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DIVISION OF WATER RESOURCES

GOODWIN J. KNIGHT, Governor
FRANK B. DURKEE, Director of Public Works
A. D. EDMONSTON, State Engineer

BULLETIN No. 39-R
SOUTHERN CALIFORNIA AREA INVESTIGATION

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

IN

LOS ANGELES, SAN GABRIEL, AND SANTA ANA RIVER BASINS
AND ANTELOPE VALLEY

AND

WATER SUPPLY SUMMARY

FOR SOUTHERN PORTION OF CALIFORNIA

1949



SACRAMENTO, CALIFORNIA

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DEPARTMENT OF PUBLIC WORKS
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GOODWIN L. KNIGHT, Governor
FRANK H. FORD, Director of Public Works
L. D. EDWARDS, State Engineer

BULLETIN NO. 39-B
SOUTHERN CALIFORNIA AREA INVESTIGATION

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

FOR THE YEARS 1940-1941
AND WATER TABLE

WATER SUPPLY SUMMARY

FOR THE AREA INVESTIGATION

1940



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TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGMENT	iii
ORGANIZATION, STATE DEPARTMENT OF PUBLIC WORKS, DIVISION OF WATER RESOURCES	iv
CHAPTER I. INTRODUCTION	1
Authorization	2
Prior Reports	2
Scope of Report	4
CHAPTER II. WATER SUPPLY	6
Precipitation	6
Runoff	8
Storage in Surface Reservoirs	10
Importations	12
Quality of Water	13
Changes in Ground Water Levels	17
CHAPTER III. RECORDS OF GROUND WATER LEVELS	25
District A	27
District B	35
District C	43
District D	73
District E	85
San Jacinto Valley	99
Antelope Valley	111
CHAPTER IV. PRECIPITATION RECORDS	117
Monthly, from U. S. Weather Bureau	119
Season, 1948-49	121

TABLES

<u>Table No.</u>		<u>Page</u>
1	Precipitation Indices	7
2	Estimated Seasonal Natural Runoff at Selected Stations in Southern California	9
3	Storage in Surface Reservoirs in Southern California	11
4	Mineral Analyses of Ground Waters, Southern California Area	14
5	Mineral Analyses of Surface Waters, Southern California Area	16
	Change in Ground Water Elevations-1949	
6	San Fernando Valley Area	17
7	San Gabriel Valley Area	18
8	West Coast Basin	19
9	Central Basin	20
10	Coastal Plain Area, Orange County	21
11	Upper Santa Ana River Valley Area	22
12	Antelope Valley Area	23
13	San Jacinto Valley Area	23b

1	Introduction	1
2	Chapter I	10
3	Chapter II	20
4	Chapter III	30
5	Chapter IV	40
6	Chapter V	50
7	Chapter VI	60
8	Chapter VII	70
9	Chapter VIII	80
10	Chapter IX	90
11	Chapter X	100
12	Chapter XI	110
13	Chapter XII	120
14	Chapter XIII	130
15	Chapter XIV	140
16	Chapter XV	150
17	Chapter XVI	160
18	Chapter XVII	170
19	Chapter XVIII	180
20	Chapter XIX	190
21	Chapter XX	200
22	Chapter XXI	210
23	Chapter XXII	220
24	Chapter XXIII	230
25	Chapter XXIV	240
26	Chapter XXV	250
27	Chapter XXVI	260
28	Chapter XXVII	270
29	Chapter XXVIII	280
30	Chapter XXIX	290
31	Chapter XXX	300
32	Chapter XXXI	310
33	Chapter XXXII	320
34	Chapter XXXIII	330
35	Chapter XXXIV	340
36	Chapter XXXV	350
37	Chapter XXXVI	360
38	Chapter XXXVII	370
39	Chapter XXXVIII	380
40	Chapter XXXIX	390
41	Chapter XL	400
42	Chapter XLI	410
43	Chapter XLII	420
44	Chapter XLIII	430
45	Chapter XLIV	440
46	Chapter XLV	450
47	Chapter XLVI	460
48	Chapter XLVII	470
49	Chapter XLVIII	480
50	Chapter XLIX	490
51	Chapter L	500

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City of San Diego
San Bernardino Valley Water Conservation District
Metropolitan Water District of Southern California
United States Geological Survey
United States Weather Bureau

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ORGANIZATION

STATE DEPARTMENT OF PUBLIC WORKS
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MEMORANDUM

TO: THE SECRETARY OF DEFENSE
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1. [Illegible text]

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RECOMMENDATION

[Illegible text]

[Illegible text]

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

in

Los Angeles, San Gabriel, and Santa Ana River Basins
and Antelope Valley

and

WATER SUPPLY SUMMARY
FOR SOUTHERN PORTION OF CALIFORNIA

1949

CHAPTER I. INTRODUCTION

This report, Bulletin 39R, is the nineteenth of a series begun in 1932 in recognition of the need for compiling basic data for continuing study of the problems pertaining to local water supplies in the southern portion of the State. The basic data presented herein shows that the deficiency in water supply became more acute in 1949, the fifth year of sub-normal rainfall in the area. Ground water levels have continued to decline over most of the area at a rate faster than in any previous drought period for which ground water records are available. Importations were continued from the Owens River and from Mono Basin. The Metropolitan Water District of Southern California made deliveries of approximately 150,000 acre-feet of Colorado River water to the area for the water year 1948-49, an increase of slightly more than 17,000 acre-feet over the previous year. West Basin Municipal Water District received its first Colorado River water during the water year 1948-49 when it took delivery of about 500 acre-feet. It is worthy of note that the area served by this latter district has a serious sea-water intrusion problem.

Authorization

The Legislature, by Chapter 832, Statutes of 1929, requested an investigation of plans for the conservation and development of the water resources of California. One of the reports prepared by the Division of Water Resources under this Chapter was Bulletin No. 32 published in 1930. This bulletin, entitled "South Coastal Basin", was a progress report consisting of articles by the technical heads of leading public agencies concerned with water problems in the area. It was recommended in Bulletin No. 32 that further hydrologic investigations and studies be made. As a result the Division of Water Resources was authorized to undertake a continuing study known as the Southern California Area Investigation. This report is issued in connection with that investigation.

Prior Reports

As part of the investigation, Bulletin No. 39 was published in 1932 containing "Records of Ground Water Levels at Wells". Since 1932, water levels at selected wells have been published annually in Bulletins Nos. 39-A through 39-Q. The locations and descriptions of the wells referred to in the earlier bulletins were published in Bulletin No. 39 and are shown on Maps 1 through 8, accompanying that bulletin. The locations and descriptions of wells in the San Jacinto Valley and Antelope Valley were first published in Bulletin No. 39-J and are shown on maps 9 through 11 included in that bulletin.

Seasonal precipitation data from United States Weather Bureau records as well as from records at stations not included in official publications of that agency were first published in Bulletin 39-A and have

been incorporated in all subsequent publications of the series. These precipitation records, supplemented by monthly records of a few key United States Weather Bureau stations, illustrate the distribution of rainfall over the area. A map showing the location of precipitation stations for which records are published was included in Bulletin No. 39-A.

Numerous other bulletins have been published by Division of Water Resources from 1930 to date including data on ground water levels, quality of water, value and cost of water for irrigation, water losses and evaporation data, ground water geology, and evaluation of overdraft on ground water basins in southern California. These bulletins include:

California State Department of Public Works, Division of Water Resources. "South Coastal Basin, A Symposium". Bulletin No. 32. 1930.

California State Department of Public Works, Division of Water Resources. "Rainfall Penetration and Consumptive Use of Water in Santa Ana River Valley and Coastal Plain". Bulletin No. 33. 1930.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Records of Ground Water Levels at Wells". Bulletin No. 39. 1932.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Records of Ground Water Levels at Wells for the Years 1932 through 1940. Seasonal Precipitation Records through 1939-40". Bulletin No. 39-A through 39-I. 1932 through 1941.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Quality of Irrigation Waters". Bulletin No. 40. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Detailed Analyses Showing Quality of Irrigation Waters". Bulletin No. 40A. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Value and Cost of Water for Irrigation in Coastal Plain of Southern California." Bulletin No. 43. 1933

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Water Losses Under Natural Conditions from Wet Areas in Southern California". Bulletin No. 44. 1933.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Geology and Ground Water Storage Capacity of Valley Fill." Bulletin No. 45. 1934.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation Including San Jacinto Valley and Antelope Valley, Ground Water Levels 1941 through 1947, Precipitation Records 1940-41 through 1946-47." Bulletin No. 39-J through 39-P. 1944 through 1950.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Over-Draft on Ground Water Basins". Bulletin No. 53. 1947.

California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Ground Water Levels and Precipitation Records in Los Angeles, San Gabriel, and Santa Ana River Basins and Antelope Valley and Water Supply Summary for Southern Portion of California 1948". Bulletin 39-Q. 1953.

Scope of Report

The Southern California Area Investigation at its inception was concerned with the problems of water supply in the Santa Ana, San Gabriel and Los Angeles River valleys, and the West and South Coastal plains and early reports of the Bulletin 39 series were limited to records of ground-water levels in those areas. Subsequently precipitation records were added and the area extended to include the San Jacinto and Antelope valleys. In 1948, the material included was further extended to include a general water supply summary throughout the southern portion of the

state. This report is a compilation of the foregoing data for the 1949 calendar year.

The report is presented under four chapter headings as follows:

(1) Introduction, (2) Water Supply, (3) Records of Ground Water Levels, and (4) Precipitation Records. These chapters present a brief description of precipitation, runoff, storage in surface reservoirs, importations, quality of water, and change in ground water levels together with records of ground water levels for about 1000 wells and precipitation records by months at ten United States Weather Bureau stations and annually at about 280 other stations located throughout the area. Thirteen tables are included in the text of Chapter 2 summarizing water supply data.

CHAPTER II. WATER SUPPLY

Precipitation

The primary original source of replenishment of ground water basins underlying the Southern California Area is precipitation on overlying lands and on hills and mountains tributary to them. There is a wide variation in the amount of precipitation from year to year causing variations in the accretions to the ground water. During the period July, 1948, through June, 1949, precipitation averaged only about 65 per cent of normal based upon the 53-year mean (1883-84 through 1935-36) as shown in Table 1, "Precipitation Indices".

Mean annual precipitation varies from about 12 inches along the coast to 50 inches near the crest of the mountains. Near Riverside where the Santa Ana Mountains interfere with normal movement of air from the ocean toward the mountains to the north, mean annual precipitation is only 11 inches as compared with 25 inches at about the same elevation in the San Gabriel Valley where there is relatively little interference from the low hills which bound it on the south.

No major storms occurred during the year.

TABLE 1
PRECIPITATION INDICES

1948-49

Based on 53-Year Estimated Mean - 1883-84 through 1935-36
(Rainfall Year - July 1 through June 30)

Group or station :	Mean index
Bear Valley	74
Chino	59
Coastal Plain	55
Riverside	63
San Bernardino	82
San Fernando	50
San Gabriel Valley	58
San Diego	101*

* Based on 50-year mean (1897-1947).

Runoff

Runoff from mountain and hill areas is a major source of replenishment of the ground water supply. A large portion of the runoff percolates to the underground basins where it remains in storage for future use while the excess flows to the ocean and is wasted. The rate of replenishment of these basins is dependent upon many factors, some of which are: intensity and duration of precipitation, type of soil, and condition of the basin.

The runoff in rivers and creeks for 1948-49 was below normal for the fifth consecutive year due to subnormal rainfall. A tabulation of runoff in several rivers and creeks is shown in Table 2 with a comparison of maximum, minimum, and mean runoff for each station.

TABLE 2

ESTIMATED SEASONAL NATURAL RUNOFF AT SELECTED STATIONS IN SOUTHERN CALIFORNIA

In Acre-Feet

Station	Period of record	1948-49	Mean ^a	Maximum ^b		Minimum ^b	
				1948-49	Mean	Season	Amount
Matilija Creek at Matilija	1927-49	2,600	28,200	1940-41	125,300	1930-31	1,950
Sespe Creek near Fillmore	1934-49	9,080	93,900	1940-41	376,000	1898-99	5,000
Piru Creek near Piru	1911-13; 1927-49	6,020	53,700	1940-41	226,000	1898-99	900
Arroyo Seco near Pasadena	1910-49	1,260	7,300	1921-22	25,400	1898-99	160
San Gabriel River near Azusa	1894-1949	24,800	122,000	1921-22	410,000	1898-99	9,620
Santa Ana River near Mentone	1896-1949	30,600	70,600	1915-16	280,000	1898-99	16,000
San Jacinto River near San Jacinto	1920-49	10,340	28,900	1915-16	124,000	1933-34	3,220
Santa Ysabel Creek near Mesa Grande	1912-28; 1936-49	4,430	22,200 ^c	1915-16	95,200	1947-48	1,200

^a Mean for period 1894-95 through 1946-47 except as noted.

^b Indicated maxima and minima are recorded or estimated values for period 1894-95 to date.

^c Mean for periods 1912-13 through 1927-28 and 1936-37 through 1946-47.

Storage in Surface Reservoirs

The amount of water in storage in surface reservoirs on September 30, 1949 was, in most cases, far less than the available capacity. In Table 3 is shown the amounts in storage in reservoirs in southern California at the end of the year 1948-49, and the capacity of each.

TABLE 3

STORAGE IN SURFACE RESERVOIRS IN SOUTHERN CALIFORNIA

Name and location of reservoir	Capacity : in acre-feet :	Storage : September 30, 1949 : in acre-feet :	Per cent of capacity
Lake Crowley, Mono County	183,700	113,400	62
Grant Lake, Mono County	47,500	26,900	57
Haiwee Reservoir, Inyo County	60,000	36,600	61
Tinemaha Reservoir, Inyo County	16,600	3,930	24
Boquet Reservoir, Los Angeles County	36,200	26,900	74
Big Bear Lake, San Bernardino County	72,400	17,250	24
Santiago Reservoir, Orange County	25,000	2,050	8
Lake Hemet, Riverside County	14,000	130	1
Lake Mead, Colorado River	29,827,000	22,827,000	76
Lake Henshaw, San Diego County	203,580	30,700	15
Morena Lake, San Diego County	50,130	2,250	4
Barrett Lake, San Diego County	42,800	1,120	3
Upper Otay Lake, San Diego County	2,560	210	8
Lower Otay Lake, San Diego County	56,300	14,420	26
El Capitan Lake, San Diego County	116,400	11,600	10
San Vicente Lake, San Diego County	90,200	56,800	63
Lake Hodges, San Diego County	33,500	5,520	16
Murray Lake, San Diego County	6,080	4,390	72
San Dieguito Lake, San Diego County	1,130	760	67
Lake Loveland, San Diego County	27,700	190	1
Sweetwater Reservoir, San Diego County	27,700	2,030	7

Importations

Owens River and Mono Basin

Los Angeles Department of Water and Power obtains a large portion of the water supplied to the City from Owens Valley and Mono Basin. Development of this supply was made many years ago when it became apparent that local supplies would not be sufficient to meet the demands of increasing population and industrial expansion. Water is stored in Grant Lake, Lake Crowley and Haiwee reservoirs and brought to Los Angeles through the 238 mile long Los Angeles Aqueduct to supplement local supplies. During the water year 1948-49, 298,500 acre-feet of water were imported from this area.

Colorado River

Even with water from Owens River and Mono Basin it became apparent in the early twenties that southern California needed more water. It was natural that attention should be turned to the largest stream in the southwest, the Colorado River. In 1923, City of Los Angeles conducted a preliminary study of the river as a source of supply and two years later preliminary surveys followed. In 1928, Metropolitan Water District of Southern California was formed, and in 1930 it took over all engineering and other work from the City. Construction began in 1932, and Pasadena received its first delivery of softened water in June, 1941. A total of 74,400 acre-feet of softened and 76,000 acre-feet of unsoftened water were delivered to 16 member cities and districts in the water year 1948-49. A gross amount of 172,260 acre-feet, representing about 14 per cent of Metropolitan Water District's right to water in Colorado River, was

diverted at Lake Havasu.

Quality of Water

The Division of Water Resources has, since 1938, conducted a program of sampling and analyzing surface and ground waters in the Southern California area. These samples have been analyzed in the laboratory of University of California, Citrus Experimental Station in Riverside and the following determinations have been made:

- | | |
|--|--|
| 1. Specific electrical conductance
($EC \times 10^6$ at $25^\circ C$) | 6. Sulphate (SO_4) |
| 2. Calcium (Ca) | 7. Chloride (Cl) |
| 3. Magnesium (mg) | 8. Nitrate (NO_3) |
| 4. Sodium and potassium (Na+K) | 9. Boron (B) |
| 5. Bicarbonate (HCO_3) | 10. Total hardness as $CaCO_3$ ppm |
| | 11. Per cent sodium = $\frac{Na}{Ca + Mg + Na} \times 100$ (%Na) |

When conditions are such that extractions from a basin bordering the ocean exceed net recharge over a long period of time, the possibility of sea water intrusion exists. The hydraulic gradient is reversed allowing sea water to flow into the basin, causing degradation of the local supply. This phenomenon has existed in West Coast Basin for a number of years and is becoming increasingly prevalent along the coast south of Long Beach. An increase in the rate of intrusion has taken place in both of these areas during the past several years.

Tabulations of analyses of samples taken at key wells and streams are shown in Tables 4 and 5. Inspection of these analyses reveals all samples to be of good chemical quality except the San Gabriel River east of Long Beach.

TABLE 4

MINERAL ANALYSES OF GROUND WATERS
SOUTHERN CALIFORNIA AREA

Serial number	Owner, location, and description	Date sampled	ECx10 ⁶ at 25°C	Mineral constituents in parts per million							Total hardness as CaCO ₃ ppm		
				Ca	Mg	Na + K	HCO ₃ *	SO ₄	Cl	NO ₃		B	
A-52K-D-9	Crescenta Mutual Water Co. Well No. 11 Verdugo City NW. corner of Cloud Ave. and Honolulu Ave.	2-14-49	252	28	12	18	135	13	11	15	0.03	120	25
C-245-G-14	City of Monrovia San Gabriel Well No. 2 2 mi. S. of Monrovia NE. corner of Peck Road and Jeffries Ave.	8-10-49	417	53	15	17	209	17	11	19	0.0	194	16
E-44f-F-28	John W. Littleton 4 mi. NE. of San Bernardino NW. corner of Olive St. and Mountain Ave.	1-4-49	582	69	16	52	156	146	27	35	0.54	240	32

MINERAL ANALYSES OF GROUND WATERS
SOUTHERN CALIFORNIA AREA
(continued)

Serial number	Owner, location, and description	Date sampled	ECx10 ⁶ at 25°C	Mineral constituents in parts per million							Total hardness as CaCO ₃ ppm		
				Ca	Mg	Na + HCO ₃ *	SO ₄	Cl	NO ₃	B			
<u>San Jacinto Valley</u>													
2S3W368	W. S. Wingert 9 mi. N. of Lakeview near State Highway No. 83 and Redlands Blvd.	5-18-49	388	11	7	78	260	12	11	Trace	0.0	54	76
4S1W26M	Owner unknown 1 mi. N. of San Jacinto SE. of NW. corner of Sec. 26	4-19-49	607	87	8	52	336	41	23	12	0.0	250	31
4S2W17A	Nuevo Water Co. Well No. 7 Lakeview SE. corner of Hansen Ave. and myr Ave.	4-20-49	508	43	14	53	147	18	75	16	0.05	164	41
5S1W16A	Owner unknown Hemet SW. corner Lyon Ave. and Santa Fe Railway	4-19-49	562	72	12	136	131	236	118	6	0.83	228	57
5S2W15A	W. R. Fox 1 1/2 mi. N. of Winchester	4-20-49	730	53	24	77	200	31	131	10	0.06	230	42

* Includes small equivalent quantity of carbonate (CO₃).

TABLE 5

MINERAL ANALYSES OF SURFACE WATERS
SOUTHERN CALIFORNIA AREA

Serial number	Location and description	Date sampled	ECx10 ⁶ at 25°C	Mineral constituents in parts per million								Total hardness as CaCO ₃ ppm	
				Ca	Mg	Na + K	HCO ₃ *	SO ₄	Cl	NO ₃	B		
S502-0-12	San Gabriel River E. of Long Beach at Ocean Ave.	2-21-49	1450	101	35	210	330	267	197	24	0.89	396	54
S2947-I-13	San Gabriel River SW. of El Monte in Whittier Narrows	2-21-49	323	45	9	18	178	25	7	Trace	0.0	150	21
S15822-L-20	Santa Ana River SW. of Prado Dam at U.S.G.S. gaging station	3-10-49	735	86	18	66	292	95	66	6	0.38	290	33
S16735-J-20	Chino Creek 4 mi. N. of Prado Dam	3-10-49	820	100	24	73	381	120	44	7	0.12	350	31
S17062-J-27	Gage Canal E. of Riverside at 8th St. Bridge	3-10-49	333	32	9	29	135	36	15	7	0.04	116	35
S17965-H-27	Santa Ana River S. of Colton at La Cadena Ave.	1-26-49	463	65	14	43	217	78	24	11	0.21	220	30

* Includes small equivalent quantity of carbonate (CO₃).

Changes in Ground Water Levels

Five consecutive years of subnormal precipitation, a rapid increase in population, and increased export of sewage to the ocean all combine to deplete the already inadequate supply of water in the southern California area. Following is a brief summary of ground water conditions in subdivisions of southern California area, and a table showing changes in elevation of water levels at key wells in these subdivisions. Water level elevations in the summary reflect the lowest measurement made each season in contrast to the October-November low used in Bulletin 39Q.

San Fernando Valley Area

The water table in this area continued to drop for the fifth consecutive year. From the fall of 1948 to the fall of 1949 the drop averaged about five feet.

TABLE 6

CHANGE IN GROUND WATER ELEVATIONS--1949
SAN FERNANDO VALLEY AREA

In Feet

Serial	Location	Year	Beginning : Water level		Change : in elev.	Year and extreme water level elevations of record	
			: of record	: elevation		: Maximum	: Minimum
			: 1948	: 1949			
A-15	4757A	1920	780.4	779.9	-0.5	7/11/49 781.9	2/25/21 765.9
A-31	4855	1910	674.9	664.0	-10.9	7/12/44 715.4	12/8/31 641.9
A-62a	3620	1922	756.4	756.9	+0.5	2/25/41 766.6	10/10/34 753.3
A-82	3804	1922	605.7	598.8	-6.9	3/22/44 620.8	2/12/32 594.9
A-98	3961	1931	895.0	886.0	-9.0	10/20/44 941.7	12/15/49 886.0

San Gabriel Valley

Water levels in the Valley continued to decline during 1949.

TABLE 7

CHANGE IN GROUND WATER ELEVATIONS--1949
SAN GABRIEL VALLEY AREA

In Feet

Well number	: Beginning	: Water level	: Year and extreme
: of record	: <u>elevation</u>	: Change	: water level
: Fall	: Fall	: in	: <u>elevations of record</u>
Serial : Location	: Year	: 1948 : 1949 : elev.	: Maximum : Minimum
C-16a, b			5/ 2/16 10/16/33
C-16 4043A	1904	659.9 659.1 -0.8	767.4 614.0
C-99			
C-130a			2/22/16 9/30/49
C-130 4163	1900	481.7 470.7 -11.0	578.2 470.7
C-212			5/ 6/16 1/ 2/37
C-212 2903	1902	256.3 254.0 -2.3	273.2 253.2
C-241			8/11/44 12/17/34
C-241 4177	1919	286.1 274.3 -11.8	317.0 264.9
C-294			5/19/16 11/14/31
C-294a 3030F	1903	278.3 266.1 -12.2	329.1 257.3
C-317			5/11/18 8/14/34
C-317 3047	1903	304.4 301.9 -2.5	318.6 279.3
C-337			1919 11/23/33
C-337 4329	1919	398.4 384.2 -14.2	437.0 362.8
C-405			8/ 1/17 10/28/31
C-405 4355	1915	531.8 515.0 -16.8	652.0 505.0

West Coast Basin

Water levels in the West Coast Basin continued to drop with the exceptions of the area along the ocean where levels remained at about sea level.

TABLE 8
CHANGE IN GROUND WATER ELEVATIONS—1949
WEST COAST BASIN

In Feet

Well number	: Beginning : : of record :	Water level : : elevation :	Change : : in :	Year and extreme water level elevations of record
Serial	Location	Year	1948 : 1949 : elev.	Maximum : Minimum
B-9d				10/13/04 11/ 1/49
B-10p	2598	1904	10.2 9.4 -0.8	42.8 9.4
B-34i	1311A	1927	-39.5 -43.8 -4.3	April 1927 9/ 2/49 8.5 -43.8
B-90g	733B	1927	-24.4 -27.3 -2.9	12/29/27 11/22/49 0.1 -27.3
B-102m	793B	1910	-25.7 -28.4 -2.7	1910 10/ 5/49 24.8 -28.4
B-115g	858B	1924	-75.8 -80.2 -4.4	4/11/24 8/31/49 -10.0 -80.2
B-136	381	1923	-5.8 -6.6 -0.8	3/20/23 9/ 2/31 4.0 -8.0

Central Basin-Los Angeles County

Elevation of the water table in this area continued to fall with much of the piezometric water surface in the pressure area remaining below sea level. Levels in the forebay area dropped more than did those in the pressure area.

TABLE 9
CHANGE IN GROUND WATER ELEVATIONS--1949
CENTRAL BASIN

In Feet

Well number	: Beginning	: Water level	: Year and extreme					
: of record	: <u>elevation</u>	: Change	: water level					
: : : Fall : Fall : in : elevations of record	: : : 1948 : 1949 : elev. : Maximum : Minimum							
FOREBAY AREA								
B-70f	1491A	1930	49.0	43.3	-5.7	2/22/30 82.1	9/15/49 43.3	
C-814						4/ 1/44	10/ 6/36	
C-801b	1620E	1904	125.5	108.7	-16.8	164.7	104.4	
PRESSURE AREA								
B-12n	2626D	1931	-77.0	-81.0	-4.0	2/15/32 27.0	11/ 8/49 -81.0	
B-51b	1413	1911	30.1	25.7	-4.4	1911 115.6	11/30/49 25.7	
C-894	1062	1925	14.1	6.9	-7.2	3/11/27 58.2	8/30/49 6.9	
C-926	936	1895	-45.4	-54.0	-8.6	July 1895 148.	9/12/49 -54.0	

Coastal Plain Area-Orange County

Ground water levels in the Coastal Plain Area continued to fall at such a rate as to increase the rate of salt water intrusion in the pressure section of the basin. A decline in water surface elevation also occurred in the forebay area although 4,669 acre-feet of Colorado River water were spread by Orange County Water District.

TABLE 10

CHANGE IN GROUND WATER ELEVATIONS---1949
COASTAL PLAIN AREA, ORANGE COUNTY

In Feet

Well number	: Beginning	: Water level	: Year and extreme				
: of record	: elevation	: Change:	: water level				
: Location	: Year	: Fall	: Fall	: in	: elevations of record		
Serial	: Location	: Year	: 1948	: 1949	: elev.:	: Maximum	: Minimum
LA HABRA BASIN							
C-968	1756	1922	300.7	298.6	-2.1	11/23/43 307.4	2/26/31 280.2
YORBA LINDA BASIN							
C-1097	15640	1922	163.9	157.6	-6.3	8/31/22 198.5	1/26/38 140.8
FOREBAY AREA							
C-1120	14521	1928	16.6	6.9	-9.7	4/22/29 56.6	11/ 9/49 6.9
C-1129j						2/22/1898	10/14/49
C-1129m	1189B	1898	6.9	-0.5	-7.4	112.7	-0.5
IRVINE AREA							
C-1217a	13451	1927	15.0	1.5	-13.5	12/12/27 67.4	8/19/49 1.5
PRESSURE AREA							
C-909	1028B	1903	-24.2	-32.9	-8.7	12/19/24 40.8	7/28/49 -32.9
C-1160a	14484A	1922	4.8	-1.6	-6.4	6/14/22 63.7	9/ 8/49 -1.6
C-1243	13322	1904	11.1	4.3	-6.8	1904 40.1	8/16/49 4.3
C-1257	13231	1922	-10.8	-14.5	-3.7	6/29/22 17.6	8/12/49 -14.5

Upper Santa Ana River Valley Area

In this area, as in other areas throughout the southern section of the State, the drought was evidenced by a decline in water surface elevation. The drop is not as critical in this area, however, as it is in the coastal areas.

TABLE 11

CHANGE IN GROUND WATER ELEVATIONS--1949
UPPER SANTA ANA RIVER VALLEY AREA

In Feet

Well number	: Beginning of record	: Water level elevation	: Change in elev.	: Year and extreme water level elevations of record			
Serial	: Location	: Year	: 1948	: 1949	: elev.	: Maximum	: Minimum
C-595	4438	1905	963.3	961.8	-1.5	11/11/05 987.8	1/25/30 818.8
D-743z	3277A	1904	656.3	647.2	-9.1	4/14/05 744.6	7/27/49 647.2
D-909	16791	1927	615.3	608.7	-6.6	4/15/41 636.7	8/ 2/49 608.7
D-1044	17804	1912	771.6	769.9	-1.7	4/15/24 795.3	12/ 1/42 769.6
D-1188a	18724	1912	1284.4	1247.4	-37.0	6/16/16 1458.2	11/17/31 1210.4
E-10	18782	1918	1260.2	1248.9	-11.3	3/13/18 1331.5	10/ 2/36 1228.3
E-37	18827	1888	1077.3	1070.4	-6.9	1888 1147.1	7/22/36 1062.4
E-75	17964C	1915	882.8	877.4	-5.4	6/23/21 905.6	Oct. 1936 851
E-107b	18075	1900	1113.4	1097.3	-16.1	3/ 2/23 1171.1	9/29/36 1091.1
E-109	18080	1892	1110.3	1100.7	-9.6	Feb. 1894 1153.2	10/24/36 1093.7
E-136	18228	1927	2167.6	2166.0	-1.6	5/ 2/27 2247.4	10/ 1/49 2166.0
E-192	17012	1928	772.3	769.8	-2.5	2/28/28 783.8	9/17/34 761.2
E-240	17383	1921	2259.9	2258.6	-1.3	5/ 6/27 2284.9	7/ 2/49 2258.6

Antelope Valley Area

The water situation has become increasingly critical in Antelope Valley with the water table receding at the rate of about three feet per year for the past quarter century. The rate at which the water table is receding is increasing each year.

