilcox" 1	1956	2289	0-2240 2240-2289	Tm To
53	12 N.	35 W.	34	250	Robert Whiseenant "Julie" 1	1957		0-982	Tm (Qpr present; thickness unknown)
54	12 N.	34 W.	32	700	Union Oil "Phelan" 1	1947	4297	0-2685 2685-4110 4110-4297	To Tr s (KJf)
55	12 N.	33 W.	30	935	Verde Enterprise Opr. for Huasna Co. "Union Dickes" 1	1938	7705	0-? ?-? ?-?	Tsm Tm Tv?

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
56	12 N.	33 W.	30	1702	Aminoil U.S.A. Inc. "Sherer-Dickes" 1	1937	5591	Shale to bottom 1200-2000 5579-5591	<u>Pecten discus</u> Tsm
57	12 N.	33 W.	25	1400	Todd Beck Syn. "Clarion" 1	pre-1909	1868	0-1868	Tm
58	11 N.	35 W.	10	155	Page Pet. "Callendar Mesa" 1	1939	1471	0-1438 1438-1471	Qor, Qpr, and Tf KJf
59	11 N.	35 W.	11	300	Superior Oil Co. "Callendar Land Co." 36	1932	736	0-500 500-708 708-736	Qor Tf KJf
60	11 N.	35 W.	11	250	Superior Oil Co. "Hutchison" 63	1932	1286	0-676 676-743 743-965 965-1277 1277-1286	Qor Qpr Tf Tsq? KJf
61	11 N.	35 W.	11	320	Aviation Oil Co. "Brintnall" 1	1936	1935	?	Miocene?
62	11 N.	33 W.	16	~1250	Getty Oil "Stow" 1	1918	1437	0-1437	Tm (bottomed in s?)
63	11 N.	32 W.	6	721	X. O. Exploration, Inc. "Williams" 1	1973	2362	0-2362	Tm
64	11 N.	32 W.	6	695	Pan Petrol. Co. "James O. Williams" 1	1969	7967	0-4325 4325-7660 7660-7967	Tm Tps (faulted) Tr and Tv
65	11 N.	32 W.	6	732	H. W. Reynolds Jr. "PanPetrol-Williams" 1	1970	3075	0-3075	Tm
66	11 N.	35 W.	18	30	Stansburg Webb "Bosse" 1	1951	2670	0-940 940-1600 1600-1910 1910-2500 2500-2670	Q Tc Tf Tl KJk
67	11 N.	35 W.	15	200	Superior "Core Hole B. C. Beckett" 1	1932	1721	0-811 811-1550 1550-1715 1715-1721	Qor Tf Tsq KJf
68	11 N.	33 W.	22	643	Getty Oil "Rancho Suey" 1	1956	4307	0-3230 3230-3738 3738-4043 4043-4307	To and Tr Tv Ts Ks
69	11 N.	35 W.	19	127	Mobil Oil "La Veaga" 3	1968	2200	0-2173 2173-2200	Quaternary and Tertiary Ks
70	11 N.	35 W.	22	75	Union Oil "Union Sugar" 1	1936	2180	0-907 907-? ?-2085 2085-2180	Qal and ? Tf Tsq KJf
71	11 N.	35 W.	30	83	Mobil Oil "La Veaga" 4	1968	2275	0-350 350-1200 1200-2258 2258-2275	Qor and Qpr Tc Tf KJf
72	10 N.	36 W.	12	75	Continental Oil Co. "LeRoy" A-3	1949	4053	0-? ?-3260 3260-3390 3390-3686 3686-4053	Q Tf Tsq Tm? KJk
73	11 N.	35 W.	33	88	Thornburg Drilling Co. "Union Sugar" 1-75	1953	3259	0-1390	Qor?

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
								1390-2550	Tf
								2550-2713	KJk
74	10 N.	35 W.	35	108	Thornburg Drilling Co. "Union Sugar" 1-152	1952	3722	0-1510	Qor?
								1510-2918	Tf
								2918-3148	Tsq
								3148-3722	KJk
75	10 N.	35 W.	5	100	Union Oil "Union Sugar" 2	1936	3138	0-1203	Qor?
								1203-3125	Tf
								3125-3148	KJk
76	10 N.	36 W.	14	60	Union Oil "LeRoy" A-2	1951	5045	0-650	Qor?
								650-2650	Tf
								2650-3060	Ts
								3060-4975	Tm
								4975-5045	KJk
77	10 N.	36 W.	14	68	Los Nietos Co. "LeRoy" A-1	1951	5295	0-680	Qor?
								680-1160	Tc
								1160-3620	Tf
								3620-4282	Tsq
								4282-5185	Tm (and Tps)
								5185-5295	KJk
78	10 N.	36 W.	22	135	Los Nietos Co. "LeRoy" A-3	1951	6350	0-1190	Tsq
								1190-6085	Tm
								6085-6235	Tps
								6235-6350	KJk
79	10 N.	36 W.	23	332	Union Oil "LeRoy" 72	1964	5487	0-4485	Tsq (probably includes Tf and Tc)
								4485-?	Tm
								?-5487	Ks
80	10 N.	35 W.	7	51	Continental Oil "LeRoy" 1	1972	4800	0-3090	?
								3090-3280	Tf
								3280-3725	Tsq
								3725-3750	Tm
								3750-3917	Tps
								3917-4800	Ks
81	10 N.	35 W.	17	73	Juniper Petrol. Corp. "Juniper" 1-17	1975	4920	0-1090	?
								1090-1835	Tc
								1835-3845	Tf
								3845-4478	Tsq
								4478-4540	Tm
								4540-4650	Tps
								4650-4920	KJf
82	10 N.	35 W.	18	52	Juniper Petrol. Corp. "LeRoy" 2-18	1975	4878	0-830	?
								830-1460	Tc
								1460-3695	Tf
								3695-4495	Tsq
								4495-4678	Tm
								4678-4878	Tps?
83	10 N.	35 W.	18	65	Continental Oil Co. "Argo-Union Sugar" 1	1973	5315	0-1333	Tc (and Q)
								1333-3820	Tf
								3820-4710	Tsq
								4710-5200	Tm
								5200-5315	KJf

