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THE RESOURCES AGENCY OF CALIFORNIA
Department of Water Resources

BULLETIN No. 91-6

DATA ON WELLS IN THE
EDWARDS AIR FORCE BASE AREA
CALIFORNIA

PREPARED BY

UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

STEWART L. UDALL
Secretary of Interior

EDMUND G. BROWN
Governor
State of California

WILLIAM E. WARNE
Administrator
The Resources Agency of California
and Director
Department of Water Resources

JUNE 1962

FEDERAL-STATE
COOPERATIVE GROUND WATER INVESTIGATIONS

State of California
THE RESOURCES AGENCY OF CALIFORNIA
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This report is one of a series of open file reports prepared by the United States Department of Interior Geological Survey, Ground Water Branch, which present basic data on wells obtained from reconnaissance surveys of desert areas. These investigations are conducted by the Geological Survey under a cooperative agreement whereby funds are furnished equally by the United States and the State of California. The reports in this Bulletin No. 91 series are being published by the Department of Water Resources in order to make sufficient copies available for use of all interested agencies and the public at large.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Water Resources Division
Ground Water Branch
Sacramento 14, California

April 11, 1962

Mr. William E. Warne, Director
California Department of Water Resources
P. O. Box 388
Sacramento 2, California

Dear Mr. Warne:

We are pleased to transmit herewith, for publication by the Department of Water Resources, the U.S. Geological Survey report, "Data on Wells in the Edwards Air Force Base Area, California," by L. C. Dutcher, J. S. Bader, W. J. Hiltgen, and others.

This report, one of a series for the Mojave Desert region, was prepared by the Long Beach subdistrict office of the Geological Survey in accordance with the cooperative agreement between the State of California and the Geological Survey. It tabulates all available data on wells on Edwards Air Force Base, data on selected wells for the area south of the Base, and shows reconnaissance geology with special reference to the water-yielding deposits.

Sincerely yours,



Fred Kunkel
District Geologist

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DATA ON WELLS IN THE EDWARDS AIR FORCE BASE AREA, CALIFORNIA

By L. C. Dutcher, J. S. Bader, W. J. Hiltgen, and others

PURPOSE AND SCOPE OF THE WORK AND REPORT

The data presented in this report were collected by the U.S. Geological Survey as a phase of the investigation of ground-water geology and hydrology of the Edwards Air Force Base area. The study was made in cooperation with the Department of the Air Force but also was coincident with the U.S. Geological Survey investigation of water wells and general hydrologic conditions throughout much of the desert region of southern California. The overall study of general hydrologic conditions in the desert is part of a cooperative program with the California Department of Water Resources.

The desert regions of California are characteristically regions of nearly barren mountain ranges and isolated hills surrounding broad valleys which are underlain by alluvial deposits derived from the surrounding highlands. The valley areas generally contain ground water that has a wide range of chemical quality, but much of the water can be developed for beneficial use.

The general objective of the cooperative investigation was to collect and tabulate hydrologic data for the Edwards Air Force Base and surrounding area in order to provide the military, public agencies, and the general public with data for use in planning water-utilization and development works, and for use in the overall ground-water investigation of the area.

Accordingly, the scope of the work carried out by the Geological Survey has included: (1) Visiting and examining all the water wells within the limits of Edwards Air Force Base and visiting and examining selected wells in the area bordering the base on the south and southwest, determining and recording the locations of wells in relation to geographic and cultural features and the public-land net, and recording well depths and sizes, types and capacities of pumping equipment, uses of the water, and other pertinent information available at the well site; (2) measurements of the depth to the water surface below an established and described measuring point at or near the land surface; (3) selection of representative wells to be measured periodically in order to detect and record changes of water levels; and (4) collection and tabulation of well records, including well logs, water-level measurements, and chemical analyses.

The work has been done by the Geological Survey, under the general supervision of H. D. Wilson, Jr., district engineer in charge of ground-water investigations in California, and under the direction of Fred Kunkel, geologist in charge of the Long Beach subdistrict office.

LOCATION AND GENERAL FEATURES OF THE AREA

The Edwards Air Force Base area described in this report (fig. 1) covers approximately 880 square miles in the north-central and north-eastern parts of Antelope Valley. The principal communities in the area are Lancaster, Rosamond, and Edwards Air Force Base.

The area is in the southwestern part of the Mojave Desert region between long $117^{\circ}30'$ and $118^{\circ}17'$ W. and lat $34^{\circ}40'$ and 35° N. The area described in this report is bordered by the following areas described in previous reports of the Geological Survey: To the west and northwest, the Willow Springs, Gloster, and Chaffee area (Kunkel and Dutcher, 1960); to the north, the Fremont Valley area (Dutcher, 1959); to the east, the west part of the Middle Mojave Valley area (Page, Moyle, and Dutcher, 1959); and to the southeast, the Upper Mojave Valley area (Bader, Page, and Dutcher, 1958). The eastern boundary also coincides with the boundary line between San Bernardino County and Los Angeles and Kern Counties.

The area is shown on all or parts of the following U.S. Geological Survey topographic quadrangle maps: Alpine Butte, Boron, Castle Butte, Kramer, Rogers Lake, Rosamond, and Willow Springs at a scale of 1:62,500; and Lancaster West and Lancaster East at a scale of 1:24,000. Access to the area is by U.S. Highways 6 and 466, as well as several other paved and many unpaved roads.

The area is characterized by gently sloping alluvial plains and fans that extend into the area from the northern slopes of the San Gabriel Mountains and the eastern slopes of the Tehachapi Mountains. The drainage of the area is closed, and the infrequent runoff flows toward the playa lakes in the lowest parts of the valley.

The Kramer Hills are the dominant topographic forms in the eastern part of the area. The Rosamond and Bissell Hills rise above the alluvial plain near Rosamond in the west and north-central parts of the area. The hills consist mainly of igneous rocks, which yield little water.

PREVIOUS WORK AND ACKNOWLEDGMENTS

Data on ground water in the Edwards Air Force Base area are contained in several U.S. Geological Survey water-supply papers and in reports by the California Department of Water Resources and California Department of Public Works, Division of Water Resources (table 3).

The California Department of Water Resources and the Los Angeles County Flood Control District supplied pertinent open-file information. The Corps of Engineers, U.S. Army, also supplied water-level records and other miscellaneous data. The data contained in a private report made available by Mr. Cyril Williams contributed greatly to the completeness of the data in the northwest part of the area.

The geology, as shown on figure 2, is generalized after published mapping by T. W. Dibblee, U.S. Geological Survey, in the Alpine Butte, Boron, Castle Butte, Kramer, and Rogers Lake quadrangles, unpublished mapping by L. C. Dutcher, and unpublished mapping by Mr. Dibblee in the Rosamond and Willow Springs quadrangles.

The cooperation and assistance by the agencies and individuals listed above is gratefully acknowledged as is the assistance given by the many ranchers, well owners, drillers, and others who contributed materially to the completeness of the data presented in this report.

Williams, Cyril, Jr., Consulting Engineer, San Francisco, Calif., 1930, Supply investigation in the vicinity of Mojave, Calif. Prepared for Pacific Portland Cement Co., written communication.

GEOLOGIC AND HYDROLOGIC FEATURES OF THE AREA

The geologic units in the Edwards Air Force Base area can be grouped into two broad categories: consolidated rocks and unconsolidated deposits. The consolidated rocks include igneous intrusive and metamorphic rocks of pre-Tertiary age and continental volcanic and sedimentary rocks of Tertiary age. The igneous and metamorphic rocks of pre-Tertiary age are for the most part impervious and, except for minor amounts of water from cracks and weathered zones, yield little or no water.

The consolidated rocks of Tertiary age consist of basalt, felsic volcanic rocks, and nonmarine sedimentary rocks. Dibblee (1960, pl. 8, 1958a, and 1958b), included all these rocks in the Tropic group of Miocene(?) to Pliocene(?) age. The sedimentary rocks include conglomerate, sandstone, siltstone, shale, limestone, and water-laid tuff and agglomerate. For the most part the consolidated sedimentary rocks are poorly permeable, but if penetrated by wells probably would yield small amounts of water in some places.

The felsic volcanic rocks include the Bobtail quartz latite member of the Gen Hill formation of Miocene(?) age mapped by Dibblee in the Willow Springs and Rosamond quadrangles, and other volcanic rocks of andesitic, dacitic, and rhyolitic composition.

Extrusive and intrusive basalt of Miocene(?) to Pliocene age also occurs in the area. Although the basalts are poorly permeable, if penetrated by wells part of the extrusive basalts probably would yield small to moderate amounts of water locally.

The unconsolidated deposits include older alluvium and older fan deposits of Pleistocene age, old windblown sand of Pleistocene and Recent age, and younger alluvium, younger fan deposits, playa and lakeshore deposits, and active dune sand of Recent age.

The older alluvium of late Pleistocene age, consists of compact arkosic gravel, sand, silt, and clay. The deposits are weathered, and locally the feldspar has been altered to clay. Beneath the valley areas the unit is finer grained and better sorted than near the hills where it is predominantly gravel. The thickness of the older alluvium varies greatly from place to place because it overlies an erosional surface of considerable local relief. Where saturated, the older alluvium yields large quantities of water to wells.

The older fan deposits, of Pleistocene age, consist of slightly consolidated conglomerate or unsorted, unbedded boulder gravel, cobble-pebble gravel, and sand occurring as isolated erosional remnants. The materials are mainly from a granitic source, but fragments of basalt, andesite, dacite, and metamorphic rocks are common. The unit is nearly everywhere unsaturated; however, its attitude suggests that locally it may extend beneath the younger deposits and, where saturated, may yield small quantities of water to deep wells.

The old windblown sand is mostly stabilized, unconsolidated to partly indurated, and generally fine grained or very fine grained. It is above the water table, but in some places it contains small quantities of perched ground water.

The younger alluvium, of Recent age, consists of gravel, sand, silt, and clay. The deposits are unweathered and near the hills the unit consists predominantly of poorly sorted gravel and sand, but beneath the valley areas it is finer grained and better sorted. The thickness of the younger alluvium is not generally known but presumably is nowhere greater than about 100 feet. Where saturated in the lower parts of the valleys, the younger alluvium yields moderate quantities of water to wells.

The younger fan deposits, of Recent age, are mostly poorly sorted boulders, arkosic gravel, sand, silt, and clay derived from nearby hills or mountains. The materials have been transported only a short distance and mainly represent mudflow or slope-wash debris. Near the hills and mountains the younger fan deposits are coarse grained, but they become finer with increasing distance from the areas of active erosion. These deposits are poorly sorted and poorly permeable, are usually above the water table, and are unpromising as sources of water.

In the lower parts of the valleys, the alluvial deposits are overlain by playa deposits, younger and older dune sand, and lakeshore deposits. The playa deposits are mainly clay and silt of low permeability and the remaining units are generally above the water table and are of little or no importance with regard to ground water in the area.

In 1959 the water levels in wells ranged from near land surface beneath the lowest parts of the valley areas to more than 280 feet below the surface of the higher parts of the alluvial fans and plains. Ground-water recharge to the area is from subsurface flow from adjoining areas, from infiltration of rain, and from percolation of infrequent runoff in streams that cross the fans to the playas.