TABLE 12
CHANGE IN GROUND WATER ELEVATIONS--1949
ANTELOPE VALLEY AREA

In Feet

Well number	: Beginning of record	: Water level elevation	: Year	: 1948	: 1949	: Change in elev.	: Year and extreme water level elevations of record	: Maximum	: Minimum
BUTTES BASIN									
8831	6N/10W-20A	1940	2441.0	2440.4	-0.6	3/14/45 2501.6	11/21/49 2440.4		
LANCASTER BASIN									
8690	6N/12W-24A	1927	---	2324.8	---	12/ 5/28 2399.0	11/18/49 2324.8		
8682	6N/12W-25A	1927	2360.7	2351.7	-9.0	12/ 6/27 2413.0	9/21/49 2351.7		
9897	6N/13W-12A	1940	2358.9	2357.7	-1.2	5/31/40 2373.8	11/22/49 2357.7		
10101	7N/11W-24A	1932	2280.9	2275.2	-5.7	4/ 8/32 2359.6	10/25/49 2275.2		
11259B	7N/12W-15C	Prior to 1924	2284.8	2275.2	-9.6	Prior to 1924 2356.5	9/21/49 2275.2		
11119	7N/13W-17A	1937	2296.4	2285.1	-11.3	3/ 8/39 2336.1	1/ 4/50 2285.1		
9864A	7N/13W-35A	1937	2249.2	2243.0	-6.2	3/ 8/39 2313.8	12/ 9/49 2243.0		

CHANGE IN GROUND WATER ELEVATIONS--1949
ANTELOPE VALLEY AREA

In Feet
(continued)

<u>Well number</u>	:	Beginning	:	Water level	:	Year and extreme
	:	of record	:	elevation	:	water level
	:	State	:	Fall	:	Change
	:	B & M	:	1948	:	in
<u>Location</u>	:	Year	:	1949	:	elevations of record
	:		:		:	Maximum
	:		:		:	Minimum

LANCASTER BASIN (continued)

11450	8N/10W- 9A	1921	2292.1	2289.9	-2.2	4/29/22 2308.4	10/25/49 2289.9
11363B	8N/11W-22A	1937	2245.6	2236.3	-9.3	3/10/39 2289.4	11/22/49 2236.3
11252	8N/12W-22A	1910	2278.9	2284.2	+5.3	1910 2323.0	10/14/48 2278.9
12389	8N/14W-12A	1940	2331.8	2327.1	-4.7	11/24/42 2358.4	12/ 2/49 2327.1
12424	9N/13W-20A	1921	2347.6	2339.9	-7.7	4/29/22 2394.0	11/29/49 2339.9

NEENACH BASIN

10976	8N/15W-36A	1943	--	2700.8	--	12/ 8/47 2713.0	12/ 1/43 2700.2
10791	8N/16W-18A	1942	2898.8	2896.4	-2.4	7/29/44 2909.8	11/14/42 2892.9

ROCK CREEK BASIN

8826A	5N/10W-7A	1938	2680.6	2667.2	-13.4	3/15/45 2699.4	11/15/49 2667.2
7700	5N/10W-26A	1940	3104.8	3108.1	+3.3	3/15/45 3112.1	12/ 5/42 3103.7
8787	5N/11W-10A	1927	2739.8	2735.9	-3.9	7/18/41 2793.2	8/13/38 2690.5
10338	6N/ 8W-18A	1939	--	2563.0	--	11/18/39 2566.0	9/ 7/45 2562.5
8934	6N/ 9W-31A	1940	2799.7	2796.6	-3.1	5/15/44 2823.0	11/25/40 2791.6

San Jacinto Valley Area

Ground water levels over the area generally dropped during the year 1948-49.

TABLE 13

CHANGE IN GROUND WATER ELEVATIONS--1949
SAN JACINTO VALLEY AREA

In Feet

Well number	: Beginning : : of record :	Water level : : elevation :	Change : : in :	Year and extreme water level elevations of record : Maximum ; Minimum
State B & M	: Year	: 1948 : 1949	: elev.	

LAKEVIEW-NUEVO VALLEY

4S/2W-7A	1904	1352.0	1349.0	-3.0	5/28/12 1417.0	10/18/49 1349.0
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MENIFEE VALLEY

6S/2W- 6B	1940	1370.5	1364.8	-5.7	1/ 8/42 1382.0	11/17/49 1364.8
6S/3W-4A&B	1914	1372.4	1373.3	+0.9	5/ 6/16 1410.3	9/ 8/48 1372.4

FERRIS VALLEY

3S/3W-22A	1906	1440.8	1435.6	-5.2	4/ 7/42 1467.1	1/13/50 1435.6
4S/3W-32A&C	1904	1369.9	1368.6	-1.3	6/20/05 1403.1	5/10 /40 1358.7
4S/4W-1A&F	1904	1461.8	1460.6	-1.2	5/23/46 1464.5	5/ 5/16 1456.2

CHANGE IN GROUND WATER ELEVATIONS--1949
SAN JACINTO VALLEY AREA

In Feet
(continued)

Well number	: Beginning of record	: Water level elevation	: Year	: Change in elev.	: Year and extreme water level elevations of record	: Maximum	: Minimum
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PICO-HEMET VALLEY

4S/1W-29B	1921	1457.9	1452.5	-5.4	3/15/22 1495.8	6/ 9/49 1452.5	
5S/1W- 2I	1905	1508.7	1489.5	-19.2	10/18/12 1530.2	9/21/49 1489.5	
5S/2W-24B	1914	1448.6	1454.4	+5.8	5/ 6/16 1494.7	8/11/48 1448.6	
6S/1W-10A	1942	1647.6	1642.2	-5.4	1/13/44 1661.8	1/20/50 1642.2	

SAN JACINTO VALLEY

3S/2W-35A	1921	1402.7	1401.3	-1.4	2/26/24 1429.0	8/24/49 1401.3	
4S/1W-15B	1915	1445.0	1432.6	-12.4	Flowing prior to 6/12/45 1492	9/21/49 1432.6	
4S/1W-35D 4S/1W-36A	1904	1501.9	1492.9	-9.0	Nov. 1915 1583	1/10/50 1492.9	
5S/1E-14A	1939	1714.1	1703.6	-10.5	4/ 8/42 1854.3	11/18/49 1703.6	

WINCHESTER VALLEY

5S/2W-27E&F	1905	1440.0	1437.9	-2.1	5/22/22 1463.4	9/17/46 1433.6	
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CHAPTER III. RECORDS OF GROUND WATER LEVELS

A tabulation of distance to water surface for approximately 1,000 wells in Los Angeles, San Gabriel, and Santa Ana River Basins and in Antelope Valley is presented on the pages that follow. These records are a continuation of those published in the Bulletin 39 series.

Following is a list of abbreviations used in this bulletin:

D.W.R.	Division of Water Resources
L.A. Co. F.C.D.	Los Angeles County Flood Control District
L.A.D.W. & P.	Los Angeles Department of Water & Power
L.B.W.D.	Long Beach Water Department
M.W.D.	Metropolitan Water District
O. Co. F.C.D.	Orange County Flood Control District
P.W.D.	Pasadena Water Department
Riv. Co. F.C.D.	Riverside County Flood Control District
Riv. W.D.	Riverside Water Department
S.A.V.I. Co.	Santa Ana Valley Irrigation Company
S.B. Co. F.C.D.	San Bernardino County Flood Control District
S.B.V.W.C.D.	San Bernardino Valley Water Conservation District
S.B.W.D.	San Bernardino Water Department
S.C.W. Co.	Southern California Water Company
S.G.V.P.A.	San Gabriel Valley Protective Association
U.S.G.S.	United States Geological Survey
U.S.W.B.	United States Weather Bureau

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "A"

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF THE HISTORY OF ARTS
1100 EAST 58TH STREET
CHICAGO, ILLINOIS 60637

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
A-3b-B-6 1245.	May 18	117.2	A-12-D-3 ****	Mar. 17 a	19.7
				Sep. 6 a	20.2
				Nov. 18 a	19.6
A-4c-B-6 *1229.6	Nov. 17	a 26.2	A-13-D-3 825.9	Jan. 10	27.0
				Feb. 7	26.9
A-4e-B-6 1281.8	Mar. 15	a 42.6		Mar. 8	26.7
	Nov. 17	a 40.2		Apr. 4	26.9
				May 9	26.8
A-5a-C-2 959.4	Jan. 10	10.4		June 6	26.8
	Feb. 7	9.6		July 5	27.2
	Mar. 8	9.4		Sep. 6	27.4
	Apr. 4	9.8		Oct. 4	27.5
	May 9	10.0		Nov. 1	27.6
	June 6	9.6			
	July 5	10.2	A-15-D-4 791.2	Jan. 28	a 10.0
	Aug. 9	10.7		Feb. 21	a 9.7
	Sep. 6	10.8		Mar. 28	a 9.4
	Oct. 4	11.3		Apr. 18	a 9.5
	Nov. 1	11.1		June 20	a 9.9
	Nov. 22	11.2		July 11	a 9.3
				Aug. 15	a 9.9
A-9-D-3 **	Mar. 17	66.5		Sep. 19	a 10.5
	June 22	66.5		Oct. 14	a 10.8
	Nov. 18	65.2		Nov. 14	a 11.3
				Dec. 12	a 10.9
A-10-E-3 ***	Jan. 4	12.2	A-18a-D-4 869.1	Mar. 17	a 123.4
	Feb. 8	11.9		Nov. 16	a 126.4
	Mar. 8	11.8			
	Apr. 17	12.5	A-18c-D-4 783.	Apr. 11	51.1
	May 11	11.4		Nov. 22	51.4
	June 8	11.6			
	July 6	11.9			
	Aug. 10	12.4	A-22-D-5 862.5	Mar. 17	b 174.9
	Sep. 7	12.6		Nov. 18	b 182.0
	Oct. 5	12.8			
	Nov. 9	13.0	A-24-B-5 1158.4	Jan. 25	34.2
	Dec. 7	12.5		Apr. 18	32.8
				Nov. 17	40.0

* New elev., R.P. changed.

** R.P. elev. 880.0 to and including May 19, 1949; then 879.6.

*** R.P. elev. 792.7 to and including April 21, 1949; then 791.4.

**** Correction to all previous bulletins: R.P. elev. should be 830.0 to and including August 30, 1937; then 830.6 to and including March 17, 1949; then 830.0, from levels by L.A.D.W.&P.

a Meas. from L.A.D.W.&P.

b Meas. by L.A.D.W.&P. from L.A.Co.F.C.D.

Meas. from L.A.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
A-24a-C-5 *	Jan. 10	a 4.5	A-27a-D-5	Mar. 15	114.3
	Feb. 7	a 3.8	Cont.	Apr. 19	115.0
	Mar. 8	a 6.2		June 21	116.5
	Apr. 4	ab 16.1		Aug. 16	117.9
	May 9	ab 14.1		Sep. 20	118.7
	June 6	ab 14.0		Oct. 14	119.3
	July 5	ab 17.0		Nov. 16	c
	Aug. 9	ab 17.7		Dec. 15	123.2
	Sep. 6	a 8.0			
	Oct. 4	a 7.8	A-28b-B-6	Jan. 10	a 12.3
	Nov. 1	a 7.4	1130.7	Feb. 7	a 12.0
	Nov. 22	a 6.8		Apr. 4	a 10.2
A-24b-C-5 1033.8	Mar. 15	23.7		May 9	a 14.7
	Nov. 17	22.6		Aug. 9	a 20.3
				Nov. 22	a 17.7
A-26-D-5 879.0	Jan. 4	197.2	A-31-D-6	Jan. 27	228.7
	Feb. 1	197.5	903.0	Mar. 16	229.4
	Mar. 15	198.3		Apr. 15	230.6
	Apr. 19	199.5		Sep. 20	236.8
	May 17	200.3		Oct. 11	237.5
	June 14	201.4		Dec. 14	239.0
	July 12	203.4			
	Aug. 16	203.6	A-31a-D-6	Jan. 27	155.9
	Sep. 20	204.7	820.2	Feb. 23	155.5
	Oct. 18	205.7		Mar. 15	155.7
	Nov. 15	206.2		Apr. 20	157.8
	Dec. 20	207.2		May 20	159.2
				Aug. 16	162.9
A-27-D-5 798.0	Jan. 27	a 107.9		Sep. 23	164.4
	Feb. 24	a 108.3		Oct. 18	165.5
	Mar. 15	a 108.9		Nov. 15	165.6
	Apr. 19	a 109.8		Dec. 16	165.8
	May 20	a 110.5			
	June 21	a 111.2	A-35-D-6	Jan. 27	224.0
	July 12	a 111.6	886.6	Feb. 15	a 224.2
	Aug. 16	a 112.4		Feb. 23	224.1
	Sep. 20	a 113.1		Mar. 16	224.6
	Oct. 14	a 113.8		Apr. 12	a 225.2
	Dec. 14	a 114.7		Apr. 15	225.5
				May 19	226.9
A-27a-D-5 793.1	Jan. 27	113.5		June 21	228.2
	Feb. 23	113.9		July 11	a 229.1

* R.P. elev. 1120.7 to and including May 23, 1949; then 1121.0.

a Meas. from L.A.Co.F.C.D.

b Pumping nearby.

c Dry at 129.5 feet.

Measts. from L.A.D.W.& P. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
1949			1949		
A-35-D-6 Cont.	July 12	a 229.2	A-43-E-7 Cont.	Nov. 1	b 138.4
	Aug. 16	a 230.8		Dec. 6	b 137.0
	Sep. 20	a 232.3	A-44-C-7	Jan. 10	c 48.8
	Oct. 14	a 233.5	1164.1	Feb. 7	47.6
	Nov. 15	a 234.6		Mar. 8	45.4
	Nov. 22	a 234.9		Apr. 14	45.1
	Dec. 14	a 235.3		May 9	46.5
A-37-C-7 1203.8	Mar. 15	a 186.8		June 6	46.8
	Nov. 17	a 188.1		July 5	47.0
A-39-D-7 898.2	Jan. 27	a 244.0		Aug. 9	47.6
	Feb. 15	244.2		Sep. 6	48.1
	Feb. 23	a 244.1		Oct. 4	55.0
	Mar. 16	a 244.4		Nov. 1	48.4
	Apr. 12	245.0	A-45-C-8	Mar. 15	a 26.9
	Apr. 15	a 245.9	1159.8	Nov. 18	a 27.0
	May 19	a 246.7			
	June 21	a 248.6	A-48-C-8	Mar. 16	a 53.6
	July 11	249.6	1286.1	Apr. 12	52.8
	July 12	a 249.8		Nov. 18	a 56.9
	Sep. 20	a 253.6			
	Nov. 15	a 256.4	A-50b-D-9	Nov. 30	148.2
	Nov. 18	256.5	1750.		
	Dec. 14	a 256.5			
A-41-C-7 1099.1	Mar. 15	a 38.9	A-54d-D-10	Apr. 13	cd
	Nov. 17	a 40.6	1726.3		
A-43-E-7 713.7	Jan. 4	b 123.4	A-54e-D-10	Apr. 11	58.1
	Feb. 1	b 122.5	1498.	Apr. 13	c 58.1
	Mar. 8	b 121.7		Nov. 15	58.1
	Apr. 6	b 123.0		Nov. 29	c 58.2
	May 3	b 126.5	A-56-E-2	Mar. 18	a 35.6
	June 7	b 129.5	836.9		
	July 5	b 131.6			
	Aug. 2	b 133.8	A-56d-E-2	Mar. 18	a 28.7
	Sep. 6	b 136.1	*	Apr. 18	28.7
	Oct. 4	b 137.2		Nov. 15	29.4
				Nov. 17	a 29.3

* R.P. elev. 882.7 to and including April 18, 1949; then 882.9.

a Meas. from L.A.D.W. & P.

b Meas. by owner from L.A.Co.F.C.D.

c Meas. from D.W.R.

d Dry at 192.± feet.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
A-58d-E-3 798.6	Apr. 18	13.8	A-73-E-5 Cont.	Apr. 12	17.9
	Nov. 16	a 14.2		May 11	18.1
A-60-E-3 793.6	Nov. 16	a 16.2		June 8	18.4
				July 6	18.6
A-62a-E-3 769.9	Jan. 28	a 13.0		Aug. 10	19.0
	Feb. 21	a 12.8		Oct. 5	19.5
	Mar. 18	a 12.9		Nov. 9	19.8
	Apr. 18	a 13.0		Dec. 7	19.9
	May 24	a 12.1	A-74-E-5 732.6	Jan. 4	67.8
	June 20	a 12.0		Feb. 8	68.2
	July 11	a 11.4		Mar. 15	a 68.6
	Aug. 15	a 11.5		Apr. 19	a 72.0
	Sep. 19	a 11.7		May 11	72.7
	Oct. 14	a 12.7		June 8	73.9
	Nov. 14	a 12.8		July 6	75.0
	Dec. 7	a 13.0		Aug. 10	76.2
A-66b-E-4 729.5	Jan. 4	11.1		Sep. 7	77.3
	Feb. 8	11.1		Oct. 5	78.2
	Mar. 8	11.1		Nov. 9	77.2
	Mar. 17	a 11.0	A-75-F-6 654.3	Dec. 7	77.2
	Apr. 18	11.0		Jan. 4	11.0
	May 11	10.6		Feb. 8	11.0
	June 8	10.5		Mar. 8	11.0
	June 22	a 10.6		Apr. 12	10.6
	July 7	10.5		May 11	11.6
	Aug. 10	10.6		June 8	11.8
	Sep. 7	11.0		July 6	12.1
	Oct. 5	11.4		Aug. 10	12.4
	Nov. 9	11.7		Sep. 7	12.7
	Nov. 14	a 11.7		Oct. 5	12.6
	Dec. 7	11.9		Nov. 9	12.7
A-70-E-5 719.1	Mar. 17	a 28.2	A-76-E-6 707.2	Dec. 7	12.5
	Nov. 14	a 30.0		Jan. 4	55.2
A-71a-E-5 723.9	Mar. 18	a 13.5		Feb. 8	55.3
	Nov. 14	a 14.2		Mar. 8	55.6
A-72-E-5 732.5	Mar. 18	a 44.1		Apr. 13	61.6
	Nov. 14	a 46.7		May 11	62.9
A-73-E-5 690.1	Jan. 4	17.6		June 8	64.6
	Feb. 8	17.6		July 6	65.9
	Mar. 8	17.7		Aug. 10	67.5
				Sep. 7	68.6
				Oct. 5	69.6
				Nov. 9	66.1
				Dec. 7	65.3

a Meas. from L.A.D.W.& P.

Measts. from L.A.Co.F.C.D. except as noted.

Well Number and R. P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
A-77b-E-6 681.3	Jan. 4	36.5	A-81d-E-6	July 6	37.0
	Mar. 16	a 36.8	Cont.	Aug. 10	40.9
	Nov. 16	a 47.1		Sep. 7	41.8
A-78d-E-6 698.4	Jan. 4	72.2		Oct. 5	41.9
	Feb. 8	75.5		Nov. 9	43.1
	Mar. 8	71.2		Dec. 7	43.1
	Apr. 13	70.8	A-82-F-6	Mar. 16	a 29.7
	May 11	71.8	633.9	Nov. 16	a 35.1
	June 8	73.0			
	July 6	74.3	A-84-E-7	Mar. 16	a 33.7
	Aug. 10	73.0	627.7	Nov. 16	ac
	Sep. 7	76.3			
	Oct. 5	78.0	A-85c-F-7	Mar. 16	a 7.8
	Nov. 16	a 79.4	596.1	Apr. 12	10.1
	Dec. 7	79.7		June 7	a 13.7
A-80-E-6 697.8	Jan. 4	71.5		Aug. 25	a 15.9
	Feb. 8	70.6		Oct. 19	a 18.3
	Mar. 8	70.6		Nov. 16	a 17.1
	Mar. 16	a 70.3	A-87c-E-7	Jan. 4	d 35.4
	Apr. 12	a 78.0	592.2	Feb 1	d 35.4
	Apr. 13	78.1		Mar. 8	d 35.5
	May 3	a 80.0		Apr. 6	d 35.6
	June 14	ab		May 3	d 36.2
A-81d-E-6 656.8	Jan. 4	36.3		June 7	d 37.6
	Feb. 8	36.5		July 5	d 39.0
	Mar. 8	36.4		Aug. 9	d 41.0
	Mar. 16	a 36.7		Sep. 6	d 42.6
	Apr. 13	37.4		Oct. 4	d 44.1
	May 11	37.5		Nov. 9	d 45.6
	June 8	38.9		Dec. 6	d 47.5

a Meas. from L.A.D.W.& P.

b Dry at 81.3 feet.

c Dry at 57.3 feet.

d Meas. by owner from L.A.Co.F.C.D.

Measts. from L.A.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface,Ft.
	1949			1949	
A-88-F-8 546.8	Jan. 27	a 26.8	A-93-E-8	July 5	48.8
	Feb. 24	a 24.6	Cont.	Aug. 9	50.5
	Mar. 16	a 25.4		Sep. 6	51.0
	Apr. 20	a 25.2		Oct. 4	52.0
	May 20	a 25.4		Nov. 1	53.1
	June 21	a 26.3		Nov. 9	b
	July 15	a 27.1	A-93L-E-8	Jan. 4	43.5
	Aug. 19	a 27.6	509.3	Jan. 6	a 43.4
	Sep. 23	a 28.1		Feb. 1	43.8
	Oct. 18	a 29.8		Mar. 8	44.0
	Nov. 16	a 31.4		Apr. 6	42.7
	Dec. 14	a 32.4		May 3	43.3
A-89d-E-8 *	Jan. 4	57.7		June 7	44.3
	Feb. 1	57.1		July 5	45.3
	Mar. 8	56.7		Aug. 9	45.9
	Apr. 6	57.8		Sep. 6	46.1
	May 3	59.5		Oct. 4	47.0
	June 7	62.0		Nov. 9	48.2
	July 5	64.1		Dec. 6	48.4
	Aug. 9	67.0	A-98-E-10	Jan. 6	c 61.2
	Sep. 6	69.0	965.2	Feb. 10	c 70.2
	Oct. 4	70.4		Mar. 17	c 72.7
	Nov. 9	71.6		Apr. 22	c 75.2
	Dec. 20	71.2		May 12	c 75.2
A-93-E-8 566.6	Jan. 4	37.4		June 9	c 75.2
	Feb. 8	45.2		Sep. 1	c 75.2
	Mar. 8	36.2		Oct. 13	c 77.2
	Apr. 6	44.4		Nov. 17	c 77.2
	May 3	46.2		Dec. 15	c 79.2
	June 7	47.6			

* R.P. elev. 620.9 to and including December 5, 1949; then 620.6.

a Meas. from L.A.D.W.& P.

b Well filled.

c Air gage meas. by owner from L.A.Co.F.C.D

Measts. by owner from L.A.Co.F.C.D except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "B"

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
B-3-I-5 114.0	Apr. 25 Nov. 29	97.9 106.8	B-15-I-8 110.7	Feb. 10 Mar. 10 May 12 June 10 July 6 Aug. 15 Sep. 8 Oct. 10 Nov. 17	59.2 58.8 59.2 68.0 70.0 89.3 89.4 87.6 87.2
B-6d-H-6 195.8	Apr. 13 Nov. 16	114.3 121.9			
B-10o-I-6 54.0	Apr. 13 Oct. 20	130.8 125.0			
B-10p-I-6 84.6	Jan. 5 Feb. 1 Mar. 17 Apr. 4 May 11 June 7 July 5 Aug. 15 Sep. 6 Oct. 10 Nov. 1 Dec. 13	74.5 74.6 74.7 74.8 74.7 74.9 75.0 75.1 75.0 75.0 75.2 75.2	B-18-H-9 225.	Apr. 19 Nov. 28	131.8 134.2
			B-18a-H-9 *	Mar. 23 Nov. 28	140.9 142.2
			B-23-I-5 22.2	Jan. 4 Feb. 1 Mar. 9 Apr. 4 May 11 June 7 July 5 Aug. 2 Sep. 3 Oct. 10 Nov. 1	23.8 23.2 23.2 23.2 23.2 23.2 23.2 23.0 23.2 23.4 23.6
B-11b-G-7 293.2	Apr. 13 Nov. 16	101.6 109.0			
B-12-H-7 100.	Apr. 18 Dec. 5	62.8 75.6			
B-13-I-6 68.0	Apr. 13 Nov. 16	57.8 62.5	B-24a-J-6 **14.6	Apr. 12 Nov. 16	18.5 18.3
B-14-G-8 290.	Feb. 9 Apr. 25 July 6 Aug. 15 Oct. 10 Dec. 28	28.6 25.9 25.2 25.2 25.4 29.2	B-27d-J-6 **15.6	Jan. 31 a Mar. 28 a Apr. 27 a May 30 a June 30 a Aug. 3 a Sep. 1 a Sep. 28 a Nov. 22 a	21.3 21.9 22.0 22.2 23.0 22.6 22.9 23.0 22.4
B-14d-G-8 335.9	Apr. 25 July 6 Aug. 15 Oct. 10 Dec. 28	45.0 45.4 45.6 45.9 45.0	B-28-J-6 83.9	Nov. 14 a	82.7

* Correction to all previous bulletins: R.P. elev. should be 230.3 to and including December 7, 1943; then 231.1, from levels by L.A.D.W.&P.

** Correction to all previous bulletins: R.P. elev. should be as shown, from levels by D.W.R.

a Meas. from D.W.R.

Measts. from L.A.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
B-28c-J-6 130.6	Jan. 21	a 133.7	B-44a-K-8 Cont.	Sep. 7	137.2
	Feb. 26	a 134.6		Oct. 11	132.0
	Mar. 28	a 136.3		Nov. 2	133.3
	Apr. 28	a 136.2		Dec. 4	125.7
	June 1	a 136.5	B-45d-K-8 48.3	Feb. 3	a 89.9
	June 27	a 135.5		Apr. 1	a 87.0
	Aug. 5	a 135.1		Nov. 23	a 86.2
	Sep. 2	a 134.9	B-50-I-9 156.1	Apr. 13	123.2
	Oct. 3	a 134.6		Nov. 30	127.2
	Nov. 21	a 134.1	B-51b-J-9 140.6	Apr. 13	109.1
	Dec. 7	136.1		Nov. 30	114.1
B-31-J-6 143.0	Jan. 31	a 144.7	B-52-J-8 178.8	Apr. 26	180.6
	Feb. 28	a 149.8		Dec. 6	177.0
	Nov. 21	a 152.1	B-54-K-8 136.	Jan. 19	c 187.
B-36b-K-6 142.4	Jan. 31	a 160.7		Apr. 15	c 178.
	Feb. 28	a 160.9		May 15	c 180.
	Mar. 28	a 161.9		June 8	c 183.
	Apr. 29	a 162.0		July 16	c 186.
	May 27	a 161.3		Aug. 8	c 186.
	June 30	a 161.5		Sep. 16	c 189.
	Aug. 5	a 161.4		Oct. 16	c 191.
	Sep. 6	a 162.0		Nov. 16	c 191.
	Oct. 3	a 162.7		Dec. 24	c 191.
	Nov. 17	a 161.8	B-57-J-9 125.	Jan. 15	c 112.
B-37-L-7 154.4	Apr. 19	b		Feb. 15	c 113.
B-44-K-8 84.2	Jan. 31	a 104.0		Mar. 15	c 119.
	Feb. 27	a 104.0		Apr. 21	c 124.
	Mar. 31	a 104.1		May 15	c 122.
	Apr. 29	a 104.4		June 8	c 121.
	May 31	a 104.7		July 21	c 127.
	June 29	a 105.0		Aug. 16	c 126.
	Aug. 2	a 105.9		Sep. 24	c 124.
	Sep. 1	a 106.3		Oct. 8	c 129.
	Oct. 4	a 105.4		Nov. 16	c 124.
	Nov. 22	a 105.3		Dec. 16	c 120.
B-44a-K-8 77.7	Jan. 11	120.0	B-58d-K-9 125.6	Jan. 21	c 124.
	Feb. 8	118.9		Feb. 15	c 125.
	Mar. 9	133.9		Mar. 15	c 126.
	July 6	133.8		Apr. 15	c 127.
	Aug. 15	135.2			

a Meas. from D.W.R.

b Dry at 175 feet.

c Air gage meas. from Southern Calif. Water Co.
Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
B-58d-K-9 Cont.	May 15 a June 8 a July 16 a Aug. 16 a Sep. 24 a Oct. 24 a Nov. 8 a Dec. 16 a	138. 132. 137. 138. 138. 136. 131. 136.	B-70b-J-10 Cont.	June a July a Aug. a Sep. a Oct. a Nov. a Dec. a	202. 202. 205. 166. 166. 161. 166.
B-58e-K-9 127.3	Apr. 13 Nov. 30	123.7 129.8	B-72e-K-10 107.0	Jan. 26 Feb. 21 Mar. 14 Apr. 5 May 4 June 7 July 5 Aug. 1 Aug. 31 Oct. 4 Nov. 1 Dec. 7	35.0 34.8 35.2 36.2 38.2 29.1 40.1 40.5 40.6 40.8 40.0 38.9
B-64d-L-9 92.8	Jan. 7 b Feb. 18 b Mar. 11 b Apr. 1 b May 13 b June 3 b July 15 b Aug. 26 b Sep. 16 b Oct. 7 b Nov. 18 b Dec. 9 b	74.9 72.8 72.7 73.8 82.0 82.5 94.8 89.3 83.7 82.6 79.7 83.4	B-84-L-6 141.6	Apr. 13 Nov. 21	157.6 159.2
B-67-K-10 104.	Apr. 13 Nov. 30	45.2 47.6	B-90c-L-7 96.6	Jan. 5 a Feb. 28 a Nov. 1 a Nov. 30 a Dec. 31 a	125. 122. 126. 125. 125.
B-69-K-9 86.5	Jan. 7 b Feb. 18 b Mar. 11 b Apr. 1 b May 13 b June 3 b July 15 b Aug. 5 b Sep. 16 b Oct. 7 b Nov. 18 b Dec. 9 b	65.3 63.4 63.5 64.9 76.8 78.8 85.1 85.7 85.3 83.2 78.5 75.6	B-91-L-7 61.	Jan. 1 a Feb. 15 a Mar. 15 a Apr. 17 a May 15 a June 8 a July 16 a Aug. 30 a Sep. 24 a Oct. 16 a Nov. 16 a Dec. 16 a	100. 99. 100. 101. 104. 105. 106. 112. 108. 107. 105. 105.
B-70b-J-10 178.7	Jan. a Feb. a Mar. a Apr. a May a	153. 153. 153. 153. 202.	B-92d-L-8 75.5	Apr. 26	94.3

a Air gage meas. by owner from L.A. Co. F.C.D.

b Meas. by S.G.V.P.A. from L.A. Co. F.C.D.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
B-95-N-7 108.7	Apr. 26 Nov. 18 Dec. 7	a 130.4 134.5 a 134.4	B-106-L-8 55.0	Feb. 15 Mar. 15 Apr. 24 May 8 June 8 July 8 Aug. 16 Sep. 16 Oct. 16 Nov. 16 Dec. 16	b 104. b 107. b 108. b 111. b 108. b 110. b 125. b 124. b 124. b 120. b 120.
B-96-L-8 52.2	Jan. 3 Mar. 28 June 29 Aug. 1 Sep. 1 Oct. 5 Nov. 15	87.0 84.8 90.5 91.7 87.0 87.0 84.7			
B-100-N-8 82.	Jan. 11 Feb. 8 Mar. 9 Apr. 5 May 9 June 3 July 6 Aug. 2 Sep. 7 Oct. 10 Nov. 2 Dec. 13	a 106.0 a 109.2 a 109.5 a 113.8 a 109.8 a 110.2 a 111.0 a 112.1 a 111.2 a 112.8 a 112.0 a 113.6	B-106a-L-9 78.9	Apr. 25 Nov. 30 Dec. 14	a 103.8 106.7 a 106.3
			B-108-M-8 35.6	Jan. 3 Feb. 9 Feb. 28 June 30 Aug. 3 Sep. 7 Oct. 6 Nov. 16	65.0 64.8 64.6 67.5 68.0 68.3 68.3 68.2
B-101-L-8 45.	Nov. 14	26.1	B-109c-M-9 28.4	Jan. 7 Feb. 10 Mar. 4 June 30 Aug. 2 Sep. 6 Oct. 10 Nov. 16	41.4 41.2 40.1 *86.1 88.3 87.8 87.7 84.4
B-101b-L-8 45.4	Jan. 3 Aug. 1 Sep. 1 Oct. 15 Nov. 15 Dec. 6	71.8 77.3 78.0 79.1 75.6 a 76.8			
B-102-L-8 41.	Dec. 1	79.3	B-110b-N-9 44.8	Dec. 5	101.8
B-103b-L-8 58.0	Jan. 3 Feb. 9 Feb. 28 Mar. 28 June 29 Sep. 1 Oct. 6 Nov. 15	108.0 105.0 103.8 99.0 114.1 120.8 118.8 116.0	B-111-L-9 55.4	Jan. 4 Feb. 10 Mar. 4 Apr. 1 June 30 Aug. 2 Sep. 6 Oct. 6 Nov. 15	74.9 74.9 72.0 74.0 77.2 76.6 77.1 77.3 77.6

* Owner attributes water table drop to newly perforated casing.

a Meas. from L.A. Co. F.C.D.

b Air gage meas. by S.C.W.Co. from L.A.Co. F.C.D.