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
84	10 N.	35 W.	16	80	Signal Oil Aminoil U.S.A. "Union Sugar" 1	1965	4818		KJk
85	10 N.	35 W.	16	91	Union Oil "Mathison" 1	1942	5522	0-4313 4313-4530 4530-5476 5476-5522	? Ts _q T _m KJf
86	10 N.	35 W.	15	103	Fred E. Cole "Ferini" 1	1939	4753	0-1370 1370-1970 1970-3880 3880-4470 4470-4753	? Qpr Tf Ts _q KJf
87	10 N.	35 W.	9	90	Mobil "Mahoney" 1	1953	4501	0-1890 1890-3645 3645-4105 4105-4501	? Tf Ts _q KJk
88	10 N.	35 W.	12	142	Argo Petrol. "Donovan" 1	1971	5365	0-2050 2050-3590 3590-4280 4280-5365	? Tf Ts _q KJk
89	11 N.	34 W.	31	131	Union Oil Co. "Bogunda" 1	1954	2130	0-1150 1150-1998 1998-2118 2118-2130	T _c Tf Ts _q KJk
90	11 N.	35 W.	36	101	Union Oil "LeRoy" Z-1	1954	2908	0-1560 1560-2650 2650-2895 2895-2908	T _c ? Tf Ts _q KJk
91	11 N.	33 W.	19	700	Union Oil "Vernon Wineman" 1	1947	977	0-690 690-977	To s (KJf)
92	11 N.	33 W.	19	950	Union Oil "Vernon Wineman" 2	1947	3665	0-1943 1943-3614 3614-3665	To Tr KJk (KJf)
93	11 N.	34 W.	31	141	James M. Irish "Bogunda" 1	1951	1350	0-1350	T _c
94	10 N.	35 W.	6	164	Union Oil "Haslam" 1	1954	2839	0-1500 1500-2607 2607-2830 2830-2839	T _c ? Tf Ts _q KJk
95	10 N.	35 W.	11	150	Argo Petrol. "A. Mendosa" 1	1973	3812	0-1850 1850-2650 2650-3800 3800-3812	Qpr and T _c Tf Ts _q ? Upper Jurassic?
96	10 N.	34 W.	7	160	Union Oil "Donovan" 1	1954	4175	0-1800 1800-3300 3300-3702? 3702-3834 3834-4146 4146-4175	T _c ? Tf Ts _q T _m T _{ps} KJk
97	10 N.	34 W.	18	153	Cohn & Mitchell "Giaconini" 1	1937	4264	0-1195 1195-1605 1605-3700 3700-4195 4195-4264	? Qpr Tf Ts _q KJk
98	10 N.	34 W.	17	177	Sunray Dx. Oil Co. "Diani" 1	1945	5002	0-1510	Qpr

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
								1510-1850	Tc
								1850-3330	Tf
								3330-3780	Tsq
								3780-5002	KJk
99	10 N.	34 W.	17	199	Mobil Oil "LeRoy" 1	1945	5223	0-760	Qpr
								760-1335	Tc
								1335-3085	Tf
								3085-3465	Tsq
								3465-5223	KJk
100	10 N.	34 W.	16	209	Gunnar Erickson "Dart" 1	1937	3228	0-1030	?
								1030-1440	Qpr
								1440-2840	Tf
								2840-3160	Tsq
								3160-3228	KJf
101	10 N.	34 W.	13	247	R. R. Rush Oil "Hancock-Bush Enos" 1	1936	2004	0-450	Q
								450-915	Qpr
								915-1675	Tf
								1675-1860	Tsq
								1860-1894	Tm or Tps
								1894-2004	KJf
102	10 N.	34 W.	13	253	Southwestern Devt. Co. "Mendoza" 1	1941	1683	0-1560	?
								1560-1663	Tps
								1663-1683	KJf
103	10 N.	33 W.	18	250	Valley Oil Co. "Rice" 1	1936	634	0-578	?
								578-634	"Granite" (KJf?)
104	10 N.	33 W.	19	280	Homestake Triguerio 821-19	1965	1026		KJk
105	10 N.	35 W.	20	230	Wildcat Oil & Royalty Co. "Donovan" 1	1929	5460	0-1300	Q
								1300-1900	Tc
								1900-5000	Tf
								5000-5460	Tsq
106	10 N.	35 W.	29	491	McCulloch Oil & Gas Co. "Tognazzini" 1	1970	6200	0-1170	?
								1170-2300	Tc
								2300-5240	Tf
								5240-6200	Tsq
107	10 N.	35 W.	25	170	E. H. Moore, Inc. "Union Sugar" 1	1936	8135	0-1502	Q
								1502-1744	Qpr
								1744-5365	Tf
								5365-7674	Tsq
								7674-8135	Tm?
108	10 N.	34 W.	30	152	E. H. Moore, Inc. "Union Sugar" 5	1938	6343	0-1625	Q
								1625-4275	Tf
								4275-6112	Tsq
								6112-6343	Tm
109	10 N.	34 W.	34	239	Los Nietos Co. "Madden" 2234	1954	6798	0-1785	Q
								1785-2630	Tc
								2630-4562	Tf
								4562-6067	Tsq
								6067-6705	Tm
								6705-6785	Tps
								6785-6798	KJf
110	10 N.	34 W.	35	285	Reserve Oil Co. "Thomas B. Adam" 1	1946	6816	0-4450	?
								4450-5973	Tsq

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
111	10 N.	34 W.	36	430	Cecil O. Basenberg "Bradley" 88-36	1968	8017	5973-6800	Tm
								6800-6816	Tps
								0-4416	Tc and Tf?
								4416-5280	Tsq
								5280-5598	Tm
112	10 N.	33 W.	29	320	Union Oil "Cox" 1	1943	2400	5598-?	Tps
								?-8017	?
								0-2034	Q
								2034-2260	Tsq
								2260-2400	KJk
113	10 N.	33 W.	32	400	Amerada Hess "Boyd" 53-32	1947	3606	0-1530	Q
								1530-3043	Tf
								3043-3570	Tm (Tsq)
								3570-3606	KJf
								0-3040	?
114	10 N.	33 W.	32	410	Mobil Oil "Bradley Lands" 88-32	1952	4735	3040-3700	Tm
								3700-4719	Tps
								4719-4735	KJf
								0-620	Q
								620-760	Qpr
115	10 N.	33 W.	28	314	Valco Oil Co. Ltd. "Valco" 1	1938	1652	760-1075	Tf (Tc)
								1075-1091	Ts
								1091-1117	Tm
								1117-1582	Tps
								1582-1652	KJk
116	10 N.	33 W.	28	324	O. C. Field "Boyd Ranch" 1	1935	3475	0-200	Qal
								200-485	Qor
								485-750	Qpr
								750-900	Tf
								900-1865	Tsq
117	10 N.	33 W.	28	349	Continental Oil "Davis" 1	1943	2779	1865-2860	Tm
								2860-3121	Tps
								3121-3475	KJk
								0-50	Qal
								50-925	Qor
118	10 N.	33 W.	33	410	Roy Lee "Title Guarantee and Trust" 1	1941	3503	925-1025	Qpr
								1025-1561	Tc (includes Tf)
								1561-1642	Ts
								1642-2560	Tm (includes Tps)
								2560-2779	KJk
119	10 N.	33 W.	28	322	Superior Oil "Core Hole Joe Soares" 1	1932	815	0-1170	Qal (Qor)
								1170-1330	Qpr
								1330-2170	Tf (Tc)
								2170-2430	Tsq
								2430-3310	Tm
								3310-3503	Tps
								0-108	Qal
								108-354	Qor
								354-516	Qpr
								516-575	Tc
								575-645	Tf
								645-668	Tsq
								668-815	Tm (Mohnian)