DESCRIPTION OF TABLES

The tables in this report contain or refer to all known data, published or unpublished, for wells located on Edwards Air Force Base and all known data, published or unpublished, for selected wells in the area surrounding the base.

In table 1, all wells canvassed in the Edwards Air Force Base area for which data are available are listed in numerical order.

In table 2, cross indexes are given for numbers previously assigned to wells by others and well numbers assigned by the Geological Survey.

In table 3, publications or reports which contain water-level measurements made in wells in the Edwards Air Force Base area are given.

In table 4, the wells are listed for which periodic water-level measurements are available.

Table 5 contains all available unpublished records of water levels in wells and the measurements made by the Geological Survey through March 1960.

Table 6 contains logs of wells, and table 7 contains chemical analyses of waters from wells.

WELL-NUMBERING SYSTEM

The well-numbering system used in the Edwards Air Force Base area conforms to that used in virtually all ground-water investigations made by the Geological Survey in California since 1940. The system has been adopted by the California Department of Water Resources and by the California Water Pollution Control Board for use throughout the state.

Wells are assigned numbers according to their location in the rectangular system for the subdivision of public land. For example, in the number 8/11-35J2 the part of the number preceding the slash indicates the township (T. 8 N.), the part between the slash and the hyphen indicates the range (R. 11 W.), the number between the hyphen and the letter indicates the section (sec. 35), and the letter indicates the 40-acre subdivision of the section as shown in the accompanying diagram.

D	C	B	A
E	F	G	H
I	L	K	J
M	P	Q	R

Within the 40-acre tract, the wells are numbered serially as indicated by the final digit. Thus, well 8/11-35J2 is the second well to be listed in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 8 N., R. 11 W. (San Bernardino base and meridian).

Because all the wells in the Edwards Air Force Base area are in the northwest quadrant of the San Bernardino base and meridian lines, the foregoing abbreviations of the township and range are sufficient.

For well numbers where the letter Z has been substituted for the letter designating the 40-acre tract, the Z indicates that the well is plotted from unverified location descriptions; the indicated sites of such wells were visited but no evidence of a well could be found.

Prior to the work done by the Geological Survey in the Edwards Air Force Base area, the Los Angeles County Flood Control District numbered wells on the basis of an arbitrary grid network. To correlate data identified by this older numbering system a supplementary cross index is shown in table 2 in which wells are listed in order according to the Flood Control District numbers.

REFERENCES CITED

- Bader, J. S., Page, R. W., and Dutcher, L. C., 1958, Data on water wells in the Upper Mojave Valley area, San Bernardino County, California: U.S. Geol. Survey open-file mimeo. rept., 238 p.
- California Department of Public Works, Division of Water Resources, 1944-46, 1948-50, 1953-56, South coastal basin investigation including San Jacinto Valley and Antelope Valley: Bull. 39-J, 39-K, 39-L, 39-M, 39-N, 39-O, 39-P, 39-Q, 39-R, 39-S, 39-T, 39-U, 39-V, and 39-W.
- California Department of Water Resources, 1957, Water supply conditions in southern California during 1955 and 1956: Bull. 39-56, p. 157-160.
- _____ 1958, Water supply conditions in southern California during 1956-57, v. 3, Precipitation and water level data, Lahontan, Colorado River basin, Santa Ana, and San Diego regions: Bull. 39-57, p. E31-48.
- Dibblee, T. W., Jr., 1958a, Geologic map of the Boron quadrangle, Kern and San Bernardino Counties, California: U.S. Geol. Survey Mineral Inv. Map MF-204.
- _____ 1958b, Geologic map of the Castle Butte quadrangle, Kern County, California: U.S. Geol. Survey Mineral Inv. Map MF-170.
- _____ 1959, Geologic map of the Alpine Butte quadrangle, California: U.S. Geol. Survey Mineral Inv. Map MF-222.
- _____ 1960, Geology of the Rogers Lake and Kramer quadrangles, California: U.S. Geol. Survey Bull. 1089-B, 139 p.

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- Thompson, D. G., 1929, The Mohave Desert region, California: U.S. Geol. Survey Water-Supply Paper 578, p. 289-371.
- U.S. Geological Survey, 1945-57, Water levels and artesian pressure(s) in observation wells in the United States, part 6, Southwestern United States: Water-Supply Papers 991, 1021, 1028, 1076, 1101, 1131, 1161, 1170, 1196, 1226, 1270, 1326, and 1409.

Table 1.--Description of wells in the Orange Air Force Base area, California

Well number: The number given is the Geological Survey number assigned to the well according to the system described on page 14.

Date of observation: Data for each well are presented in reverse chronological order, with the most recent information summarized on the top line, opposite the well number.

Owner or user: The name given is the owner or user of the well on the date indicated. If more than one set of data are given for a well, the name is not repeated unless it is known to be different.

Year completed: The completion date was obtained from the driller's log or reported by the owner or others.

Depth: Depths of wells given in whole feet were reported by owners, drillers, or others; depths given in feet and tenths were measured below land-surface datum by the Geological Survey.

Type of well and diameter: Type of well construction is indicated by the following symbols: C cable tool, D dug, G gravel packed, R rotary. The number following the letter is the diameter of the casing or pit, in inches.

Pump type and power: The type pump or method of lift is indicated by the following symbols: C centrifugal, J jet, L lift, N none, S subsurface turbine, T turbine. The type of power is indicated as follows: E electric motor of undetermined horsepower (where a number appears in this column it indicates the rated horsepower of an electric motor), H hand, I internal combustion engine, M none, W windmill.

Yield: The yield or output of the pump in gallons per minute is usually based on reports of the well owners or drillers and is not necessarily the maximum capacity of the well or installed pump.

Note: Bs base supply; Ds destroyed, Dc duck club, Dm domestic, I irrigation, Ps public supply, S stock, Un unused.

Measuring point: The point from which the water-level measurements were made by steel tape is described as follows:

<u>Lac</u> bottom of hole in casing	<u>Ls</u> land surface	<u>Tc</u> top of casing
<u>Dpb</u> bottom of pump base	<u>Na</u> no access into well	<u>Tcc</u> top of casing cover
<u>Mpb</u> hole in pump base	<u>Tap</u> top of access pipe	<u>Tf</u> top of flange

The suffix letters N, S, E, and W indicate the north, south, east, or west side from which the measurement was made. The distance of the measuring point above or below (-) land-surface datum is given in feet and tenths and sometimes hundredths. All measurements of water level are from the same measuring point unless otherwise indicated.

Altitude: The altitude given is the altitude of land-surface datum, the plane of reference at the well, and is related to mean sea level. Altitudes given to the nearest foot were interpolated from topographic maps having 5-, 15-, 25-, and 100-foot contour intervals. Altitudes given to the nearest tenth of a foot were determined by spirit leveling by the U.S. Army Corps of Engineers or Cyril Williams, Jr., engineer.

Water level: The water-level measurements were made by steel tape. Measured depths to water level are given in feet, tenths, and hundredths, or feet and tenths; reported or approximate depths to water level are given in whole feet. The water-level measurements are below land-surface datum, and the distance between the measuring point and land-surface datum has been subtracted from or added to the measured water level below the measuring point; the measurement given is the depth to water below land-surface datum.

Other data: C chemical analysis of water given in table 7, part 1; Op partial chemical analysis of water given in table 7, part 2; L driller's log of well given in table 6; V unpublished records of water levels are given in table 5; Sp records of water levels given in the references shown in tables 3 and 4.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level depth below lsd (feet)	Other data
			Year completed	Depth (feet)	Type, diam: ever: (in.)	Pump type and power				

T. 7 N., R. 8 W.

7/3-731 2-2-51 M. R. Card 1938 343 12 N N Un Tc -0.2 2,970 233.56

T. 7 N., R. 9 W.

7/9-181 2-2-51 M. R. Card 1946 299.7 12 S 3 Ds 3,059
 641 3-15-51 Jasper Center 1945 324 14 T 50 I 2,492
 17N1 11-10-50 W. H. Brown 1945 303.0 12 N N Un Tcc 0 2,492
 17N2 3-1-60 W. H. Brown 1945 303.0 12 N N Un Tcc 0 2,492
 12-8-50 195.82
 17P1 11-10-50 W. H. Brown 1931 250 10 N N Un Tcc 0 2,492
 17E1 11-17-50 Edward Coltzau 1931 250 10 N N Un TcW 1.0 2,470
 152.92
 18P1 11-15-50 F. H. Brown 1949 324 14 T 50 I Hpbs 2.0 2,489
 166.95
 18R1 11-10-50 F. H. Brown 1949 324 14 T 50 I Ds 2,490.0
 18P2 11-10-50 F. H. Brown 1949 324 14 T 50 I Hpbs .5 2,490
 160.54
 18R3 11-10-50 H. K. Hall 1949 350 14 T 40 I Na 2,490

19H1	11-10-50					T 50	I	Na	2,502	
19P1	11-13-50	J. Paeano	1949	402	12	T 40	I	TcW 1.0	2,512	183.65
19R1	11-10-50	McGILL				T 40	I	Na	2,515	
20E1	11-10-50			380		T 40	I		2,505	a168.4 W
20F1	11-10-50			291.0	12	N H	Un	Tc 0	2,506	157.60
20F2	11- 8-50	J. C. Oliver				T 35	I	Na	2,506	a156.1
20L1	11-10-50	J. G. Bishop	1914				Ds		2,518	L
20M1	11-10-50	J. G. Oliver	1946	360	G 16	T 60	I	TcS 0	2,520	169.66 C, Cp
20P1	11-10-50	J. G. Oliver				T 55	I	HpbS .3	2,525	163.31
21B1	11-14-50	H. W. Harris	1948	317	G 10	S 1	Dm	TcE .5	2,592	Cp
27M1	11-11-50	Wilsona Gardens	1949	265	G 12	T 10	I	TapE 1.2	2,569	147.38 Cp
29M1	11-10-50 11-13-49 11-15-48				14	T 30	I	TcN 0	2,547	147.39 Cp, Wp 144.4 140.3
29M2	11-10-50	Tygson		138.0	16		Ds		2,553	Wp
28P1	11-10-50	H. L. Graham	1914		10		Ds		2,558	L
30E1	11-11-50	A. L. McCaleb	1947	350	G 14	T 75	I	Na	2,522	C
30F1	11-11-50	A. L. McCaleb	1919	312	12	T 20	Dm	Na	2,524	C

see footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type, diam-eter, (in.): pump	Pump type and power			Yield: (gpm)	Use
T. 7 N., R. 9 W.--Continued										
7/9-30G1	11-13-50	J. O. Hoover	1950	306	G 10	810	I	2,530		L
34L1	11-11-50	Linda Mia	1930	200	T 30		I	2,600		Cp
34M1	11-11-50	J. C. McGowan		140.0	12	360	Ds	2,587		L
T. 7 N., R. 10 W.										
7/10-1G1	3-15-51				T 50		Un	2,429		Cp
2J1	3- 4-52 11-16-51 3-15-51			G 10	S 40		I	2,450	153.70 154.22 146.36	
1M1	1-24-51	W. H. Bolt	1947	406	14	T I	I	2,432	131.00	L
2A1	4-25-51				T 50		I	2,412		
2E1	10-16-51	M. J. Hughes	1929	403	12	T 30	I	2,412	125.58	W
2P1	4-25-51	Leah Darling		600		T 15	I	2,422		
2P1	3- 4-52 4-25-51	R. W. Lamareaux	1948	508	14	T 50	I	2,427	131.67 129.33	Cp
3M1	4-24-51	J. A. Schmitt				T 30	I	2,415	(d)	Cp