Measts. from D.W.R. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
B-112-L-9 43.1	Nov. 22	68.5	B-118-M-10 34.0	Jan. 20 c	32.6
				Apr. 20 c	33.6
				June 16 c	36.4
B-113-M-9 11.1	Jan. 7	63.6		July 7 c	35.7
	Feb. 10	62.3		Aug. 18 c	36.2
	Mar. 3	61.7		Sep. 8 c	35.4
	Apr. 1	62.0		Oct. 20 c	35.6
	June 30	75.3		Nov. 10 c	34.8
	Aug. 2	79.4		Dec. 1 c	34.9
	Sep. 6	76.6			
	Oct. 7	75.1	B-119-M-9 24.6	Jan. 7	51.4
	Nov. 29	72.6		Feb. 10	56.4
				Mar. 4	56.2
B-115a-N-9 40.	Feb. 28 a	87.0		Apr. 1	56.6
	May 10 a	85.0		June 30	55.3
	May 31 a	95.0		Sep. 6	55.0
	June 30 a	94.0		Oct. 6	56.8
	July 31 a	95.0		Nov. 16	54.3
	Sep. 1 a	93.0			
	Dec. 1 a	95.0	B-119q-M-10 24.6	Nov. 22 d	32.4
B-115g-N-9 35.0	Jan. 31 b	100.1		1933	
	Feb. 28 b	98.3			
	Mar. 31 b	98.8	B-120-N-10 *	Jan. 12 e	28.2
	May 31 b	109.1		Feb. 15 e	26.2
	June 30 b	113.4		Apr. 4 e	25.0
	Aug. 31 b	115.2		Dec. 27 d	25.9
	Sep. 30 b	114.2			
	Oct. 31 b	110.5		1934	
	Nov. 30 b	106.1			
	Dec. 31 b	101.3		Apr. 17 d	26.7
				Dec. 4 d	28.3
B-117-L-10 97.8	Jan. 4	100.4		1942	
	Feb. 10	101.0			
	Mar. 3	102.2		July 7 d	25.3
	Mar. 31	104.0			
	Apr. 29	102.0		1949	
	June 23	105.0			
	Aug. 2	110.5		Aug. 11	32.1
	Oct. 7	112.7		Dec. 5	28.3
	Nov. 10	110.7			

* Correction to all previous bulletins: R.P. elev. should be 6.4 to and including January 22, 1929; then 17.9 to and including December 4, 1934; then 20.9 to and including July 7, 1942; then 18.2, from levels by L.A.D.W.&P.

a Meas. from owner.

b Meas. by owner from L.A. Co. F.C.D.

c Meas. from L.B.W.D.

d Meas. from L.A. Co. F.C.D.

e Meas. from L.A.D.W. & P.

Measts from D.W.R. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
B-121b-L-10 66.6	Jan. 4	60.2	B-130e-N-8 184.0	Jan. 10	215.8
	Feb. 10	58.0		Mar. 30	213.9
	Mar. 2	60.0		Aug. 3	219.9
	Mar. 31	62.2		Sep. 7	218.9
	June 30	64.8		Oct. 7	226.6
	Aug. 2 a			Nov. 6	219.4
B-122-L-10 58.1	Jan. 4	25.9	B-132-N-8 71.2	Apr. 28 b	105.7
	Feb. 10	25.3		Nov. 29 b	107.3
	Mar. 2	25.0	B-134-N-9 39.	Apr. 25 be	
	Mar. 31	25.8		Dec. 7 be	
	Apr. 18 b	24.7	B-134c-N-9 27.0	Jan. 7	61.2
	Apr. 28	25.0		Mar. 30	61.0
	May 24	25.5		Aug. 3	70.6
	Oct. 5	32.9		Sep. 7	67.3
	Nov. 15	31.1		Oct. 10	67.5
	Nov. 21 b	26.2		Nov. 17	67.4
B-122f-L-10 *	Jan. 7 c	26.4	B-136-N-10 8.0	Jan. 21 d	13.2
	Mar. 11 c	24.8		Feb. 10 d	13.1
	Apr. 1 c	28.3		Mar. 4 d	13.2
	May 13 c	34.2		Apr. 20 d	13.4
	June 3 c	34.1		May 26 d	13.8
	July 15 c	39.7		June 16 d	14.2
	Sep. 16 c	40.4		July 7 d	14.0
	Oct. 7 c	38.2		Aug. 18 d	14.5
	Dec. 9 c	33.3		Sep. 8 d	14.4
B-123e-M-10 42.7	Jan. 16 b	28.7		Oct. 20 d	13.9
				Nov. 10 d	14.0
B-129-L-10 58.1	May 9 b	43.5		Dec. 22 d	14.2
	Nov. 21 b	50.0	B-136d-N-10 7.0	Jan. 20 d	12.4
B-129b-M-10 37.4	Jan. 20 d	39.5		Mar. 4 d	12.6
	Mar. 14 d	39.6		Apr. 20 d	12.3
	Apr. 20 d	43.4		May 5 d	13.2
	May 5 d	45.6		June 16 d	13.3
	June 16 d	50.1		July 7 d	12.2
	Aug. 18 d	53.6		Aug. 18 d	13.0
	Sep. 8 d	54.7		Sep. 8 d	11.9
	Oct. 20 d	51.8		Oct. 20 d	12.9
	Nov. 10 d	50.7		Nov. 10 d	12.7
	Dec. 1 d	49.7		Dec. 1 d	12.8

* R.P. elev. 62.5 feet until March 10, 1949; then 61.6 feet.

a Well destroyed.

b Meas. from L.A. Co. F.C.D.

c Meas. by S.G.V.P.A. from L.A.Co.F.C.D.

d Meas. by L.B.W.D. from L.A.Co.F.C.D.

e Dry at 70.9 ft.

Measts. from D.W.R. except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "C"



Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-1c-E-11 1172.4	Jan. 31	a 197.0	C-7-E-11 Cont.	Apr. 11	b 156.0
	Mar. 3	a 195.2		May 4	156.1
	Mar. 29	a 193.9		June 6	157.0
	Apr. 15	b 195.5		July 11	159.6
	May 4	a 197.3		Aug. 2	162.0
	June 23	a 203.9		Sep. 6	165.1
	Oct. 7	a 213.0		Nov. 2	168.0
	Nov. 30	b 211.8		Dec. 5	b 169.2
	Dec. 30	a 208.7			
C-1k-D-10 1273.3	Nov. 29	b 296.6	C-10-E-11 1046.6	Jan. 6	100.2
				Feb. 2	100.0
				Mar. 8	99.0
C-3-E-11 1202.1	Jan. 31	c 252.		Apr. 11	b 97.3
	Mar. 31	c 250.		May 4	96.7
	Apr. 14	b 248.5		June 4	96.6
	Apr. 30	c 251.		July 11	97.8
	May 31	c 252.		Aug. 2	99.2
	June 30	c 254.		Sep. 6	101.4
	Sep. 1	c 261.		Nov. 2	105.4
	Sep. 30	c 265.		Dec. 5	b 106.9
	Oct. 31	c 265.	C-11-E-11 1188.5	Apr. 4	c 255.5
	Nov. 30	c 264.		Apr. 19	b 268.1
	Dec. 1	b 263.5		June 17	c 266.0
	Dec. 31	c 262.		Aug. 14	c 269.5
				Oct. 8	c 266.8
C-5-E-11 1070.6	Jan. 6	117.6		Nov. 24	c 267.2
	Feb. 2	115.6		Nov. 29	b 266.0
	Mar. 8	112.2			
	Apr. 11	b 113.0	C-12-E-11 1134.2	Jan. 31	c 194.
	May 4	113.4		Mar. 31	c 192.
	June 6	115.4		Apr. 18	b 198.9
	June 14	d 116.2		Apr. 30	c 198.
	July 11	118.7		May 31	c 198.
	Aug. 2	d 121.6		June 30	c 204.
	Oct. 3	d 127.2		July 31	c 215.
	Nov. 2	d 128.2		Aug. 31	c 210.
	Dec. 5	bd 128.5		Sep. 30	c 208.
				Oct. 31	c 204.
C-7-E-11 1109.7	Jan. 6	161.0		Nov. 30	c 205.
	Feb. 2	159.8		Dec. 1	b 205.6
	Mar. 8	157.9		Dec. 31	c 198.

a Meas. from owner.

b Meas. from D.W.R.

c Air gage meas. from owner.

d Pumping nearby.

Measts. from P.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-16-F-11 916.5	Jan. 4	252.4	C-44-F-12 Cont.	Sep. 2	319.7
	Feb. 2	250.0		Oct. 3	321.8
	Mar. 8	248.1		Nov. 3	320.0
	Apr. 12 a	249.1		Dec. 5 a	318.5
	May 4	247.3			
	June 1	250.3	C-47-F-12 698.8	Apr. 14 a	151.0
	July 10	254.4		Dec. 2 a	151.4
	Aug. 1	257.0			
	Sep. 2	256.5	C-49-F-12 720.0	Jan. 1 b	170.7
	Oct. 3	257.4		Feb. 1 b	168.6
	Nov. 3	256.7		Mar. 1 b	166.7
	Dec. 5 a	255.4		Apr. 1 b	166.0
				Apr. 13 a	173.3
C-22-F-11 *	Jan. 4	232.8		May 1 b	166.0
	Feb. 2	231.8		June 1 b	167.3
	Mar. 8	230.7		July 1 b	171.3
	Apr. 11 a	230.1		Aug. 1 b	173.0
	May 4	230.2		Sep. 1 b	175.4
	June 6	233.4		Oct. 1 b	171.9
	July 6	236.0		Nov. 1 b	170.7
	Aug. 1	235.8		Dec. 1 b	168.6
	Sep. 2	238.8		Dec. 6 a	169.3
	Oct. 3	238.5			
	Nov. 3	238.5	C-52a-F-12 791.2	Jan. 4	234.9
	Dec. 5 a	238.1		Feb. 9	233.4
				Mar. 8	231.8
C-31a-F-11 774.4	Jan. 9 a	134.8		Apr. 11 a	230.9
	Apr. 24 a	128.3		May 4	230.0
	June 6 a	128.1		June 6	232.8
	Dec. 11 a	128.6		July 10	237.3
				Aug. 1	235.3
C-41-E-12 893.3	Dec. 14 a	143.8		Sep. 2	235.5
				Oct. 4	235.7
				Nov. 3	236.6
				Dec. 5 a	232.7
C-42-E-12 **865.6	Apr. 15 a	304.6			
	Dec. 1 a	306.9			
			C-55-F-12 736.3	Jan. 31 b	176.6
C-44-F-12 879.0	Jan. 10	320.1		Feb. 28 b	175.6
	Feb. 2	319.0		Mar. 31 b	174.6
	Mar. 8	316.6		Apr. 20 a	174.2
	Apr. 11 a	316.3		Apr. 30 b	173.8
	May 4	315.5		May 31 b	176.6
	June 6	316.6		June 30 b	180.0
	July 10	319.0		July 31 b	178.6
	Aug. 1	317.8		Aug. 31 b	179.3

* R.P. elev. 897.2 to and including April 11, 1949; then 897.9.

** New elev.; R.P. changed.

a Meas. from D.W.R.

b Air gage meas. from owner.

Measts. from P.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-55-F-12 Cont.	Sep. 30	a 178.9	C-101-F-13 603.0	Jan. 4	ac 105.
	Oct. 31	a 179.0		Feb. 1	ac 101.
	Nov. 30	g 177.6		Mar. 7	ac 98.
	Dec. 6	b 175.6		Apr. 5	ac 96.5
				Apr. 20	b 91.5
C-62-F-12 673.6	Jan. 1	a 101.0		July 4	a 121.9
	Jan. 31	a 101.0		Aug. 4	a 139.0
	Mar. 1	a 102.5		Aug. 25	a 140.6
	Apr. 1	a 95.0		Oct. 29	a 127.2
	Apr. 13	b 94.2		Dec. 3	a 118.1
	May 1	a 98.0		Dec. 7	b 116.3
	June 1	a 93.0			
	July 1	a 98.5	C-102-F-14 ***	Jan. 18	d 20.2
	Aug. 1	a 98.5		Feb. 17	d 17.4
	Oct. 3	a 106.0		Apr. 19	b 17.6
	Nov. 1	a 98.0		Nov. 16	d 20.6
	Nov. 29	b 94.9		Dec. 2	b 20.3
	Dec. 1	a 98.5			
	Dec. 31	a 96.0	C-103-F-13 627.5	Apr. 26	b 95.4
C-74-F-12 *	Apr. 11	b 126.8		Dec. 1	b 85.9
	Dec. 6	b 128.8	C-108-F-12 708.4	Apr. 19	b 145.6
C-76-F-12 665.8	Apr. 14	b 121.9		Nov. 30	b 152.7
	Dec. 2	b 122.7	C-111-F-11 776.3	Jan. 4	165.3
C-82a-F-13 592.1	Jan. 4	55.2		Mar. 8	162.4
	Feb. 9	50.8		Apr. 11	b 161.2
	Mar. 8	49.8		May 4	160.5
	Apr. 11	b 51.1		June 6	162.9
	May 4	50.8		July 11	165.9
	June 6	56.4		Sep. 7	168.6
	July 12	58.0		Oct. 3	168.7
	Aug. 2	58.0		Nov. 2	167.6
	Sep. 7	60.5		Dec. 5	b 164.8
	Oct. 4	56.8	C-115-E-12 ***1105.	Apr. 26	b 47.1
	Dec. 5	b 51.1		Dec. 1	b 53.2

* Correction: Beginning December 4, 1944, R.P. elev. should be 675.7 to and including April 11, 1949; then 676.0.

** R.P. elev. 594.2 to and including February 16, 1949; then 594.0.

*** Correction to all previous bulletins: R.P. elev. should be as shown, from U.S.G.S. topog. map by D.W.R.

a Meas. from owner.

b Meas. from D.W.R.

c Air gage meas.

d Meas. from L.A. Co. F.C.D.

Measts. from P.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-119-F-12 *662.5	Jan. 1	a 109.	C-200-F-13 Cont.	Aug. 12	194.9
	Feb. 1	a 108.		Sep. 2	195.4
	Mar. 1	a 106.		Sep. 23	196.1
	Apr. 1	a 105.		Oct. 14	196.9
	Apr. 14	b 104.5		Nov. 4	197.4
	May 1	a 104.		Dec. 14	198.3
	June 1	a 105.	C-201-G-12	Jan. 1	a 262.2
	July 1	a 110.		Feb. 1	a 262.
	Aug. 1	a 112.	***	Mar. 1	a 260.
	Oct. 1	a 110.		May 1	a 260.
	Nov. 1	a 111.		June 1	a 267.
	Dec. 1	a 108.		July 1	a 265.
	Dec. 6	b 106.3		Aug. 1	a 267.
C-130-F-13 677.0	Jan. 31	a 169.7		Sep. 1	a 270.
	Feb. 28	a 166.0		Oct. 1	a 275.
	Mar. 31	a 163.2		Nov. 1	a 275.
	Apr. 20	b 165.8		Dec. 1	a 270.
	Apr. 30	a 170.0	C-204-G-12 478.9	Jan. 4	236.3
	May 31	a 179.8		Feb. 25	235.4
	June 30	a 193.2		Apr. 8	235.4
	Aug. 31	a 206.0		Apr. 29	236.6
	Sep. 30	a 206.3		May 20	238.8
	Oct. 31	a 203.2		July 22	239.0
	Nov. 30	a 194.5		Aug. 12	244.9
	Dec. 7	b 193.5		Sep. 2	246.2
	Dec. 31	a 187.3		Oct. 14	246.9
C-200-F-13 **	Jan. 14	189.0		Nov. 4	246.8
	Feb. 4	189.2		Dec. 16	246.6
	Feb. 25	189.6	C-206-G-12 534.6	Jan. 1	a 295.
	Mar. 18	190.1		Jan. 14	296.8
	Apr. 8	190.6		Jan. 31	a 295.
	Apr. 29	190.8		Mar. 1	a 296.
	May 20	191.4		Apr. 1	a 292.
	July 1	193.2		May 1	a 292.
	July 22	193.7			

* New elev.; R.P. changed.

** R.P. elev. 481.9 to and including June 10, 1949; then 482.2.

***Correction to all previous bulletins: R.P. elev. should be 507.7 (air gage) to and including January 2, 1931; then 506.5 to and including December 29, 1931; then 507.7 (air gage) to and including December 1, 1934; then 504.0 to and including June 9, 1944; then 507.7 (air gage); from levels by City of Pasadena

a Air gage meas. from owner

b Meas. from D.W.R.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-206-G-12 Cont.	May 20	298.3	C-224-G-13 314.5	Jan. 1 d	41.3
	June 1 a	296.3		Feb. 1 d	41.3
	July 1 ab	296.		Apr. 1 d	41.5
	Aug. 1 ab	300.		May 1 d	42.0
	Sep. 1 ab	302.		June 1 d	42.5
	Oct. 3 ab	297.		July 1 d	46.0
	Nov. 1 ab	298		Aug. 1 d	45.0
	Dec. 1 ab	300.		Sep. 1 d	45.0
	Dec. 16	303.8		Oct. 1 d	45.1
	Dec. 31 ab	302.		Nov. 1 d	46.0
				Dec. 1 a	46.6
C-211m-G-11 428.5	Oct. 1 c	15.1	C-230a-H-13 278.3	Jan. 14	18.3
C-212-H-12 283.0	Jan. 18	26.9		Feb. 3	17.9
	Feb. 4	26.9		Mar. 18	17.8
	Feb. 25	27.0		Apr. 8	18.3
	Apr. 8	27.2		May 20	18.8
	Apr. 29	27.3		June 10	19.5
	June 10	27.5		July 21	20.9
	July 22	27.7		Aug. 11	21.2
	Aug. 12	27.9		Sep. 23	21.8
	Sep. 2	28.0		Nov. 4	22.6
	Sep. 23	28.2		Dec. 16	22.5
	Nov. 4	28.6	C-234-H-13 242.6	Jan. 5	7.0
	Nov. 25	28.8		Feb. 2	6.4
	Dec. 16	29.0		Mar. 2	6.4
C-214-G-13 371.4	Apr. 20 c	84.8		Apr. 6	6.6
	Apr. 27 c	85.2		June 1	7.5
	June 10 c	87.4		July 6	8.3
C-223-G-13 306.2	Jan. 14	30.0		Sep. 7	8.8
	Feb. 2	30.2		Oct. 5	8.9
	Mar. 18	30.8		Nov. 2	9.3
	Apr. 8	31.5	C-237w-H-13 240.	Dec. 7	8.9
	May 20	32.1		Jan. 5	6.6
	June 10	33.0		Feb. 2	6.2
	July 22	34.5		Mar. 2	6.2
	Aug. 11	35.0		Apr. 6	6.5
	Sep. 2	35.7		June 1	7.7
	Oct. 13	37.2		July 6	8.7
	Nov. 4	37.5		Aug. 3	9.2
	Dec. 16	38.6		Sep. 7	9.9
				Oct. 5	10.1
				Nov. 2	10.6
				Dec. 7	10.1

a Meas. from owner.

b Air gage meas.

c Meas. from L.A. Co. F.C.D.

d Meas. by owner from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-239-H-13 228.	Jan. 14	12.2	C-243-F-14 414.5	Jan. 14	135.9
	Feb. 3	12.2		Feb. 5	136.1
	Mar. 18	12.3		Apr. 8	136.7
	May 20	12.9		May 20	138.1
	June 9	13.9		June 10	139.0
	July 1	13.8		July 1	140.2
	Aug. 11	14.6		Sep. 2	143.9
	Sep. 2	14.2		Oct. 14	145.8
	Oct. 13	14.4		Nov. 3	146.7
	Nov. 4	14.2		Dec. 16	147.3
	Dec. 16	13.6			
C-240q-I-13 213.0	Jan. 5	4.2	C-243b-F-14 797.2	Feb. 9 a	47.3
	Feb. 2	4.0		Apr. 12 ab	42.0
	Mar. 2	4.0		Nov. 16 a	49.6
	Apr. 6	4.5			
	June 1	5.8	C-243d-F-14 699.5	Jan. 14	135.5
	July 6	6.1		Feb. 5	120.5
	Aug. 3	6.3		Apr. 8	120.2
	Sep. 7	6.4		July 22	129.6
	Oct. 5	6.0		Nov. 17	127.4
	Nov. 2	5.2		Dec. 16	126.3
	Dec. 7	4.9			
C-241-F-14 416.6	Jan. 14	131.0	C-249-G-14 334.8	Jan. 5	61.7
	Feb. 4	131.4		Feb. 2	61.7
	Feb. 25	131.9		Apr. 6	62.2
	Apr. 8	132.9		May 4	63.2
	Apr. 29	133.4		June 1	64.5
	June 10	136.4		Aug. 3	68.1
	July 1	137.6		Sep. 7	70.1
	July 22	139.7		Oct. 5	71.4
	Sep. 2	138.7		Nov. 2	72.4
	Sep. 23	139.6		Dec. 7	72.9
	Nov. 4	141.2	C-251h-G-14 314.	Jan. 14	46.4
	Nov. 25	142.3		Feb. 2	46.3
C-242-F-14 404.5	Jan. 14	125.5	C-259-H-14 292.0	Jan. 18	25.2
	Feb. 5	126.2		Mar. 17	24.4
	Mar. 18	126.6		Apr. 7	25.2
	May 20	127.6		June 9	28.8
	June 10	130.2		July 21	31.3
	July 7	134.0		Aug. 11	32.4
	Aug. 18	148.6		Sep. 1	34.2
	Sep. 2	148.8		Oct. 13	35.6
	Nov. 25	145.4		Nov. 3	36.4
	Dec. 16	137.2		Dec. 15	35.2

a Meas. from L.A. Co. F.C.D.

b Pumping nearby.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-262-H-14 320.1	Jan. 18	47.6	C-282-F-14	Feb. 25	185.5
	Feb. 2	45.9	Cont.		
	Mar. 17	45.8			
	Apr. 7	45.8	C-283-G-15	Jan. 5	177.9
	May 19	48.4	456.6	Mar. 30	177.8
	June 9	50.3		May 4	178.9
	July 21	52.9		June 1	180.4
	Sep. 1	55.9		July 6	182.8
	Oct. 13	58.0		Aug. 3	184.8
	Nov. 3	58.4		Sep. 7	187.2
	Dec. 15	57.8		Oct. 5	188.8
				Nov. 2	189.8
C-266-H-14 294.5	Jan. 13	16.7		Nov. 23	190.1
	Feb. 3	16.3		Dec. 7	190.0
	Mar. 17	16.1			
	Apr. 7	18.6	C-285-F-16	Feb. 5	66.9
	May 19	23.8	686.0	Feb. 25	62.9
	June 9	24.6		Mar. 18	58.4
	July 21	29.5		Apr. 8	61.3
	Nov. 26	25.9		May 20	72.3
	Dec. 15	25.6		June 10	76.3
				Nov. 4	99.9
C-278-F-15 635.1	Jan. 14	50.3		Dec. 16	73.2
	Feb. 5	36.9			
	Feb. 25	30.0	C-291-G-14	Jan. 13	95.2
	Mar. 18	27.6	371.5	Mar. 17	95.0
	Apr. 8	28.2		Apr. 7	95.3
	Apr. 29	30.8		May 19	96.9
	June 10	35.0		June 9	98.0
	June 30	36.8		July 21	100.9
	Sep. 2	43.8		Aug. 11	102.3
	Sep. 23	46.2		Sep. 1	103.6
	Nov. 4	48.1		Oct. 13	105.8
	Nov. 25	45.4		Nov. 3	106.6
				Dec. 15	106.8
C-280-F-15 591.2	Jan. 15	120.7			
	Feb. 5	126.2	C-294a-G-15	Jan. 5	109.2
	Feb. 25	121.2	387.7	Mar. 2	108.9
	Mar. 18	84.0		Mar. 23	108.8
	Apr. 8	56.4		Apr. 6	109.1
	Apr. 29	50.2		May 4	110.4
	June 30	59.8		June 1	111.9
	Sep. 2	82.1		July 6	114.5
	Nov. 4	104.3		Aug. 3	116.6
	Dec. 16	114.3		Sep. 7	118.9
				Oct. 5	120.4
C-282-F-14	Jan. 14	185.1		Nov. 9	121.6
465.4	Feb. 5	185.6		Dec. 7	121.1

Measts. by S.G.V.P.A. from L.A. Co. F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-295-G-15	Jan. 12	111.9	C-309-H-15	Mar. 17	39.1
*	Feb. 2	111.7	Cont.	Apr. 7	40.3
	Feb. 23	111.6		May 19	43.0
	Apr. 6	111.8		June 9	45.3
	June 8	126.2			
	June 29	126.2	C-312-H-15	Jan. 13	57.0
	July 20	135.8	342.3	Feb. 3	56.6
				Feb. 24	56.5
C-296-G-15	Jan. 7	140.4		Apr. 7	58.6
424.7	Feb. 2	140.0		Apr. 28	62.8
	Mar. 16	139.7		June 9	67.9
	Apr. 6	140.2		June 30	73.4
	Apr. 14	140.3		July 21	73.2
	May 18	143.1		Sep. 1	75.9
	June 29	146.1		Sep. 22	77.1
	Aug. 10	150.0		Nov. 3	72.1
	Sep. 30	153.1		Nov. 22	68.7
	Nov. 2	153.9			
	Dec. 14	152.9	C-316-I-15	Jan. 13	8.3
			309.2	Mar. 17	7.6
C-300-H-15	Jan. 5	119.3		Apr. 7	7.6
407.2	Feb. 2	119.3		June 19	11.0
	Apr. 6	119.7		July 21	13.3
	May 4	120.7		Aug. 11	14.9
	June 1	122.3		Sep. 1	15.2
	July 6	124.7		Oct. 13	15.2
	Aug. 3	126.6		Nov. 3	15.0
	Sep. 7	129.0		Dec. 15	12.3
	Oct. 5	130.7			
	Nov. 2	131.7	C-317-I-15	Jan. 13	25.4
	Dec. 7	131.9	331.0	Feb. 3	22.5
				Feb. 24	22.3
C-307-H-15	Jan. 12	75.0		Mar. 17	24.6
357.4	Feb. 24	75.4		June 9	26.1
	Mar. 16	75.4		June 30	26.8
	Apr. 7	77.4		July 21	28.0
	Apr. 27	77.2		Sep. 1	29.1
	June 8	80.6		Sep. 22	28.0
	June 29	80.8		Oct. 13	22.0
	July 21	82.7		Nov. 3	24.5
	Aug. 30	85.9		Dec. 15	28.4
	Sep. 22	87.1			
	Nov. 3	88.2	C-320-F-16	Jan. 6 a	28.6
	Nov. 22	87.3	756.3	Feb. 3 a	28.8
	Dec. 15	87.1		Feb. 24 a	31.6
				Mar. 24 a	28.9
C-309-H-15	Jan. 13	39.2		Mar. 29 a	30.5
320.3	Feb. 3	39.0		May 12 a	14.6

* R.P. elev. 392.7 to and including May 18, 1949; then 401.4.