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
120	10 N.	33 W.	27		Superior Oil "Core Hole Kelley" 1	1932	684		
121	10 N.	33 W.	27	330	Superior Oil "Core Hole Sadie Kelley" 2	1932	960	0-40 40-501 501-898 898-913 913-960	Qal Qpr Tf (Tc) Tsq Tm
122	10 N.	33 W.	34	350	Bradley Canyon Oil Co. 1	1912	1573		
123	10 N.	33 W.	34		Chevron "Buttles Fee" 1	1965	2650		
124	10 N.	33 W.	26	346	Superior Oil "Core Hole W. C. Adam" 1	1932	296	0-70 70-114 114-197 197-207 207-296	Qal Qpr Tf (Tc) Tsq Tm
125	10 N.	33 W.	26	350	Superior Oil "Newhall Land and Farming" 2	1932	428	0-52 52-137 137-145 145-331 331-376 376-428	Qal Qpr Tc Tf (Tc) Tsq Tm
126	10 N.	33 W.	35	354	Superior Oil "Newhall Land and Farming" 1	1932	763	0-93 93-384 384-539 539-672 672-763	Qal Qpr Tf (Tc) Tsq Tm
127	10 N.	33 W.	35	359	Union Oil "Newhall Land and Farming" 1-35	1949	3228	0-500 500-2880 2880-3228	? Tm Tps
128	10 N.	33 W.	35	363	Superior Oil "Core Hole Fugler" 1	1932	336	0-30 30-171 171-215 215-336	Qal Tc (Tf) Tsq Tm
129	10 N.	33 W.	35	400	St. Helens Petrol. "Fugler" 1	1913	5312	0-400 400-505 505-1043 1043-1650 1650-3950 3950-5312	Qal, Qor Qpr Tf (Tc) Tsq Tm Tps?
130	10 N.	33 W.	35	414	Union Oil "Union Fugler" A1	1948	4550	0-640 640-1020 1020-1140 1140-4100 4100-4550	Qal-Qor Qpr Tf (Tc) Tm Tps
131	10 N.	33 W.	35	375 or 386	Superior Oil "Fugler" 2	1932	473	0-35 35-205 205-340 340-473	Qal Qpr Tc (Tf) Tsq
132	10 N.	33 W.	35	357	Superior Oil "Fugler" 3	1932	498	0-33 33-70 70-151	Qal Qpr? Tc (Tf)

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
133	10 N.	33 W.	36	359	Superior Oil "T. B. Adam" 1	1932	533	151-326	Tsq
								326-498	Tm
								0-65	Qal
								65-107	Qpr
								107-133	Tc
134	10 N.	33 W.	19	265	Superior Oil "Edna Bradley" 1	1932	2020	133-287	Tsq
								287-533	Tps (Tm)
								0-158	Qal
								159-410	Qor
								410-841	Qpr
								841-1277	Tc (Tf)
								1277-1485	Sandstone (Tsq)
135	10 N.	33 W.	20	295	Superior Oil "John Silva" 1	1932	922	1485-1625	Tsq
								1625-1735	Tm
								1735-2020	Tps
								0-95	Qal
								95-275	Qor
136	10 N.	33 W.	17	290	Superior Oil "Frank Garcia" 1	1932	610	275-664	Qpr
								664-780	Tc (Tf)
								780-899	Tsq
								899-922	KJf (s)
								0-94	Qal
137	10 N.	35 W.	31	1129	San Roque Oil "Dolcini" 4	1965	2885	94-250	Qor
								250-437	Qpr
138	10 N.	35 W.	32	1586	San Roque Oil "Dolcini" 1	1953	2992	437-581	Tc (Tf)
								581-610	KJf (graywacke, shale)
139	10 N.	35 W.	33	1297	San Roque Oil "Dolcini" 2	1953	2153	KJf	
								0-1745	Tm
								1745-2300	Tps
								2300-2640	TI
140	10 N.	35 W.	33	1301	Tejos Prod. "Dolcini" 22-4	1972	2025	2640-2992	Ks
								0-730	Tps
								730-830	TI
141	10 N.	35 W.	33	1100	Mobil "Guadalupe" 1	1925	2705	830-2153	Ks
								0-575	Tps
								575-765	TI
142	10 N.	35 W.	33	1004	Union Oil "Pezzoni" 1	1940	2242	765-2025	KJf
								0-350	?
								350-2663	TI?
143	10 N.	35 W.	33	839	Union Oil "Pezzoni" 2	1940	7977	2663-2705	KJf
								0-60	Tm Fault Tsq
								60-495	?
144	10 N.	35 W.	36	179	Shell Oil "Union Sugar" A-2	1929	2181	495-882	Tsq Fault TI
								882-2045	Ks
								2045-2242	KJf
								0-1575	Tsq
								1575-2302	Tm
								2302-2426	Tsq Fault
								2426-5963	Tf
								5963-7977	Tsq?
								0-1615	?
								1615-1875	Qpr
								1875-2008	Tf
								2008-2075	Tsq

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
145	9 N.	35 W.	4	1225	Golden Bear Oil Co. "Moretti" 4-1	1955	3070	2075-2181 0-90 90-505 505-1380 1380-2700 2700-? ?-3070	Tm ? Tm Tps TI "Tuff" ?
146	9 N.	35 W.	10	584	Mobil Oil "Goodwin" 1	1946	4673	0-430 430-1515 1515-2200 2200-? ?-4673	Tsq Tm Tps TI KJk
147	9 N.	35 W.	12	566	Texaco Inc. "Texas-Union Curletti" 1	1958	11434	0-2555 2555-6690 6690 6690-?	Tsq Tm Fault Tsq
148	9 N.	34 W.	11	325	Los Nietos Co. "Los Nietos - Gulf S.S.T." 25-11	1952	9437	0-4950 4950-7730 7730-9360 9360-9437	? Tsq Tm (Tps) KJk
149	9 N.	33 W.	8	783	Union Oil "Gilliland" 38-8	1957	10055	0-3015 3015-4605 4605-7355 7355-8870 8870-9855 9855-9955 9955-10055	? Tf Tsq Tm Tps TI KJk
150	10 N.	33 W.	36	380	Superior "Santa Barbara Water Co." 1	1932	830	0-96 96-291 291-830	Qal Qor Qpr
151	10 N.	33 W.	36	385	Texaco Inc. "Adam" 1	1974	4240	0-826 826-1198 1198-4150 4150-4240	? Tsq Tm Tps
152	9 N.	33 W.	1	375	Superior Oil "Diaz" 1	1932	675	0-93 93-460 460-660 660-675	Qal Qor and Qpr Tc Tsq
153	10 N.	32 W.	5	1398	British Amer. "British Amer. Honolulu-Rancho Suey" 1	1951	4070	0-670 670-? ?-4070	Tm Tps ?
154	10 N.	32 W.	10	1300	Navy Oil Co. "Rancho Suey 37-10" 1	1949	2133	0-1950 1950-2133	Tm (Tps) KJf
155	10 N.	32 S.	21	1946	Getty "Rancho Suey Core Hole" 1	1950	5022	0-3150 3150-4530 4530-5022	Tm Tps KJf
156	10 N.	32 W.	27	858	C. W. Colgrove "Fleisher" 85-27	1958	5781	0-1970 1970-5400 5400-5781	Tm Tps (and To) KJf
157	9 N.	33 W.	3	470	Texaco Inc. "Fugler" 1	1974	5050	0-1894 1894-2293	? Tsq