4F1	3-4-52 11-15-51	J. G. Cole	1928	996	16	T 75	1,300	I	HpbM	.6	2,397	119.69 142.59
4M1	4-24-51					T 50		I	Na		2,406	
5B1	4-25-51	A. F. Batz	1942	370	12	T 35	270	I			2,387	
5C1	3-4-52 11-17-51	A. F. Batz	1951	354	14	T E	670	I	Tc	1.0	2,387	117.49 117.56
5E1	4-25-51	Olin Dierek	1924	601	14	N N	900	Un	Tc	.5	2,391	169.39 L, W
5F1	10-23-56	R. S. Miller	1948	384	12	T 25	350	I	Bhc	-.5	2,392	182.37 ..
5M1	9-14-56 10-16-51	Ella Cunningham	1937	387	14		450	Ds Un	Tc	0	2,396	Wp 174.70
5N1	4-26-51	Ella Cunningham			14			Ds			2,401	Wp
5N2	10-24-51	Ella Cunningham	1921	404	16		1,350	Ds			2,401	Wp
5N3	1-23-51	W. E. Hennehan	1944	980	16	T 60		I	Hpb	0	2,398	118.74 Cp, W, Wp
5N4	10-18-54	W. E. Hennehan	1949	378	G 12	T 30	630	I	TcE	.5	2,403	185.50
5P1	4-19-51			378	12	T 50		I			2,403	
5Q1	4-19-51	J. E. Houghton	1946	420	RG 14	T 50	810	I			2,403	135
5R1	4-19-51	George Amos	1938	410	14	T 25		I	HpbM	.6	2,406	164.36
5R2	4-24-51	J. Cole & Son	1947	412	G 14	T 50	900	I	BhcM	.2	2,400	147.00
6A1	4-25-51	A. F. Batz	1925	350	12	T 30	580	I	Na		2,384	
6C1	4-26-51	A. F. Batz	1947	372	12	T 50	630	I	Na		2,382	

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level		
			Year completed	Depth (feet)	Type, diam., eter, (in.)	Pump type and power			Yield (gpm)	Use	Depth below lsd (feet)
7/10-6F1	4-20-51	Hill	1930	355	12	T 40	I	Na	2,386		
6G1	4-20-51	Hill				T 35	I	Na	2,386		
6G2	4-20-51	Hill		330.0	16	N N	Un	TcS 2.0	2,387	114.70	
6H1	3-3-51	Hill			G 14	T 50	I	TcE 1.7	2,387	125.78	
6N1	3-3-51 11-20-51 4-20-51	Olin App	1949	1,070	14	T 60	I	HpbS 1.5	2,396	123.50 153.80 165.56	L
6R1	4-19-51	Clark Cooper	1928	1,011	18	T 50	I	Na	2,399	(b)	C, Mp
6R2	4-20-51					T 30	I		2,394		
7B1	4-19-51			20.0	6		Ds		2,397		Mp
7B2	4-19-51	A. E. Burley	1925	440	12	T 50	I	HpbN .4	2,403	146.79	
7B3	4-19-51	A. E. Burley	1915	450	11	N N	Un	Tc -1.4	2,403	65.98	
7J1	4-19-51 4-20-51 4-20-51	Fred Gochen	1945	315	8	L W	Dm	TcW 1.5	2,408	185.45 140.50 152.38 169.65	

T. 7 N., R. 10 W.--Continued

7H1	4-18-51	M. Pavard		10	T 35	I	Hpb	.4	2,412	c177.60
7P1	4-18-51	James Dougherty			T 50				2,416	
7H1	4-23-51	Henry Bretholz	1942	14	T 50	I	Hpb	1.5	2,418	166.86
7R2	3-4-52 11-16-51	Henry Bretholz	356.1	12	N N	Un	TcS	0	2,418	147.82 158.80
8A1	4-20-51	Claude Williams		12	N N	Un	Tc	-.6	2,412	103.25
8A2	4-20-51	Claude Williams	1925	13	T 40	I			2,413	
8D1	4-19-51		300	12	N N	Un	Tc	1.5	2,407	154.46
8E1	4-19-51	J. C. Thompson	1946	14	T 55	I	Hpb	0	2,411	(d)
8H1	4-24-51	W. R. Parkhurst	1930	16	T 50	I			2,421	
9C1	4-24-51			G 14	T 50				2,413	
9E1	4-24-51			17	N N	Un	Tc	1.8	2,422	153.75
9G1	3-4-52 11-14-51 4-24-51		1919	11	N N	Un	Ls	0	2,412	123.75 133.76 157.90
9H1	4-24-51	Ann Cook	1926		T 30	I			2,421	
9H2	4-24-51	A. Miller	1923	12	T 25	I	Ma		2,417	L
10E1	4-24-51				T 50	I			2,421	
10H1	5-15-51	Lester Miller	300	10	T 40	I			2,437	
10P1	4-24-51	Lester Miller	1947		T 75	I			2,434	

See footnotes at end of table.

Wells number	Date of observation	Owner or user	Well data				Year completed	Yield (gpm)	Measuring point (feet)	Altitude of lsd (feet)	Water level		Other data
			Type, diam., depth (feet)	Pump type and eter (in.)	Power	Use					Depth below lsd (feet)	W, Wp	
7/10-12H1	9-15-56	Charles Flesh	12	G 14	T 50	1948	900	TcW 0	2,449			W, Wp	
13M1	11-15-50	George Suhrie	400	G 14	T 50	1948	900	Un	2,476				
13M2	11-16-50	George Suhrie	390	14	N N			Un	2,475		169.17		
14Q1	3-1-60 12-8-59 3-12-59 11-29-50	E. Hecht	350	14	N N			Un	2,464		241.38 236.20 224.95 159.36		
14R1	3-5-52 11-14-51 11-17-50	E. Hecht	365	8	L N			Un	2,465		167.17 169.72 162.78		
14R2	11-29-50	E. Hecht	402	8		1915	630	Ds	2,465			Wp	
14R3	11-14-51	E. Hecht	480	G 14	S 50	1950	990	I Tcc 0	2,466		169.54	L	
16L1	4-12-51	Ryle			T 60			I	2,456				
16M1	4-12-51	Donald Johnston		12	T 50			I	2,455				
17G1	4-12-51	O. M. Grouen	485	12	T 40	1929	630	I	2,438		(b)		
17K1	4-12-51	Hollingsworth	480		T 30			I Na	2,445				
17R1	4-12-51	Paul Getman	400	10	T 50	1926		I	2,453			W	

T. 7 M., R. 10 W.--Continued

18C1	4-19-51	R. A. Trombatore	1937	360	12	T 30	I	Tc	.2	2,420	169.45
18D1	4-18-51				7	NN	Un	Tc	1.0	2,417	107.2
18J1	3-28-51	Fred Tersfeld	1930	187.0	8	LW	Dm	TcW	0	2,445	158.80
18J2	3-28-51	Robert Ellis		350	6	T	Un			2,438	
18Q1	3-4-52 11-15-51	O. D. Reese	1926	614	12	T 50	I	HpbE	.8	2,445	171.09 188.66
18R1	3-28-51	Charles Porter		550	12	T 40	Dm	Na		2,449	
19A1	3-23-51				G 8	NN	Un	Tc	.3	2,453	167.50
19C1	3-27-51	R. B. Shell		550	16	T 30	I			2,452	
19D1	3-27-51	Howard Flory	1946	333	8	LW	Dm	TcS	.6	2,445	183.83 Wp
19H1	3-5-52	Jessie Farmer	1930	450	14	T 35	I	Tc	1.3	2,459	181.44
19H2	11-19-51	Jessie Farmer	1951	600	G 14	T 60	I	TcE	0	2,460	191.05
19Q1	12-26-50	Petan Ranch	1947	600	G 16	T 100	I			2,473	
19R1	3-23-51	Harmand					810	Ds		2,476	
20A1	11-16-51 12-6-50	J. H. Wood	1920			NN	Un	Tap	.2	2,458	186.67 174.74
20H1	12-7-50	J. H. Wood	1920	400	12	T 50	Un	Na		2,457	
20F2	3-5-52 11-19-51	J. H. Wood	1951	600	G 14	T 50	I	HpbW	1.0	2,457	179.40 188.76

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data					measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Year completed	Depth (feet)	Type, diam-eter, (in.)	Pump type and power	Yield (gpm)				
7/10-20H1	12-8-50	H. A. Pagel	1930	10	T 40	400	I	2,467	(b)	Cp	
20H2	12-7-50	J. H. Wood	1940	12	T 30	540	I	2,460			
20J1	12-8-50	Fletcher Wiley	1927	16	T 100	1350	I	2,472			
20L1	11-8-51	Dr. Belt	1947	14	T E		I	2,466		L	
20M1	12-8-50	Fletcher Wiley	1939	12	T I	540	I	2,477			
20R1	12-8-50	Fletcher Wiley	1930	12	T 25	450	I	2,479			
21A1	3-23-51	Ralph Kiewit		12	N N		Ds	2,465		Wp	
21E1	12-1-50				T 50		I	2,467			
21F1	11-28-50	A. Piani	1945	16	T 75	1120	I	2,472			
21H1	11-28-50	A. Piani	1950	G 14	S 60	990	I	2,473			
21J1	11-29-50	A. Piani	1947	G 14	T 75	900	I	2,481			
21M1	12-1-50	F. J. Burns	1920	12	T 25		I	2,482	(b)		
21R1	11-29-50	A. Piani	1946	G 14	T 60	675	I	2,488			
22Z1	11-28-50	A. Piani	1922	14	T 30	225	I	2,468			

T. 7 M., S. 10 W. --Continued

22P1	11-28-50	A. Piani	1940	500	16	T 60	810	I	HpbN	.8	2,473	173.96
22L1	11-28-50	A. Piani	1947	540	G 14	T 60	720	I	Na		2,481	
22N1	11-30-50	Wilson-Moore	1946	425	G 14	T 60	1120	I	Na		2,486	
22W2	11-30-50	Wilson-Moore	1926	462	16		1350	Ds			2,486	
22W3	8-17-51	Wilson-Moore	1923	620	16		1170	Ds			2,486	L
23H1	11-28-50	T. D. & J. W. Kyle	1939	500	16	T 100	1920	I	Hpb	.5	2,476	169.93
23L1	11-29-50	F. J. Mounts	1949	500	G 14	N N		Un	Ten	1.2	2,483	179.33
24D1	11-15-50	L. S. Gervais	1930	363	10	T 25	160	I	Na		2,477	158 Cp
24E1	11-14-50	A. Freer	1929	350		T 50	1440	I	Na		2,481	
24G1	11-15-50	R. C. Schroeder	1931	447	12	T 50	810	I			2,489	(b)
24H1	11-15-50	R. C. Schroeder	1922	397	10	T 30		I			2,491	(b)
24L1	11-16-50	Frankinburger				T 40		I	Na		2,484	
24Q1	11-13-50	D. W. Haygood	1946	378	G 14	T 50		I	Na		2,501	L
25B1	11-13-50 7-----50	I. F. Wickam	1946	352	G 10	F 3	182	Dm	Na		2,500	182
26H1	11-27-50	S. C. Myers	1949	399	G 14	T 50		I			2,497	
27K1	11-28-50		1950		G 14	T N		Un	Ten	.3	2,503	e193.03
27E1	11-30-50	V. E. Moore	1925	437	16	T 75	1125	I	Na		2,500	