a Meas. from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-320-F-16 Cont.	June 2 a	22.6	C-334-F-16 Cont.	June 1	110.0
	June 30 a	32.7		June 30	113.2
	Aug. 4 a	40.5		Sep. 1	117.7
	Sep. 1 a	43.9		Oct. 1	120.3
	Oct. 27 a	46.6		Nov. 1	122.0
	Dec. 1 a	43.4		Nov. 21	125.5
				Dec. 1	123.7
C-322-F-16 694.6	Jan. 10	105.8	C-335-G-16 538.2	Jan. 3	248.8
	Jan. 20	96.2		Feb. 24	248.5
	Feb. 3	66.9		Mar. 17	249.4
	Mar. 17	60.5		Apr. 7	249.0
	Apr. 28	77.6		Apr. 28	249.4
	June 9	90.6		June 9	254.6
	Aug. 1	104.2		June 30	257.0
	Sep. 22	118.4		July 21	258.9
	Nov. 10	121.3		Sep. 1	263.9
	Nov. 21	111.5		Sep. 22	264.4
	Dec. 1	85.9		Oct. 13	265.5
C-323-F-16 693.3	Jan. 6 a	115.9		Nov. 3	263.9
	Feb. 3 a	66.6		Nov. 22	262.8
	Mar. 17 a	62.8	C-337-G-16 657.0	Jan. 13	260.3
	Mar. 31 a	64.6		Feb. 3	261.4
	Apr. 28 a	85.5		Mar. 17	263.1
	June 2 a	98.0		June 9	266.0
	Aug. 4 a	116.8		June 30	267.5
	Sep. 29 a	131.0		July 21	267.8
	Oct. 27 a	135.2		Aug. 11	268.7
	Nov. 17 a	132.6		Sep. 22	269.8
	Dec. 1 a	85.0		Nov. 3	271.3
				Nov. 22	271.2
C-328-F-16 671.4	Feb. 24	97.6		Dec. 15	272.8
	Mar. 17	88.7	C-338-G-16 535.0	Feb. 3	218.2
	Apr. 7	87.0		Apr. 28	225.9
	Apr. 28	94.4		May 19	223.4
	June 9	110.0		July 21	227.9
	June 30	115.7		Sep. 22	232.2
	Aug. 11	129.4		Nov. 22	233.1
	Dec. 15	118.4			
			C-343-H-16 477.9	Jan. 5	165.9
C-334-F-16 631.0	Jan. 10	113.8		Feb. 2	163.5
	Jan. 31	114.0		Mar. 2	163.4
	Mar. 1	111.3		Apr. 6	163.6
	Apr. 1	107.9		May 4	172.6
	Apr. 28	106.1		June 1	174.0
				July 6	178.2

a Meas. from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-343-H-16 Cont.	Oct. 5 Nov. 2 Dec. 7	184.3 182.9 178.8	C-367-F-15 Cont.	Sep. 21 Nov. 2 Nov. 23 Dec. 14	277.8 280.3 280.4 280.2
C-360-G-16 462.4	Jan. 5 Feb. 2 Mar. 2 Apr. 6 May 4 June 1 July 6 Aug. 3 Sep. 7 Oct. 5 Nov. 2 Dec. 7	173.4 172.9 172.9 173.2 177.2 179.3 182.9 185.9 189.4 190.5 190.2 189.1	C-376-G-11 532.0	Jan. 14 Mar. 18 Apr. 8 May 20 June 10 Sep. 2 Oct. 14 Nov. 4 Dec. 16	261.9 262.0 262.1 262.3 262.3 262.8 263.0 263.1 262.9
C-362-G-15 499.3	Jan. 13 Feb. 2 Apr. 7 Apr. 28 May 19 June 9 June 30 Aug. 11 Sep. 1 Oct. 13 Nov. 22 Dec. 15	216.7 216.4 216.5 217.1 219.6 219.9 221.7 225.3 226.9 229.5 230.2 233.0	C-383c-I-13 219.4	Apr. 25 a Nov. 21 a	12.7 12.5
C-366-F-15 *	Jan. 12 Feb. 2 Mar. 16 Apr. 27 May 18 June 8 June 29 July 20 Aug. 10	266.2 266.3 269.7 269.9 270.8 271.6 273.0 274.6 276.2	C-401-F-16 882.	Apr. 12 a Nov. 16 a	171.0 185.3
C-367-F-15 548.9	Jan. 12 Apr. 6 Apr. 27 June 8 June 29 July 20 Aug. 10	267.6 267.7 268.0 269.8 271.3 272.9 274.7	C-401c-F-16 704.7	Jan. 13 Feb. 24 Apr. 7 June 9 July 21 Aug. 11 Sep. 1 Oct. 13 Nov. 22 Dec. 15	249.6 250.5 251.2 253.0 255.8 255.3 255.6 256.9 258.2 258.6
			C-404a-F-17 1115.0	Jan. 26 a Feb. 16 a May 25 a July 27 a Oct. 20 a Nov. 15 a Dec. 15 a	163.0 162.0 151.0 169.0 157.2 150.9 149.9
			C-405-F-17 950.	Jan. b Feb. b Apr. 1 b May 10 b June 1 b July 1 b Aug. 1 b	415.8 415.3 418. 420. 421. 429. 430.2

* R.P. elev. 547.7 to and including February 2, 1949; then 551.2.

a Meas. from L.A. Co. F.C.D.

b Meas. by owner from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-405-F-17 Cont.	Sep. 1 Oct. 1 Nov. 1 Dec. 1	a 434.0 a 434.0 a 435.0 a 432.6	C-514-G-18 971.0	Jan. 6 Feb. 3 Apr. 8 May 4 June 1 June 29 Aug. 3 Aug. 31 Oct. 5 Oct. 27 Nov. 10 Dec. 2	104.4 97.0 89.8 117.6 124.7 141.5 149.4 155.0 161.6 162.0 163.5 138.8
C-426a-F-17 896.	Apr. 12 Nov. 16	88.2 93.4			
C-432-G-17 739.9	Apr. 18 Nov. 18	71.8 65.5			
C-444b-G-17 741.0	Jan. 6 Feb. 3 Apr. 12 May 16 July 5 Sep. 7 Oct. 5 Nov. 2 Nov. 15 Dec. 21	196.6 195.8 195.0 200.0 202.5 203.5 205.3 205.8 201.6 199.8	C-522-G-18 930.	Dec. 7	70.4
			C-522a-G-17 906.6	Apr. 8 May 16 July 5 Sep. 21 Nov. 18	86.2 92.2 92.7 93.5 88.3
C-446a-G-17 880.6	Jan. 19 Feb. 7 Mar. 16 Apr. 18 May 9 June 8 July 5 Aug. 3 Sep. 7 Oct. 5 Nov. 2 Dec. 21	93.0 93.2 94.0 94.2 94.5 94.5 94.1 93.8 93.1 92.8 92.5 92.5	C-595-G-19 1134.3	Apr. 25 Dec. 7	167.0 172.5
			C-603b-G-19 1092.8	Apr. 11 Nov. 30	297.0 385.9
			C-611-G-19 1044.0	Apr. 13 Nov. 22	264.4 307.0
			C-612a-G-18 1018.	Apr. 13 Nov. 16	160.2 165.7
C-446e-G-18 934.4	Apr. 18 Nov. 15	185.9 189.7	C-649-G-19 *	Jan. 27 Feb. 28 Mar. 22 Apr. 13 June 23 July 5 Aug. 3 Sep. 29	261.8 259.5 256.0 253.8 264.8 266.0 269.9 b
C-453-G-17 531.1	May 5 Nov. 18	110.0 119.2			
C-500-G-18 1029.0	Mar. 9 Apr. 12 Nov. 15	141.1 135.8 162.4			
C-512b-G-18 983.	Apr. 12 Nov. 15	85.1 93.8	C-655q-F-19 1530.9	Apr. 11 Nov. 22	37.6 44.3

* R.P. elev. 1030.0 to and including April 13, 1949; then 1030.3.

a Meas. by owner from L.A.Co. F.C.D.

b Dry at 227 feet.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. ELEV.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-656h-F-20 1831.0	Apr. 11 Nov. 22	33.8 35.2	C-670h-H-19 Cont.	May 18 June 8 July 5 Aug. 3 Sep. 28 Oct. 26	104.0 114.9 121.8 128.0 133.2 134.0
C-656i-F-20 2067.	Apr. 11 Nov. 22	23.0 24.8		Nov. 22 Dec. 28	128.1 118.8
C-658-G-20 1482.0	Jan. 3 Feb. 7 Mar. 7 Apr. 18 May 23 Nov. 14 Dec. 5	a 186.0 a 183.2 a 180.8 a 181.7 a 185.5 a 247.3 a 202.9	C-673-H-19 901.	Dec. 22	c 210.9
C-659i-G-20 1511.8	Jan. 27 Feb. 24 Mar. 22 Apr. 13 July 5 Nov. 22 Dec. 29	205.4 203.3 202.0 219.0 232.0 220.2 219.0	C-676c-H-18 815.	Apr. 20 Nov. 23	157.2 163.6
C-660c-G-19 1319.4	Jan. 27 Feb. 24 Mar. 22 Apr. 20 Nov. 30 Dec. 21	159.0 145.6 139.0 145.2 196.0 192.8	C-678k-H-19 **807.8	Jan. 4 Apr. 6 Apr. 20 Nov. 30 Dec. 22	c 114.9 c 113.0 111.0 114.0 c 116.7
C-664-G-20 1301.5	Apr. 11 June 8 July 31 Aug. 16 Sep. 24 Oct. 31 Nov. 16 Dec. 31	269.2 b 353. b 345. b 319. b 318. b 316. b 315. b 314.	C-701c-I-17 523.3	Feb. 2 Mar. 9 Apr. 19 May 18 June 22 July 27 Aug. 8 Sep. 27 Oct. 27 Nov. 23 Dec. 28	34.0 31.8 30.2 34.6 38.2 41.0 42.0 45.0 44.2 43.2 30.8
C-666-G-19 1114.	Apr. 13 Dec. 12	174.5 207.0	C-703-H-18 774.	Apr. 19 Nov. 23	120.9 128.9
C-670h-H-19 *950.0	Jan. 27 Feb. 28 Mar. 22	90.8 87.9 86.9	C-705a-I-17 606.5	May 27 Nov. 23	28.8 32.7
			C-707-I-17 455.	Apr. 19 Nov. 23	11.8 15.1
			C-708-I-15 374.	Apr. 19 Nov. 23	45.8 54.2

* Correction: Beginning February 18, 1947, R.P. elevation should be 950.0.

** Correction: Beginning April 11, 1932, R.P. Elevation should be 807.8.

a Meas. from owner.

b Air gage meas. by S.C.W.Co. from L.A.Co.F.C.D.

c Meas. from S.B. Co. F.C.D.

Measts. from L.A. Co. F.C.D: except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
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1949

1949

C-803g-I-12	Jan. 5	43.7
183.	Feb. 2	41.3
	Mar. 2	39.8
	Apr. 6	39.0
	May 4	41.2
	June 1	43.4
	July 6	46.5
	Aug. 3	49.1
	Sep. 7	51.6
	Oct. 5	52.9
	Nov. 2	53.8
	Dec. 7	53.3

C-804q-I-13	May 2	a 27.4
230.5	Nov. 21	a 27.2

C-807-I-12	Jan. 27	78.0
212.	Feb. 17	78.5
	Mar. 10	b

C-808-I-12	Jan. 6	86.8
191.	Jan. 27	87.4
	Mar. 10	87.3
	Mar. 31	87.3
	Apr. 21	87.6
	May 12	89.4
	June 2	89.5
	June 23	90.0
	Aug. 25	94.0
	Sep. 15	95.3

C-811a-I-11	Jan. 6	95.2
152.1	Feb. 17	95.9
	Mar. 10	94.0
	Apr. 21	98.3
	May 12	101.3
	June 2	104.0
	July 14	109.2
	Aug. 4	110.4
	Sep. 15	110.2
	Nov. 17	110.6
	Dec. 9	108.7

C-812-I-11	Jan. 6	77.0
143.4	Feb. 17	76.7

C-812-I-11	Mar. 16	76.2
Cont.	Apr. 21	76.8
	May 12	80.9
	July 14	85.8
	Aug. 25	93.6
	Sep. 15	89.9
	Oct. 6	90.6
	Nov. 17	91.6
	Dec. 9	90.6

C-825g-J-12	Apr. 11	a 47.3
135.5	Nov. 15	a 57.5

C-829j-J-11	Jan. 2	c 46.6
127.7	Feb. 5	c 46.8
	Apr. 3	c 47.3
	May 1	c 48.2
	June 11	c 49.6
	July 2	c 50.5
	Aug. 1	c 51.8
	Sep. 5	c 53.1
	Oct. 2	c 54.1
	Nov. 6	c 55.2
	Dec. 3	c 55.7

C-832-J-11	Nov. 15	a 102.0
*152.4		

C-848-K-12	Jan. 3	40.0
110.0	Feb. 7	38.6
	Mar. 7	38.8
	Apr. 4	40.0
	May 2	42.7
	June 6	44.2
	July 4	45.8
	Aug. 1	46.9
	Sep. 5	48.3
	Oct. 3	49.0
	Nov. 7	49.5
	Nov. 21	49.5

C-853-K-13	Jan. 6	50.3
110.	Feb. 17	49.0
	Mar. 10	49.5
	Apr. 21	58.0

* New elevation; R. P. change.
a Meas. from L.A. Co. F.C.D.
b Dry.
c Meas. by owner from L.A. Co. F.C.D.
Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
MAY 1949			MAY 1949		
C-853-K-13	June 2	58.3	C-858-L-13	Apr. 12	b 45.4
Cont.	Sep. 15	62.7	76.2	Apr. 29	a 49.8
	Oct. 6	66.0		May 31	a 51.9
	Nov. 17	60.1		June 28	a 57.4
	Dec. 8	59.5		July 27	a 60.8
C-853a-K-13	Jan. 6	68.1		Aug. 30	a 61.5
126.2	Feb. 17	67.4		Sep. 22	a 55.8
	Mar. 31	67.7		Oct. 26	a 53.4
	Apr. 21	69.4		Nov. 21	b 48.5
	May 12	70.0		Nov. 25	a 46.0
	June 2	70.6		Dec. 22	a 41.2
	July 14	72.8	C-861-L-12	Jan. 6	32.0
	Aug. 4	74.1		Jan. 27	29.7
	Sep. 15	75.8		Feb. 17	29.1
	Oct. 6	76.2		Mar. 10	30.5
	Nov. 17	76.5		Mar. 31	33.2
	Dec. 8	76.9		Apr. 21	40.7
C-853k-K-13	Jan. 6	51.2		May 12	47.6
131.6	Feb. 17	50.9		June 23	51.7
	Mar. 10	50.1		Aug. 4	52.1
	Apr. 21	52.8		Aug. 25	52.0
	May 12	53.9		Oct. 6	48.1
	June 2	54.3		Oct. 27	47.0
	July 14	56.5		Nov. 17	41.6
	Aug. 25	58.8	C-872-K-11	Jan. 6	35.4
	Sep. 15	59.7		Feb. 17	34.0
	Oct. 6	60.3		Mar. 10	34.6
	Nov. 18	61.3		Apr. 21	40.9
	Dec. 8	61.4		May 12	43.5
C-856-L-13	Jan. 26	a 34.3		June 2	43.6
86.2	Feb. 18	a 32.6		July 14	46.7
	Mar. 29	a 41.3		Aug. 4	48.6
	Apr. 29	a 46.7		Sep. 15	48.8
	May 31	a 47.0		Oct. 6	46.5
	June 28	a 50.1		Nov. 17	43.1
	July 27	a 48.8		Dec. 9	41.2
	Aug. 30	a 49.7	C-872a-K-11	Jan. 3	27.6
	Sep. 22	a 52.7	87.	Feb. 7	26.1
C-858-L-13	Jan. 26	a 31.6		Mar. 7	26.6
76.2	Feb. 18	a 30.8		Apr. 4	30.6
	Mar. 29	a 34.2		May 23	32.6
				June 6	38.9

* R.P. elevation 85.4 to and including April 21, 1949; then 85.3.

** R.P. elevation 96.0 to and including May 12, 1949; then 95.9.

a Meas. from O.Co.F.C.D.

b Meas. from L.A.Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
1949			1949		
C-872a-K-11	July 4	41.2	C-891-L-13	Aug. 25	63.5
Cont.	Aug. 1	41.8	Cont.	Oct. 6	55.4
	Sep. 5	42.0		Oct. 27	51.7
	Oct. 3	40.9		Dec. 8	37.7
	Nov. 7	39.9			
	Dec. 5	35.5	C-894-L-13	Jan. 18	b 32.4
C-877d-L-11	Jan. 7	20.6	61.7	Jan. 26	b 32.1
*	Jan. 28	18.9		Mar. 29	b 28.0
	Mar. 11	19.0		Apr. 29	b 48.7
	Apr. 1	22.8		May 31	b 45.5
	Apr. 12	29.3		June 28	b 53.8
	May 13	32.3		Aug. 30	b 54.8
	June 3	33.7		Sep. 22	b 51.7
	June 24	39.3		Oct. 26	b 44.6
	Aug. 5	39.7		Dec. 22	b 44.8
	Aug. 26	38.8	C-896e-M-13	Jan. 26	b 27.6
	Oct. 7	35.6	53.6	Feb. 18	b 27.5
	Oct. 28	33.6		Mar. 29	b 30.6
	Dec. 9	27.8		Apr. 29	b 47.4
C-885c-L-11	Jan. 7	17.1		May 31	b 50.4
58.0	Feb. 18	14.0		June 28	b 59.0
	Mar. 11	15.0		July 27	b 60.6
	Apr. 1	17.6		Aug. 30	b 59.6
	May 13	27.3		Sep. 22	b 57.4
	June 3	28.7		Oct. 26	b 51.2
	July 15	34.9		Nov. 25	b 43.7
	Aug. 5	35.4		Dec. 22	b 36.6
	Sep. 16	34.0	C-897k-M-13	Jan. 26	b 28.7
	Oct. 7	32.3	45.2	Feb. 18	b 27.7
	Nov. 18	26.0		Mar. 29	b 28.9
	Dec. 9	24.6		Apr. 29	b 40.0
C-887-L-12	Nov. 21	a 39.3		May 31	b 57.7
64.4				June 28	b 65.1
				July 27	b 65.5
				Aug. 30	b 67.1
C-891-L-13	Jan. 6	26.9		Sep. 22	b 64.7
58.2	Jan. 27	25.2		Oct. 26	b 60.3
	Feb. 17	23.4		Nov. 25	b 52.6
	Mar. 10	26.7		Dec. 22	b 40.1
	Mar. 31	30.0			
	Apr. 21	47.9	C-900-M-13	Jan. 3	29.0
	June 2	56.0	35.3	Feb. 14	34.4
	June 23	63.3		Mar. 7	38.6
	Aug. 5	64.3		Apr. 18	52.5

* R.P. elevation 71.5 to and including April 12, 1949; then 71.8.

a Meas. from L.A.Co.F.C.D.

b Meas. from O.Co.F.C.D.

Measts. by S.G.V.P.A. from L.A.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
1949			1949		
C-900-M-13	May 9	a 57.8	C-911-0-13	July 7	a 26.2
Cont.	June 20	a 61.4	Cont.	Aug. 19	a 27.4
7.12	July 11	a 68.5	0.54	Sep. 8	a 26.2
7.78	Aug. 1	a 72.9	0.01	Oct. 21	a 22.7
1.58	Sep. 12	a 66.0	0.08	Nov. 11	a 20.0
1.88	Oct. 3	a 60.0	0.28	Dec. 2	a 18.6
0.88	Nov. 14	a 47.1			
0.88	Dec. 5	a 41.0	C-911b-N-13	Jan. 27	21.3
7.84			0.13.8	Feb. 24	29.0
C-908b-M-12	Jan. 7	a 36.6	0.01	Mar. 31	32.4
8.4	Feb. 18	a 52.3	0.55	Apr. 20	32.6
8.42	Mar. 11	a 57.7	0.08	May 25	33.0
7.12	Apr. 1	a 54.0	0.08	June 30	36.8
0.44	May 13	a 55.0	0.28	July 28	41.3
8.44	June 3	a 52.4	0.08	Aug. 15	40.7
	July 15	a 66.2	0.08	Sep. 23	42.0
1.75	Aug. 5	a 67.7	0.28	Oct. 27	39.1
0.08	Sep. 16	a 64.3	0.28	Nov. 30	35.8
0.08	Oct. 7	a 61.1	0.28	Dec. 23	32.8
4.72	Nov. 18	a 50.4	0.75		
1.07	Dec. 9	a 46.1	C-911f-0-12	Jan. 3	12.2
0.08			1.8.75	Jan. 31	11.2
C-908e-M-12	Apr. 19	b 33.4	0.41	Mar. 7	16.3
0.32.5	Nov. 28	b 34.1	0.21	Apr. 4	17.9
4.78			0.71	May 2	18.7
C-909-N-13	Jan. 27	26.6	0.18	June 6	18.6
7.22.8	Feb. 24	38.3	0.08	June 27	19.0
0.08	Mar. 31	42.6	0.08	Aug. 1	20.9
0.08	May 25	38.7	0.08	Sep. 6	22.4
0.08	June 30	51.8	0.08	Oct. 3	23.0
0.08	July 28	55.7	0.08	Oct. 31	23.3
0.08	Aug. 15	51.6	0.08	Dec. 5	22.6
0.04	Sep. 23	46.2	0.08		
0.08	Oct. 27	38.1	C-912b-0-13	Jan. 3	27.3
0.08	Nov. 30	29.6	0.32.0	Jan. 31	29.0
1.08	Dec. 23	26.2		Feb. 21	39.6
				Apr. 4	40.1
C-910b-0-13	Apr. 27	b 17.0	0.08	May 2	39.3
0.8.1	Nov. 29	b 15.3	0.28	June 6	44.3
0.08			0.08	Aug. 15	52.4
C-911-0-13	Jan. 21	a 13.1	0.08	Sep. 26	50.4
12.0	Feb. 11	a 16.8	0.08	Nov. 7	43.5
0.08	Mar. 4	a 25.0	0.08	Dec. 5	38.2
4.18	Apr. 20	a 21.7	0.08		
0.08	May 6	a 20.8	C-912c-0-13	Jan. 21	a 21.7
0.08	June 17	a 23.0	21.4	Feb. 11	a 28.0

* R.P. elevation 46.4 to and including January 7, 1949; then 46.2.
a Meas. by S.G.V.P.A. from L.A.Co.F.C.D.
b Meas. from L.A.Co.F.C.D.
Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-912c-O-13 Cont.	June 17	a 42.3	C-927c-N-14 Cont.	Aug. 9	75.8
	July 7	a 45.6		Sep. 6	72.0
	Sep. 8	a 46.1		Oct. 11	65.6
	Oct. 21	a 38.2		Nov. 14	57.3
	Nov. 11	a 35.9		Dec. 8	51.3
	Dec. 2	a 31.5			
C-913c-N-11 37.5	Jan. 26	b 36.4	C-929f-L-11 53.4	Jan. 3	a 64.9
	Apr. 5	b 36.5		Feb. 7	a 60.6
	June 7	b 36.6		Mar. 7	a 63.4
	Aug. 1	b 36.7		Apr. 4	a 70.1
	Nov. 1	b 36.8		May 2	a 76.4
	Dec. 7	b 36.9		June 6	a 85.4
				July 4	a 95.4
C-914b-N-12 31.4	Jan. 27	30.8		Aug. 1	a 97.4
	Feb. 24	36.7		Sep. 5	a 97.4
	Mar. 31	42.2		Oct. 3	a 93.3
	Apr. 20	42.8		Nov. 7	a 90.5
	May 25	40.8		Dec. 5	a 88.7
	June 30	46.4	C-937b-N-11 35.1	Apr. 19	b 73.4
	July 28	50.0			
	Aug. 15	47.4			
	Sep. 23	46.1	C-942a-K-14 144.	Jan. 6	a 81.0
	Oct. 27	45.0		Feb. 17	a 78.1
	Nov. 30	40.0		Mar. 10	a 80.0
	Dec. 23	37.9		Apr. 21	a 85.6
				Aug. 25	a 107.4
C-926-M-11 68.9	Jan. 3	a 98.9			
	Feb. 7	a 94.9	C-950a-M-14 70.0	Jan. 26	57.1
	Mar. 7	a 95.5		Feb. 18	57.6
	Mar. 21	a 90.9		Mar. 29	66.8
	Apr. 4	a 95.0		Apr. 29	81.2
	May 2	a 103.2		June 28	101.9
	June 6	a 110.0		Aug. 30	101.4
	July 4	a 118.1		Sep. 22	98.6
	Aug. 1	a 121.1		Oct. 26	89.6
	Sep. 5	a 121.8		Nov. 25	75.5
	Sep. 12	a 122.9		Dec. 22	68.9
	Oct. 3	a 118.9			
	Nov. 7	a 112.4	C-950e-M-13 49.5	Jan. 26	29.6
	Nov. 21	a 113.1		Feb. 18	28.5
	Dec. 5	a 110.0		Mar. 29	31.8
				Apr. 29	52.0
C-927c-N-14 48.3	Jan. 11	43.4		May 31	56.5
	Apr. 7	56.6		June 28	61.3
	May 10	64.2		July 27	67.2
	June 9	66.9		Aug. 30	68.7

a Meas. by S.G.V.P.A. from L.A.Co.F.C.D.

b Meas. from L.A.Co.F.C.D.

Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-950e-M-13 Cont.	Sep. 22	63.3	C-963-I-11 Cont.	Aug. 31	a 213.
	Oct. 26	53.8		Oct. 31	a 216.
	Nov. 25	43.1	C-965-I-11	Feb. 28	a 119.
	Dec. 22	37.8	159.5	Apr. 30	a 114.
C-950n-M-14 63.7	Jan. 11	54.1		June 30	a 130.
	Feb. 8	54.0		Aug. 31	a 137.
	Mar. 8	56.1		Oct. 31	a 135.
	Apr. 7	57.8	C-966-I-11	Feb. 28	a 101.
	May 10	81.0	145.5	Apr. 30	a 107.
	July 8	101.3		June 30	a 117.
	Aug. 9	103.7		Aug. 31	a 123.
	Sep. 6	94.2		Oct. 31	a 122.
	Oct. 11	88.0	C-968-K-15	Feb. 9	52.9
	Nov. 14	81.1	350.9	May 12	54.3
	Dec. 8	69.7		Aug. 11	52.3
C-957-H-11 303.0	June 30	a 89.		Nov. 16	51.5
	Aug. 31	a 87.	C-969a-K-16	Feb. 9	105.6
	Sep. 30	a 106.	386.9	Aug. 11	118.1
	Oct. 31	a 90.		Nov. 16	116.2
C-960-I-11 192.9	Jan. 31	a 206.	C-973b-L-16	Feb. 9	95.4
	Feb. 28	a 170.	249.	May 12	95.9
	Mar. 31	a 202.		Aug. 11	96.0
	Apr. 30	a 172.		Nov. 16	97.2
	May 31	a 213.	C-974m-L-16	Jan. 7	162.0
	June 30	a 176.	176.2	Feb. 4	160.3
	July 31	a 218.		Mar. 4	160.9
	Aug. 31	a 179.		Apr. 1	161.3
	Sep. 31	a 218.		May 5	165.2
	Nov. 30	a 216.		June 7	166.8
C-961-I-11 197.0	Feb. 28	a 170.		July 5	169.4
	Apr. 30	a 172.		Aug. 5	173.2
	June 30	a 180.		Sep. 1	174.6
	Aug. 31	a 191.		Oct. 7	175.2
	Oct. 31	a 192.		Nov. 4	174.6
C-962-I-11 196.0	Feb. 28	a 162.		Dec. 6	172.0
	Apr. 30	a 167.	C-974n-M-16	Jan. 6	178.0
	June 30	a 170.	197.8	Feb. 3	176.3
	Aug. 31	a 180.		Mar. 3	175.8
	Oct. 31	a 183.		Apr. 1	175.0
C-963-I-11 228.3	Feb. 28	a 197.		May 6	181.2
	Apr. 30	a 202.		June 2	180.6
	June 30	a 206.			

a Meas. by owner from L.A.Co.F.C.D.
Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-974n-M-16 Cont.	July 7	a 187.4	C-977b-M-16 Cont.	Mar. 4	149.7
	Aug. 4	a 191.4		Apr. 1	149.8
	Sep. 2	a 194.2		May 5	157.4
	Oct. 6	191.5		July 5	176.0
	Nov. 3	a 192.0		Oct. 7	169.4
	Dec. 1	189.9		Dec. 6	162.8
C-975-L-16 155.6	Jan. 7	126.5	C-978-M-16 173.8	Jan. 4	162.1
	Feb. 4	125.8		Feb. 1	154.6
	Mar. 4	126.0		Mar. 1	154.7
	Apr. 1	127.4		Apr. 5	154.5
	May 5	127.3		May 3	158.0
	June 7	128.2		July 1	159.8
	Aug. 5	130.3		Dec. 2	173.6
	Sep. 1	131.5	C-978a-M-16 149.8	Jan. 3	142.9
	Oct. 7	131.9		Feb. 7	133.6
	Nov. 4	133.3		Feb. 28	137.7
	Dec. 6	134.0		Mar. 21	136.2
C-975k-L-16 141.4	Jan. 7	116.8		Apr. 4	143.4
	Feb. 4	115.1		May 9	145.0
	Mar. 4	114.8		May 16	143.9
	Apr. 1	115.1		June 20	148.6
	May 5	122.0		Aug. 8	155.1
	June 7	123.0		Aug. 29	155.0
	July 5	126.2		Oct. 10	154.8
	Aug. 5	127.9		Oct. 31	152.7
	Sep. 1	126.5		Dec. 5	147.2
	Oct. 7	126.4	C-980-L-15 113.3	Jan. 26	89.9
	Nov. 4	127.7		Feb. 18	89.4
	Dec. 6	126.0		Mar. 29	90.3
C-976c-M-15 152.9	Jan. 1	bc 138.		Apr. 29	97.0
	Feb. 1	bc 136.		May 31	100.5
	Mar. 1	bc 137.		June 28	106.1
	Apr. 1	bc 136.		July 27	112.1
	May 1	bc 142.		Aug. 30	110.1
	June 1	bc 144.		Sep. 22	108.2
	July 1	bc 149.		Oct. 26	107.9
	Aug. 1	bc 157.		Nov. 25	102.1
	Sep. 1	bc 160.		Dec. 22	100.0
	Oct. 1	bc 161.	C-982L-M-14 91.7	Jan. 11	49.9
	Nov. 1	bc 155.		Feb. 8	48.8
	Dec. 1	bc 154.		Mar. 8	49.1
C-977b-M-16 167.9	Jan. 7	154.3		Apr. 7	49.9
	Feb. 4	149.0		May 10	53.5

a Pumping nearby.

b Meas. by owner from O.Co.F.C.D.

c Air gage - pumping.

Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-982L-M-14 Cont.	June 9	53.9	C-986e-N-15 112.1	Jan. 14	100.7
	July 8	55.0		Feb. 10	99.2
	Aug. 9	54.9		Mar. 10	99.3
	Sep. 6	55.6		Apr. 8	100.2
	Oct. 11	55.9		May 12	103.4
	Nov. 14	54.1		June 10	106.3
	Dec. 8	54.3		July 14	107.8
				Aug. 11	110.5
C-983-M-14 92.6	Jan. 11	52.7		Sep. 8	111.0
	Feb. 8	51.9		Oct. 14	111.0
	Mar. 8	51.2		Nov. 15	109.9
	Apr. 7	51.4		Dec. 9	108.5
	May 10	52.6			
	June 9	53.3	C-991e-O-13 17.4	Jan. 5	17.3
	July 8	55.0		Feb. 2	21.1
	Aug. 9	56.1		Mar. 9	36.9
	Dec. 8	57.3		Mar. 30	31.2
				May 4	28.0
C-983e-M-15 108.0	Jan. 7	96.7		June 1	28.2
	Feb. 4	90.2		July 6	34.7
	Mar. 4	95.8		July 27	37.4
	Apr. 1	96.2		Sep. 7	35.0
	July 5	114.4		Sep. 28	36.2
	Aug. 5	108.0		Nov. 2	29.7
	Sep. 1	111.9		Nov. 30	26.3
	Nov. 4	105.7			
	Dec. 6	103.4	C-992b-P-14 22.2	Jan. 18	23.6
				Mar. 15	36.8
C-984b-N-14 60.7	Jan. 5	46.1		Apr. 12	29.9
	Feb. 9	42.8		May 13	30.2
	Mar. 2	44.2		June 14	31.0
	Mar. 30	46.9		July 15	36.1
	May 4	58.0		Aug. 12	34.8
	May 25	60.4		Sep. 13	33.4
	July 7	65.6		Oct. 18	32.6
	July 13	63.6		Nov. 17	28.8
	Aug. 3	65.8		Dec. 13	27.0
	Aug. 17	66.3			
	Sep. 7	64.3	C-992e-P-13 15.4	Jan. 3	14.1
	Oct. 5	61.4		Jan. 31	19.6
	Nov. 2	58.1		Feb. 14	28.4
	Dec. 7	52.5		May 2	22.9
				June 6	23.7
C-985-N-14 60.6	Jan. 11	41.8		July 25	30.7
	Feb. 8	39.8		Aug. 1	29.9
	Mar. 8	41.7		Aug. 29	29.4
	Aug. 9	56.1		Sep. 26	29.8
	Nov. 14	49.7		Oct. 31	25.0
	Dec. 8	47.7		Dec. 5	22.9

Measts. from O.Co.F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-993-P-14 27.9	Jan. 18	28.9	C-1056-M-16 201.2	Jan. 4	199.7
	May 13	35.0		Feb. 1	191.7
	June 14	35.9		Mar. 1	189.9
	July 15	43.2		Apr. 5	187.4
	Aug. 12	42.1		July 1	197.6
	Sep. 13	41.5		Oct. 4	207.1
	Oct. 18	37.5	C-1058-M-17 203.8	Jan. 7 a	192.0
	Nov. 17	33.1		Feb. 7 a	189.0
	Dec. 13	32.0		Feb. 28 a	189.0
C-997-P-14 56.1	Jan. 18	59.9		Apr. 2 a	187.0
	Feb. 11	61.6		Apr. 15 a	187.0
	Mar. 15	64.1		Sep. 14 a	222.7
	Apr. 12	63.8		Nov. 10 a	213.0
	May 13	63.1		Nov. 29 a	203.0
	June 14	63.7		Dec. 14 a	201.0
	July 15	64.9	C-1059-M-17 207.4	Mar. 9	194.0
	Sep. 13	65.9		Apr. 6	192.4
	Oct. 18	65.6		Apr. 20	192.0
	Nov. 17	64.7		June 15 b	
	Dec. 13	63.7			
C-997d-Q-14 52.8	Jan. 18	56.1	C-1065-M-16 202.0	Jan. 4	181.9
	Feb. 11	55.8		Feb. 1	182.6
	Mar. 15	58.2		Mar. 1	180.0
	Apr. 12	60.1		Apr. 5	179.0
	May 13	60.4		May 3	182.2
	June 14	59.9		June 3	184.2
	Aug. 12	60.9		July 1	187.3
	Sep. 13	61.3		Aug. 2	191.5
	Oct. 18	61.1		Sep. 1	194.5
	Nov. 17	60.4		Oct. 4	196.4
	Dec. 13	60.4		Nov. 1	195.9
				Dec. 2	194.3
C-999f-P-14 49.1	Jan. 18	48.5	C-1073-M-17 215.9	Jan. 4	195.7
	Feb. 11	55.8		Feb. 1	194.6
	Mar. 15	64.8		Mar. 1	195.2
	Apr. 12	57.6		Apr. 5	191.3
	May 13	56.0		Nov. 1	209.2
	June 14	56.9			
	July 15	60.2	C-1078d-M-17 238.6	Feb. 1	196.7
	Aug. 12	59.8		Mar. 1	195.4
	Sep. 13	59.6		Apr. 5	190.6
	Oct. 18	57.1		Sep. 1	207.5
	Nov. 17	55.4			
	Dec. 13	54.5			

a Meas. from S.A.V.I. Co.

b Obstruction at 195⁺ feet

Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-1079a-M-17 248.3	Jan. 4 Feb. 1 Mar. 1 Apr. 5	196.7 188.9 179.9 152.3	C-1105a-N-17 Cont.	June 21 July 26 Aug. 23 Oct. 25 Nov. 25 Dec. 20	236.4 240.5 241.8 242.6 240.8 243.3
C-1082-L-18 260.5	Jan. 5 Feb. 2 Mar. 2 Mar. 30 Apr. 13 May 4 Aug. 3 Aug. 31 Oct. 5 Nov. 2 Nov. 30 Dec. 21	92.2 81.0 68.9 56.8 53.8 54.2 69.3 75.4 84.3 92.5 95.0 96.7	C-1105b-M-17 273.5	Jan. 25 Feb. 18 Mar. 22 Apr. 28 May 24 June 21 July 26 Aug. 23 Sep. 20 Oct. 25 Nov. 25 Dec. 20	262.5 260.6 259.2 258.9 262.4 265.5 269.4 272.3 274.6 276.2 275.8 274.2
C-1085-L-17 245.	Jan. 4 Mar. 1 May 3 July 1 Aug. 2 Sep. 1 Nov. 1 Dec. 2	198.4 194.8 190.0 194.1 203.8 206.8 212.3 211.8	C-1109g-N-18 332.4	Jan. 25 Feb. 18 Mar. 22 Apr. 28 May 24 June 21 July 26 Aug. 23 Sep. 20 Oct. 25 Nov. 25 Dec. 20	321.4 317.4 315.4 318.5 322.9 324.2 328.8 344.5 352.8 349.1 341.5 338.8
C-1089-L-16 228.8	Jan. 4 Feb. 1 Mar. 1 Apr. 5 May 3 June 3 July 1 Aug. 2 Oct. 4 Nov. 1 Dec. 2	205.8 201.9 203.5 200.7 201.1 203.4 206.5 210.2 216.2 218.0 219.2	C-1109i-N-18 410.2	Mar. 22 Dec. 20	56.2 61.2
C-1097-L-17 336.2	Feb. 9 May 12 Aug. 11	175.9 172.0 178.0	C-1112-N-18 290.4	Jan. 6 Feb. 7 Feb. 28 Apr. 15 Sep. 24 Oct. 19 Nov. 10 Nov. 29	a 283.0 a 280.0 a 278.0 a 278.0 a 315.4 a 309.0 a 301.0 a 299.0
C-1105a-N-17 246.2	Jan. 25 Feb. 18 Mar. 22 Apr. 23 May 24	232.0 230.5 229.4 240.8 234.4	C-1120-N-16 151.4	Jan. 5 Feb. 2 Mar. 2	136.0 134.9 135.5

a Meas. from S.A.V. Co.

Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-1120-N-16 Cont.	May 4	138.1	C-1126b-M-16 Cont.	Apr. 4	153.4
	June 1	139.0		May 2	158.8
	June 29	140.8		June 6	160.7
	Aug. 3	143.6		June 27	163.3
	Aug. 31	144.9		Aug. 15	167.6
	Oct. 5	146.1		Sep. 12	169.8
	Nov. 9	146.6		Oct. 10	169.3
	Nov. 30	145.6		Oct. 31	170.4
				Dec. 12	166.0
C-1121b-N-17 179.4	Jan. 25	161.9	C-1128a-N-16 140.1	Jan. 14	131.7
	Feb. 18	161.0		Feb. 10	127.5
	Mar. 22	160.6		Mar. 10	127.1
	Apr. 28	166.5		Apr. 8	127.5
	May 24	167.1		May 12	130.9
	June 21	168.8		June 10	132.4
	July 26	175.4		July 14	134.5
	Sep. 20	178.2		Aug. 11	136.1
	Oct. 25	177.9		Sep. 8	138.7
	Nov. 25	174.2		Oct. 14	138.4
	Dec. 20	172.8		Nov. 15	138.0
				Dec. 9	137.0
C-1122b-N-16 162.7	Jan. 4	143.3	C-1129m-N-16 136.1	Jan. 14	127.9
	Feb. 1	142.9		Feb. 10	124.9
	Mar. 1	142.5		Mar. 10	124.6
	Apr. 5	142.9		Apr. 8	127.0
	May 3	143.5		Aug. 11	136.1
	July 1	145.6		Sep. 8	136.3
	Aug. 2	147.2		Oct. 14	136.6
	Sep. 1	148.6		Nov. 15	135.0
	Oct. 4	149.8		Dec. 9	133.6
	Nov. 1	150.6			
	Dec. 2	151.0			
C-1123b-N-16 145.	Jan. 3	126.8	C-1130a-N-15 107.4	Jan. 14	94.2
	Jan. 17	126.2		Feb. 10	95.0
	Jan. 31	127.7		Mar. 10	95.4
	Feb. 28	128.1		May 12	99.7
	Mar. 28	126.1		July 14	103.2
	May 2	129.8		Aug. 11	105.5
	June 6	132.7		Oct. 14	106.9
	July 11	138.3		Nov. 15	106.0
	Aug. 15	137.6		Dec. 9	104.4
	Sep. 26	139.3			
	Nov. 7	143.2	C-1131-N-17 160.1	Jan. 25	141.7
	Dec. 5	136.8		Feb. 18	141.1
				Mar. 22	141.3
C-1126b-M-16 175.3	Jan. 3	154.0		Apr. 28	143.2
	Feb. 14	154.8		May 24	144.6
	Feb. 28	153.7		June 21	145.9

Measts. from O.Co.F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
1949			1949		
C-1131-N-17 Cont.	July 26	149.1	C-1160a-0-16 88.1	Jan. 14	74.2
	Aug. 23	150.5		Feb. 10	74.2
	Sep. 20	151.9		Mar. 10	77.8
	Oct. 25	153.0		Apr. 8	79.1
	Nov. 25	152.6		May 12	84.0
	Dec. 20	151.8		June 10	86.5
C-1140e-N-16 119.	Jan. 14	109.9	July 14	87.2	
	Feb. 10	108.3	Aug. 11	87.3	
	Mar. 10	109.4	Sep. 8	89.7	
	Apr. 8	110.0	Oct. 14	85.6	
	Nov. 15	119.3	Nov. 15	84.4	
	Dec. 9	117.8	Dec. 9	81.6	
C-1150b-N-17 206.3	Feb. 7	a 194.3	C-1162-0-16 96.6	Jan. 14	80.6
	Feb. 28	a 194.0		Feb. 10	79.9
	Apr. 15	a 198.0		Mar. 10	81.3
	Oct. 19	a 221.0		Apr. 8	82.8
	Nov. 10	a 218.0		May 12	87.0
	Nov. 29	a 210.0		June 10	87.9
	Dec. 14	a 210.0		July 14	88.9
C-1153b-0-15 93.6	Jan. 14	80.1	Aug. 11	90.0	
	Feb. 10	80.0	Sep. 8	91.0	
	Mar. 10	84.3	Oct. 14	89.3	
	Apr. 8	83.5	Nov. 15	90.0	
	May 12	88.2	Dec. 9	88.5	
	June 10	81.4	C-1168-0-15 75.5	Jan. 14	64.1
	July 14	94.4		Feb. 10	66.4
	Aug. 11	b		Mar. 10	72.5
	Sep. 8	95.2		Apr. 8	71.6
	Oct. 14	91.3		May 12	78.0
Nov. 15	90.8	June 10		77.0	
Dec. 9	91.4	July 14	80.0		
C-1157a-N-15 85.0	Jan. 3	74.6	Aug. 11	84.3	
	Jan. 24	73.5	Sep. 8	80.9	
	Feb. 28	76.0	Oct. 14	77.3	
	Apr. 4	77.6	Nov. 15	76.1	
	May 2	81.8	Dec. 9	73.0	
	June 6	83.0	C-1180-P-17 38.3	Jan. 20	36.8
	Aug. 1	86.5		Feb. 15	52.3
	Aug. 29	86.8		Mar. 17	64.0
	Sep. 12	87.2		Apr. 19	56.4
	Oct. 3	86.2		May 17	49.8
Oct. 31	85.8	June 16		53.2	
Dec. 5	83.6	July 19	72.7		
			Aug. 16	61.3	

a Meas. from S.A.V.I.Co.

b Obstruction at 98. feet.

Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-1180-P-17	Sep. 15	54.9	C-1206b-P-17	Mar. 17	81.8
Cont.	Oct. 20	53.8	Cont.	Apr. 19	87.5
	Nov. 18	49.5		June 16	92.0
	Dec. 15	52.3		Aug. 16	98.3
				Sep. 15	103.5
C-1193a-0-17	Jan. 25	152.9		Nov. 18	100.1
171.1	Feb. 18	151.3		Dec. 15	96.2
	Mar. 22	149.4	C-1211a-P-18	Jan. 21	95.3
	Apr. 28	152.4	105.9	Feb. 17	89.8
	May 24	156.5		Mar. 18	b 84.2
	June 21	157.5		Apr. 26	114.3
	July 26	163.8		May 19	b 154.6
	Aug. 23	167.0		June 17	b 161.6
	Sep. 20	170.0		July 21	162.3
	Oct. 25	172.6		Aug. 19	165.1
	Nov. 25	172.8		Sep. 16	166.9
	Dec. 20	168.8		Oct. 21	166.9
C-1195b-0-18	Jan. 5	172.8		Nov. 22	165.3
180.7	Feb. 2	170.1		Dec. 16	150.5
	Mar. 2	166.5			
	Mar. 16	165.0	C-1211c-P-18	Jan. 21	140.5
	Mar. 30	166.2	156.5	Feb. 17	131.1
	May 4	175.3		Mar. 18	126.7
	June 1	175.1		Sep. 16	186.9
	June 29	180.4		Oct. 21	184.9
	Aug. 3	185.0		Dec. 16	162.2
	Aug. 31	188.8			
	Sep. 28	189.6	C-1211k-P-18	Jan. 21	72.0
	Nov. 2	191.8	77.7	Feb. 17	65.0
	Nov. 9	192.5		May 19	89.0
	Dec. 7	187.7		June 17	95.6
				July 21	120.0
C-1197-0-17	Jan. 25	118.7		Aug. 19	112.1
151.6	Feb. 18	117.1		Sep. 16	106.1
	Mar. 22	118.2		Oct. 21	107.3
	Apr. 28	119.7		Nov. 22	101.2
	May 24	120.3		Dec. 16	97.4
	Aug. 23	126.7			
	Sep. 20	127.5	C-1216b-P-19	Feb. 17	208.8
	Oct. 25	129.3	220.2	Mar. 18	203.6
	Dec. 20	129.5		Oct. 21	225.7
				Dec. 16	215.5
C-1201-P-15	Jan. 15	38.3			
45.8	Feb. 11	a	C-1217a-Q-19	Jan. 21	254.9
			283.4	Feb. 17	254.8
C-1206b-P-17	Jan. 20	78.7		Mar. 18	247.0
86.8	Feb. 15	77.3		Apr. 26	256.4

a Dry at 43.5 feet.

b Pumping nearby.

Measts. from O.Co. F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-1217a-Q-19 Cont.	May 19	263.4	C-1225-Q-18 Cont.	Aug. 19	16.2
	June 17	a 274.4		Sep. 16	16.2
	July 21	278.8		Oct. 21	16.7
	Aug. 19	281.9		Nov. 22	16.9
	Sep. 16	278.2		Dec. 16	17.1
	Oct. 21	270.7	C-1230-P-17 54.2	Jan. 20	26.5
	Nov. 22	262.3		Feb. 15	27.7
	Dec. 16	265.5		Mar. 17	a 32.2
C-1220a-Q-18 155.	Jan. 21	81.3		Apr. 19	28.1
	Feb. 17	82.9		May 17	28.3
	Mar. 18	81.8		June 16	29.6
	Apr. 26	91.6		July 19	a 32.8
	May 19	88.6		Aug. 16	32.1
	June 17	94.1		Sep. 15	32.9
	Aug. 19	97.1		Oct. 20	32.1
	Sep. 16	96.4		Nov. 18	31.8
	Oct. 21	93.9		Dec. 15	31.4
	Nov. 22	96.9	C-1231b-P-17 39.9	Jan. 20	37.9
	Dec. 16	95.9		Feb. 15	42.3
C-1220p-Q-19 221.2	Jan. 21	153.4		Mar. 17	62.0
	Feb. 17	153.0		Apr. 19	60.3
	Mar. 18	153.6		May 17	52.3
	Apr. 26	157.7		June 16	60.6
	June 17	159.4		July 19	85.5
	July 21	160.6		Aug. 16	68.7
	Aug. 19	159.6		Sep. 15	59.1
	Sep. 16	159.1		Nov. 18	53.5
	Oct. 21	158.9		Dec. 15	55.3
	Nov. 22	156.3	C-1232-P-17 75.7	Jan. 20	36.0
	Dec. 16	158.2		Feb. 15	37.7
C-1224-Q-18 96.	Jan. 21	64.5		Apr. 19	39.4
	Feb. 17	61.2		May 17	38.8
	Mar. 18	62.0		June 16	42.0
	Apr. 26	72.8		July 19	42.9
	May 19	74.2		Aug. 16	43.1
	June 17	79.4		Sep. 15	42.9
	Aug. 19	84.9		Oct. 20	31.7
	Oct. 21	78.2	C-1237L-P-17 35.2	Jan. 20	24.6
	Dec. 16	77.4		Feb. 14	28.9
C-1225-Q-18 101.0	Jan. 21	14.9		Mar. 17	36.1
	Feb. 17	15.1		Apr. 19	35.7
	Apr. 26	15.4		May 17	32.0
	June 17	15.6		June 16	36.2
	July 21	16.0		July 19	46.6

a Pumping nearby.
Measts. from O. Co. F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
C-1237L-P-17 Cont.	Aug. 16	44.8	C-1255-P-15 Cont.	Oct. 18	35.2
	Sep. 15	41.9		Nov. 17	32.5
	Oct. 20	38.5		Dec. 13	30.8
	Nov. 18	34.3	C-1257-Q-15	Jan. 18	15.2
	Dec. 15	35.1	14.0	Feb. 11	23.7
C-1243-Q-16 40.1	Jan. 20	20.9		Mar. 15	41.3
	Feb. 15	22.1		Apr. 12	26.4
	Mar. 17	21.7		May 13	22.5
	Apr. 19	26.6		June 14	23.8
	May 17	24.7		July 15	27.3
	June 16	27.2		Aug. 12	28.5
	Aug. 16	35.8		Sep. 13	26.0
	Sep. 15	34.3		Oct. 18	22.4
	Oct. 20	32.1		Nov. 17	23.4
	Dec. 15	29.2		Dec. 13	20.4
C-1249-Q-16 40.2	Jan. 20	38.6	C-1263-Q-14 4.9	Jan. 5	7.7
	Feb. 15	58.1		Jan. 26	2.4
	Apr. 19	60.3		Mar. 2	4.3
	May 17	53.5		Apr. 6	4.9
	June 16	56.9		May 4	5.3
	Aug. 16	63.2		June 1	5.8
	Sep. 15	58.5		June 29	6.9
	Oct. 20	57.6		Aug. 3	9.0
	Nov. 18	53.1		Aug. 31	10.0
	Dec. 15	52.4		Sep. 28	10.0
C-1250-P-15 37.6	Jan. 3	34.4		Nov. 2	9.6
	Jan. 31	34.9		Dec. 7	9.0
	Feb. 21	48.9	C-1263a-Q-14 6.8	Jan. 5	8.2
	Mar. 28	50.2		Jan. 26	5.7
	May 2	38.3		Mar. 2	19.1
	June 13	41.2		Mar. 9	19.6
	Aug. 1	45.0		Apr. 6	14.4
	Aug. 29	43.9		May 4	11.5
	Oct. 3	43.2		June 1	10.1
	Oct. 31	42.0		June 29	10.4
	Dec. 5	40.2		July 27	11.9
	Dec. 27	39.3		Sep. 7	11.2
C-1255-P-15 27.4	Jan. 18	23.4		Oct. 5	10.3
	Feb. 11	33.3		Nov. 2	9.8
	Mar. 15	49.5		Nov. 30	9.0
	Apr. 12	38.6	C-1264-Q-14 5.8	Jan. 18	7.4
	May 13	36.9		Feb. 11	7.5
	July 15	42.4		Mar. 5	11.9
	Aug. 12	40.8		Apr. 12	8.4
	Sep. 13	40.2		May 13	6.8

Measts. from O.Co, F.C.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
C-1264-Q-14	June 14	7.2	C-1265-Q-15	Mar. 15	21.7
Cont.	July 15	8.5	Cont.	Apr. 12	14.3
	Aug. 12	9.0		May 13	11.8
	Sep. 13	9.3		June 14	11.6
	Oct. 18	8.4		July 15	12.8
	Nov. 17	7.7		Aug. 12	12.6
	Dec. 13	7.4		Sep. 13	12.6
C-1265-Q-15	Jan. 18	10.1		Oct. 18	11.3
6.5	Feb. 11	12.9		Nov. 17	10.1
				Dec. 13	10.1

Meas. from O. Co. F.C.D.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "D"

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
D-703a-H-20 990.	Apr. 8 a	261.6	D-713b-G-20 1500.	Jan. 3	318.0
	Dec. 22 a	275.2		Feb. 7	317.5
				Mar. 7	319.3
D-705-F-20 1831.5	June 29 b	195.0		Apr. 18	318.0
	July 13 b	198.1		May 2	319.5
	Sep. 7 b	208.4		June 6	327.2
	Oct. 5 b	212.4		July 3	335.0
	Nov. 2 b	215.4		Aug. 29	344.2
	Dec. 14 b	213.8		Nov. 7	349.6
				Dec. 12	347.8
D-705g-F-20 1840.0	Jan. 3 c	245.3	D-716-G-21 1212.8	Jan. 3 c	489.
	Feb. 1 c	213.1		Feb. 1 c	487.
	Mar. 1 c	206.3		Apr. 4 c	485.
	Apr. 4 c	199.1		May 9 c	488.
	May 16 c	215.8		June 13 c	488.
	June 13 c	217.		Sep. 5 c	493.
	July 5 c	223.4			
	Aug. 1 c	256.1	D-718a-G-20 1215.	Jan. 3	482.0
	Sep. 5 c	242.7		Feb. 7	479.6
	Nov. 7 c	247.		Mar. 7	486.1
	Dec. 5 c	237.		May 2	490.1
D-707-F-21 1840.4	Jan. 12 b	320.8		June 6	491.3
	Feb. 10 b	318.0		July 3	498.0
	Mar. 9 b	316.2		Aug. 1	503.1
	Apr. 6 b	319.0		Sep. 5	511.0
				Oct. 3	508.3
D-708-F-21 1492.5	Dec. 14 b	236.8		Nov. 7	510.2
				Dec. 5	508.8
D-711b-F-20 1692.	Apr. 8 a	348.9	D-721b-G-20 1049.4	Apr. 8 a	347.0
	Dec. 23 a	398.0			
D-711d-F-20 1574.4	Jan. 7 d	293.	D-723-G-20 1112.0	Jan. 17 a	394.9
	Feb. 15 d	289.		Apr. 8 a	392.7
	Mar. 15 d	278.		Dec. 23 a	398.1
	Apr. 15 d	288.			
	May 15 d	329.	D-724-G-21 1173.	Jan. 18 a	446.3
	June 8 d	340.		Apr. 8 a	444.8
	July 16 d	358.			
	Aug. 24 d	359.	D-727-H-21 1093.	June 15 b	376.9
	Sep. 24 d	375.		July 13 b	379.0
	Nov. 16 d	360.		Nov. 2 b	384.3
	Dec. 24 d	360.		Dec. 14 b	384.3

a Meas. from S.B. Co. F.C.D.

b Meas. from owner

c Air gage meas. from owner

d Meas. by S.C.W.Co. from L.A.Co.F.C.D.

Measts. from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
D-728-H-20 1032.	Jan. 17 Apr. 8 Dec. 22	325.8 326.2 334.7	D-753a-I-20 741.5	Mar. 31 Dec. 16	67.2 71.8
D-729-H-20 985.	Jan. 17 Dec. 22	283.9 289.9	D-753b-I-20 *702.1	Mar. 30 Dec. 16	40.4 43.6
D-734b-H-20 972.9	Apr. 8 Dec. 22	269.1 274.7	D-754a-I-19 727.8	Mar. 31 Dec. 16	49.2 58.2
D-735-H-21 922.0	Jan. 17 Apr. 7 Dec. 22	234.0 226.5 239.9	D-757a-I-19 659.4	Mar. 31 Dec. 2	47.9 52.0
D-740-H-20 844.8	Jan. 6 Apr. 6 Dec. 2	154.7 152.0 166.2	D-759b-I-20 *669.4	Mar. 29 Dec. 15	b 17.3 32.8
D-743h-I-19 771.1	Mar. 31 Dec. 16	84.9 86.7	D-761a-I-21 *675.8	Mar. 30 Dec. 16	31.7 33.1
D-743z-I-19 746.0	Feb. 2 a Mar. 31 Apr. 20 a May 25 a June 15 a July 27 a Aug. 8 a Sep. 28 a Oct. 26 a Nov. 2 Dec. 28 a	64.8 63.0 74.8 85.1 87.3 98.8 98.6 83.5 78.5 84.5 69.3	D-762a-I-21 *692.7	Mar. 30 Dec. 16	53.1 55.0
D-748c-I-21 805.9	Jan. 11 Apr. 5 Dec. 21	134.0 135.7 137.3	D-763-J-21 *651.9	Mar. 30 Dec. 2	33.9 45.2
D-750a-I-21 743.5	Dec. 16	87.1	D-764-J-21 631.8	Jan. 6 c Feb. 1 c Apr. 5 c May 3 c	19.8 17.9 16.1 20.9
D-751-I-20 765.	Mar. 30 Dec. 16	72.2 84.4	D-766-J-20 603.5	Mar. 29 Dec. 15	14.5 12.8
D-752-I-20 712.8	Mar. 30 Dec. 16	49.1 63.8	D-768-J-19 704.8	Mar. 31 Dec. 20	29.0 36.0
			D-768a-J-19 658.1	Mar. 23 Dec. 20	23.2 26.2
			D-771a-J-20 600.5	Jan. 11 c Mar. 3 c Apr. 5 c June 3 c Aug. 30 c Nov. 1 c Dec. 9 c	15.8 13.3 12.8 20.6 30.4 23.2 19.6

* Correction to all previous bulletins: R.P. elevation should be as shown, from levels by S.B.Co.F.C.D.

a Meas. from L.A.Co.F.C.D.

b Pumping nearby.

c Meas. from O.Co.F.C.D.

All measts. from S.B.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
1949			1949		
D-771e-J-20 583.8	Mar. 29 Dec. 15	a 7.1 a 13.8	D-780-K-20 Cont.	Nov. 4 Dec. 9	19.3 18.4
D-772-J-20 571.3	Jan. 6 Feb. 1 Mar. 3 Apr. 5 June 3 July 1 Aug. 2 Aug. 10 Oct. 7 Nov. 1 Dec. 5	3.3 2.6 1.3 1.5 5.8 8.2 9.5 9.7 9.3 7.8 5.9	D-780b-K-20 535.8	Jan. 14 Feb. 2 Mar. 4 Apr. 7 May 6 June 7 Oct. 7 Nov. 4 Dec. 9	14.2 14.0 13.7 13.9 19.4 19.9 18.9 17.6 15.8
D-773-J-21 *586.4	Mar. 29 Dec. 15	a 6.2 a 11.4	D-781a-K-21 506.5	Jan. 14 Feb. 3 Mar. 4 Apr. 7 May 6 June 7 July 5 Aug. 9	0.6 0.2 0.1 0.1 2.4 2.5 6.3 6.2
D-775-J-21 571.0	Dec. 15	a 9.2	D-782-K-21 553.3	Jan. 18 Feb. 3 Mar. 8 Apr. 12 May 6 June 7 July 13 Aug. 9 Sep. 13 Oct. 11 Nov. 4 Dec. 9	28.5 27.9 26.7 25.1 24.7 23.7 25.0 26.4 28.1 29.3 30.0 29.9
D-776c-J-20 555.1	Mar. 29 Dec. 15	a 5.1 a 8.2	D-783-K-21 540.3	Jan. 18 Feb. 3 Mar. 8 Apr. 12 May 6 June 7 Aug. 9 Sep. 13 Oct. 11 Nov. 4 Dec. 13	32.0 31.6 31.8 32.0 32.1 32.3 32.8 33.1 33.2 33.3 33.4
D-776e-J-21 573.7	Jan. 11 Feb. 2 Mar. 29 Apr. 7 June 7 Aug. 9 Sep. 6 Nov. 4 Dec. 2	5.5 4.4 a 2.7 3.9 7.4 11.9 12.3 11.9 a 9.5			
D-777a-J-20 538.0	Mar. 28 Dec. 15	a 3.0 a 4.9			
D-780-K-20 523.7	Jan. 14 Feb. 2 Mar. 4 Apr. 7 May 6 June 7 July 5 Aug. 9 Oct. 7	16.6 16.0 15.7 15.2 15.8 17.0 17.7 20.0 19.8			

* Correction to all previous bulletins: R.P. elevation should be as shown, from levels by S.B.Co.F.C.D.

a Meas. from S.B.Co.F.C.D.

All measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
D-784d-K-21 501.7	Jan. 14	1.1	D-802-K-21 545.6	Jan. 18	27.8
	Feb. 3	0.6		Feb. 8	28.4
	Mar. 4	0.3		Mar. 18	31.2
	Apr. 7	0.3		June 7	34.0
	May 6	5.8		July 13	34.7
	June 7	4.4		Oct. 11	34.2
	July 5	6.2		Nov. 15	31.4
	Aug. 9	7.6		Dec. 13	30.8
	Sep. 6	14.2			
	Oct. 7	6.3	D-812-K-22 562.8	Jan. 6	31.6
	Nov. 4	6.9		Feb. 1	30.4
	Dec. 9	3.8		Mar. 3	30.0
D-788-K-21 479.3	Mar. 28 a	4.8		May 3	31.8
	Nov. 14 a	6.4		Nov. 1	34.0
	Dec. 16 a	6.1		Dec. 6	32.1
D-788a-K-21 489.5	Jan. 7	6.4	D-813-K-22 547.4	Jan. 6	8.5
	Feb. 11	5.3		Feb. 1	8.5
	Mar. 8	5.4		Mar. 3	8.2
	Apr. 8	4.9		Apr. 5	8.3
	May 10	5.7		May 3	9.0
	June 14	6.6		July 1	9.5
	July 14	7.8		Sep. 30	10.3
	Aug. 12	8.6		Oct. 4	9.8
	Sep. 13	9.2		Nov. 1	9.1
	Oct. 11	8.9		Dec. 6	8.4
	Nov. 15	8.4	D-902a-I-21 751.5	Jan. 11 a	98.1
	Dec. 21	7.9		Apr. 5 a	99.2
D-789-L-21 477.6	Jan. 7	9.7		Dec. 21 a	105.3
	Feb. 4	9.0	D-903-I-21 695.4	Mar. 30 a	53.8
	Mar. 11	8.8		Dec. 16 a	53.7
	Apr. 12	9.3	D-905-J-21 632.2	Feb. 1	29.0
	May 16	9.8		Apr. 5	23.1
	June 14	10.5	D-905a-J-21 622.6	Jan. 6	23.5
	July 6	11.8		Mar. 3	20.2
	Aug. 12	12.3		Dec. 6	29.2
	Sep. 13	12.5	D-906b-J-21 594.1	Feb. 1	7.0
	Oct. 18	9.3		Mar. 3	5.9
	Nov. 15	10.7		June 3	18.7
	Dec. 13	9.5		Nov. 1	23.6
D-801-K-21 *563.8	Mar. 25 a	17.2			
	Dec. 14 a	18.5			

* Correction to all previous bulletins: R.P. elev. should be 563.8 to and including May 9, 1931, then 564.6 to and including January 22, 1941, then 563.8, from levels by S.B.Co.F.C.D.
 a Meas. from S.B.Co.F.C.D.
 Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
	1949			1949	
D-906d-J-21 *602.8	Mar. 25 Dec. 14	a 10.1 a 10.6	D-918d-J-22 599.8	Mar. 25 Nov. 14 Dec. 16	a 27.6 a 31.4 a 30.7
D-906i-J-21 563.6	Mar. 25 Nov. 14	a 6.1 a 9.0	D-919c-J-22 627.9	Mar. 25	a 48.4
D-907a-J-22 606.9	Mar. 25 Dec. 14	a 9.6 a 12.3	D-921a-J-22 663.4	Mar. 24 Dec. 13	a 32.1 a 34.1
D-908a-J-22 626.0	Dec. 14	a 24.4	D-922-I-22 726.6	Dec. 12	a 87.7
D-909-J-22 659.0	Jan. 6 Mar. 3 Apr. 1 Aug. 2 Nov. 1 Dec. 6	40.4 35.4 37.4 50.3 48.5 45.0	D-922c-I-22 712.6	Jan. 24 Dec. 13	a 67.1 a 68.9
D-910-I-22 725.5	Dec. 16	a 84.3	D-923-I-22 753.1	Jan. 10 Dec. 12	a 94.8 a 95.3
D-913-I-22 828.2	Jan. 10 Apr. 5 Dec. 20	a 157.7 a 154.6 a 158.8	D-928-I-23 702.6	Jan. 6 Mar. 2 Apr. 1 May 3 June 3 Aug. 30 Oct. 4 Nov. 1	60.8 59.2 59.0 60.8 62.1 68.3 64.0 63.8
D-914-I-22 780.0	Jan. 10 Apr. 5 Dec. 12	a 118.8 a 117.5 a 120.0	D-928a-J-23 681.3	Mar. 24 Dec. 13	a 42.4 a 45.2
D-915-I-22 718.1	Jan. 6 Mar. 2 Apr. 1 May 3 Aug. 2 Aug. 30 Oct. 4 Nov. 1 Dec. 6	77.0 75.6 75.1 77.1 82.9 85.4 85.7 85.8 79.6	D-929-J-23 646.4	Mar. 24 Dec. 2	a 46.5 a 50.1
D-918b-J-22 612.1	Jan. 6 Mar. 3 Apr. 5 May 3 June 3 July 1	17.2 15.1 17.3 21.0 20.5 23.0	D-929a-J-23 652.6	Jan. 6 Jan. 25 Mar. 2 May 3 Dec. 6	44.8 44.5 44.1 47.4 45.9
			D-934-I-23 716.0	Mar. 24 Dec. 13	a 65.2 a 67.0
			D-935-I-23 785.3	Jan. 10 Apr. 4 Dec. 12	a 115.4 a 115.0 a 120.2

* Correction to all previous bulletins: R.P. elev. 602.4 to and including January 22, 1941; then 602.8, levels by S.B.Co.F.C.D. a Meas. from S.B.Co.F.C.D. Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
D-936a-I-23 846.0	Apr. 4 Dec. 9	a 137.8 a 138.1	D-986-I-26 Cont.	Mar. 27 Apr. 23 May 28 June 29 July 30 Aug. 31 Nov. 30 Dec. 31	b 57.0 b 57.7 b 59.2 b 61.9 b 59.8 b 60.5 b 59.3 b 59.3
D-939b-I-23 717.6	Dec. 12	a 84.0			
D-940b-J-23 701.3	Mar. 23 Nov. 14 Dec. 16	a 66.8 a 68.6 a 68.1			
D-957-I-24 734.9	Mar. 23	a 15.2	D-1001b-G-21 1420.3	Jan. 2 Feb. 1 Mar. 2 Apr. 2 May 2 June 1 July 1 Aug. 1 Sep. 1 Oct. 1 Nov. 1 Dec. 1	141. 131. 117. 111. 109. 127. 136. 157. 169. 178. 191. 165.
D-975c-I-25 817.6	Mar. 23 Dec. 5	a 46.6 a 48.0			
D-975d-I-25 770.7	Jan. 29 Mar. 27 May 28 July 30 Sep. 30 Nov. 30	b 13.6 b 14.6 b 13.1 b 14.0 b 14.3 b 13.8			
D-976a-J-25 760.8	Jan. 29 Apr. 23	b 4.3 b 5.5	D-1001g-G-21 1360.6	Jan. 2 Feb. 1 Mar. 2 Apr. 2 May 2 June 1 July 1 Aug. 1 Sep. 1 Oct. 1 Nov. 1 Dec. 1	82. 71. 63. 62. 62. 70. 94. 135. 142. 152. 162. 130.
D-983c-I-26 851.0	Feb. 28 Mar. 27 Apr. 23 July 30 Aug. 31 Sep. 30 Oct. 24 Nov. 30 Dec. 31	b 56.4 b 56.5 b 56.6 b 56.8 b 56.7 b 56.7 b 57.1 b 56.9 b 56.9			
D-984d-I-26 946.4	Dec. 2	a 114.2	D-1001i-G-21 1396.1	Jan. 2 Feb. 1 Mar. 2 Apr. 2 May 2 June 1 July 1 Aug. 1 Sep. 1 Oct. 1 Nov. 1 Dec. 1	112. 97. 88. 80. 100. 103. 135. 146. 157. 170. 172. 164.
D-985c-I-26 895.9	Jan. 29 Feb. 28 Oct. 24 Nov. 30 Dec. 31	b 70.9 b 70.4 b 74.5 b 73.5 b 72.5			
D-986-I-26 876.4	Jan. 29 Feb. 28	b 57.2 b 57.0			

a Meas. from S.B.Co.F.C.D.
b Meas. from Riverside Cement Co.
Measts. from owner except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
D-1002-G-21 1269.0	Jan. 18 Apr. 8 Dec. 23	63.1 66.3 75.7	D-1043-H-24 882.9	Jan. 7 Apr. 4	128.4 123.9
D-1002b-G-21 1164.3	Apr. 11 Dec. 23	408.4 459.2	D-1043b-H-24 937.0	Jan. 7 Apr. 1 Dec. 9	168.9 168.8 170.6
D-1005a-H-21 906.2	Jan. 17 Apr. 5 Dec. 21	195.9 196.5 199.1	D-1044-H-24 959.0	Jan. 7 Apr. 1 Nov. 2 Dec. 2	187.2 187.2 188.7 189.1
D-1007b-H-22 870.8	Jan. 10 Apr. 5 Dec. 20	152.9 150.1 154.5	D-1050a-G-24 1246.1	Feb. 28 May 31 Aug. 30 Nov. 29	a 444.6 a 446.4 a 448.0 a 449.0
D-1012b-G-22 1322.0	Jan. 18 Apr. 11 Dec. 23	75.8 74.8 80.1	D-1052-H-24 1079.8	Feb. 28 May 31 Aug. 30 Nov. 29	a 292.6 a 291.4 a 293.3 a 293.7
D-1014-G-22 1203.6	Jan. 18	413.0	D-1053-H-24 1024.9	Feb. 28 May 31 Aug. 30 Nov. 29	a 235.9 a 235.2 a 236.4 a 236.9
D-1022-G-22 *1078.3	Jan. 18 Apr. 11 Dec. 7	319.0 317.9 319.4	D-1054c-H-24 963.8	Jan. 7 Apr. 1 Dec. 19	170.8 169.0 165.8
D-1024-G-22 1331.3	Apr. 11 Dec. 7	474.0 483.0	D-1055-H-24 979.9	Jan. 5 Apr. 1 May 31 Dec. 9	187.4 188.1 a 185.4 189.6
D-1029-H-23 974.6	Jan. 12 Apr. 7 Dec. 6	227.1 226.7 227.2	D-1059-G-24 1210.5	Feb. 28 Aug. 30 Nov. 29	a 406.9 a 409.0 a 410.2
D-1030-H-23 862.6	Jan. 7 Apr. 4 Dec. 2	172.8 173.5 174.9	D-1062-G-25 1248.8	Feb. 28 May 31 Nov. 29	a 430.1 a 429.8 a 432.9
D-1031-H-23 902.0	Jan. 17 Apr. 4 Dec. 9	154.7 154.0 154.6	D-1062a-G-25 1236.4	Feb. 28 May 31 Aug. 30 Nov. 29	a 423.7 a 423.4 a 425.7 a 427.7
D-1033-H-23 1046.8	Jan. 12 Apr. 7 Dec. 5	279.6 279.2 284.0			
D-1037-G-23 1194.6	Jan. 19 Apr. 12 Dec. 7	410.1 423.4 418.5			

* New elevation; R.P. changed.
a Air gage meas. from Fontana Union Water Company.
Measts. from S.B.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
1949					
D-1064-H-25 1107.5	Feb. 28	a 299.2	D-1072a-G-25 Cont.	Mar. 14	a 244.5
	May 31	a 298.7		Apr. 14	a 242.2
	Aug. 30	a 301.0		May 13	a 248.2
	Nov. 29	a 302.0		July 1	a 278.2
D-1064a-H-25 1156.9	Feb. 28	a 345.7		Aug. 15	a 275.0
	May 31	a 345.7		Sep. 13	a 284.0
	Aug. 30	a 348.4		Oct. 13	a 293.0
	Nov. 28	a 347.7		Nov. 14	a 300.6
				Dec. 15	a 286.1
D-1064b-H-25 1142.5	Feb. 28	a 336.8	D-1075-G-25 1180.8	Feb. 28	a 323.3
	May 31	a 336.4		May 31	a 323.3
	Aug. 30	a 338.4		Aug. 30	a 324.0
	Nov. 29	a 338.7		Nov. 29	a 324.6
D-1065-H-25 1050.0	Jan. 12	244.8	D-1075a-G-25 1228.7	Feb. 28	a 375.4
	Feb. 28	a 244.8		May 31	a 375.3
	Apr. 7	244.8		Sep. 7	a 376.7
	May 31	a 244.7		Nov. 30	a 377.5
	Dec. 2	246.3			
D-1066-H-25 1024.5	Apr. 7	222.8	D-1077-H-25 1130.2	Apr. 1	101.0
				Dec. 8	102.2
D-1068-H-25 1082.4	Jan. 12	246.2	D-1081-H-26 1105.7	Jan. 29	b 245.2
	Feb.	b 247.4		Feb. 28	b 244.9
	Apr.	b 247.4		Apr. 23	b 244.6
	Apr. 7	246.4		May 28	b 245.0
	May	b 259.6		June 29	b 245.5
	June	b 245.4		July 30	b 246.0
	Dec. 6	a 247.6		Aug. 31	b 246.4
				Sep. 30	b 246.8
D-1072-G-25 1409.9	Jan. 14	a 253.5		Oct. 24	b 247.0
	Feb. 14	a 248.6		Nov. 30	b 246.9
	Mar. 14	a 244.7		Dec. 31	b 246.8
	Apr. 14	a 243.1	D-1084-G-26 1352.1	Feb. 28	288.9
	May 13	a 248.2		Apr. 12	298.7
	Aug. 15	a 319.3		May 31	291.6
	Sep. 13	a 326.3		Dec. 7	294.1
	Oct. 13	a 330.9	D-1085a-G-26 1346.6	Feb. 28	a 292.1
	Nov. 14	a 293.0		Apr. 12	304.1
	Dec. 13	a 278.9		May 31	a 294.6
D-1072a-G-25 1409.6	Jan. 14	a 252.8		Dec. 7	304.1
	Feb. 14	a 248.2			

a Air gage meas. from Fontana Union Water Co.
 b Meas. from owner.
 Measts. from S.B.Co.F.C.D. except as noted.

Well Number and H.P. Elev..	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
D-1088-H-26 1037.6	Jan. Feb. Apr.	a 171.9 a 171.7 a 170.5	D-1161-E-25 Cont.	Nov. 14 Dec. 15	93.6 93.7
D-1090-H-26 967.6	Apr. 1 Dec. 8	b 107.0 b 108.5	D-1162a-E-25 2068.9	Jan. 14 Feb. 14 Mar. 14 Apr. 11 Aug. 15 Sep. 13 Oct. 13 Nov. 14 Dec. 15	123.2 117.4 92.3 85.0 117.0 123.9 124.7 125.1 122.8
D-1092c-H-26 870.1	Mar. 23 Dec. 5	b 6.2 b 11.1			
D-1092d-H-26 999.7	Jan. 5 Apr. 1 Dec. 8	b 124.0 b 123.6 b 123.2			
D-1095-G-26 1177.2	Jan. Feb. Apr.	a 185.4 a 183.8 a 183.5	D-1164-E-25 1806.6	Feb. 28 May 31 Aug. 30 Nov. 29	161.3 155.9 156.7 161.2
D-1105-F-21 1684.4	Apr. 20 June 1 Nov. 2 Dec. 14	a 335.6 a 349.0 a 397.0 a 395.2	D-1165-F-25 1625.6	Mar. 8 May 31 Nov. 11	351.4 363.0 361.0
D-1105e-F-21 1635.	Apr. 11 Dec. 27	b 260.2 b 274.9	D-1166-F-25 1525.4	Dec. 7	276.1
D-1108-F-22 1694.	Jan. 18 Apr. 11 Dec. 23	b 300.0 b 293.0 b 295.7	D-1177a-F-25 1514.2	Feb. 28 May 31 Aug. 30 Nov. 29 Dec. 7	397.9 391.7 390.2 391.2 390.
D-1116-F-22 1700.	Dec. 27	b 255.6	D-1181c-F-26 1572.2	Apr. 14	*
D-1116a-F-22 1900.	Jan. 18 Apr. 12 Dec. 27	b 250.0 b 258.4 b 271.5	D-1182b-E-26 1598.9	Jan. 14 Feb. 14 Mar. 14 Apr. 14 May 13 June 13 July 14 Aug. 15 Sep. 13 Oct. 13 Nov. 14 Dec. 15	293.5 294.0 295.3 295.6 298.4 302.3 307.4 312.7 316.7 322.5 327.4 330.9
D-1116b-F-22 1950.	Dec. 27	b 290.0			
D-1161-E-25 2244.1	Jan. 14 Feb. 14 Mar. 14 Aug. 15 Sep. 13 Oct. 13	87.0 71.2 63.5 85.0 89.0 93.0			

* Dry at 111.6.

a Meas. from owner.

b Meas. from S.B.Co.,F.C.,D.

Measts. from Fontana Union Water Co. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
D-1182c-E-26 1550.5	Jan. 14	251.6	D-1189-F-26 Cont.	Apr. 18 a	148.
	Feb. 14	252.1		May 16 a	169.
	Mar. 14	251.2		June 13 a	173.
	Apr. 14	250.9		July 4 c	180.
	Aug. 15	280.0		Aug. 1 c	173.
	Sep. 13	283.0		Sep. 5 c	185.
	Oct. 13	289.0		Oct. 3 c	184.
	Nov. 14	289.0		Nov. 7 c	189.
	Dec. 15	292.0		Dec. 5 c	181.
D-1184-E-26 1879.0	Feb. 4 a	150.4	D-1192c-F-26 1367.5	Jan. c	154.1
	Apr. 18 a	149.6		Feb. c	142.1
	Sep. 7 b	166.3		Apr. c	155.4
	Oct. 26 b	163.2		May c	185.6
	Dec. 8 b	158.6		June c	209.4
				Dec. c	203.2
D-1188a-F-26 1455.9	Jan. 14	170.4	D-1253-D-24 2760.	Jan. 14	14.9
	Feb. 14	169.1		Feb. 14	15.5
	Mar. 14	167.4		Mar. 14	15.3
	Apr. 14	166.2		Apr. 14	16.0
	Nov. 14	208.5		May 13	16.1
D-1188h-F-26 1496.4	Feb. 4 a	79.7		June 13	16.7
	Oct. 26 b	107.7		July 14	17.2
	Dec. 8 b	95.6		Aug. 15	17.6
				Sep. 13	18.0
D-1189-F-26 1363.	Jan. 3 a	149.		Oct. 13	19.2
	Feb. 7 a	144.		Nov. 14	17.6
	Mar. 7 a	140.		Dec. 15	17.6

a Meas. from S.B.V.W.C.D.

b Meas. from S.B.W.D.

c Meas. from owner.

Measts. from Fontana Union Water Co. except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in District "E"

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
E-2-E-27 1621.9	Feb. 3	167.6	E-6-F-27	Oct. 17	213.0
	Mar. 18	174.7	Cont.	Nov. 16	203.0
	Apr. 18	173.9		Dec. 14	204.9
	May 19	185.4	E-7-G-27	Jan.	b 57.4
	June 19	181.6	1162.0	Feb.	b 56.1
	July 20	177.1		Apr.	b 55.7
	Sep. 7	178.7	E-8a-G-27	Feb. 8	178.7
	Oct. 25	180.9	1200.1	Apr. 22	184.1
	Nov. 15	181.5		Oct. 26	175.0
	Dec. 8	182.7		Dec. 9	185.6
E-2a-E-27 1531.2	Feb. 4	198.3	E-10-E-27	Feb. 4	150.3
	Mar. 18	199.1	1412.0	Mar. 18	149.1
	July 11	214.0		Apr. 18	149.8
	Aug. 9	223.3		May 19	153.1
	Sep. 7	230.4		June 27	154.9
	Oct. 26	234.4		July 25	159.4
	Nov. 16	214.6		Aug. 12	160.3
	Dec. 8	210.5		Sep. 5	161.6
E-4a-F-27 1303.4	Feb. 4	169.1		Oct. 7	160.2
	Apr. 22	170.9		Nov. 18	163.1
	July 12	174.4	E-15-G-27	Dec. 8	162.3
	Sep. 9	180.4	1116.2	Feb. 8	26.0
	Oct. 26	180.8		Apr. 22	36.5
	Dec. 8	179.6		July 7	44.7
E-5d-F-27 1279.8	Feb. 4	190.8		Sep. 9	47.8
	Apr. 22	201.5		Oct. 26	48.0
	July 12	219.5		Dec. 9	41.7
	Sep. 8	226.3	E-22-G-27	Feb. 8	16.9
	Oct. 26	224.7	1082.9	Apr. 19	18.5
	Dec. 8	229.8		July 7	25.4
E-5e-F-27 1258.4	June 27	137.0		Sep. 9	27.3
	Oct. 28	145.3		Oct. 27	25.6
	Dec. 20	146.9		Dec. 13	24.7
E-6-F-27 1248.0	Jan. 7	167.1	E-23-G-27	Mar. 22	21.1
	Feb. 4	160.5	1069.9	May 19	25.2
	Mar. 22	153.6		July 15	31.1
	Apr. 25	174.0		Sep. 9	33.0
	May 19	179.2		Oct. 27	31.2
	June 1	179.3	E-26-F-27	Feb. 4	63.3
	July 15	194.5	1169.9	Apr. 19	63.7
	Aug. 16	197.0			
	Sep. 9	204.2			

a Pumping nearby.

b Meas. from owner.

Measts. from S.B.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist. R.P. to water surface, Ft.
	1949			1949	
E-27-F-28 1110.1	Feb. 4 Apr. 22 July 14 Sep. 8 Oct. 26 Dec. 8	27.6 30.4 29.4 31.2 34.7 36.1	E-36-F-28 1161.8	Feb. 4 Mar. 22 May 19 June 28 July 25 Aug. 11 Sep. 15 Nov. 15 Dec. 19	73.8 b 67.6 71.4 77.9 81.1 79.8 84.1 79.1 81.6
E-29-G-28 1031.3	Feb. 10 Mar. 22 Apr. 26 May 19 June 28 July 29 Aug. 12 Sep. 13 Nov. 17 Dec. 6	+58.9 +55.4 +42.7 +46.2 +41.6 +32.3 +30.0 +30.0 +40.3 +39.3	E-37-F-28 1130.3	Feb. 9 Apr. 19 July 12 Sep. 8 Oct. 26 Dec. 8	36.2 47.7 55.9 59.5 57.3 53.3
E-29b-G-27 1047.5	Feb. 8 Apr. 20 Dec. 15	+11.4 + 2.0 + 2.6	E-42-G-28 1059.3	Feb. 1 Mar. 22 Apr. 25 May 29 Aug. 18 Oct. 24 Dec. 22	+30.0 +34.6 + 6.9 + 5.8 c 2.0 c 0.9 +22.0
E-31-G-28 1092.9	Feb. 4 Apr. 19 July 14 Sep. 8 Nov. 24 Dec. 15	24.1 22.4 25.3 23.4 21.8 24.6	E-43-G-28 1053.8	Feb. 1 Apr. 20 July 7 Sep. 15 Oct. 24 Dec. 6	+46.2 +32.9 +19.6 +13.9 +17.3 +25.4
E-31a-F-28 1133.8	Dec. 6	a			
E-34b-F-28 1319.2	Feb. 3 Apr. 21 July 12 Sep. 7 Oct. 25 Dec. 7	169.4 164.6 165.9 167.3 168.9 173.5	E-44-F-28 1203.6	Feb. 2 Apr. 21 July 8 Sep. 7 Oct. 5 Dec. 7	90.3 b 90.6 92.0 93.2 103.8 104.9
E-35c-F-28 1227.0	Feb. 3 Apr. 18 July 12 Sep. 7 Oct. 25 Dec. 7	120.4 118.2 126.8 131.7 132.2 142.7	E-45-F-28 1145.3	Feb. 3 Apr. 21	58.3 b 57.0
			E-45e-F-29 1212.5	Feb. 2 Sep. 7 Dec. 7	105.8 124.7 122.3

a Dry at 42.0 feet.

b Meas. from S.B.V.W.C.D.

c Wells nearby flowing.

Measts. from S.B.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
E-46-G-28 1085.5	Feb. 4 Apr. 22 July 14 Sep. 8 Oct. 26 Dec. 8	9.1 10.4 12.3 14.2 14.2 13.5	E-57-G-29 Cont.	Aug. 24 Sep. 6 Oct. 24 Dec. 6	92.2 93.6 101.4 97.3
E-49-F-29 1269.8	Feb. 2 Apr. 21 July 8 Sep. 7 Oct. 25 Dec. 12	152.6 158.5 169.1 173.6 175.1 166.2	E-59-G-29 1239.1	Feb. 2 Apr. 21 July 7 Aug. 24 Sep. 22 Oct. 24 Dec. 6	96.0 96.7 97.5 103.9 118.1 117.4 108.8
E-49d-F-29 1282.5	Feb. 2	163.1	E-59a-G-30 1266.5	Feb. 10 Aug. 16 Oct. 24 Dec. 6	115.0 119.5 127.0 127.6
E-50a-F-29 1150.1	Feb. 1 Apr. 20 July 7 Sep. 6 Oct. 24 Dec. 6	34.8 39.6 49.7 60.8 54.9 50.5	E-61d-G-30 1397.4	Jan. 18 Mar. 28 May 26 Sep. 2 Nov. 22 Dec. 29	a 147.9 a 147.0 a 146.4 a 160.6 a 158.1 a 158.6
E-54-F-29 1412.9	Feb. 2 Sep. 6 Oct. 28 Dec. 14	273.0 282.9 286.6 285.3	E-62a-G-30 1541.6	Feb. 2 Apr. 19 Sep. 6 Oct. 28 Dec. 7	265.5 269.7 267.5 275.0 272.6
E-55b-G-29 1284.7	Feb. 2 Apr. 21 Sep. 7 Oct. 25 Dec. 7	151.6 151.4 162.7 169.8 168.1	E-67h-I-26 862.6	Jan. 29 Feb. 28 Apr. 22 May 28 June 29 July 30 Aug. 31 Sep. 30 Oct. 24 Nov. 30 Dec. 31	d 8.8 d 5.8 d 7.6 d 9.0 d 10.4 d 11.4 d 12.0 d 12.4 d 12.8 d 12.4 d 11.8
E-56i-G-29 1207.6	Feb. 1	c			
E-57-G-29 1222.2	Jan. 21 Feb. 2 Mar. 26 Apr. 26 July 7	a 86.5 85.9 a 82.3 a 81.9 87.5			

a. Meas. from S.B.V.W.C.D.

b Pumping nearby.

c Obstruction at 87 feet.

d Meas. from owner.

Measts. from S.B.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
E-68g-I-26 827.	Jan. 3	12.1	E-75-H-27	Aug. 31 a	38.7
	Feb. 1	10.3	Cont.	Sep. 30 a	41.6
	Mar. 8	10.2		Oct. 24 a	43.8
	May 3	10.8		Nov. 30 a	43.1
	June 1	11.1		Dec. 31 a	40.7
	July 5	12.5			
	Aug. 2	13.5	E-78-G-27	Jan. 31 a	28.7
	Sep. 1	15.0	1094.5	Feb. 28 a	32.5
	Oct. 3	13.7		Mar. 29 a	29.3
	Nov. 1	15.0		Apr. 29 a	76.3
	Dec. 1	12.7		May 30 a	79.0
				June 30 a	98.0
E-74-I-27 882.6	Jan. 3	50.7		July 29 a	90.0
	Feb. 1	50.6		Aug. 29 a	87.0
	Mar. 8	50.5		Sep. 29 a	85.0
	Apr. 5	49.2		Oct. 28 a	80.0
	May 3	49.0		Nov. 29 a	75.0
	June 1	49.5		Dec. 29 a	60.0
	July 5	51.6			
	Aug. 2	53.2	E-85-G-27	Feb. 8 b	15.8
	Sep. 1	53.3	1054.9	Apr. 20 c	18.9
	Oct. 3	52.9		July 7 b	33.5
	Nov. 1	52.5		Sep. 9 b	39.6
	Dec. 1	52.3		Oct. 27 b	34.1
				Dec. 9 b	31.4
E-74i-I-27 963.3	Jan. 3	108.7			
	Feb. 1	108.3	E-90b-H-27	Jan. 29 a	3.9
	Mar. 8	107.3	959.6	May 28 a	9.0
	Apr. 5	106.4		July 30 a	12.9
	May 3	106.1		Sep. 30 a	15.4
	June 1	106.0		Nov. 30 a	14.7
	July 5	106.7			
	Aug. 2	107.1	E-93-G-28	Feb. 8 b	+46.2
	Sep. 1	108.0	1011.8	Apr. 5 c	+34.7
	Oct. 3	109.3		July 15 b	+27.7
	Nov. 1	110.0		Sep. 9 b	+23.1
	Dec. 1	110.5		Oct. 27 b	+27.7
				Dec. 13 b	+32.9
E-75-H-27 921.2	Jan. 29 a	31.4			
	Feb. 28 a	24.4	E-95-H-27	Mar. 27 a	85.1
	Mar. 27 a	21.5	1013.7	May 28 a	85.3
	Apr. 22 a	22.2			
	May 27 a	25.1	E-95a-H-27	Jan. 29 a	48.3
	June 29 a	29.0	969.7	Mar. 27 a	40.1
	July 30 a	34.7		May 28 a	47.3

a Meas. from owner.

b Meas. from S.B.W.D.

c Meas. from S.B.V.W.C.D.

Measts. from Riv. W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
E-97-G-28 1061.6	Feb. 8 Apr. 25 July 15 Sep. 12 Oct. 27 Dec. 13	a 4.9 38.1 a 45.4 a 46.7 a 49.2 a 36.4	E-109-G-29 Cont.	Apr. 2 May 7 June 4 July 2 July 30 Sep. 3 Oct. 1 Oct. 29 Dec. 3	b 34.8 b 35.8 b 37.9 b 40.2 b 42.5 b 45.2 b 47.2 b 49.0 b 49.5
E-102s-H-28 1069.7	Feb. 2 Apr. 26 July 15 Sep. 12 Oct. 28 Dec. 13	a +11.6 20.3 a 31.1 a 34.5 a 33.4 a 28.1	E-109b-G-29 1254.8	Jan. 21 Mar. 31	91.7 87.3
E-103g-H-28 1132.0	Mar. 25 June 1 Sep. 10 Oct. 27	48.7 69.0 66.2 67.1	E-110-H-29 1207.2	Mar. 28 June 27 Sep. 28 Nov. 29	51.7 54.7 57.6 57.3
E-104-H-28 1310.5	Mar. 30 June 1 Sep. 10 Oct. 27	206.4 214.1 226.7 226.0	E-111-H-29 1249.2	Mar. 29 June 1	89.4 92.8
E-106c-H-29 1163.9	Mar. 29 June 2 Sep. 28 Nov. 2	40.6 a 48.2 57.8 54.6	E-111a-H-29 1203.4	Mar. 29 May 25	42.7 45.1
E-106f-H-29 1140.9	Mar. 28	47.8	E-111h-H-29 *1246.5	Mar. 29 May 9 June 2 Sep. 9 Nov. 2	58.0 59.8 60.5 64.3 65.1
E-107b-H-29 1206.9	Jan. 6 Mar. 29 June 1 June 27 Sep. 9 Oct. 27 Nov. 29	80.5 72.6 87.1 90.6 101.6 109.6 92.0	E-113-G-29 1293.1	June 3 Sep. 5 Nov. 28	119.0 116.8 118.1
E-107d-H-29 1217.8	Mar. 29 June 1 Sep. 9 Oct. 31	68.2 a 69.8 72.0 72.7	E-114-H-29 1322.3	Mar. 31 June 3 Sep. 5 Nov. 4	123.1 132.1 145.6 145.5
E-109-G-29 1150.2	Jan. 1 Mar. 5	b 40.0 b 36.0	E-117-I-30 1438.6	Jan. 9 Mar. 29 Oct. 31	77.3 74.6 89.0
			E-118a-G-30 1346.7	Jan. 18 Mar. 28 May 26 June 25	128.5 124.9 131.7 136.4

* New elev.; R.P. changed.

a Meas. from S.B.W.D.

b Meas. from owner.