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
158	9 N.	33 W.	1	380	Texaco Inc. "Diaz" 1	1961	2368	2293-5050 0-319	Tm ?
								319-839	Tf
								839-999	Tsq
159	9 N.	33 W.	1	423	Texaco Inc. "Rice Estate" 1	1967	5177	999-2368 0-730	Tm (Mohnian) Qal and Qpr
								730-872	Tc
								872-1165	Tf
								1165-2800	Tsq
								2800-5065	Tm
								5065-5177	Tps
160	9 N.	32 W.	6	456	Texaco Inc. "Rice Estate" 2	1966		0-850	Tc
								850-1030	Tf
								1030-3290	Tsq
								3290-	Tm
161	9 N.	33 W.	2	568	Mobil Oil "Realty" 48-2	1956	4788	0-1450	?
								1450-2010	Tf
								2010-2314	Tsq
								2314-4000	Tm
								4000-4610	Tps
								4610-4788	KJk
162	9 N.	32 W.	5	650	Texaco Inc. "Miller" 1	1972	5078	0-650	?
								650-1082	Tm
								1082-1278	Tps
								1278-1740	To
								1740-1830	Tr (Tv)
								1830-4552	Tsl/Ks
								4552-5087	KJf
163	9 N.	32 W.	7	410	Texaco Inc. "Santa Clara" 1	1965	3213	0-1170	?
								1170-3213	Tsq
164	9 N.	32 W.	6	500	J. I. Anderson "Elliott" 1	1954	2455	0-300?	Qt and Qpr
								300-1500	?
								1500-1958	Tm
								1958-2269	Tps
								2269-2333	To
								2333-2351	To (basalt)
								2351-2455	KJk
165	9 N.	32 W.	6	450	Texaco Inc. "La Brea" 1	1966	4519	0-?	Qt
								?-320	Qpr (and Tc)
								320-680	Tm (27° dip)
								680-1180	Tps
								1180-3734	To (30° dip)
								3734-4519	KJf
166	9 N.	32 W.	6	460	Texaco Inc. "Wineman C. H." 1	1966	3692	0-603	Qt and Qpr
								603-1795	Tsq
								1795-3692	Tm (Tps?)
167	9 N.	32 W.	9	570	Texaco Inc. "Sorenson" 1	1967	3004	0-300	Qal, Qt, and Qpr
								300-2555	Tm
								2555-2930	To
								2930-2963	Tr
								2963-3004	KJf?
168	9 N.	32 W.	12		Texaco Inc. "Goulart" 1	1965	2388	0-1498	Qpr and Tc
								1498-2180	Tsq

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
169	9 N.	32 W.	12	411	Texaco "Tognazzini" 1	1965	2540	2180-2388 0-1700	Tm ?
								1700-2376	Tsq
								2376-2540	Tm
170	9 N.	33 W.	5	489	Texaco Inc. "Bradley Lands" 1	1970	6110	0-1781	?
								1781-3500	Tf
								3500-4680	Tsq
								4680-6022	Tps
								6022-6110	KJf
171	9 N.	32 W.	3	742	Carter, Evans & Assoc. "Rancho Viejo" 2	1949	2058	0-70	Tm
								70-250	Tps
								250-2058	KJk
172	9 N.	33 W.	13	773	Chevron Oil "Standard" 1	1926	4752	0-315	?
								315-885	Qpr
								885-1398	Tf
								1398-3845	Tm
								3845-4752	Tps
173	9 N.	33 W.	14	680	Mobil Oil "Dominion" 41-14	1947	5071	0-1060	?
								1060-2285	Tf
								2285-3445	Tsq
								3445-4810	Tm
								4810-5071	Tps
174	9 N.	33 W.	13	666	Mobil "Neotsu" 11-13	1956	4075	0-2010	?
								2010-3056	Tsq
								3056-3810	Tm
								3810-4075	Tps
175	9 N.	32 W.	18		Texaco Inc. "Williams Holding C. H." 1	1965	3672		
176	9 N.	32 W.	18		Texaco Inc. "Williams Holding C. H." 2	1966	3700		
177	9 N.	32 W.	18		Texaco Inc. "Williams Holding C. H." 3	1966	3563		
178	9 N.	32 W.	17	455	Texaco Inc. "Skou C. H." 1	1966	4632	0-460	Qal and Qor
								460-720	Qpr
								720-1010	Tc
								1010-2840	Tf
								2840-3800	Tsq
								3800-4123	Tm
								4123-4632	Tps
179	9 N.	32 W.	21	560	Texaco Inc. "Wickenden" 1	1967	3195	0-1755	Qpr, Tc, and Tf
								1755-2975	Tsq
								2975-3195	Tm (Mohnian)
								3054, 3070, and 3190	Tuff beds
180	9 N.	32 W.	21	770	Union Oil "Hansen" 1	1961	8168	0-516	Qal and Qpr
								516-725	Tf (Tc)
								725-1360	Tsq
								1360-3265	Tm
								3265-8168	To
181	9 N.	32 W.	29	742.5	Union "Palmer-Stendel" A-1	1943-1944	4071	0-390	Qpr
								390-500	Tc
								500-885	Tf
								885-1465	Tsq
								1465-4071	Tm
182	9 N.	32 W.	22	550	Union Oil "Sisquoc" 3	1943	2640	0-400	Qal, Qor, and Qpr
								400-1244	Tc