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data	
			Year completed	Depth (feet)	Type, diam-eter, (in.): and power	Pump type					Yield: (gpm)
7/10-2771	11-30-50		1927	424	16	T 60	I	Na	2,498		
27P1	11-30-50		1940	420		T 75	I	Na	2,517		
29B1	12-19-50	Fletcher Wiley	1944	585	16	T 100	1125	I	Bhc 1.0	2,487	201.52
29E1	12-19-50	Fletcher Wiley	1946	600	16	T 125	1360	I	Bpb 2.0	2,492	208.08
29H1	12-21-50	Sheeman Simon	1929	404	14	T I	450	I	Bpb .5	2,496	208.93
29P1	12-21-50	C. E. Steele	1946	410	G 16	T 125	I	I		2,503	
29Q1	12-21-50	C. E. Steele	1943	376	12	T 125	I	I		2,508	
30E1	12-27-50	Petan Ranch	1946	595	G 16	T 100	1210	I	Hpb 1.0	2,480	193.59
30J1	3-23-51	Petan Ranch	1921	450	14	T 60	810	I		2,487	Wp
30N1	12-27-50	Petan Ranch	1948	540	G 16	T 125	1980	I	Tap .3	2,488	211.94
30P1	12-27-50	Petan Ranch	1935	450	10	T 25	410	I		2,491	(b)
30R1	12-26-50	Petan Ranch	1920	600	14	T 40	550	I	Na	2,500	
31A1	12-27-50	Petan Ranch	1921	550	14	N N		Ds		2,500	Wp
31G1	3-23-51	Curt Newcomb			10	T 3		Dm		2,506	(b)

T. 7 N., R. 10 W. ---Continued

31M1	3-23-51	G. J. Stoddard	1930	365	12	T 40	780	I	Hpb	1.0	2,505	212.33	W, Mp
32B1	12-21-50	Milo Melzig	1948	504	G 16	T 75	1170	I	Na		2,517		
32E1	12-22-50	J. M. Schaeffer	1943	343	14	T 50		I	Na		2,515		mp
32R1	12-21-50	Milo Melzig	1945	418	16	T 60	810	I	Na		2,524		Cp
33J1	11-20-57 11-15-51 12-21-50	Alfalfa Grain & Cattle Co.	1948	415	14	N N	990	Un	Tap	1.0	2,538	268.26 250.04 241.32	
33J2	11-8-51	Fing Farms, Inc.	1951	425	14	T 60		I			2,538		L
34Q1	3-1-60	Ernest Markov	1947	310	14	N N		Un	Tc	0	2,542	291.10	W
<u>T. J. M., R. L. J.</u>													
7/11-1D1	5-16-51	L. R. Thompson	1937	354		T 40		I	Na		2,370		
1E1	5-16-51				13	N N		Un	Tc	.3	2,374	153.05	
1E2	5-16-51	J. L. Davee	1947	304	G 12	T 30		I			2,375		
1F1	4-26-51	William Copeland		260	12	T 25	360	I			2,377		
1P1	11-20-57	H. L. Gordon		1,183	14	T 100		I	Hpb	1.0	2,386	204.29	mp
1P2	11-20-57	H. L. Gordon		1,000	14	L 2		Dm	Tc	1.0	2,386	204.29	
1Q1	3-1-60 12-8-59 11-6-58 3-12-58	H. L. Gordon	1954	350	10	T 100	1080	I	Tap	1.0	2,385	179.55 180.10 181.78 179.49	

see footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsl (feet)	Water level	Other data
			Year completed	Depth (feet)	Type, diam., meter, (in.)	Pump type and power				
T. 7 N., R. 11 W.--Continued										
7/11-3E1	3-4-52 11-17-51 10-18-51	G. S. Whitson	315	12	T E	Dm	Tc 0.4	2,362	126.06 131.96 139.83	
6A1	8-9-56	R. Owens	130	8	L I	Dm	Tc 1.0	2,351	72.51 W	
6P1	10-18-51	J. Ednoff	250	4	L N	Un	Tap 1.7	2,361	33.30	
10N1	3-6-51	Becentro	169.0	12	N N	Un	Tc 0	2,394	e127.41 W	
10N2	1-5-53 7-2-52 6-2-52	Becentro	300	12	T 25	I	Tc .5	2,394	133.74 Op e175.3 134.48	
11Q1	3-4-52 11-26-51	Edward Rice	450	14	T 60	I	Bpb 0	2,404	145.38 L 152.36	
12C1	4-20-51	Delight	580	8	T 20	I		2,393		
12D1	5-16-51			12	N N	Un	Tc .3	2,392	e148.9	
12D2	5-16-51			G 14	T 40	I		2,392		
12F1	5-16-51	B. L. Lake	300	12	N N	Un	Tc 1.0	2,397	154.3	
12F2	5-16-51	B. L. Lake	450	G 14	T 50	I		2,397		
12J1	4-18-51	W. B. Carter	440	12	T 25	I		2,412		

12N1	5-16-51	J. B. Nourse	1927	385	12	T 25	I		2,406	(b)
12N2	5-16-51 11-30-45	J. B. Nourse	1907	600	8	N N	Un	Tc .4	2,405	169.24 f106.2
12N3	5-16-51	J. B. Nourse		133.0	8		Db		2,404	Wp
12N4	10-17-51	J. B. Nourse			G 12	N N	Un	TcS .6	2,406	169.91
12Q1	5-16-51	B. L. Lake	1948	450	G 14	T 75	I		2,408	
12R1	4-18-51					T 30	I		2,419	
13B1	4-18-51	H. A. Shaw			7	L W	Un	Tc .8	2,412	68.45
13H1	4-18-51	H. A. Shaw	1949	546	G 14	T 75	I	Tc 2.0	2,425	171.91
13K1	4-18-51	H. A. Shaw			12	T 15	I		2,424	158
13Q1	10-23-56	Perry Hankins	1949	570	14	T 50	I	Bhc 0	2,434	217.82 W
14N1	3- 4-52 11-17-51 10-18-51				16	T 50	I	Tc .6	2,427	158.23 Cp 177.85 181.30
16L1	11-14-51 10-18-51	B. Provozano	1924	402	10	N N	Un	Tc 0	2,407	113.54 L 113.73
17B1	11-27-51	Mert Lewis	1932	510	14	N N	Un	Na	2,396	
17N1	11-27-51	Smith Brothers	1944	618	14	T 50	I	Na	2,406	
17P1	11-14-51 10-17-51				8	L W	Un	Tc 1.2	2,406	77.63 78.05
17Q1	4- 1-52				12	T 50	I	Na	2,407	Cp

See footnotes at end of table.

W.C. number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level		
			Year completed	Depth (feet)	Type, diam., eter. (in.)	Pump type und power			Yield (gpm)	Use	Depth below lsd (feet)
7/11-19W1	10-19-54			367.5	14	N N	Un	Tc 0	2,430	182.36	Wp
19W2	10-19-54				G 14	T 50	I	Hpb .2	2,430	182.92	
19Q1	10-17-51	L. A. Harter	1928	401	13	N N	Un	Hpb .68	2,418	177.09	W
20B1	12-19-51 11-17-51		1944	635	14	N N	Un	TcW 0	2,410	152.91 165.28	
20B2	3- 4-52				12	T E	I	Tcc 0	2,412	148.84	
21P1	11-27-51	Andrew Monsello	1951	693	G 14	N N	2025 Un	Nz	2,456		L
22K1	3- 4-52 11-14-51 10-18-51				12	N N	Un	Tc 0	2,440	157.00 168.36 181.19	
24C1	5- 4-54	T. D. Kyle	1932	18.0	8		Ds		2,433		W, Wp
24F1	3-27-51	T. D. Kyle	1948	585	G 16	T 75	I		2,441		
24G1	3-27-51	J. B. Scott		250	14	L W	Dm	Tc 0	2,444	e168.40	
24G2	3-27-51	J. B. Scott	1947	502	G 12	T 30	I	Tc .3	2,446	d176.10	
24Q1	3-27-51	H. V. Kief	1940	460	15	T I	I		2,454		C
25B1	3-27-51	C. Reifsnider		465	12	T 40	I	Nz	2,462		Cp

T. 7 M. J. R. 11 W. --Continued

25C1	3-27-51	T. G. McAuley	1935	575	12	T 50	810	I	Ma	2,450	
26J1	11-26-51	M. E. Pratt	1950	462	G 12	T 40	900	I	BhcE O	2,462	(b) L
27G1	11-27-51	James Provenzano	1945	600	G 16	T 60		I	Ma	2,454	L
28A1	10-19-54				16			Un	Tc	2,445	214.00
	3-4-52										171.00
	11-14-51										184.89
	10-18-51										198.24
28E1	5-17-55	Mrs. Leshin		449.9	C 12	N N		Un	Tup	2,440	262.70 Wp
29M1	3-4-52	Cain			16	T E		I	Bpb	2,446	175.05
	11-17-51					N N		Un	Tc		186.99
32A1	11-26-51	Agnes Ross	1946	550	G 16	T 75		I		2,456	L
33A1	3-4-52				G 14	T 75		Un	Bpb	2,468	184.57
	11-17-51										185.00
33M1	10-21-54				G 20	T 75		I	lppb	2,473	232.49 Cp, V
34L1	3-4-52	Rose Leshin	1951	723	G 14	T 60		I	TcE	2,474	196.20 L
7/12-2Q1	1-23-51	Clyde Cheney	1948	200	G 10	T 15	360	I	Ma	2,342	C
	11-----50										a40.2
2Q2	3-2-51	Clyde Cheney			9	N N		Un	TcW O	2,343	42.76
	1-23-51										e62.78
2M1	1-23-51	Belle Garnire	1908	530	5	N N		Un	Tc	2,346	64.20

see footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Year completed	Type	Diam. (feet)	Depth (feet)	Pump type and power	Yield (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water	
			Tc	Bac	Te	Depth below lsd (feet)											
7/12-4P1	3-3-52 11-15-51 10-17-51		16.0	3	NN	Un	TcW	1.0	2,314						13.58 Wp 14.25 14.30		
4P2	3-3-52		19.4	4	LW	S	Tc	-1.2	2,314						10.22 Wp		
5H1	3-3-52 11-15-51 10-17-51		52.1	6	NN	Un	TcW	.7	2,316						13.52 16.44 17.13		
10-1	3-6-52 11-14-51 10-18-51	F. T. Braunat	40	14	JE	Dm	Tc	-16.0	2,342						32.83 31.73 31.92		
12D1	8-10-56	J. H. Siegler	63.0	4	NN	Un	Tc	1.3	2,350						dry W		
13F1	3-1-60	A. M. Klingele	552	6	LI	I	Bac	0	2,382						134.85 L,W		
13M1	10-18-51	W. E. Gillan	500	6	LI	Dm	Te	1.0	2,390						127.07		
15F1	5-18-55	H. Rowell			LW	Dm	Tc	.7	2,348						97.69 Wp		
15F2	10-20-54	Los Angeles County Water Works Dist.	599.7	16		Un	Tc	.5	2,355						1142.10 W,Wp		
16J1	2-1-52	H. C. Rasmussen	550	6	T 7½	I	Tc	.5	2,353						65.0		