Measts. from S.B.V.W.C. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
E-119a-H-30 1397.7	Jan. 18	181.7	E-127-G-31	Nov. 22	91.2
	Mar. 31	177.9	Cont.	Dec. 28	90.4
	May 25 a	186.1	E-127a-H-31	Jan. 17	162.0
	June 25	186.8	1724.8	Mar. 31	160.3
	Sep. 5 a	198.2		May 6	165.7
	Nov. 4 a	211.3		June 25	166.9
	Dec. 30	193.6			
E-120-H-30 1523.5	Jan. 9	135.8	E-127b-G-31	Jan. 17	227.9
	Feb. 28	143.2	1765.7	Mar. 31	226.6
	Mar. 30	143.5		May 25	228.2
	May 9	144.6		Sep. 3	233.5
	Sep. 5	152.8		Oct. 29	237.2
	Oct. 31	164.9		Dec. 28	233.8
	Nov. 22	159.8	E-127d-H-31	Jan. 3	84.1
	Dec. 28	161.1	1836.2	Mar. 31	79.1
E-122-I-30 1513.3	Jan. 9	75.3		May 25	78.8
	Mar. 29	75.3		Sep. 2	84.8
	June 3	75.8		Oct. 28	93.2
	Sep. 9	76.8		Dec. 28	89.2
E-123c-H-30 1521.0	Jan. 18	241.0	E-128-H-31	Jan. 17	131.5
	Feb. 28	234.2	1710.5	Mar. 31	120.2
	Mar. 31	231.6		May 25	123.6
	May 25	243.4		Dec. 28	139.3
	Nov. 17	261.7	E-131e-H-32	Jan. 3	51.4
	Dec. 30	255.1	2198.9	Apr. 1	37.8
E-124-H-30 1608.5	Apr. 1	96.1		May 25	34.2
	May 26	97.9		Oct. 28	71.4
	Sep. 5	125.2		Nov. 22	51.9
	Oct. 31	132.2		Dec. 28	46.9
	Dec. 28	120.5	E-132-I-32	Apr. 6	131.8
E-124d-H-31 1825.5	Apr. 1	258.7	2131.8	Oct. 1	134.2
	May 26	255.3			
	June 25	258.2	E-136-I-32	Apr. 6 c	109.6
	Sep. 30 b		2292.6	Oct. 1 c	126.6
E-127-G-31 1907.0	Jan. 17	92.9	E-136c-I-32	Apr. 6 c	174.4
	Mar. 31	91.5	2360.2	Oct. 1 c	207.2
	May 25	89.5			
	June 24	110.1	E-136f-I-32	Apr. 6 c	228.0
	Sep. 2	104.0	2424.7	Oct. 2 c	242.8

a Pumping nearby.

b Dry at 267 feet.

c Meas. from J.N. Hicks.

Measts. from S.B.V.W.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
E-136i-I-32 2392.6	Apr. 6 Oct. 1	a 200.0 a 224.3	E-149d-K-22 570.9	Feb. 17 Mar. 22 Apr. 20 May 20 June 21 Aug. 23 Sep. 23 Oct. 21 Dec. 27	47.6 b 47.0 b 47.7 48.7 b 49.7 b 50.8 b 50.9 50.1 48.1
E-137-H-32 2653.5	Apr. 6 Oct. 1	a 230.8 a 241.8			
E-138-I-32 2419.8	Apr. 6	a 212.9			
E-138f-I-33 2623.2	Apr. 6 Oct. 1	a 383.7 a 378.7	E-149i-K-22 587.9	Feb. 2 Mar. 9 Apr. 4 May 2 June 2 July 6 Aug. 3 Oct. 4 Nov. 2 Dec. 2	c 55.3 c 55.3 c 55.7 c 56.1 c 55.6 c 55.7 c 56.1 c 56.1 c 55.7 c 55.7
E-139a-H-33 2816.9	Apr. 6 Nov. 1	a 280.5 a 288.8			
E-140-H-33 3107.7	Apr. 6	a 60.6			
E-141-I-33 2812.6	Apr. 6	a 62.4			
E-147b-K-21 493.8	Jan. 18 Mar. 10 Apr. 19 May 17 July 15 Sep. 20 Oct. 18 Nov. 22 Dec. 20	2.4 2.4 2.5 2.5 3.4 3.4 3.1 3.0 1.6	E-150-K-22 602.7	Jan. 4 Feb. 2 Mar. 9 Oct. 4 Nov. 2 Dec. 2	c 88.0 c 87.2 c 87.0 c 89.4 c 88.2 c 87.5
E-147c-L-21 501.8	Jan. 18 Feb. 15 Mar. 10 Mar. 17 Apr. 19 May 17 June 17 July 15 Aug. 16 Sep. 24 Oct. 18 Nov. 22 Dec. 20	3.0 2.8 2.7 2.7 2.8 3.0 3.7 4.2 4.6 4.9 4.7 4.5 3.8	E-150b-K-22 567.0	Jan. 20 Feb. 17 Mar. 22 Apr. 20 May 20 June 21 July 26 Sep. 23 Oct. 21 Nov. 25 Dec. 27	49.2 48.0 47.6 49.2 51.3 51.8 53.4 53.8 52.0 50.4 48.9
			E-151-K-22 *526.0	Jan. 20 Feb. 17 Mar. 18 Sep. 23	14.0 14.0 11.6 15.5

* Correction: Beginning January 26, 1943, R.P. elev should be 526.0, from levels by O. Co. F.C.D.

a Meas. from J.N. Hicks.

b Pumping nearby.

c Meas. from Riv. W.D.

Measts. from O.Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
E-151f-K-22 553.6	Jan. 20	a 27.8	E-165d-K-24 700.1	Jan. 4	12.0
	Feb. 17	a 27.6		Feb. 2	9.6
	Mar. 22	a 27.0		Mar. 9	8.3
	Apr. 20	a 27.2		Apr. 4	7.9
	May 20	a 28.2		Dec. 2	14.9
	June 21	a 28.5	E-172-J-25 736.5	Jan. 4	6.7
	July 26	a 29.5		Feb. 2	7.1
	Aug. 23	a 29.8		Mar. 9	6.5
	Sep. 23	a 31.4		Apr. 4	6.8
	Oct. 21	a 30.4		June 2	6.9
	Nov. 25	a 30.0		Aug. 3	10.1
	Dec. 27	a 28.9		Oct. 4	8.5
E-153-K-22 591.1	Jan. 4	26.8		Dec. 2	8.8
	Feb. 2	26.7	E-175-K-24 757.2	Jan. 4	34.7
	Mar. 9	26.8		Feb. 2	33.5
	July 6	27.9		Mar. 9	b 36.6
	Sep. 2	29.0		Apr. 4	35.8
	Nov. 2	29.1		Oct. 4	39.2
	Dec. 2	29.3		Nov. 2	36.7
E-156-K-23 640.0	Jan. 4	47.6		Dec. 2	36.9
	Feb. 2	47.8	E-176-K-24 764.2	Jan. 4	a 49.7
	Mar. 9	47.9		Feb. 18	a 47.8
	Apr. 4	47.8		Mar. 29	a 47.3
	May 2	48.2		Apr. 21	a 49.5
	June 2	48.3		May 24	a 49.4
	July 6	48.2		June 28	a 51.6
	Aug. 3	48.4		July 29	a 50.7
	Sep. 2	48.5		Aug. 26	a 51.1
	Oct. 4	48.6		Sep. 27	a 51.7
	Nov. 2	48.7		Oct. 25	a 51.5
	Dec. 2	48.7		Nov. 29	a 51.4
E-159-K-23 627.3	Jan. 21	a 43.7	E-178-J-25 779.4	Jan. 4	36.4
	Feb. 27	a 43.8		Mar. 9	37.2
	Mar. 22	a 44.2		Apr. 4	36.9
	Apr. 21	a 44.5		May 2	37.4
	May 20	a 44.8		June 2	37.3
	June 21	a 45.2		July 6	37.7
	July 26	a 45.7		Aug. 3	37.9
	Aug. 23	a 45.7		Sep. 2	37.9
	Sep. 23	a 45.8		Oct. 4	38.2
	Oct. 21	a 46.2		Nov. 2	39.0
	Nov. 25	a 46.5		Dec. 2	38.0
	Dec. 27	a 46.9			

a Meas. from O.Co.F.C.D.

b Pumping nearby.

Measts. from Riv. W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	
	1949			1949		
E-179c-K-25 769.3	Jan. 4	19.1	E-192-J-26 Cont.	Nov. 1	73.2	
	Feb. 2	18.8		Dec. 2	71.2	
	Mar. 9	18.4	E-192a-J-26 769.4	Jan. 4	6.3	
	Apr. 4	18.4		Feb. 2	5.8	
	May 2	18.6		Mar. 9	5.6	
	June 2	18.7		Apr. 4	5.4	
	July 6	19.0		May 2	5.7	
	Aug. 3	19.2		June 2	6.0	
	Sep. 2	19.5		July 6	6.9	
	Oct. 4	19.5		Aug. 3	7.8	
	Nov. 2	19.7		Sep. 2	8.3	
	Dec. 2	19.6		Oct. 4	7.9	
E-184c-J-25 801.5	Jan. 4	60.8	E-194-K-26 873.0	Jan. 4	105.8	
	Feb. 2	60.5		Feb. 2	106.8	
	Mar. 9	60.3		Mar. 9	105.1	
	Apr. 4	60.2		Apr. 4	105.1	
	May 2	60.5		Aug. 3	106.4	
	June 2	60.8		Sep. 2	108.0	
	July 6	61.0		Oct. 4	107.3	
	Aug. 3	61.3		Nov. 2	107.4	
	Sep. 2	61.7		Dec. 2	106.9	
	Oct. 4	61.8		E-196e-J-26 869.4	Jan. 3	81.9
	Nov. 2	61.9			Feb. 1	81.8
	Dec. 2	61.3			Mar. 8	81.0
E-185-J-25 799.6	Jan. 4	40.7	Apr. 5		80.4	
	Feb. 2	40.6	May 3		81.1	
	Mar. 9	39.8	June 1		80.9	
	Apr. 4	39.8	July 5		85.9	
	May 2	40.1	Aug. 2		90.4	
	June 2	40.1	Sep. 1		93.3	
	July 6	40.4	Oct. 3		92.2	
	Aug. 3	40.9	Nov. 1		88.2	
	Sep. 2	41.5	Dec. 1		86.1	
	Oct. 4	41.9	E-201d-I-27 907.7	Jan. 3	77.9	
	Nov. 2	42.0		Feb. 1	77.4	
	Dec. 2	41.7		Mar. 8	76.9	
E-192-J-26 846.3	Jan. 4	68.1		Apr. 5	76.7	
	Feb. 2	67.9		May 3	76.6	
	Mar. 7	66.4		June 1	76.5	
	Apr. 4	65.8		July 5	77.7	
	May 2	66.9		Aug. 2	79.2	
	June 2	67.1		Sep. 1	79.6	
	July 6	70.8		Oct. 3	79.7	
	Aug. 2	73.4		Nov. 1	79.5	
	Sep. 1	75.9		Dec. 1	79.7	
	Oct. 3	76.5				

Measts. from Riv. W.D.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
E-201g-J-26 898.6	Jan. 3	105.4	E-233f-J-32 2299.1	Jan. 3 a	54.0
	Feb. 1	103.8		Apr. 5 a	54.1
	Mar. 8	103.7		July 2 a	54.5
	Apr. 5	101.6		Oct. 1 a	55.8
	May 3	102.1	E-234-J-32 2199.5	Jan. 3 a	38.0
	June 1	101.8		Apr. 5 a	40.3
	July 5	104.2		July 2 a	41.4
	Aug. 2	109.3		Oct. 1 ab	
	Sep. 1	113.3	E-236-J-33 2349.0	Apr. 5 a	99.1
	Oct. 3	111.4		July 2 a	106.5
	Nov. 1	108.9		Oct. 1 a	108.7
	Dec. 1	108.2	E-239-J-33 2658.9	Jan. 3 a	5.9
E-202-J-26 941.1	Jan. 3	151.4	E-240-J-33 2590.5	Jan. 3 a	331.3
	Feb. 1	150.2		Apr. 5 a	331.7
	Mar. 8	149.2		July 2 a	331.9
	Apr. 5	149.2	E-241-J-33 2491.2	Jan. 3 a	229.2
	May 3	149.3		Apr. 5 a	228.6
	June 1	149.4		July 2 a	228.8
	July 5	151.4		Oct. 1 a	234.9
	Aug. 2	154.3	E-265-L-21 491.8	Jan. 3 b	8.4
	Sep. 1	157.0		Jan. 31 b	8.3
	Oct. 3	157.9		Mar. 7 b	8.1
	Nov. 1	156.3		Apr. 4 b	8.4
	Dec. 1	155.6		May 9 b	8.8
E-207a-J-27 998.0	Jan. 3	168.4		June 6 b	9.1
	Feb. 1	166.7		July 11 b	9.9
	Mar. 8	167.4		Aug. 1 b	10.2
	Apr. 5	171.0		Aug. 29 b	10.4
	May 3	170.9		Oct. 3 b	9.8
	June 1	170.9		Oct. 31 b	9.8
	July 5	171.6		Dec. 5 b	9.5
	Aug. 2	172.3	E-267-L-21 494.0	Jan. 18 b	6.0
	Oct. 3	172.8		Feb. 15 b	6.0
	Nov. 1	173.2		Mar. 11 b	5.8
	Dec. 1	173.6		Apr. 19 b	6.1
E-232b-J-32 2288.0	Jan. 3 a	85.9		May 17 b	6.0
	Oct. 1 a	85.7		June 16 b	6.6
E-233-J-32 2249.2	Jan. 3 a	55.2			
	Apr. 5 a	47.9			
E-233d-J-32 2333.8	Jan. 3 a	99.7			

a Meas. from J.N. Hicks.

b Meas. from O.Co.F.C.D.

Measts. from Riv. W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
E-267-L-21 Cont.	July 15	7.1	E-273a-L-22 Cont.	Oct. 21	141.0
	Aug. 16	7.0		Nov. 25	140.7
	Sep. 15	7.3		Dec. 23	143.7
	Oct. 18	6.9	E-274c-L-22	Jan. 19	70.7
	Nov. 22	6.8	*592.1	Feb. 17	69.6
	Dec. 20	6.4		Mar. 18	65.2
E-268b-L-21 512.4	Jan. 18	12.2		Apr. 19	69.6
	Feb. 15	11.9		May 20	71.7
	Mar. 10	11.7		June 17	72.5
	Apr. 19	11.8		July 15	74.4
	May 17	11.9		Sep. 23	75.9
	July 15	13.2		Oct. 23	75.8
	Aug. 16	13.7		Dec. 23	74.8
	Sep. 15	14.0	E-276-L-22	Jan. 17	a 143.0
	Oct. 18	14.0	677.8	Feb. 21	a 140.5
	Nov. 22	13.8		Mar. 8	a 139.7
	Dec. 20	13.3		Apr. 13	a 139.6
E-269a-L-22 527.8	Jan. 19	17.4		May 11	a 141.0
	Feb. 15	16.4		July 13	a 147.7
	Mar. 17	15.8		Aug. 10	a 146.3
	Dec. 20	19.9		Sep. 14	a 148.0
E-270-L-21 611.1	Jan. 20	98.1		Nov. 10	a 148.3
	Feb. 16	97.1		Dec. 14	a 146.5
	Mar. 16	97.2	E-276c-L-22	Jan. 5	184.3
	May 18	100.0	797.4	Jan. 25	184.7
	June 17	100.0		Mar. 1	187.6
	July 15	98.2		Mar. 31	180.8
	Aug. 17	98.9	E-277b-M-22	Jan. 5	130.1
	Sep. 28	99.8	969.9	Jan. 25	125.5
	Oct. 19	100.0		Mar. 1	123.3
	Nov. 22	100.9		Mar. 31	130.4
E-272-L-22 537.1	Jan. 19	21.7		May 31	121.1
	Feb. 17	20.1		Oct. 26	125.3
	Oct. 21	23.8		Nov. 29	124.8
	Nov. 25	24.8	E-282c-L-22	Jan. 17	a 90.0
	Dec. 27	23.8	631.5	Feb. 21	a 87.6
E-273a-L-22 662.2	Jan. 19	137.4		Mar. 8	a 86.8
	Feb. 16	138.3		Nov. 10	a 100.0
	Mar. 18	134.8	E-286c-L-23	Jan. 21	45.6
	May 17	136.7	609.9	Apr. 21	42.2
	June 17	137.6			

* Correction: Beginning January 24, 1946, R.P. elev. should be 592.1 ft.
a Meas. by owner from O.Co.F.C.D.
Measts. from O.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
E-287c-L-23 659.4	Jan. 4	87.3	E-287c-L-23	Sep. 27	86.5
	Jan. 21	87.3	Cont.	Oct. 25	86.5
	Mar. 22	86.6		Nov. 29	86.5
	Apr. 21	84.6			
	May 24	85.1	E-298-L-24	Jan. 4	a 25.0
	June 28	85.5	686.1	Feb. 2	a 22.8
	July 27	86.5		Mar. 9	a 21.3
	Aug. 23	86.5			

a Meas. from Riv. W.D.

Measts. from O.Co. F.C.D. except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in San Jacinto Valley

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
3S3W1A 1754.5	Apr. 14	273.2	3S3W13A 1596.4	Jan. 13	115.6
	May 16	270.1		Feb. 16	114.4
	Aug. 11	285.0		Mar. 16	117.8
	Sep. 20	283.2		Apr. 14	123.2
	Oct. 19	282.		May 16	125.8
				June 9 a	127.6
3S3W2A 1810.6	Jan. 18 a	248.2		Aug. 2 a	132.6
	June 9 a	248.5		Sep. 20 a	132.7
	Aug. 2 a	247.4		Oct. 25	127.8
	Sep. 20 a	248.2		Nov. 21	132.0
	Oct. 25 a	247.8		Dec. 6 a	128.8
	Dec. 6 a	247.6			
			3S3W15A 1550.2	Feb. 16	94.2
				Mar. 16	94.0
				Apr. 14	93.7
3S3W6B 1650.5	Jan. 11	178.7			
	Feb. 14	175.5	3S3W18A 1555.	Jan. 11	80.9
	Mar. 15	174.4		Feb. 14	81.3
	Apr. 12 b	183.7		Mar. 15	80.9
	May 11	194.7		Apr. 12	81.0
	June 14	202.0		May 11	90.6
	Aug. 9	203.8		June 14	81.8
	Sep. 16	207.8		Aug. 9	83.1
	Oct. 17	183.1		Sep. 16	83.9
	Nov. 17	187.8		Oct. 17	82.7
	Dec. 8	190.6		Nov. 17	82.5
				Dec. 8	83.1
3S3W7A 1566.0	Jan. 18 a	103.4			
	Mar. 30 a	99.6	3S3W22A 1507.0	Jan. 18 a	55.9
	June 9 ac			Mar. 30 a	57.0
	Aug. 2 ac				
	Sep. 20 ac				
	Oct. 25 ad				
			3S3W29A 1496.5	Jan. 11	115.1
3S3W7B *	Jan. 11	111.6		Feb. 14	110.4
	Feb. 14	115.2		Mar. 15	113.5
	Mar. 15	113.7		Apr. 12	136.5
	Apr. 12	113.3		May 11	137.5
	May 11	117.4		June 14	141.8
	June 14	118.7		Aug. 9	147.1
	Oct. 17	121.8		Oct. 17	145.4
	Nov. 17	124.0		Nov. 17	145.9
	Dec. 8	127.6		Dec. 8	146.5

* R.P. elev. 1591.0 to and including May 11, 1949; then 1591.2.

a Meas. from U.S.G.S.

b Pumping nearby.

c Dry at 115 ft.

d Covered.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
3S3W31A 1479.5	Jan. 18	140.1	3S2W26B 1428.7	June 16	b 61.0
	Mar. 30	137.2			
	June 9	137.0			
	Aug. 2	137.8	3S2W29A 1428.1	Feb. 16	a 11.2
	Sep. 20	139.1		Mar. 16	a 11.2
	Oct. 25	137.2		Apr. 14	a 11.1
	Dec. 6	137.2		May 16	a 11.7
				June 15	a 12.2
3S3W31B 1472.	Jan. 11	a 147.4		Aug. 10	a 13.0
	Feb. 14	a 147.1		Sep. 20	a 13.5
	Mar. 15	a 148.3		Oct. 19	a 13.3
	Apr. 12	a 149.9		Nov. 21	a 13.2
	May 11	a 152.7			
	June 14	a 155.0	3S2W33A 1425.6	Feb. 23	24.9
	Aug. 9	a 161.7		Mar. 25	b 24.8
	Oct. 17	a 163.7		June 16	b 28.1
	Nov. 17	a 163.8			
	Dec. 8	a 160.2	3S2W34A	Mar. 25	b 26.3
				May 18	b 26.5
3S3W32A 1464.	Jan. 11	a 153.9			
	Feb. 14	a 152.8	3S2W35A 1429.2	Feb. 24	c 19.4
	Oct. 17	a 164.9		May 24	c 60.4
				Aug. 24	c 28.0
3S2W8A 1676.5	Jan. 18	141.6			
	Mar. 30	141.5	4S4W1A 1504.7	Feb. 24	c 42.4
	June 9	141.6		May 24	c 42.7
	Aug. 2	141.6		Aug. 24	c 44.1
	Sep. 20	142.6		Nov. 22	c 44.1
	Oct. 25	143.2			
	Dec. 6	141.7	4S4W12A 1487.3	Jan. 18	232.8
				Feb. 24	232.4
3S2W21A 1441.7	Jan. 18	12.1		Mar. 31	232.6
	June 16	b 12.0		June 9	233.0
	July 6	b 11.6		Aug. 4	241.5
	Aug. 2	11.5		Sep. 20	243.7
	Oct. 25	11.6		Oct. 25	245.0
				Dec. 6	245.7
3S2W26A 1460.	Jan. 19	43.7			
	Feb. 9	43.6	4S3W9A 1446.4	Feb. 14	a 152.7
	Mar. 30	43.4		Mar. 15	a 151.4
	June 8	44.4		Apr. 12	a 152.5
	Aug. 3	44.5		May 11	a 156.8
	Sep. 21	44.2		June 14	a 159.6
	Oct. 26	44.4		Aug. 9	a 161.4
	Dec. 7	44.1		Sep. 16	a 163.6

a Meas. from H.V. Co. F.C.D.

b Meas. from D.W.R.

c Meas. from U.S.G.S.

Measts. from H.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
4S3W9A Cont.	Oct. 17	163.4	4S3W28B 1422.0	Jan. 20 a	121.5
	Nov. 17	162.2		Mar. 31 a	121.4
	Dec. 8	161.3		June 8 a	123.0
4S3W10A	Jan. 20 a	165.0		Oct. 25 ab	
	Mar. 31 a	157.7		Dec. 6 ab	
	Aug. 2 a	173.5	4S3W32A 1434.8	Jan. 11	67.2
	Sep. 20 a	177.9		Feb. 14	65.1
	Oct. 25 a	173.4		Apr. 12	65.1
	Dec. 6 a	173.5		May 11	67.3
4S3W18A 1481.3	Jan. 11	119.6		June 8 a	65.4
	Feb. 14	120.7		Sep. 20 a	65.7
	Mar. 15	120.0		Oct. 25 a	65.7
	Apr. 12	126.1		Nov. 17	66.2
	May 11	123.7		Dec. 6 a	65.8
	June 14	126.8	4S3W35A 1424.1	Jan. 20 a	120.0
	Aug. 9	121.1		Feb. 23 a	118.9
	Sep. 16	122.9		Mar. 31 a	120.2
	Oct. 17	121.4		June 8 a	124.9
	Nov. 17	120.7		Aug. 11 a	124.7
	Dec. 8	121.0		Sep. 20 a	125.6
4S3W19A *	Jan. 11	80.6		Oct. 25 a	126.8
	Feb. 14	80.7	4S2W2C 1430.7	Mar. 11 c	30.1
	Mar. 15	81.7		June 10 c	35.8
	Apr. 12	84.2	4S2W3A 1436.4	Jan. 19 a	47.8
	May 11	85.3		Feb. 23 a	44.6
	June 14	83.0		Mar. 11 c	44.4
	Aug. 9	85.0		June 8 a	46.4
	Sep. 16	84.2		June 16 c	45.6
	Oct. 17	83.5		Sep. 20 a	47.0
	Nov. 17	82.8		Oct. 26 a	48.6
	Dec. 8	81.6		Dec. 6 a	47.8
4S3W24C 1422.2	Jan. 20 a	122.6	4S2W6A 1422.	Feb. 16	47.3
	Feb. 23 a	121.2		Apr. 14	47.4
	Mar. 31 a	123.2		May 12	47.6
	May 17	124.8		June 15	47.8
	June 8 a	126.6		Aug. 10	48.6
	Aug. 10	137.4		Sep. 20	49.2
	Sep. 20 a	129.7		Oct. 18	49.7
	Oct. 19	130.4		Nov. 21	50.3
	Nov. 21	128.9		Dec. 9	50.3
	Dec. 6 a	127.7			

* R.P. elev. 1478.2 to and including June 14, 1949; then 1477.9.

a Meas. from M.W.D.

b Dry at 122.2 ft.

c Meas. from D.W.R.

Measts. from Riv. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface, Ft.
	1949				1949		
4S2W7A 1445.2	Jan. 13	a	86.0	4S1W17B Cont.	Mar. 9		5.3
	Feb. 23		81.5		Apr. 6		5.3
	Mar. 24	b	82.2		May 4		4.0
	Apr. 14	a	84.8		June 1		5.0
	May 24	b	87.4		June 29		5.6
	June 8		89.9		Aug. 3		6.2
	July 27	b	93.3		Sep. 7		6.2
	Aug. 10	a	94.0		Oct. 5		6.6
	Sep. 20		95.4		Nov. 2		6.6
	Oct. 27	b	96.2		Nov. 30		6.6
	Nov. 18	a	95.1	4S1W17C 1458.3	Jan. 19		4.9
	Dec. 6		93.9		Feb. 9		4.3
4S2W10A 1444.9	Mar. 16	cd			Mar. 9		3.5
					Apr. 6		3.7
					May 4		2.6
4S2W36A 1501.2	Jan. 18		32.5		June 1		3.9
	Aug. 2		34.2		June 29		4.8
	Oct. 25		35.0		Aug. 3	e	
4S1W6A	June 16	c	89.3	4S1W17D 1464.4	Jan. 19		4.5
4S1W15B	Jan. 19		20.0		Feb. 9		3.4
	Feb. 9		18.4		Mar. 9		2.7
	Mar. 30		21.5		Apr. 6		3.4
	June 8		51.0		May 4		4.2
	Aug. 3		58.6		June 1		4.6
	Sep. 21		59.4		June 29		5.5
	Dec. 12		42.3		Aug. 3		6.5
					Sep. 7		7.1
					Oct. 5		7.2
4S1W17A 1455.4	Jan. 19		8.2		Nov. 2		6.6
	Feb. 9		7.5		Nov. 30		6.0
	Mar. 9		7.2	4S1W18A 1450.9	Jan. 13	a	9.2
	Apr. 6		6.9		Feb. 9		9.4
	May 4		6.7		Mar. 11	c	9.2
	June 1		6.8		Apr. 14	a	8.9
	June 29		7.1		May 4		8.8
	Aug. 3		7.7		June 14	a	9.0
	Sep. 7		8.4		Aug. 3		9.0
	Oct. 5		8.5		Sep. 19	a	9.3
	Nov. 2		8.1		Oct. 5		9.8
	Nov. 30		8.1		Nov. 2		9.6
					Nov. 30		9.5
4S1W17B 1457.5	Jan. 19		6.4		Dec. 9		9.4
	Feb. 9		5.7				

a Meas. from R.Co.F.C.D.

b Meas. from U.S.G.S.

c Meas. from D.W.R.

d Dry at 52⁺ feet.

e Destroyed.

Measts. from M.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
4S1W18B 1450.9	Mar. 11	a 6.0	4S1W23A 1551.2	Jan. 19	46.6
				Feb. 9	44.7
				Mar. 30	51.2
4S1W18C 1466.5	Jan. 19	20.6		June 8	66.3
	Feb. 9	20.6		Aug. 3	73.6
	Mar. 11	a 20.7		Sep. 21	77.8
	June 29	b		Oct. 26	74.1
				Dec. 7	64.9
4S1W20A 1478.8	Jan. 19	11.1	4S1W23B 1545.4	Jan. 19	45.2
	Feb. 9	10.8		Feb. 9	43.7
	Mar. 9	10.5		Mar. 30	43.7
	Apr. 6	10.2		June 8	51.2
	May 4	10.5		Aug. 3	57.9
	June 1	10.8		Sep. 21	62.4
	June 19	11.1		Oct. 26	64.5
	Aug. 3	11.5		Dec. 7	62.2
	Sep. 7	c			
	Nov. 30	11.7	4S1W23C	June 16	a 32.9
4S1W21A 1473.6	Jan. 19	5.5	4S1W25A 1566.	Jan. 19	63.8
	Feb. 9	4.7		Feb. 9	62.8
	Mar. 9	3.8		Mar. 30	65.2
	Apr. 6	3.8		June 8	76.2
	May 4	4.4		Aug. 3	81.6
	June 1	4.9		Sep. 21	85.0
	June 29	5.6		Oct. 26	85.0
	Aug. 3	6.3		Dec. 7	80.1
	Sep. 7	6.4			
	Oct. 5	6.0	4S1W29B	Mar. 11	43.8
	Nov. 2	5.9	1502.0	June 9	49.5
	Nov. 30	5.8			
4S1W21B 1491.2	Jan. 19	7.5	4S1W31A 1504.5	Mar. 16	a 43.0
	Feb. 9	7.1			
	Mar. 9	6.6	4S1W32A	Jan. 18	47.2
	Apr. 6	6.1	1513.8	Feb. 23	46.8
	May 4	6.4		Mar. 16	a 48.7
	June 1	6.9		Mar. 30	51.2
	June 29	7.6		June 8	56.1
	Aug. 3	8.6		Aug. 2	60.1
	Sep. 7	9.2		Sep. 21	61.3
	Oct. 5	9.4		Oct. 25	59.5
	Nov. 2	9.4		Dec. 6	54.9
	Nov. 30	9.2			

a Meas. from D.W.R.

b Dry at 21.5 ft.

c Dry at 11.8 ft.

Measts. from M.W.D. except as noted.