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
								1244-1650	Tsq
								1650-2640	Tm?
183	9 N.	32 W.	28	805	Union Oil "Wickenden" 1	1947	6508	0-1450	Tsq?
								1450-6508	Tm (Mohnian)
184	8 N.	33 W.	10	617	Atlantic-Richfield "Los Flores" 1	1944	7267	0-1935	?
								1935-5630	Ts
								5630-7098	Tm
								7098-7267	Tps
185	8 N.	33 W.	14	800	Amerada Hess "Tognazzi" 1	1948	8618	0-3400	?
								3400-7506	Tsq
								7506-8410	Tm
								8410-8618	KJk
186	8 N.	32 W.	17	965	Bel Air Oil "Price 2"	1945	6583	0-1085	?
								1085-4182	Tsq
								4182-6315	Tm
								6315-6583	KJk
187	8 N.	32 W.	16	1253	Juniper Petrol. "Brady-Price Estate" 32X-16	1976	4600	0-572	?
								572-970	Tf
								970-3420	Tsq
								3420-4600	Tm
188	9 N.	31 W.	5	1151	Getty Oil "Honolulu-Sunray-Sisquoc" 1	1952	4616	0-3058	Tm
								3058-3648	Tps
								3648-3992	KJk, Fault
								3992-4510	Tps
								4510-4616	KJk
189	9 N.	31 W.	18	650	Union Oil "Sisquoc" 5	1943	1928	0-50	?
								50-1884	Tm?
								1884-1928	KJk
190	9 N.	31 W.	19	630	Sunray DX Oil "Sisquoc Ranch" 1	1957	4824	0-30	Qt and Qal
								30-60	Qt
								60-1050	Tsq (Tinaquaic Member)
								1050-4824	Tm
191	9 N.	31 W.	28	1250	Union Oil "Sisquoc" 2	1943	3121	0-2195	Tsq (Tinaquaic Member)
								2195-3121	Tm
192	9 N.	31 W.	30	1200	Union Oil "Sisquoc" 1	1943	2805	0-2713	Tsq (Tinaquaic Member)
								2713-2805	Tm
193	9 N.	32 W.	35	871	Royalty Serv. "Sisquoc" 1	1934	4500	0-4500	Tm
								4500-	Tps
194	9 N.	32 W.	36	929	Atlantic-Richfield "Tinaquaic" 1	1938	5541	0-5541	Tm and Tps
195	9 N.	32 W.	36	887	Getty Oil "Tinaquaic" 1	1950	4958	0-4547	Tm
								4547-4958	Tps
196	8 N.	32 W.	11	950	Getty Oil "Pezzone" 1	1904	2200	0-1115	Qal, Qor, and Qpr
								1115-1715	Tm
								1715?-2200	"Diabase"
197	8 N.	32 W.	13	900	Mobil Oil "Giorgi" 1	1942	1254	0-975	Tsq
								975-1254	KJk
198	8 N.	32 W.	13	830	Mobil Oil "Wickenden" 1	1942	2905	0-150	Tf
								150-2542	Tsq
								2542-2610	Tm
								2610-2905	KJf (s)
199	8 N.	32 W.	13	900	Princess Oil Co. "Muscio" 1	pre-1912	3425	0-1300	?
								1300-2100	Tm
								2100-2500	Tps

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
200	8 N.	32 W.	21	934	Getty Oil "Price" 1	1951	6303	2500-3425 0-560 560-1083 1083-3919 3919-5123 5123-6183 6183-6303	KJk ? Tf Tsqr Tm Tps KJk
201	8 N.	32 W.	22	900	Merchants Pet. "Price Ranch" 1	1957	6001	0-445 445-915 915-1363 1363-4340 4340-6001	Qpr Tc Tf Tsqr Tm (and Tps)
202	8 N.	32 W.	24	792	Mobil Oil "Wickenden" 2	1943	4312	0-1100 1100-3378 3378-4258 4258-4312	? Tsqr Tm Diabase
203	8 N.	32 W.	34	675	Hamilton Dome Oil "Conflaglia Lease" 1	1957	6130	0-3390 3390-5480 5480-6130	Qpr and ? Tf Tsqr
204	8 N.	31 W.	15	1275	Union Oil "Luton" 1	1945	2951	0-900 900-1360 1360-1445 1445-2650 2650-2951	Qal and Qpr Tc Tf Tsqr KJk
205	8 N.	31 W.	28	1140	Chevron "Fithian" 1	1917	4602	0-600 600-2115 2115-4602	Tf Tsqr Tm
206	8 N.	31 W.	10	1480	Shell Oil "Zaca" 2	1965	788	0-210 210-700 700-788	Qpr Tc KJk? (KJf, shale, and volcanic debris)
207	8 N.	33 W.	36	760	Pauley Petrol. "Alamo" 1	1967	12169	0-12169	Tsq (Miocene to 3986)
208	7 N.	36 W.	36	200	Keystone Petrol. Corp. "Mary A-True" 1	~1929	3002	0-178 178-243 243-1010 1010-2910 2910-3002	Q Qor? Tsqr Tm s (KJf)
209	7 N.	35 W.	1	240	Anglo Calif. 1	pre-1909	3490	0-850 850-1300 1300-3490	Tm Tl KJf
210	7 N.	35 W.	2	400	Anglo Calif. "Syndicate" 2	pre-1909	2100	0-1080 1080-2100	Tm? KJf
211	7 N.	35 W.	4	240	Chevron "Packard-Shyvers" 1	1928	2661	0-147 147-1481 1481-2336 2336-2471 2471-2661	? Tm Tps Ttr KJf (gray sandstone)
212	7 N.	35 W.	6	30	Murphy Bros. "Sinclair" 74-6	1953	1821	0-40 40-831 831-1821	? Tm KJf or KJk
213	7 N.	35 W.	11	350	W. F. Parker "Packard" 1	1953	1773	0-200 200-1485	Qal and Qpr Tm