T. 7 W. P. 12 W. --Continued

18A1	3- 5-52 11-15-51 10-17-51	E. Heyman	100	6	J I	Dm	Tc	.8	2,342	31.81 32.00 31.91	Cp
22A1	10-21-54	C. D. Mayer	255	8	T I	Dm	Tc	0	2,412	147.82	Wp
22R2	5-18-55	Schmitz Motel	390	8	T 5	Ps	Tap	.7	2,411	147.28	Wp
25A1	11-18-57			6	L I	Dm	Tc	1.5	2,455	203.09	Cp, W
27R1	10-21-54 2- 1-52	E. T. DuFrene	316	6	T N	Un	Tap HpbN	1.6 .9	2,477	205.9 185.33	
28P1	10-21-54	W. S. Babcock	407	12	T 35	I	Tap	1.5	2,447	181.89	W
29B1	3- 5-52 11-15-51	N. Zerfing	250	8	L E	Dm	Tcc	.2	2,395	105.35 110.69	Cp
29P1	10-20-54	R. E. Post	535		T E	I			2,448	(b)	Wp
32R1	12-12-51	J. Taylor		12	T 40	I	TcW	.5	2,523	222.4	
34E1	10-20-54	Robert Pelcher	555	16	T E	I			2,493	(b)	Wp
34H1	2- 1-52		124.2	12		Ds			2,501		Wp
<u>T. 7 N., R. 13 W.</u>											
7/13-11D1	5-18-55	Stillman Pond		60	N N	Un	Tcc	0	2,356	6.07	Wp
11L2	12- 5-51	Stillman Pond	332	12	T 25	I			2,355	(1)	Wp
11D3	5-18-55	Stillman Pond	200		J E	Dm			2,357	(1)	Wp
11H1	3- 4-52 12- 5-51	J. R. Hunt	250	6	N N	Un	TcW	.2	2,354	11.89 15.21	Wp

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Year completed	Depth (feet)	Type, diam-eter, (in.)	Pump type and power				
<u>T. 7 N., R. 13 W.--Continued</u>										
7/13-27W1	5-18-55	A. F. Godde			T 30	500	I	2,417		
27R1	12-12-51	Stephan Marvin	1951	555	G 12	T 75	I	TcN .5	2,414	195.2
352L	5-18-55	George Lane			14	T 50	I	2,443		wp
<u>T. 8 N., R. 8 W.</u>										
8/8-18E1	3- 8-51	U.S. Air Force		52.1	D 60	N N	Un	Tap 3.2	2,850	48.91
<u>T. 8 N., R. 9 W.</u>										
8/9- 2M1	10-22-51	U.S. Air Force		113.0			Ds		2,400	wp
2Q1	1-23-51	U.S. Air Force	1920	245			Ds		2,475	wp
4G1	10-19-51	U.S. Air Force					Ds		2,297	wp
4H1L	10-19-51	U.S. Air Force			6		Ds		2,298	wp
4L1	11- 8-50	U.S. Air Force		10.0	6		Ds		2,291	wp
4M1	10- 4-51	U.S. Air Force		6.0			Ds		2,294	wp

4N2	10- 4-51 11- 8-50	U.S. Air Force	6	N N	Ds Un	Tc	2.0	2,293	14.52	Wp
4N3	10- 4-51	U.S. Air Force	8		Ds			2,296		Wp
4N4	10- 4-51	U.S. Air Force	6	D	Ds			2,296		
4N5	3-10-59 4-23-53 10- 4-51 11- 8-50	U.S. Air Force	8	N N	Ds Un	Tc	.5	2,295	17.63 16.56 15.84	C
4P1	5-17-50	U.S. Air Force		L W	Dm	TcW	.5	2,305.1	25.39	C, Cp, W, Wp
4P2	11- 6-58 4-13-53	U.S. Air Force	6	J t	Ds Dm	TcE	1.4	2,310	dry 33.99	C, Cp
6D1	3- 4-60 4- 9-59 3-12-59	U.S. Air Force	8	T E	Bs	Tap	1.0	2,293	29.29 27.02 26.90	C, Cp, L
6D2	12-11-51	U.S. Air Force	8	N N	Un			2,295		Wp
6F1	11- 6-52	U.S. Air Force	12	T N	Un	Tc	1.0	2,293.5	11.75	W, Wp
6F2	11- 8-50	U.S. Air Force	12		Ds			2,294.6		Wp
6F3	10-22-51	U.S. Air Force	12		Ds			2,295.5		Wp
6H1	5- 4-54	U.S. Air Force	5		Ds			2,301		W, Wp
6R1	3-11-59	U.S. Air Force	6		Ds			2,298		C, Wp
6R2	10-22-51	U.S. Air Force			Ds			2,298		Wp
8B1	10-17-56	U.S. Air Force	14		Ds			2,300		W

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type, diam-eter, (in.):	Pump type and power			Yield: (gpm):	Use

T. 8 N., R. 9 W.--Continued

S/9-10B1	3-11-59	U.S. Air Force	1934	77.6	6	S 1	Tap	2,417	Cp	dl148.7
	4-10-51		200	143.9						
	3-1-51			143.8						
10E2	3-11-59	U.S. Air Force		14.0	6			2,410		
18B1	3-21-60	U.S. Air Force		6.4	6			2,321	Cp	
E 36R1	2-2-51		1931	347	8	T 5	Na	3,061		

T. 8 N., R. 10 W.

8/10-1F1	4-9-59	U.S. Air Force	1948	150	G 6	N N	Te	2,303	C, Cp, L	17.60
	3-12-59			17.58						
	11-6-52			14.95						
	12-11-51				G 10	T 15	Bpb	.4		14.80
2F1	11-9-50	U.S. Air Force	1950	150	G 10	7 ?		2,303	C, Cp, L	
2M1	3-11-59	U.S. Air Force			6			2,308	C, W	
2M2	12-17-57	U.S. Air Force	1957	400	RG 10	T 25	BhcN	- .35	L	43.58
2P1	1-17-52	U.S. Air Force		234.9	10	N N	Tap	-4.0	W, Wp	25.09

3Q1	3-21-60 11-6-52 1-17-51	U.S. Air Force	118.5	6	NN T 1½	Un Dm	Bhc Tap	.93 1.65	2,310	35.77 27.48 22.22
3Q2	3-21-60 3-4-52 11-16-51 1-18-51	U.S. Air Force	23.2	6	NN	Un	TcN	2.8	2,310	20.48 20.62 19.80
4G1	12-28-50	U.S. Air Force	91.4	6		Un	Tc	.7	2,300	32.95 W
4H1	3-9-60 12-28-50	U.S. Air Force U.S. Air Force	225	6	NN	Un	Tc	.3	2,303	58.00 34.74
6E1	5-2-58 1-19-51	U.S. Air Force	40.0	12	T 7½	Ds Dc			2,291	
8J1	3-21-60 11-6-52 11-16-51	U.S. Air Force	565.5 648	G 12	NN T 25	Un I	Tc	2.0	2,315	77.49 L 70.15 63.83
8M1	8-10-56	U.S. Air Force	740	12	NN	Un	Tap	1.75	2,316	90.16 C, Cp, r
8M2	8-10-56	U.S. Air Force	240	10	NN	Un	Tap	2.47	2,316	51.33 C, W
8N1	3-21-60 1-17-51 3-5-47 2-5-47	U.S. Air Force	217.5 218	12	NN J ¼	Un Dm	Tc Na Tc	0 .5	2,319	57.30 r28.4 r22.9
8P2	3-21-60 1-17-51	U.S. Air Force	56.5 246	G 14	T 20	Ds I			2,320	L
8S3	11-28-56	U.S. Air Force	230	G 14	NN	Un	Tap	1.68	2,318	43.54 W, Wp
8U4	1-17-51	U.S. Air Force		D 60		Ds			2,319	Wp

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Year completed	Yield (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Depth (feet)	Type, diam- eter, (in.)	Pump type and power	Depth below lsd (feet)						Other data	
T. 8 N., R. 10 W.--Continued													
8/10-240	1-17-51	U.S. Air Force	28.0	8				Ds	Tc	2,317		mp	
9P1	1-18-51	U.S. Air Force	250	G 12	N N	1950		Un	Tc	.5	2,321	32.84 L, W, Hp	
10B1	3-21-60	U.S. Air Force			N N			Un	Tc	0	2,314	31.97	
10F1	3-21-60 1-18-51	U.S. Air Force	322	14	T 30	1922	900	Ds I	Hpb	0	2,313	32.15 L	
10F2	3-21-60	U.S. Air Force	36.0	10				Ds			2,313		
10F3	3-21-60 1-18-51	U.S. Air Force	37.5 200	8	N N			Ds Un	Tc W	0	2,313	30.84	
10G1	3-21-60 5-23-51	U.S. Air Force	73.0 580	12	N N T 25	1921	670	Un I	Tc Na	0	2,316	67.45 L	
10M1	3-21-60 1-18-51	U.S. Air Force	40.0 520	4	J 1			Ds Dm	Bpb	.9	2,320	32.10	
10N1	3-21-60 11- 6-52 3- 4-52 11-16-51	U.S. Air Force	500	5	T 10			Ds I	Tcc	0	2,323	37.74 35.14 35.39	

10N2	3-21-60 1-18-51	U.S. Air Force	500	5	T 5	Ds I	2,323	
11D1	10-23-56 5-23-51	U.S. Air Force	150	G 8	T 1	Ds Dn	2,312	Cp
13A1	3-21-60	U.S. Air Force	41.2	6	NN	Ds	2,324	W
14E1	10-23-56	U.S. Air Force	1911	6	LN	Un	2,333	48.30 W
14E2	3-21-60	U.S. Air Force	250	G 12	NN	Un	2,333	64.20 W
15N1	3-21-60 11- 6-52 11-16-51 5-22-51	U.S. Air Force	27.1 240	G 12	T I	Ds I	2,337	Cp 52.13 49.96 48.92
15P1	3-21-60 5-22-51	U.S. Air Force	2.9	6	L 3/4	Ds Dn	2,337	
17J1	3-21-60 5-24-51	U.S. Air Force	111.0 206	G 12	NN T 20	Un I	2,327	60.30
17J2	3-21-60 5-24-51	U.S. Air Force	124.0 206	G 12	NN L W	Un Dn	2,327	61.40 Cp, L
19A1	3-22-60 5-24-51	U.S. Air Force	156.5 200	PG 14	NN NN	Un Un	2,318	62.23
18H1	3-22-60 11- 6-52 5-24-51	U.S. Air Force	180.3 216	G 12	NN P M	Un Un	2,322	66.13 54.60 52.03
18M1	3-22-60 5-23-51	U.S. Air Force	72.0 295	12	NN	Ds Un	2,322	L 63.94