Well Number and R.P. Elev.	Date		Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date		Dist.R.P. to water surface,Ft.
1949				1949			
4S1W32B 1527.5	Mar. 16	a	71.0	5S3W8A 1412.4	Jan. 18		112.6
					Mar. 30		110.7
					June 8		122.4
4S1W33A 1520.9	Jan. 19		63.7		Aug. 2		120.0
	Feb. 9		62.3		Sep. 20		124.6
	Mar. 11	a	61.1		Oct. 25		126.1
	Mar. 30		61.6		Dec. 6		121.6
	May 5	a	63.0	5S3W16A 1423.3	Jan. 18		120.5
	June 8		64.0		Mar. 30		117.5
	Aug. 3		67.5		Aug. 2		132.0
	Sep. 21		69.5		Dec. 6		131.4
	Oct. 26		69.8				
	Dec. 7		69.4	5S3W29A 1410.4	Jan. 11	b	70.4
4S1W33B 1527.8	Mar. 16	a	61.4		Mar. 15	b	68.5
	June 8	a	64.3		Apr. 12	bc	
4S1W33C 1514.9	Mar. 11	a	30.3	5S3W35A 1423.2	Jan. 18		49.1
					Mar. 30		52.0
					June 8		57.5
4S1W33D 1533.5	Apr. 7	a	77.0		Aug. 2		57.9
					Oct. 25		57.9
					Dec. 6		57.1
4S1W36A 1608.0	Mar. 16	a	98.6	5S2W12B 1501.1	Aug. 2		42.0
					Oct. 25		43.0
					Dec. 6		39.2
4S1E31A 1675.0	Mar. 16	a	69.4	5S2W22A 1489.4	July	d	
	June 8	a	72.7				
4S1E31B 1606.9	Mar. 16	a	92.5	5S2W24B 1499.1	Nov. 22	e	44.7
	June 16	a	101.4				
5S3W7B	Jan. 11	b	19.0	5S2W27E 1476.9	Jan. 18		35.9
	Feb. 14	b	19.0		Feb. 24	e	35.6
	Mar. 15	b	19.9		Apr. 12	b	35.8
	Apr. 12	b	19.1		May 24	e	36.5
	May 11	b	19.2		June 8		37.3
	June 14	b	19.3		Aug. 24	e	38.0
	Aug. 9	b	19.5		Sep. 21		38.3
	Sep. 16	b	19.6		Nov. 17	b	38.7
	Oct. 17	b	19.7		Dec. 8	b	39.0
	Nov. 17	b	19.8				
	Dec. 8	b	17.9				

a Meas. from D.W.R.

b Meas. from Riv. Co. F.C.D.

c Destroyed.

d Dry at 42.2 feet

e Meas. from U.S.G.S.

Measts. from M.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
5S2W30A 1456.6	Jan. 18	38.0	5S1W3C	Mar. 11	c 73.5
	Mar. 30	37.3	Cont.	Mar. 16	c 73.5
	June 8	40.2		Mar. 30	75.0
	Aug. 2	a		June 8	82.9
	Sep. 20	35.6		Aug. 2	85.3
	Oct. 25	32.4		Sep. 21	87.3
	Dec. 6	31.7		Oct. 26	86.2
				Dec. 7	79.2
5S2W36B 1493.7	Jan. 18	75.0	5S1W4A	Apr. 7	c 81.6
	Feb. 23	54.3	1538.8		
	Mar. 30	b			
5S1W1A 1624.8	Jan. 5	c 115.1	5S1W4C	Apr. 7	c 50.4
			1510.9		
	1948		5S1W4D	Mar. 16	c 81.8
			1538.0		
5S1W1B *	Aug. 22	c 114.8	5S1W5C	Jan. 18	79.2
			1536.8	Feb. 23	87.1
	1949			Mar. 30	94.0
	Jan. 5	c 107.6		June 8	e
				Aug. 2	e
				Oct. 25	e
5S1W2A 1582.4	Mar. 11	c 85.0		Dec. 6	108.6
	Mar. 16	c 84.9			
5S1W2I 1585.1	Jan. 18	76.8	5S1W9A	Jan. 18	81.9
	Feb. 24	d 77.8	1542.0	Feb. 14	f 82.1
	Mar. 16	c 79.2		Mar. 25	c 91.2
	Mar. 30	78.6		Apr. 12	f 100.5
	May 24	d 80.3		May 11	f 105.1
	June 8	c 80.9		June 8	103.1
	Aug. 2	87.6		July 15	c 105.7
	Aug. 24	d 95.5		Aug. 2	104.2
	Sep. 21	95.6		Sep. 21	106.3
	Oct. 26	95.1		Oct. 17	f 103.1
	Nov. 22	d 93.5		Oct. 25	99.5
	Dec. 7	93.4		Nov. 17	f 95.6
				Dec. 6	92.4
5S1W3C 1549.6	Jan. 18	74.4	5S1W9B	Jan. 11	f 100.1
	Feb. 23	73.6	1555.	Feb. 14	f 97.2

* R.P. elev. 1619.1 to and including January 7, 1942; then 1618.9.

a Well plugged at 40 feet.

b Well destroyed and covered.

c Meas. from D.W.R.

d Meas. from U.S.G.S.

e Obstruction at 115 feet.

f Meas. from Riv. Co. F.C.D.

Measts. from M.W.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.
	1949			1949	
5S1W10A 1581.0	Apr. 7	a 129.2	5S1W34B	Jan. 11	61.0
				Feb. 15	61.4
				Apr. 13	61.8
5S1W10B	May 16	138.9		May 12	62.1
	Oct. 18	144.8		June 14	62.4
	Nov. 18	126.9		Aug. 9	62.9
	Dec. 9	125.8		Sep. 16	63.3
5S1W11A 1638.5	Mar. 16	a 183.9		Oct. 17	63.7
				Nov. 17	64.1
				Dec. 8	64.3
5S1W13B 1688.5	Mar. 16	a 218.2	5S1E5A 1663.7	Mar. 25	ac 56.0
5S1W14B 1640.2	Jan. 11	187.1	5S1E6B *	Jan. 5	a 124.0
	Feb. 15	187.6			
	Mar. 16	a 181.7	5S1E7A **	Jan. 11	187.9
	Oct. 17	191.6		Feb. 15	185.9
	Nov. 18	191.2		Mar. 11	a 194.5
	Dec. 9	191.5		Mar. 16	186.7
5S1W16A 1545.	Jan. 5	a 97.3		Apr. 13	211.6
				Nov. 18	206.6
				Dec. 9	208.4
5S1W16B 1543.5	Jan. 5	a 91.3	5S1E9D 1759.8	Mar. 25	a 73.1
				May 18	74.6
5S1W16E	Jan. 5	a 112.6		June 14	74.0
	Oct. b	130.		Aug. 10	73.8
				Oct. 18	73.0
5S1W19C 1512.3	July 29	a 51.6		Nov. 18	73.5
				Dec. 9	77.1
5S1W20A 1528.7	Jan. 11	79.8	5S1E14A 1890.	Jan. 12	a 171.5
	Feb. 14	78.8		Feb. 15	172.7
	Mar. 16	78.6		Mar. 16	149.8
	Apr. 12	86.0		Apr. 13	128.8
	Aug. 9	99.2		Oct. 18	194.6
	Nov. 17	91.7		Nov. 18	186.4
	Dec. 8	91.7		Dec. 9	177.6

* Correction to all previous bulletins: R.P. elev. should be 1650.4 to and including January 7, 1947; then 1657.1, from levels by D.W.R.

** Correction to all previous bulletins: R.P. elev. should be 1725.4 to and including March 16, 1949, then 1725.2, from levels by D.W.R.

a Meas. from D.W.R.

b Meas. from owner.

c Pumping nearby.

Measts. from Riv.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface
1949			1949		
5S1E17A 1762.4	Mar. 25	a 229.8	6S3W4A 1438.3	Jan. 11	61.3
				Feb. 24	c 60.8
				Mar. 15	61.7
5S1E17B 1841.	Jan. 5	a 297.8		Apr. 12	61.6
	Mar. 11	a 291.4		May 24	c 66.4
				June 14	62.4
5S1E17C 1800.9	Jan. 18	b 251.2		Aug. 9	61.6
	Feb. 23	b 250.0		Sep. 16	63.4
	Mar. 25	a 249.5		Oct. 17	61.2
	Mar. 30	b 257.8		Nov. 22	c 61.0
	Oct. 26	b 280.0		Dec. 8	65.0
5S1E18B 1761.5	Jan. 18	b 224.4	6S3W5A 1399.0	Jan. 11	41.9
	Feb. 23	b 220.7		Feb. 14	42.4
	Mar. 30	b 223.3		Mar. 15	42.8
	June 8	b 228.6		Apr. 12	43.1
	Aug. 2	b 226.4		May 11	43.6
	Sep. 21	b 234.6		June 14	44.0
	Oct. 26	b 234.8			
	Dec. 7	b 231.4	6S3W23A	Jan. 11	15.2
5S1E19A 1803.2	Mar. 25	a 282.2		Feb. 14	13.6
				Mar. 15	13.4
				Apr. 12	13.4
				May 11	13.8
5S1E20C 1903.8	Mar. 25	a 284.4		June 14	14.3
				Aug. 8	15.0
				Sep. 16	13.3
6S3W3A 1428.3	Jan. 11	59.2		Oct. 17	18.6
	Mar. 15	58.4		Nov. 17	16.2
	Apr. 12	59.0		Dec. 8	16.4
	May 11	60.9			
	June 14	60.7	6S2W6B 1438.5	Jan. 11	67.6
	Aug. 9	62.7		Feb. 14	62.9
	Sep. 16	62.4		Mar. 15	63.5
	Oct. 17	62.5		Oct. 17	71.3
	Nov. 17	62.8		Nov. 17	73.7
	Dec. 8	62.0		Dec. 8	71.0

a Meas. from D.W.R.

b Meas. from M.W.D.

c Meas. from U.S.G.S.

Measts. from Riv.Co.F.C.D. except as noted.

SOUTH COASTAL BASIN INVESTIGATION
Records of Ground Water Levels at Wells
in Antelope Valley

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
5N9W6A 2847.3	Nov. 21	a 44.9	5N11W12B 2834.	Nov. 15	153.8
5N9W20A 3166.	Nov. 21	a 240.9	5N11W13B 2913.	Nov. 15	233.1
5N10W6A 2777.	Nov. 15	110.4	6N8W18A 2725.	Nov. 23	a 162.0
5N10W7A 2817.	Nov. 15	149.8	6N9W31A 2832.	Nov. 23	a 35.4
5N10W7C 2893.5	Nov. 18	216.0	6N10W9B 2576.3	Nov. 29	a 193.4
5N10W12A 2884.	Jan. 26	b 53.8	6N10W10A 2614.	Nov. 29	a 76.5
	Feb. 23	b 54.0			
	Mar. 25	b 54.3			
	Apr. 25	b 54.4	6N10W20A *2637.6	Nov. 21	b 197.2
	May 26	b 54.6		Dec. 27	b 194.9
	June 22	b 54.7			
	July 26	b 55.3	6N10W27A 2677.	Nov. 21	a 151.3
	Aug. 23	b 55.4			
	Sep. 26	b 55.7			
	Oct. 25	b 55.9	6N11W4A 2481.	Nov. 28	a 190.4
	Nov. 21	b 56.1			
	Dec. 27	b 56.2			
5N10W26A 3155.	Nov. 21	a 46.9	6N11W8A 2523.5	May 25	c 206.3
				Oct. 5	c 210.8
				Nov. 28	b 213.6
5N11W4A 2695.	Nov. 18	150.5	6N11W8G 2512.	May 25	a 202.3
				Nov. 28	a 201.1
5N11W4D 2756.	Nov. 18	146.4	6N11W9A 2505.5	May 25	196.1
5N11W9A 2858.	Nov. 15	48.6	6N11W12A 2541.	Nov. 29	a 206.0
5N11W10A 2836.	Feb. 2	95.7	6N11W12C 2552.	Nov. 29	a 201.8
	Apr. 12	93.6			
	July 13	95.7			
	Aug. 2	97.1	6N11W18B 2562.	Oct. 5	241.4
	Oct. 19	100.1		Nov. 29	a 239.0
	Dec. 28	99.2			

* New elev., R.P. changed.

a Meas. from U.S.G.S.

b Meas. by U.S.G.S. from L.A.Co.F.C.D.

c Pumping nearby.

Measts. from L.A.Co.F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface,Ft.			
1949			1949					
6N11W19A 2583.	May 24	257.5	7N11W23B 2439.	Nov. 23	b 144.2			
6N11W20A 2581.	May 24	239.2	7N11W24A 2433.	Jan. 26	d 144.0			
	Oct. 5	241.9		Feb. 23	d 145.4			
	Nov. 18	242.3		Mar. 25	d 145.2			
6N11W21A 2570.	May 26	232.5		May 26	d 149.8			
				July 26	d 154.2			
				Aug. 23	d 155.8			
6N11W28A 2608.	May 24	a		Sep. 25	d 157.1			
				Oct. 25	d 157.8			
				Nov. 22	d 155.4			
			Dec. 27	d 153.5				
			6N12W24A 2587.	May 24	259.6	7N11W28B 2448.7	Nov. 23	b 156.1
				Nov. 18	262.2			
6N12W25A 2653.2	May 24	298.6	7N11W28D 2440.8	Nov. 23	b 172.0			
	July 6	299.8						
	Aug. 2	300.7						
	Sep. 21	301.5						
	Oct. 19	301.1						
	Nov. 16	301.2						
Dec. 28	301.0	7N12W4B 2312.8	Mar. 8	7.0				
6N13W12A 2607.5	Nov. 22		249.8	7N12W8A 2317.	Nov. 23	25.9		
					7N10W7A 2397.5	Nov. 22	bc	7N12W15C 2348.5
Nov. 22	b 167.3	July 13	71.2					
Nov. 22	b 199.6	Sep. 21	73.3					
7N10W21A 2465.	Nov. 29	b 199.6	7N12W22B 2412.	Feb. 2	111.4			
7N10W30A 2488.				Mar. 3	110.6			
				Apr. 12	111.2			
				May 26	115.7			
				June 8	116.8			
				July 13	118.2			
	7N11W8A 2383.4	Nov. 22	b 75.3	Sep. 21	122.6			
7N11W16A 2392.	Nov. 22	b 106.7	Oct. 19	122.5				
			Nov. 16	119.2				
			Dec. 28	121.8				
7N11W19A 2430.	Nov. 23	b 155.8	7N12W29A 2449.	Nov. 22	158.1			

a Dry at 222 ft.
 b Meas. from U.S.G.S.
 c Dry at 81.6 ft.
 d Meas. by U.S.G.S. from L.A.Co.,F.C.D.
 e Windmill pumping.
 Measts. from L.A. Co.,F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
7N13W11B 2356.	Nov. 23	5.8	8N11W22A 2318.	Nov. 22	b 81.7
7N13W21C 2373.	Dec. 2	100.4	8N11W30B 2330.2	Nov. 22	b 38.1
7N13W27A 2421.	Dec. 9	157.3	8N12W4B 2307.7	Nov. 29	16.0
7N13W35A 2444.	Dec. 9	200.6	8N12W20A 2319.	Nov. 29	27.8
7N14W10A 2558.	Mar. 9 July 13 Sep. 21 Dec. 9	193.3 196.4 198.7 196.4	8N12W22A 2301.5	July 7 Nov. 22	10.9 17.3
8N9W4B 2305.5	Nov. 22	a 25.6	8N12W22B 2302.	Nov. 22	13.6
8N9W4I 2294.	Nov. 22	b 15.9	8N12W22C 2301.	Nov. 22	15.5
8N9W6D 2304.	Nov. 22	b 15.6	8N12W22D 2301.5	Nov. 29	26.8
8N10W2A 2310.	Nov. 22	b 21.2	8N12W24A 2310.	Nov. 22	b 18.1
8N10W9A 2319.	Jan. 26 Feb. 23 Mar. 25 Apr. 25 May 26 June 22 Sep. 26 Oct. 25 Nov. 22 Dec. 27	a 26.9 a 27.0 a 27.1 a 27.3 a 27.6 a 27.9 a 28.9 a 29.1 a 28.9 a 28.9	8N12W30B 2324.	Nov. 22	23.2
			8N13W7A 2442.	Dec. 6	127.9
			8N13W22A 2385.5	Dec. 2	87.8

a Meas. by U.S.G.S. from L.A.Co.F.C.D.

b Meas. from U.S.G.S.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.	Well Number and R.P. Elev.	Date	Dist.R.P. to water surface, Ft.
	1949			1949	
8N13W23A 2376.	Dec. 2	81.3	8N16W18A 2995.	Dec. 9	98.6
8N14W2B 2494.5	Dec. 2	146.7	9N12W21A 2332.4	Mar. 8	45.4
8N14W12A 2472.	Dec. 2	144.9	9N13W20A 2420±	Mar. 8 July 12 a Sep. 21 a Nov. 29 a	77.2 87.6 88.9 90.1
8N14W12B 2482.5	Dec. 2	148.8	9N14W24A 2490±	Dec. 2	116.2
8N14W14A 2495.5	Dec. 2	156.7	9N14W29A 2630±	Dec. 7	178.8
8N15W36A 2786.5	Dec. 9	85.7			
8N16W5A 2901.	Mar. 9 July 12 Sep. 21 Dec. 9	197.0 196.4 196.6 196.4			

a Pumping nearby.

Measts. from L.A. Co. F.C.D.

CHAPTER IV. PRECIPITATION RECORDS

Monthly records of precipitation for ten United States Weather Bureau and annual records for approximately 260 other stations in the area are presented herewith.

PRECIPITATION RECORDS

MONTHLY PRECIPITATION RECORDS
FROM U. S. WEATHER BUREAU

P r e c i p i t a t i o n i n I n c h e s

Season and Month	413 <u>Long Beach</u>	2754F <u>Los Angeles</u>	3290 <u>Claremont</u>	4142A <u>Sierra Madre</u>	4832 <u>San Fernando</u>
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1948-49

July	0.00	T	0.00	0.00	0.00
Aug.	0.00	T	0.00	0.00	0.00
Sep.	0.00	T	0.00	0.00	T
Oct.	0.02	0.09	1.75	0.28	0.17
Nov.	0.01	T	0.01	0.02	0.00
Dec.	2.66	2.20	1.91	3.43	3.02
Jan.	2.04	2.43	3.72	4.58	2.36
Feb.	1.29	1.41	1.56	3.01	1.03
Mar.	1.15	1.40	1.11	2.24	0.83
Apr.	T	T	0.03	0.26	0.02
May	0.33	0.46	0.70	2.14	0.79
June	<u>T</u>	<u>T</u>	<u>0.00</u>	<u>0.03</u>	<u>T</u>
TOTAL	7.50	7.99	10.79	15.99	8.22

14552
Santa Ana

15933
Corona

17023
Riverside

17417
Beaumont

18826
San Bernar-
dino (near)

1948-49

July	0.00	0.00	0.00	0.00	0.00
Aug.	0.00	0.00	0.00	0.00	0.00
Sep.	T	0.00	0.00	0.00	T
Oct.	0.08	0.26	0.93	1.59	1.36
Nov.	0.00	0.00	T	0.00	0.00
Dec.	3.06	1.59	2.20	2.73	2.87
Jan.	2.17	2.59	2.78	4.09	4.84
Feb.	2.07	1.24	1.08	3.11	3.14
Mar.	0.94	0.81	0.73	1.76	0.89
Apr.	0.03	0.00	T	0.23	0.02
May	0.65	1.04	0.57	1.12	1.29
June	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
TOTAL	9.00	7.53	8.29	14.63	14.41

T - Less than 0.01 inch.

PRECIPITATION RECORDS FOR SEASON 1948-49
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
185	O-6	125	7.63	L.A. Co. F.C.D.
210	N-7	300	8.20	L.A. Co. F.C.D.
327	P-9	10	7.37	U.S.W.B. (San Pedro)
401	N-10	40	7.11	L.A. Co. F.C.D.
403	O-10	30	6.22	L.A. Co. F.C.D.
403A	O-10	30	8.97	L.A. Co. F.C.D.
413	O-10	40	7.50	U.S.W.B. (Long Beach)
452	N-11	15	8.32	L.A. Co. F.C.D.
453	O-11	15	7.04	L.A. Co. F.C.D.
485	O-12	25	6.47	O. Co. F.C.D.
587	P-14	15	6.99	O. Co. F.C.D.
596	O-14	25	7.77	O. Co. F.C.D.
715	M-7	50	8.42	L.A. Co. F.C.D.
864	M-10	195	8.44	L.A. Co. F.C.D.
985	M-12	45	8.34	L.A. Co. F.C.D.
1014	M-12	50	7.79	L.A. Co. F.C.D.
1030	L-13	85	8.09	L.A. Co. F.C.D.
1081	L-14	90	7.87	L.A. Co. F.C.D.
1099	N-14	60	7.62	O. Co. F.C.D.
1137	M-15	105	7.58	O. Co. F.C.D.
1187	M-16	155	7.89	O. Co. F.C.D.
1199	N-16	140	7.22	O. Co. F.C.D.
1241	I-5	10	8.51	L.A. Co. F.C.D.
1288	K-6	135	7.53	L.A. Co. F.C.D.
1343	J-7	120	8.38	L.A. Co. F.C.D.
1395	J-8	235	—	L.A. Co. F.C.D.
1444	J-9	120	9.25	L.A. Co. F.C.D.
1482	J-10	165	8.90	L.A. Co. F.C.D.
1502	J-10	145	8.71	L.A. Co. F.C.D.
1546	K-11	105	8.52	L.A. Co. F.C.D.
1552	J-11	140	8.38	L.A. Co. F.C.D.
1565	K-12	120	9.04	L.A. Co. F.C.D.
1604	J-12	140	9.32*	L.A. Co. F.C.D.
1661	J-13	365	8.53	L.A. Co. F.C.D.
1664	J-13	215	9.27	L.A. Co. F.C.D.
1700	I-14	860	10.47	L.A. Co. F.C.D.
1706	K-14	250	9.48	L.A. Co. F.C.D.
1750	I-15	465	9.36	L.A. Co. F.C.D.
1757	K-15	285	7.41	O. Co. F.C.D.
1768	K-15	290	6.95	O. Co. F.C.D.
1774	J-15	635	9.35	L.A. Co. F.C.D.
1786	K-16	475	7.52	O. Co. F.C.D.
1853	J-17	710	10.26*	L.A. Co. F.C.D.
1862	J-17	765	7.57	L.A. Co. F.C.D.
1901	I-18	975	10.20	O. Co. F.C.D.
1906	K-18	850	9.57	O. Co. F.C.D.
1933	J-19	1150	8.76	O. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1948-49
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
2401	G-3	745	12.65	L.A. Co. F.C.D.
2445	H-3	95	9.54	L.A. Co. F.C.D.
2508A	I-5	88	8.86	U.S.W.B. (Santa Monica)
2511	G-5	1025	11.74	L.A. Co. F.C.D.
2544	H-5	340	10.00	L.A. Co. F.C.D.
2551	G-6	540	10.56	L.A. Co. F.C.D.
2555	H-5	230	10.39	L.A. Co. F.C.D.
2592	H-6	255	10.00	L.A. Co. F.C.D.
2607	I-7	65	8.15	L.A. Co. F.C.D.
2643	H-7	175	8.74	L.A. Co. F.C.D.
2686	H-8	200	8.49	L.A. Co. F.C.D.
2754	H-9	285	7.68	L.A. Co. F.C.D.
2754F	H-9	312	7.99	U.S.W.B. (Los Angeles)
2755	H-9	260	7.71	L.A. Co. F.C.D.
2870	G-12	485	9.97	L.A. Co. F.C.D.
2875	H-12	375	9.58	L.A. Co. F.C.D.
2915	H-12	320	10.59	L.A. Co. F.C.D.
2962	G-13	285	10.33	L.A. Co. F.C.D.
3009	I-14	600	11.27	L.A. Co. F.C.D.
3053	H-15	360	10.92	L.A. Co. F.C.D.
3079	I-15	375	9.68	L.A. Co. F.C.D.
3094	H-16	470	10.87	L.A. Co. F.C.D.
3123	H-16	630	11.58*	L.A. Co. F.C.D.
3149A	I-17	530	9.47	L.A. Co. F.C.D.
3160	G-17	805	13.72	L.A. Co. F.C.D.
3190	G-18	1030	12.80	L.A. Co. F.C.D.
3223	H-18	840	11.95	U.S.W.B. (Pomona)
3244	H-19	860	9.90	L.A. Co. F.C.D.
3256	I-19	780	10.25	L.A. Co. F.C.D.
3280	G-19	1165	12.61	L.A. Co. F.C.D.
3290	G-20	1195	10.79	U.S.W.B. (Claremont)
3602	E-3	875	6.72	L.A. Co. F.C.D.
3673	F-4	815	7.16	L.A. Co. F.C.D.
3685	F-4	1000	7.40	L.A. Co. F.C.D.
3706	F-5	1400	10.03	L.A. Co. F.C.D.
3742	E-5	695	7.17	L.A.D. of W.&P.
3749	G-5	725	10.21	L.A. Co. F.C.D.
3786	F-6	1175	9.84	L.A. Co. F.C.D.
3810	E-7	730	5.41	L.A. Co. F.C.D.
3834	F-7	595	7.68	L.A. Co. F.C.D.
3868	F-8	750	9.47	L.A. Co. F.C.D.
3891	E-8	620	7.54	L.A. Co. F.C.D.
3894	F-8	470	8.32	L.A. Co. F.C.D.
3897	F-8	1025	9.78	L.A. Co. F.C.D.
3906	F-8	1400	10.32	L.A. Co. F.C.D.
3907	F-8	1400	9.66	L.A. Co. F.C.D.
3917	G-9	750	10.27	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

** Incorrectly shown on map as 3763

PRECIPITATION RECORDS FOR SEASON 1948-49
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
3921A	E-9	1300	9.64	L.A. Co. F.C.D.
3934	F-9	530	9.46	L.A. Co. F.C.D.
3939	G-9	455	7.72	L.A. Co. F.C.D.
3943	E-9	620	9.48	L.A. Co. F.C.D.
4001	E-10	1335	11.79	L.A. Co. F.C.D.
4010	E-10	1155	11.98	L.A. Co. F.C.D.
4023	E-11	1040	12.36*	L.A. Co. F.C.D.
4028	G-11	620	9.86	L.A. Co. F.C.D.
4048	G-11	690	10.84	L.A. Co. F.C.D.
4061	E-11	1125	12.65	L.A. Co. F.C.D.
4073	F-12	985	12.63	L.A. Co. F.C.D.
4076	F-12	750	10.92	L.A. Co. F.C.D.
4087	F-12	670	11.54	L.A. Co. F.C.D.
4092	E-12	1055	12.77	L.A. Co. F.C.D.
4099	G-12	490	9.95	L.A. Co. F.C.D.
4110	E-12	2515	17.58	L.A. Co. F.C.D.
4111	E-12	1385	14.37	L.A. Co. F.C.D.
4135	F-13	630	11.75	L.A. Co. F.C.D.
4142A	E-13	1120	15.86	L.A. Co. F.C.D.
4152	E-13	1100	14.79*	L.A. Co. F.C.D.
4153	E-13	985	13.99*	L.A. Co. F.C.D.
4154	F-13	660	12.26*	L.A. Co. F.C.D.
4163	F-13	700	11.76	L.A. Co. F.C.D.
4164	F-13	610	12.13*	L.A. Co. F.C.D.
4171A	E-14	1440	15.35	L.A. Co. F.C.D.
4195	F-14	600	11.65	L.A. Co. F.C.D.
4211	E-14	1800	19.60	L.A. Co. F.C.D.
4212	E-14	1375	16.75	L.A. Co. F.C.D.
4230	E-15	2725	22.59	L.A. Co. F.C.D.
4231	E-15	2300	19.17	L.A. Co. F.C.D.
4285	F-16	675	12.68	L.A. Co. F.C.D.
4293	E-16	800	14.59	L.A. Co. F.C.D.
4294	F-16	750	14.25	U.S.W.B. (San Gabriel Power House)
4296	F-16	600	12.18*	L.A. Co. F.C.D.
4296A	F-16	605	11.76	U.S.W.B. (Azusa)
4306	F-16	615	12.84	L.A. Co. F.C.D.
4309	G-16	545	10.72	L.A. Co. F.C.D.
4331	E-16	1210	17.22	L.A. Co. F.C.D.
4336	F-17	785	13.79	L.A. Co. F.C.D.
4346	F-17	820	14.14	L.A. Co. F.C.D.
4354	F-17	1200	15.38	L.A. Co. F.C.D.
4383	E-18	1575	18.44	L.A. Co. F.C.D.
4386	F-17	965	15.24	L.A. Co. F.C.D.
4399	G-18	960	11.93	L.A. Co. F.C.D.
4407	F-18	1110	14.59	L.A. Co. F.C.D.
4407A	G-18	1080	13.76	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1948-49
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4424	F-18	1350	16.08	L.A. Co. F.C.D.
4433	E-18	1500	16.17	L.A. Co. F.C.D.
4444	F-19	1680	14.86	L.A. Co. F.C.D.
4457	F-19	1435	13.73	L.A. Co. F.C.D.
4487	F-19	1405	13.76	L.A. Co. F.C.D.
4517	G-20	1525	14.64	L.A. Co. F.C.D.
4522	E-20	2500	17.13	U.S.W.B. (Mouth of San Antonio Canyon)
4545	F-21	1785	13.93	J.R. Johnston
4566	F-21	1605	13.52	Liberty Groves Operating Corporation
4687	D-2	900	7.07	L.A. Co. F.C.D.
4694	C-2	965	8.17*	L.A. Co. F.C.D.
4747	D-4	900	6.84	L.A. Co. F.C.D.
4811	C-5	1150	8.95	L.A. Co. F.C.D.
4832	C-5	950	8.22	L.A. Co. F.C.D.
4837	D-5	815	7.19	L.A. Co. F.C.D.
4864	C-6	945	7.77	L.A. Co. F.C.D.
4894	C-6	955	8.09	L.A. Co. F.C.D.
4946	D-7	1000	8.19	L.A. Co. F.C.D.
5014	C-8	1750	12.33	U.S.W.B. (La Crescenta)
5060	C-10	1825	15.21*	L.A. Co. F.C.D.
5067	D-9	1565	14.37	L.A. Co. F.C.D.
5076	D-10	2325	17.15	L.A. Co. F.C.D.
5109	E-10	1280	12.20	L.A. Co. F.C.D.
5115	D-11	1820	17.52*	L.A. Co. F.C.D.
5127	D-11	1490	13.32	U.S.W.B. (Arroyo Seco)
5139	E-11	1180	12.79	L.A. Co. F.C.D.
5144	C-11	2980	17.14	L.A. Co. F.C.D.
5204	C-12	4230	23.02	U.S.W.B. (Opid's Camp)
5247	D-13	5650	21.40	L.A. Co. F.C.D.
5267	D-13	3225	23.04*	L.A. Co. F.C.D.
5269	D-13	2600	23.73	L.A. Co. F.C.D.
5446	D-17	1500	14.70	L.A. Co. F.C.D.
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5872	A-4	1270	8.96	L.A. Co. F.C.D.
5908	B-5	1225	9.87	L.A. Co. F.C.D.
5922	A-5	1480	11.98	L.A. Co. F.C.D.
5928	B-5	1250	9.88	L.A. Co. F.C.D.
5988	B-6	1455	12.85	L.A. Co. F.C.D.
6005	B-7	1700	12.01	L.A. Co. F.C.D.
6289A	B-12	3625	13.44	L.A. Co. F.C.D.
6355	A-13	4300	10.09	U.S.W.B. (Alder Creek)
6558A	B-17	5735	21.05	L.A. Co. F.C.D.
6569	B-17	4650	19.87	L.A. Co. F.C.D.

*Partially estimated by comparison with nearby stations.

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