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
								1485-1709	Tps
								1709-1773	Ttr
214	7 N.	35 W.	11	350	W. H. Taylor "Packard" 1	1930	5587	0-771	Tsq
								771-1669	Tm
								1669-1871	Tps
								1871-1999	TI
								1999-2192	TI (tuff)
								2192-2545	TI
								2545-2772	Ks?
								2772-5587	Jsh
215	7 N.	35 W.	20	225	Gaviota Oil Co. of Delaware 1	pre-1929	2662	0-150	?
								150-?	Tm
								?-2662	KJf
216	7 N.	35 W.	33	480	Tesoro Petrol. Co. (Intex) "La Lagomarsino" 1	1954	2799	0-590	?
								590-1011	Tc
								1011-2350	Tsq
								2350-2799	Tm
217	7 N.	34 W.	18	136	H. B. Martin "Beuterbaugh" 3	1950	1669	0-810	?
								810-1550	Tm
								1550-1590	Tps
								1590-1669	TI
218	7 N.	34 W.	17		Lompoc Petrol. Co. "Beuterbaugh" 1	1932	1694		Tm
									TI
219	7 N.	34 W.	17		Lompoc Petrol. Co. "Beuterbaugh" 2	1932	4061		Tm
									Ttr?
									KJf
220	7 N.	34 W.	21	64	Texaco Inc. "Lompoc Community Seven" 1	1955	2722	0-700	?
								700-1440	Tsq
								1440-2190	Tm
								2190-2240	Tps
								2240-2722	TI
221	7 N.	34 W.	26	89	Texaco Inc. "Irma Wilson" 1	1954	4509	0-950	?
								950-1420	Tf
								1420-2370	Tsq
								2370-3565	Tm
								3565-4050	Tps
								4050-4509	KJf (graywacke)
222	7 N.	33 W.	1	1204	McCulloch Oil Corp. "Ferrero et al." 2-1	1972	10076	0-9265	Tsq
								9265-10076	Tm
223	7 N.	33 W.	9	910	Lipkin & Devine "Norris" 1	1957	4527	0-1134	?
								1134-3773	Tsq
								3773-4472	Tm
								4472-4527	Tps?
224	7 N.	33 W.	11	1109	O. C. Field Gas Corp. "Santa Rita" 1	1935	3353	0-1465	?
								1465-2000	Tsq
								2000-3353	Tm
225	7 N.	33 W.	11	1300	Union Oil "Crandall-Govt." 1	1948	4931	0-3075	Tsq
								3075-4931	Tm
226	7 N.	33 W.	18	302	Union Oil "Martin" 1	1953	5292	0-2925	Q
								2925-4520	Tsq
								4520-5292	Tm

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
227	7 N.	33 W.	28	414	Union Oil "Bonestell" 1	1966	6826	0-5543 5543-? ?-6826	Qor, Qpr, Tc, Tf, and Tsq Tm KJk
228	7 N.	32 W.	3	1275	J. I. Anderson & So. Calif. Petrol. Corp. "Archambault" 1	1944	4759	0-4010 4010-4254 4254-4759	Tsq Tm Fault Tsq
229	7 N.	32 W.	8	1530	Getty Oil "Archambault" 1	1949	3948	0-400 400-3642 3642-3948	Tsq Tm KJf
230	7 N.	32 W.	22	1250	Chevron "Buell" 1-C	1922	4579	0-917 917-4456 4456-4579	? Tm Tl
231	7 N.	32 W.	24	1335	Texaco Inc. "G. Buell" 4	1949	2975	0-2300 2300-2715 2715-2975	Tm Tps KJk
232	7 N.	32 W.	25	750	Paul C. Teas "G. Buell" 1	1955	5100	0-5075 5075-5100	Tm KJk
233	7 N.	31 W.	2	1059	Getty Oil "Carranza" 54	1954	4813	0-1400 1400-1540 1540-2520 2520-4813	? Tf Tsq Tm
234	7 N.	31 W.	12	1180	Mobil Oil "Chamberlin" 1	1939	4310	0-970 970-1900 1900-2060 2060-2748 2748-4100 4100-4310	Qpr Tc Tf Tsq Tm KJk
235	7 N.	31 W.	19	739	Texaco Inc. "Caldac" 1	1953	2994	0-2350 2350-? ?-2994	Tm Tps KJk
236	7 N.	31 W.	19	993	Union Oil "Linus Buell" 1	1929	4509	0-275 275-2841 2841-3385 3385-4509	Tsq Tm Tps KJk
237	7 N.	31 W.	24	965	Getty Oil "Honolulu-Stimmel Joughin-Dabney" 1	1958	5465	0-1773 1773-2720 2720-2884 2884-3467 3467-5267 5267-5400 5400-5465	Qpr Tc Tf Tsq Tm Tps KJk
238	7 N.	31 W.	30	732	San Roque Oil "Weber" 1	1962	6527	0-2940 2940-? ?-6527	Includes Tm Tl KJk
238	8 N.	33 W.	21	420	Empire State Oil (Teal Petrol. Co.) "Careaga" 1	9641		0-3140 3140-3175 3175-7960 7960-9641	Qal and Tc Tf Tsq Tm
240	7 N.	31 W.	27	890	Texaco Inc. "Buellton Fee CH" 1	1971	4500	0-1350	?

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
								1350-1485	Tf
								1485-2590	Tsq
								2590-4500	Tm
241	9 N.	35 W.	34	421	Union Oil "Jesus Maria" 2	1948	1664	0-1550	Tm
								1550-?	Tuff (TI)
								?-1664	KJf
242	9 N.	34 W.	34	484	Union Oil "Escolle" A-13	1954	6095	0-3420	?
								3420-4450	Tm
								4450-5940	Tsp
								5940-6095	TI
243	8 N.	34 W.	2	486	Occidental Petrol. Corp. "Sharkey-Field" 1	1968	6760		
244	8 N.	34 W.	12	475	Union Oil "Harris" A-2	1951	9515	0-790	Qpr
								790-1716	Tc
								1716-3945	Tf
								3945-7955	Tsq
								7955-9515	Tm
245	8 N.	34 W.	30	480	Union Oil "Burton" 1	1905	4455	0-125	?
								125-2195 ?	Tsq
								2195-3645	Tm
								3645-4127	TI
								4127-4455	KJf
246	8 N.	33 W.	31	1050	O. C. Field Gas Corp. "Careaga" 1	1941	4986	0-1435	Tf
								1435-1941	Tsq
								1941-4986	Tm
247	8 N.	33 W.	31	1085	Mobil Oil "Los Alamos" 3	1945	6287	0-800	Tc
								800-1300	Tf
								1300-?	Tsq
								?-?	Tm?
248	8 N.	30 W.	26	2884	Getty Oil "Mills" 1	1951	4845	0-2580	Tm
								2580-4660	Tt and Ttv
								4660-4830	KJe
								4830-4845	Jo?
249	8 N.	29 W.	19	3110	Getty Oil "Efromson" 1	1952	2100	0-1442	Tt and Ttv
								1442-2100	KJe
250	7 N.	30 W.	6	1420	Mobil Oil "La Laguna" 1	1938	3834	0-1715	Qpr
								1715-3182	Tc and/or Tf
								3182-3567	Tsq
								3567-3834	Tm
251	7 N.	30 W.	7	1439	Hub Oil Co. "La Laguna" 1	1943	5855	0-1610	Qpr
								1610-2500	Tc
								2500-2635	Tf
								2635-3390	Tsq
								3390-5160	Tm
								5160-5510	Tps
								5510-5855	KJe
252	7 N.	30 W.	1193		Union Oil "Dabney" 1	1949	3358	0-1830	Qpr
								1830-2000	Tc
								2000-2360	Tf
								2360-2450	Tsq
								2450-3140	Tm
								3140-3280	Tps
								3280-3358	KJk