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UGS number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Year completed	Depth (feet)	Type, diam., eter, (in.)	Pump and power				

T. 8 N., R. 10 W.--Continued

8/10-18N1	3-22-60 3-29-49	U.S. Air Force	1919	275	9			540	Ds	Bpb .5	2,324	f41.7	L
18N2	3-22-60 5-23-51	U.S. Air Force		155.3	14	N N T I			Un I	Tap 1.72 Hpb 1.5	2,324	76.93 74.54	
18N3	3-22-60 5-23-51	U.S. Air Force				L 3/4			Ds Dn	Na	2,323		
18P1	3-22-60 5-24-51	U.S. Air Force		73.3	12	L			Ds Dn	Tec .7	2,327	e81.63	
18P2	3-22-60 5-24-51	U.S. Air Force		77.0	G 14	T 15			Ds I		2,327		
18P3	3-22-60 5-24-51	U.S. Air Force		67.8	14				Ds	TeW 1.2	2,327	e70.52	
18Q1	3-22-60	U.S. Air Force			10				Ds		2,327		W
19M1	11-6-52 11-16-51 3-22-51				G 14	T 25			I	Hpb .5 Tce .4	2,327	60.96 77.54 83.29	
19K1	5-24-51	J. C. Major	1930	180	12	N N			Un	Tce 0	2,338	e112.47	

19K2	5-24-51	J. C. Major	1945	232	12	T 25	360	I		2,337	(a)
19M1	5-25-51	G. L. Prothro	1946	280	G 14	NN		Un	Tc	2,337	e116.56
19M2	5-25-51	G. L. Prothro	1945	783	G 14	T 20		I		2,337	(a) C, Cp, L
19M3	10-23-56	G. L. Prothro		282.4	14			Un	Tc	2,337	131.72 W
19M4	5-25-51	G. L. Prothro		196.4	16	NN		Un	Tc	2,336	e120.72 W
19P1	10-24-51	J. L. Longwell	1918	203	6			Ds		2,340	
19P2	10-23-56	G. L. Prothro			G 12	T 40		Ps	Tc	2,341	105.70 W
19Q1	3-11-50	G. L. Prothro		690	12	NN		Un	Tc	2,342	91.83 W, Wp
19I1	5-24-51	Lester Knight		200	11	T E		I	TcE	2,344	109.5
20A1	5-24-51	H. C. Simons		262	14	T 15		I		2,337	(a)
20B1	5-24-51	A. E. Qualls		140	6	J 3/4		Dm	TcS	2,336	57.91
20G1	5-24-51	George Herle	1949	250	G 14	T 15		I	Tc	2,341	73.93
20G2	5-24-51	George Herle			12	NN		Un	TcE	2,339	66.49
20H1	11-6-52 3-4-52 11-17-51	C. O. Houghton	1925	200	14	T 15	400	I	Hpb	2,342	69.47 62.72 62.76
20M1	5-21-51	Parsons Properties				T 20		Ps	Ma	2,346	
22H1	5-22-51	B. R. Abram	1917	250	L 1 1/2			Dm	Ma	2,343	

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of top (feet)	Water level	Other data	
			Year completed	Depth (feet)	Type, diam. (feet)	Pump type and power					Yield (gpm)
2202	11-17-51 5-22-51	Joseph CasaGrande	1943	100	G 6	J 3/4	Tc	.3	2,355	56.67 44.35	
2301	5-22-51	William Falls		500	10	T 15	I		2,350		
2301	1-24-51	Frey		250	10	T 20	I	Hpb .5	2,350	53.07	Cp, W
2302	5-4-51	Frey	1954	250	G 12	T E	I	Hpb .5	2,350	51.95	
2301	5-5-52	J. B. Huckaby	1949	36.7	10	T I	Dn	TcW .2	2,356	62.01	Cp
2401	3-22-51	J. B. Dickensen			8	L V	Dn	Na	2,363		Cp
2401	3-22-51	F. H. Leffingwell		200	8	T I	Dn	Tc 0	2,375	83.43	
2601	4-25-51	Claude Murphy	1929	360	12	T 20	I	Na	2,383	75	C, Cp
2401	10-3-51	Peglesoto	1945	283	G 12	T 20	I		2,359		Cp, L
2501	1-23-51	Peglesoto	1932	215.0	16	N N	Un	Tc 0	2,353	66.75	W
2032	10-3-51	Peglesoto			6	N N	Un	Tc 4.0	2,353	104.60	
2301	5-21-51	Daniel Brown	1945	200	G 12	T E	I		2,353		
2031	5-21-51	E. T. Fillingier	1944	225		T 25	I		2,362		
2901	5-21-51	Rathman school		150	G 6	T 15	Dn		2,340		Wp

T. O. M., R. 10 W. --Continued

2900	3- 4-52 11-15-51		G 14	T 40	I	Tcc	.7	2,358	94.94 93.44
2901	4-27-51		G 16	T 50	I			2,364	(d)
2902	12- 8-59	Triple F Ranch	R 12	T 50	I	Tc	1.0	2,364	137.20
2901	3-12-59	Sorenson Bros.	16	N N	Un	Tc	0	2,367	150.72
3001	5-17-51	J. T. Frothro	G 12	T 25	I			2,347	(d) C
3001	5-17-51	N. Replogle	G 14	N N	Un			2,348	
3002	5-17-51	N. Replogle	G 12	T 25	I			2,347	(d)
3001	5-17-51			L W	Dm	Tcc	.2	2,350	91.60
3001	5-17-51	A. Corradi	10	T 5	Dm	Dpb	.2	2,350	131.34
3002	5-17-51	A. Corradi	6	L $\frac{1}{2}$	Dm	Dpb	1.6	2,348	86.3
3001	5-17-51	John Firsick	16	T 60	I	TcE	2.1	2,353	157.55
3001	4-27-51	John Firsick	G 14	T 50	I			2,358	
3002	3- 4-52 11-16-51	John Firsick	G	T 40	I	Ehc	.9	2,357	98.06 97.74
3001	4-27-51	John Firsick	G 16	T 125	I	Ma		2,361	C, L
3101	11-16-51	F. Berta	12	T 60	I	Ehc	0	2,367	126.74
3101	4-26-51	F. Berta	14	T 35	Un	Ma		2,368	Cp
3102	4-26-51	Glen Fuller	12	N N	Un	Tc	.7	2,368	89.11
3101	4-27-51	Howard Jones	10	T 25	I			2,368	(c)

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level Depth below lsd (feet)	Other data
			Year completed	Depth (feet)	Type, diam., eter. (in.), power	Pump type and use				
3201	4-1-52	Sorenson Bros.	1952	14	T 75	I	2,373			
3201	4-27-51	Homer Brannan	1945	14	T 40	I	2,368			
3201	4-27-51	Sorenson Bros.	1947	300	G 9 T 35	I	2,373			
3202	4-27-51	Sorenson Bros.		485	14 N N	Un	2,373	e131.6		
3201	4-27-51	Sorenson Bros.	1942	300	10 T 20	I	2,377	(d)		
3202	3-4-52 4-27-51	Sorenson Bros.	1922	602	14 N N	Un	2,376	104.17 e133.76	L	
3201	5-21-51	John Deruth	1936	97	8 L 3/4	Dm	2,379	84.63	Wp	
3201	10-10-54 4-25-51	Baker		350	12	Ds Un	2,382	124.86		
3202	4-27-51	A. F. Batz & Sons	1947	343	G 12 T 25	I	2,383	137.25	W	
8/11-161	5-1-58	U.S. Air Force		49.5	8 N N	Un	2,300	38.19	W	
4A1	4-12-51 3-26-47	U.S. Air Force				Ds	2,278	f/ flowing		

T. B. M., J. 10 W. -- Continued

T. B. M., R. 11 W.

6F1	5- 1-51	U.S. Air Force						Ds	2,276	
7M1	5- 2-51	U.S. Air Force	169.0	N N			Un	Tap 0	2,286	11.29 W
8F1	5- 1-51	U.S. Air Force	283.1	2 N N			Un	Tc .6	2,283	7.37 W
8P1	9- 3-52	U.S. Air Force	27.0	2			Ds		2,291	W, Wp
8Q1	5- 2-50	U.S. Air Force	6.0	6			Ds		2,291	W
8Q2	5- 2-50	U.S. Air Force	2.4	6			Ds		2,291	W
9D1	7-30-52	U.S. Air Force	1952 5,576	N			Ds		2,276	L
10A1	5- 3-54	U.S. Air Force	612	8			Ds		2,289	Cp, L, W
10M1	2-28-51	U.S. Air Force		6 N N			Un	Tcc .2	2,301	34.85 W, Wp
12H1	5- 7-50 1-16-51	U.S. Air Force	1928 95.3 600	14 N N L L			Un Dm	Tc -.1 Tcc 0	2,308	47.32 35.99
12R1	1-19-51	U.S. Air Force	1920 200	6 J $\frac{1}{2}$			Dm	Tc -19.8	2,312	41.32 W
12R2	5- 2-50 5- 4-54	U.S. Air Force	1948 84.8 140	6 10 N N T 15			Un I	Tap .75 Tc .5	2,312	53.49 Cp 48.24
13C1	5- 2-50 1-18-51	U.S. Air Force	1945 19.5 63	8 L W			Ds Dm	Na	2,311	
13F1	5- 2-50 1-18-51	U.S. Air Force	4.0 60	6 L W			Ds Dm	Ma	2,313	
13F2	3- 4-60 3-12-59 5- 2-50	U.S. Air Force	156.8	R 10 N N			Un	Tap .5	2,313	63.80 66.88 65.79

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data	
			Year completed	Depth (feet)	Type, diam., cter. (in.)	Pump type and power					Yield (gpm)
0/11-1441	5-2-51 3-5-52 11-17-51 1-23-51	U.S. Air Force		61.0	6				2,311	56.12 58.23 56.61	
14N1	3-22-60	U.S. Air Force		77.0	5	NN			1.0	2,312	69.65 W
14P1	3-22-60 8-23-51	U.S. Air Force	1949	162.5 216	14	NN T 30			1.0	2,316	95.29 (d)
14Q1	3-22-60	U.S. Air Force	1925	200	12	NN			0	2,317	101.96
14R1	5-3-60 6-23-51	U.S. Air Force	1949	163.5 186	12	NN T 25			1.0 .3	2,317	93.11 (d)
14R2	9-13-56	U.S. Air Force	1952	205	14	NN			.7	2,317	94.83 W
15S1	5-3-51	U.S. Air Force	1951		14	NN			Na	2,297	
15E2	5-2-58	U.S. Air Force	1950	189.6	10	NN			.4	2,293	23.23 W
15A1	5-2-53	U.S. Air Force	1952	179.2	12	NN	200		1.0	2,307	67.20 W
15R1	6-23-51	U.S. Air Force	1945	520	12	T 25	130		3.5	2,309	76.31 L,W
17A1	3-11-50	U.S. Air Force	1943	30	3	NN			0	2,295	15.90 W

T. J. R. 11 W.--Continued

181L	5- 2-58	U.S. Air Force	195.3	7	HN	Un	TcM	0	2,297	3.56	C, W
184L	5- 2-51	U.S. Air Force	268.2	7	HN	Un	Tc	0	2,298	23.58	W
201L	5- 1-51	U.S. Air Force	25.1	12		De			2,315		Wp
204L	5- 3-51	U.S. Air Force	180.3	6		Un	Tap	-3.8	2,316	62.94	W
21Q1	5- 3-51	B. McClish	1948	14	T 25	I				(d)	
21R1	11- 6-52 3- 4-52 11-16-51 5- 3-51	E. E. Rathbone	1931	13	HN	Un	TcW	0	2,318	94.36 87.58 90.49 90.66	
21R2	5- 3-51	E. E. Rathbone	1948	14	T 40	I	BpBE	0	2,318	95.98	C
22E1	8-23-51	Harold Anderson	1938	12	HN	Un	TcN	.5	2,313	85.83	
22E2	8-23-51	Harold Anderson	1932			De			2,313		
22E3	1-30-52	Harold Anderson	1952	14	T I	I	Na		2,312		Cp, L
22G1	8-23-51	R. B. Whaley	1949	14	T 25	I	Na		2,314		
22G2	8-23-51	R. B. Whaley			L W	Dm	Na		2,313		
22G3	11- 6-52 3- 4-52 11-17-51 8-23-51	R. B. Whaley	1942	12	HN	Un	TcS	0	2,316	91.40 84.42 87.34 88.77	
22H1	8-23-51	H. A. McCaiger	1945	10	T 20	I	TcN	0	2,317	94.58	
22L1	5- 3-51			14	T 50	I	Na		2,316		

see footnotes at end of table.

Well number	Date of observation (19)	Owner or user	Well data				Measuring point (feet)	Altitude of 1st (feet)	Water level		Other data
			Year com- pleted	Depth (feet)	Type: diam- eter: (in.)	Pump type and power			Yield: (gpm)	Use	
I. H., Co. 11 W. -- Continued											
3/11-22M	8-23-51	G. L. Prothro	172.5	8	N N	Un	TcE 0	2,321	99.89	Wp	
22M2	8-23-51	G. L. Prothro		8		Ds		2,321		Wp	
22M3	2-28-51	Harold Anderson	144.2	12	N W	Un	Tc .3	2,318	83.65	W, Wp	
22M4	5-3-54 5-6-52 5-11-44	Harold Anderson	1943	12	T 15	I	TcW 1.0 Tc 0	2,320	103.73 92.57 155.1		
22P1	8-23-51	Harold Anderson	1951	G 14	T E	I	Na	2,317		Cp	
22P2	8-23-51			G 12	T 30	I		2,323	(d)		
22M1	8-23-51	P. H. Rohlk	1950	14	T 30	I	Na	2,318	(d)		
22M2	8-23-51	P. H. Rohlk	1948	G 14	T 35	I		2,323	(d)		
22M1	8-23-51	C. M. Helton	1951	G 12	T 20	I		2,321	(d)		
22M2	8-23-51	C. M. Helton	1949	G 14	T 40	I	Na	2,324	(d)		
23M1	8-24-51	J. A. Herle		12	N N	Un	Na	2,321			
23M2	11-6-52 7-3-52 3-4-52 11-14-51	J. A. Herle	1950	14	T 50	I	Tc 1.0	2,321	93.81 1196.9 86.74 88.76	C, Cp	

Well number	Date of installation	Owner or user	Well data				Year completed	Measuring point	Altitude of lsd (feet)	Water level	Other data
			Depth (feet)	Type, diam., eter. (in.)	Pump type and power	Yield (gpm)					
24P1	8-21-51	H. C. Mellon	255	G 14	T 30	1943	Un	2,334	130.16		
24P2	8-21-51	H. C. Mellon	255	G 14	T 30	1943	I	2,333	(d)		
24P3	8-21-51	H. C. Mellon	255	G 14	T 30	1943	I	2,334	(d)		
24P4	8-21-51	H. C. Mellon	255	G 14	T 30	1943	Un	2,334	e119.18		
24P5	8-21-51	H. C. Mellon	255	G 14	T 30	1943	Un	2,333	e121.51		
24R1	5-25-51	W. E. McCaslin	280	G 12	T 40	1946	Un	2,334	62.53	L	
24R2	5-25-51	W. E. McCaslin	270	G 12	T E	1946	Un	2,337	122.03		
24R3	11-7-51	W. E. McCaslin	302	G 12	T 50	1946	Un	2,337	100.25		
25A1	5-17-51			G 12	T 40		I	2,342	100.16		
									103.86		
									(d)		
									124.86		
									2,337		
									2,342	(d)	

T. O. N., P. 11 W. --Continued

Well number	Date of observation	Owner or user	Well data				Year completed	Depth (feet)	Type: diam-eter: (in.)	Pump type and power	Yield: (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Na	Depth below lsd (feet)												
26A/11-26A2	9-21-51	John Firsick	208	G 12	T 25	1943	208		T 25		I	Na	2,336			
26B3	9-19-51							12	T 40		I	Tc	2,339	169		
26J1	9-20-51	Firsick Bros.	1,070	16	M N	1929	1,070				Un	Tc	2,344	115.40		
26J2	9-20-51	Firsick Bros.		14	T 50	1951					I	Hpb	2,344	(d)		
26J3	9-20-51	Firsick Bros.	270	10	M N	1927	270				Un	Tcc	2,342	148.94		
26L1	9-19-51	Clyde Manning		12	T 25						I	Na	2,339			
26L2	4-14-53 3-4-52 11-17-51 9-19-51	Clyde Manning	156.1	12	M N		156.1				Un	Tc	2,339	dry 117.57 131.01 132.35		
26P1	9-19-51	O. L. Neens	300	12	T 30	1946	300			225	I	Na	2,338			
26P2	9-19-51	Robert Jones	1,200	14	T 50	1948	1,200				I	Na	2,343			
26Q1	9-19-51	Robert Jones	300	16	T 50		300				I		2,343			
26Q2	9-20-51	Robert Jones	303	G 12	T 30	1946	303				I		2,346	(d)		
26R1	9-20-51	Robert Jones	231	G 12	S E	1946	231				Dm		2,346			
27A1	9-20-51	Emilio Cabarga	240	G 14	T 25		240				I		2,329	(d)		

T. J. N., R. 11 W.--Continued

2701	3-4-52 11-17-51			14	T 50	I	TeW	1.0	2,327	103.55 119.24
2702	9-20-51			14	T 50	I			2,332	(a)
2703	9-21-51	E. C. Bolander	1949	290	T 25	I	Te	.5	2,337	166.2
2704	9-21-51	E. C. Bolander		265	W N	Un	TeW	.4	2,335	140.60
2705	9-21-51	E. C. Bolander	1942	265	W N	Un	Ma		2,337	
2706	9-21-51	E. C. Bolander	1949	265	T 20	I	Ma		2,337	
2707	9-20-51			14	T 25	I			2,332	(a)
2708	9-20-51			12	W N	Un	TeE	.3	2,334	146.66
2709	9-20-51				T I	I	HpB	1.4	2,334	146.69
2710	9-20-51			12	T 20	I			2,333	(a)
2711	9-20-51				T 20	I	Ma		2,336	
2712	9-20-51				T 25	I	Ma		2,338	
2713	9-21-51	Heerst estate		G 14	S E	I	TeC	1.0	2,339	166.02 Cp
2714	9-21-51	J. P. Atkins	1947	200	T 30	I	Enc	0	2,341	166.06 L, W
2715	3-4-60 9-21-51	Robert Wilson		12	W N	Un	TeW	1.0	2,341	156.64 160.4
2716	5-4-51	J. J. Smith	260	G 14	T 40	I			2,332	(a)
2717	5-4-51	J. J. Smith	1937	264	W N	Un	TeW	1.0	2,332	e106.57

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of top (feet)	Water level		Other data
			Year completed	Depth (feet)	Type, diam., liner, ster., (in.)	Pump type and power			Yield (gpm)	Use	
T. B. J. A. 11 7.--Continued											
8/11-28P1	5- 3-51	T. H. Brislin	1914	10		10	DS	2,333			L
28Q1	3- 4-52									100.77	
	11-18-51									109.26	
	5- 4-51									104.58	
28R1	5- 4-51	George Rush		14	L 3/4		Un	2,336		119.37	
28E2	3- 4-52									102.51	
	11-17-51									126.94	
	5- 4-51									121.44	
30G1	4-14-53	Oliver Miller		8	N N		Un	2,321		38.67	
	3- 4-52									36.20	
	11-16-51									35.86	
	5- 1-51									34.84	
30G2	3- 1-60	Oliver Miller	1950	200	G 10	N N	Un	2,321		49.69	
	12- 2-59									49.50	
	3- 9-59									48.56	
	5- 1-51									35.25	
30R1	3-11-58			20.0	10	DS	2,330			W, np	
32Z1	3- 4-52	E. H. Bohannon	1946	200	14	T I	Dm	2,340		61.71	
	11-16-51									61.88	
	5- 4-51									59.88	

32:11	5- 4-51	H. A. Putnam	250	12	J 2	Ln	2,347	(d)	Cp
33C1	3- 4-52	H. E. Cockburn	1927	12	T 30	I	2,337	90.64	
33F1	5- 4-51	Royle		G 12	T 30	I	2,343	114.85	
33H1	5- 4-51	Lloyd Mills	1946	G 14	T 40	I	2,342	129.10	
33J1	5- 4-51			12	T 20	I	2,347		
33J2	3- 4-52 11-17-51	Lloyd Mills	1912	12	T 20	I	2,343	106.45 121.20	
33J3	3- 6-52	C. S. Cox	1952	G 12	T E	I	2,347	112.51	
33L1	5- 4-51			G 14	T 40	I	2,352	114.68	
33K1	5- 4-51 3- 2-45 12- 8-43			14	T 25	I	2,353	126.33 163.5 165.7	Cp
34A1	9-21-51	Stewart	1951	G	T E	I	2,344	173.86	
34B1	9-21-51	Budgley & Evans	1931		T 25	I	2,343		
34C1	9-21-51			12	T 30	I	2,342	(d)	
34D1	9-21-51	Hubbard	1924	10	L 3/4	Dm	2,341		
34D2	9-21-51	J. B. Young		12	L 1/2	Dm	2,340	145.8	W
34D3	9-21-51	J. B. Young		12	T E	I	2,339	145.67	
34E1	9-21-51	E. A. Hubbard	1925	10	T E	I	2,346	(d)	
34F1	9-21-51				T 25	I	2,347		

See footnotes at end of table.