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
253	7 N.	30 W.	10	1300	Nine Springs Oil Co. "Bradley" 1	1930 or 1939?	3271	0-875	Qpr
								875-2030	Tc
								2030-2210	Tsq
								2210-3271	KJe
254	7 N.	30 W.	15	1144	Laguna Oil Co. "Laguna" 1	1951	3490	0-1935	Qpr
								1935-2480	Tc
								2480-2835?	Tf
								2835?-3005	Tsq
								3005-3490	KJk
255	7 N.	30 W.	15	1100	United Western Oil Co. "Bradley" 1	1937	4403	0-1323	Tc (Qpr also probably present)
								1323-2579	Tf (Tc)
								2579-2742	Tsq
								2742-4100	KJk
								Fault	
256	7 N.	30 W.	18	1197	Laguna Consolidated Oil Co. "Dabney" 1	1952	4432	4100-4403	"Lower Tm"?
								0-1340	Qpr
								1340-2200	Tc
								2200-2350	Tf
								2350-3800	Tsq
								3800-4300	Tm
								4300-4432	KJk
257	7 N.	30 W.	19	920	Shell Oil "Huston" 1	1952	5587	0-1735	Qpr
								1735-2612	Tc
								2612-2790	Tf
								2790-3490	Tsq
								3490-5544	Tm
								5544-5587	KJk
258	7 N.	30 W.	19	1065	Getty Oil "Kangera-Huston" 1	1957	6032	0-2003	Qpr
								2003-2949	Tc
								2949-3094	Tf
								3094-3564	Tsq
								3564-6013	Tm
								6013-6032	KJk
259	7 N.	30 W.	23	898	Shell Oil "Orton" 1	1951	4150	0-1830	?
								1830-1980	Tsq
								1980-3500	Tm
								3500-4150	KJk
260	7 N.	30 W.	27	854	Getty Oil "Orton" 2	1951	5900	0-1650	Qpr
								1650-2900	Tc
								2900-3100	Tf
								3100-3383	Tsq
								3383-5595	Tm
								5595-5900	KJk and KJf
261	7 N.	30 W.	28	936	Amerada Hess Corp. "Stallings" 1	1957	5950	0-2100	Qpr
								2100-2950	Tc
								2950-3090	Tf
								3090-3496	Tsq
								3496-5810	Tm
								5810-5950	KJk
262	7 N.	29 W.	33	1475	Texaco Inc. "Fulwider" 1	1951	3486	0-1340	Qpr and Tc
								1340-1680	Tsq
								1680-2840	Tm
								2840-2950	Tps?

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
263	6 N.	36 W.	24	490	Amerada Hess Corp. "Sudden" 1	1953	1884	2950-3486 0-100 100-300 300-1000 1000-1884	s ? Tm Ttr KJk
264	6 N.	35 W.	4	631	Texaco Inc. "Intex-Lagomarsino" 1	1955	4696	0-1540 1540-3695 3695-4319 4319-4455 4455-4696	Qor and Tsq Tm Ttr ? KJf (graywacke)
265	6 N.	35 W.	8	600	Top Row Oil Co. "Spanne" 1	1936	1302	0-1302	Tm
266	6 N.	35 W.	9	660	Anza Pacific Corp. "Spanne" 1	1955	6241	0-3990 3990-4025 4025-? 6234-6241	Tm Ttr (tuff) Tuff? Bentonite, andesite
267	6 N.	35 W.	16	483	Stausburg-Webb and G. Greer "Spanne" 1	1954	5558	0-250 250-1940 Honda fault 1940-5380 5380-5558	? Tan Tm Ttr
268	6 N.	34 W.	2	664	Marathon Oil Co. "Salsipuedes" 1	1929	4656	0-630 630-767 767-1005 1005-1087 1087-1480 1480-3992 3992-4656	Tm Tps Ttr Tr and Tv Tsl Tsl or KJe KJe
269	6 N.	34 W.	3	640	Rothschild Oil Co. "Sacramento J. M." 1	1962	1749	0-770 770-1200 Fault 1200-1700 1700-1749	? upper Tm Tsq Tm
270	6 N.	34 W.	10	603	Rothschild Oil Co. "Sacramento J. M." 2	1962	4151	180-2652 2652-2810 2810-3080 3080-3840 3840-4000 4000-4151	Tm Tps Ttr Tr Tv Tsl or KJe
271	6 N.	34 W.	11		Mobil Oil "Hollister" 11-1	1962	2601	0-1500 1500-2480 2480-2560 2560-2601	Tm Tr Tv Ts
272	6 N.	34 W.	19	500	Chiefton Oil Co. "Chiefton-Larson- Buos" 1	1954	3412	0-745? 745-990 990-3050 3050-3412	Tcd Tma Tan KJf
273	6 N.	33 W.	3	418	Getty Oil "Leonsis" 1	1937	4949	0-600 600-1490 1490-3300	Tm Ttr Tr

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth (feet)	Top of Unit (feet)	Unit
								3300-4392	Tv
								4392-4930	Ts
								4930-4949	Tsl
274	6 N.	33 W.	8	550	Sunray Dx Oil Co. "Salsipuedes" 1	1947	1636	0-420?	Tm
								420?-1134	Tr
								1134-1550	Tv and Tsl
								1550-1636	KJe
275	6 N.	33 W.	12	349	Getty Oil "Sousa" 1	1940	3521	0-460	Ttr
								460-3190	Tr
								3190-3521	Tv
276	6 N.	32 W.	4	370	Atlantic Richfield "Skytt" 1	1945	6007	0-880	Qpr, Tc, and Tsq
								880-5450	Tm
								5450-5717	Tps(?)
								5717-6007	KJk
277	6 N.	32 W.	17	550	Morgan Brown Oil Corp. "Laranjo" 1	1959	3005	0-1700	Tr, Tv, and Tsl?
								1700-3005	Tsl and KJe
278	6 N.	31 W.	5	800	Frank Buttram "Rueben" 1	1927	2380	0-389	Tm (upper)
								389-1400	Tm
								1400-2380	KJf (s)
279	6 N.	31 W.	9	1075	Santa Barbara Calif. Oil Co. 3	pre-1912	3613	0-800	Tc
								800-1513	Tsq
								1513-3613	Tm
280	6 N.	31 W.	12	630	Amerada-Hess "Gauld" 1	1953	3054	0-3017	Tm
								3017-3054	KJk
281	6 N.	31 W.	14	646	Exxon Oil "Florence R. Selby" 1	1951	3810	0-3524	Tm
								3524-3810	KJk
282	7 N.	35 W.	11	362	Prairie Oil & Gas 1	1930	5638	0-1988	Tm
								1988-2192	Ttr
								2192-2734	TI
								2734-5638	KJf
283	8 N.	34 W.	35	782	Union Oil "Purissima" 19	1930	4310	0-2980	Tsq
									Thrust fault at 1800 feet
								2980-3150	Km
								3150-4310	KJf (Miocene volcanic rocks; Woodring and Bramlette, 1950)
AAPG Cross-Section, Santa Maria Basin (1959) shows 2980-4050 Tm; 4050-4150 Tps; 4150-4279 TI; 4275-4310 KJf									
284	6 N.	32 W.	20	290	Texaco Oil "Petan" 2	1944	2111		Tg; top Ks at 1100 feet
285	6 N.	32 W.	20	460	Texaco Oil "Petan" 1	1943	1741	0-650	Tsl (oil shows)
								650-1741	KJe
286	8 N.	33 W.	26	750	L. B. O'Neil "Orema" 1	1932	3545	0-1315	?
								1315-2275	Tc
								2275-3545	Tf
287	8 N.	31 W.	33	1000	Getty Oil "Davis" 1	1942	6643	0-1380	Tc
								1380-1460	Tf
								1460-3200	Tsq
								3200-6320	Tm
								6320-6510	Tps
								6510-6643	KJk
288	6 N.	29 W.	3	1000	San Marcos Oil "Elliot" 1	1927	3631	0-1400	Qpr
								1400-1560	Tc
								1560-1960	Tsq
								1960-3390	Tm
								3390-3631	s

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
289	6 N.	29 W.	2	1485	Lewis W. Welch "Welch Janeway" 1	1949	5933	9-1700 1700-4490 4490-5933	Qpr Tm KJk
290	6 N.	30 W.	13	745	Shell Oil "Barrett" 1	1939	1956	0-1100 1100-1452 1452-1591 1591-1956	Tm Tps Tsl(?) Conglomerate
291	6 N.	30 W.	13	828	Nat. Explor. Co. (Shell) 1	1922? 1920?	2655	0-2114 2114-2655	Tm (Tps) KJk
292	6 N.	29 W.	29	785	Lewis W. Welch "Lazy R. G." 3	1950	6106	0-2770 2770-3175 3175-4220 4220-5400 5400-6106	Tm Tt Tr and Tv Ts Tsl
293	6 N.	30 W.	29	827	Aminoil U.S.A. "Mitchell" 15-29	1957	4903	0-2243 2243-2990 2990-4903	Tm and ? Ts Tgs
294	6 N.	30 W.	29	484	Aminoil U.S.A. "Mitchell" 24-39	1957	3130	0-3110 3110-3130	Tm and ? KJk
295	8 N.	35 W.	4	239	Union Oil "Jesus Maria" 75-4	1953	2427	0-2410 2410-2427	Tm Tl
296	8 N.	35 W.	3	332	Union Oil "Jesus Maria" 4	1952	3893	0-2146 2146-3879 3879-3893	Tsq Tm Ks or KJk
297	8 N.	35 W.	3	295	Union Oil "Jesus Maria" 25-3	1952?	3254	0-2448 2448-3219 3219-3254	Tsq Tm Ks or KJk
298	9 N.	33 W.	3i	900	Shell Oil "Careaga" A-1 (Woodring and Bramlette, 1950; sec. C-C')	1930	5815	0-185 185-2400 2400-3450 3450-3565 3565-5815	Tc Tsq Tm Tps Tl
299	9 N.	33 W.	45	650	Gilliland Oil & Land Co. "Bradley" 1	1933	10296	0-150 150-1200 1200-1950 1950-2450 2450-3500 3500-5000 5000-10296	Q Qor and Qal Qpr Tc Tf Tsq Tm
300	10 N.	35 W.	15	100	Union Oil "Tognazzini" 2		5580	0-650 650-1800 1800-2700 2700-4450 4450-5100 5100-5575 5575-5580	Qor and Qal Qpr Tc Tf Tsq Tm KJk and KJf
NOTE: Well data from #301-#305 are from Woodring and Bramlette (1950; sec. B-B')									
301	10 N.	34 W.	22	~225	Union Oil "Tonascia" 4		4837	0-760 760-1200 1200-1800 1800-3150 3150-3650 3650-3750 3750-4837	Qor and Qal Qpr Tc Tf Tsq Tm KJk, KJf, or Ks

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
302	10 N.	34 W.	22	~250	Gerard Acquistapace 6		4745	0-760 760-1225 1225-1850 1850-3250 3250-3775 3775-4050 4050-4745	Qor and Qal Qpr Tc Tf Tsqr Tm KJk-KJf
303	10 N.	34 W.	27	~250	Getty "Vicente" 3		5487	0-15 15-800 800-1300 1300-2000 2000-3450 3450-4200 4200-4550 4550-5487	Qos Qor and Qal Qpr Tc Tf Tsqr Tm KJk-KJf
304	10 N.	34 W.	27	~260	Union Oil "Mallory" 1		5021	0-25 25-860 860-1450 1450-2250 2250-3800 3800-4500 4500-5000 5000-5021	Q Qor and Qal Qpr Tc Tf Tsqr Tm KJk-KJf
305	10 N.	34 W.	27	~225	Union Oil "McCoy Cooney" 2		5440	0-50 50-950 950-1600 1600-2540 2540-4200 4200-5050 5050-5440	Q Qor and Qal Qpr Tc Tf Tsqr Tm
306	8 N.	33 W.	6	850	Pinal Dome Oil Co. "Graciosa" 19	1911	4725	0-50 50-650 650-1150 1150-3950 3950-4725	Qpr Tc Tf Tsqr Tm
307	Offshore: Zone 5 x = 1,139,200 E. y = 565,800 N. Water depth: 554 feet Elev. Kelly Bushing: 589 feet				Standard-Humble (Exxon) "Oceano" 1	1965	8020	0-1220 1220-1300 1300-3402 3402-5484 5484-6660 6660-7060 7060-8020	Q Pliocene(?) Tf Tsqr Tm To KJf or Jo or TI
308	9 N.	34 W.	1	438	Shell Oil Co. "Shell-Standard-Adams" 42-1	1974	6660	0-4740 4740 6008 6061-6660	? Tf Basal Tsqr Tm
309	9 N.	33 W.	24	~810	Union Oil Co. "Dome" 18 (Shown on AAPG cross-section)		11639	0-1100 1100-1700	Tc Tsqr

Well No.	Township	Range	Sec.	Elev. (feet)	Producer's Name	Year	Depth ² (feet)	Top of Unit (feet)	Unit
					Santa Maria Basin, 1959)			1700-3100	Tm
								3100-3750	Tps
								3750-7800	Tl
								7800-9200	KJk and KJf
								9200-9900	Tsq
								9900-11000	Tm
								11000-11639	Tps
310	7 N.	34 W.	2	679	Union Oil Co. "Purissima" 20	3993	0-275		Qpr
					(Shown on AAPG cross-section		275-2325		Tsq
					Santa Maria Basin, 1959)		2325-3250		Tm
							3250-3425		Tps
							3425-3510		Tl
							3510-3993		KJk

² Depth shown is depth at which unit was penetrated.

List of map sources and stratigraphic information from exploratory wells

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