Well No.	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type; diam.; eter; (in.); Pump type and power	Yield: (cpm)			Use	Depth below lsd (feet)
34/11-34/1	9-21-51	Thomas Sirc		12	T 40	I	2,347	(a)		
34/11	9-21-51	Badgley & Evans	1943	300	14 T 30	I	2,347	179		
34/11	9-21-51	Badgley & Evans	1947	315	G 14 T 50	I	2,351			
34/11	5-4-51	Lloyd Mills		285	10 T 20	I	2,349	134.13		
34/11	9-21-51	E. A. Hubbard	1925	301	10 T E	I	2,353		L	
34/11	9-21-51	R. S. Kirkpatrick	1943	365	14 T 50	I	2,354	(d)		
34/11	9-21-51	H. L. Gordon			14 T 60	I	2,356	(d)		
34/11	9-21-51		1925	301	12 N N	Un	2,358	(d)		
34/12	11-17-51				T 50	I	2,358	147.71	W	
35/11	9-20-51				12 T 30	I	2,346			
35/11	3-1-52 11-17-51	F. Melson & Co.		269.2	12 N N	Un	2,353	132.61 137.53		
35/11	3-4-52 11-17-51 9-20-51	Bailey Bros.		770	12 N N	Un	2,353	94.02 125.52 180.67		
35/11	9-20-51	Bailey Bros.	1945	298	G 16 T 50	I	2,356			

T. O. M., T. 11 W.--Continued

35J1	11- 6-52 3-11-52	Bailey Bros.	1951	1,536	16	S 150	I	Hpb	.5	2,361	169.81 4273.1	C, Cp, L
35J2	9-20-51	Bailey Bros.	1946	299	16	T 60	I	Tap	2.7	2,361	182.75	
35L1	9-20-51	F. Nelson & Co.		354	G 14	T 75	I			2,357	(a)	
35L1	9-20-51	B. C. Grey		300	14	T 40	I			2,356	(a)	
35P1	9-20-51	F. Nelson & Co.		290	G 16	T 60	I			2,362		
35Q1	9-20-51				G 14	T 40	I			2,362		
35R1	9-20-51	B. L. Cissell	1944	304	G 12	T 30	I			2,365		
36B1	4-26-51				11	N N	Un	Tc	1.2	2,357	144.11	
36B2	4-26-51	Mazzullo & Thiessen	1947	300	G 14	T 60	I			2,350	(a)	
36F1	4-26-51	D. H. Balzer			G 14	T 40	I			2,350		
36G1	4-26-51	D. H. Balzer	1931	144	12	T 30	I			2,362	(a)	
36C2	3- 4-52 4-22-51				14	N N	Un	Tc	0	2,363	115.90 e177.44	
36M1	4-26-51	Mazzullo & Thiessen	1925	290	12	T 25	I			2,363	(b)	
36M2	11-17-51	Mazzullo & Thiessen	1945	1,050	C 12	T 50	I	Tc	1.0	2,364	127.50	C, L
36N1	5- 3-54 11-16-51 5-16-51	D. T. Muller		273.2	10	N N	Un	Tc	0	2,367	e160.55 135.54 144.96	
36R2	1-30-52	D. T. Muller	1947	250.0	G 14	T 40	Un	Tc	.5	2,360	124.29	W
36N3	5-16-51	Nicolas		350	12	L 1	Da	Tcc	.0	2,363	142.54	

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type, diam., cter. (in.)	Pump type and power			Yield (gpm)	Use

T. 1 N., N. 11 W.--Continued

3/11-304	7-3-52	D. T. Miller	1951	330	14	T 40	I	Tc	1.0	2,367	2209.3	Op
3621	4-26-51	D. N. Balzer		290	14	T 30	I	Bpb	1.3	2,365	146.36	
3621	4-26-51	D. N. Balzer	1945	230	12	T 40	I			2,367	(d)	

T. 3 N., R. 12 W.

5/12-131	3-23-60	U.S. Air Force		107.5	7	N N	Un	Tc	0	2,276	11.20	
	11-4-52										7.30	
	5-2-51											flowing/
	3-26-47											flowing/
161	3-23-60	U.S. Air Force			6	N N	Un	Tc	1.1	2,276	10.04	
	11-4-52										6.38	
	5-2-51											flowing/
	3-26-47			102.4								flowing/
231	3-23-60	U.S. Air Force		232.2	6	N N	Un	Tf	2.6	2,276	10.75	W
232	3-23-60	U.S. Air Force		260	6	N N	Un	Tc	0	2,276	10.80	W
201	3-23-60	U.S. Air Force		108.5	6	N N	Un	Tc	0	2,294	25.75	
	11-5-52										22.95	
	5-16-51			260							13.53	

202	3-23-60 11-5-52 5-16-51	U.S. Air Force	22.1	6	MM CI	Un	Tc 0	2,289	21.54 16.32 6.58
201	3-23-60 5-16-51	U.S. Air Force	79.0 260	6	MM	Un Dc	Tc 1.0 La 0	2,281	13.56 flowing
201	3-23-60 5-16-51	U.S. Air Force	19.1 300	8	MM T 15	Un Dc	Tap .2	2,288	18.5
201	3-8-57 5-16-51	U.S. Air Force	260	7	MM MM	Un Dc	Tc .52 Tcc 0	2,293	9.17 C, Cp, M flowing
401	4-26-51 1-7-43 10-6-29	S. Caplin	500	8	LW	Un	Ma Tcc 0	2,309	fb g/ flowing
401	3-9-58 4-19-51			14	MM	Ds Un	Tc 0	2,315	26.30
401	11-4-58		45.0	6		Ds		2,307	W, WP
401	3-9-59 4-19-51		39.4	7	MM	Ds Un	Tc .5	2,314	21.20
501	4-17-51			14	T 25	Dc	Tc .3	2,329	41.70
501	4-19-51			G 10	T 10	I	Ma	2,331	
601	4-20-51	Wagas Ranch	300	15	T 20	Dc	Bpb -.3	2,338	49.89 Cp
602	4-20-51	Wagas Ranch		8	T 10	Dc	Ma	2,338	
801	4-19-51	J. Ellis		8		Ds		2,320	W, WP
1001	1-19-51 11-7-45	M. C. Parr	200	12	J 1/2	Dn	Ma Tcc 0	2,333	123.2

see footnotes at end of table.

Well number	Date of installation	Owner or user	Well data				Year completed	Type, diam., depth (feet)	Pump type and (in.) power	Yield (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Type	diam.	depth (feet)	power								Level	Depth below lsd (feet)
8/12-432	1-19-51	M. C. Parr	600	6	T 15	495	I	Na				2,333			
10P1	6-29-51 3-5-51 1-19-51	L. R. Chiles	250	12	L W		Dn	Ls	0			2,326		c32.97 28.43 20.48	
10V1	3-23-60	U.S. Air Force	91.0	6	N N		Un	Tap	1.0			2,285		13.67	
10W1	11-4-52 5-18-51 3-25-47			6	N N		Un	Tc	0			2,302		25.03 12.20 12.0	
10X1	3-23-60 5-18-51	U.S. Air Force	1950	205	G 6	J 3/4	Ds Dn	Ehc	.1			2,295		4.14	
11B1	3-23-60 5-16-51	U.S. Air Force		10	N H T 2		Un Dc	Tc Epb	0 0			2,289		19.60 Cp 5.64	
11C1	10-18-56 11-4-52 3-5-52	U.S. Air Force		6	N N		Ds Dc	Tc	1.0	4		2,285		20.23 flowing	
11D1	10-18-56	U.S. Air Force		6.0	6		Ds					2,294		11	
11E1	10-18-56 5-13-51	U.S. Air Force		6.0		T 3	Ds Dc					2,283		flowing	
11F1	12-3-59	U.S. Air Force	1952	38.1	3	N N	Un	Tc	0			2,282		10.15 W	

T. B. M., R. 12 W. --Continued

11F2	3-3-57	U.S. Air Force	1952	437	G 10	NN	Un	Tap	1.13	2,202	23.54	W
12M1	3-23-60	U.S. Air Force	1904	0	4		Ds	Ls	0	2,273		flowing
	3-5-52						Un					
	5-17-51											
	3-25-47											
12G1	3-23-60	U.S. Air Force	1904	0	4		Un	Tf	0	2,276	15.15	
	11-4-52						Un					
12G2	5-17-51	U.S. Air Force	1904	0	4		Ds	Tc	1.7	2,277		flowing
	3-25-47											
12M1	10-25-56	U.S. Air Force	1949	19.5	6	J 1	Ds	Tf	2.0	2,292	7.50	flowing
	5-3-54						Dn					
	3-25-47											
12M2	3-23-60	U.S. Air Force	1930	429.8	G 12	NN	Un	Tap	.2	2,291	34.52	
	10-18-56						Ds					
13D1	3-23-60	U.S. Air Force	1949	36.2	G 8		Ds			2,293		Cp, L, W
	10-18-56						Ds					
13L1	3-23-60	U.S. Air Force	1949	36.2	G 8		Ds			2,296		W
	10-18-56						Ds					
14E1	3-23-60	U.S. Air Force	1949	497	6	NN	Un	Nc	2.0	2,297	17.52	Cp
	11-4-52						Tf					
	3-4-52											
14M1	11-15-51	U.S. Air Force	1949	300	G 10	T 10	Un	Tf	2.2	2,291	25.00	flowing
	3-23-60						Un					
	11-4-52											
14M1	4-20-51	U.S. Air Force	1949	300	G 10	T 10	Un	Tap	1.4	2,327	33.03	L, W
	11-4-52						Dc					
	5-15-51											
17M1	3-1-60	U.S. Air Force	1949	300	G 10	T 10	Un	Tap	1.4	2,327	34.07	C, Cp, L
	4-20-51						Dc					
	11-4-52											

see footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Year completed	Depth (feet)	Type of casing	Pump type and power	Yield (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level : Depth below lsd (feet)	Other data
			Year completed	Depth (feet)	Type of casing	Pump type and power										
3/12-104	4-20-51	W. O. Parret	1915	550	C 6	T 10	I					TcN 2.0	2,336	(b)	22.59	W, Wp
20B1	4-20-51			53.2	6	N N	Un					Tc .5	2,317		23.45	W, Wp
20C2	4-20-51			297.2	6	N N	Un					Na	2,306			C, Wp
21C1	4-20-51	X-G Ranch	1944		C 12	T 15	Dc	490				Dhc 0	2,313		18.70	
21D1	4-20-51	Frank King	1945	254	12	T 20	Dc	310				Tap 0	2,303		11.53	
21H1	4-26-51	Nemo Co.		300	8	N N	Un					Tc .7	2,305		14.93	Cp
21Q1	4-26-51	Nemo Co.		207	8	T 20	Dc					Tc .9	2,303		10.64	
21R1	4-26-51	Nemo Co.	1930	140	C 8	T 15	Dc					TcW 0	2,295		15.12	
22B1	5-2-58 5-20-51	U.S. Air Force		29.1	6	N N T 10	Un Dc					Ma				
22D1	8-21-51	Southern Pacific Co.	1904	19.5	5		Ds						2,301			W, Wp
22E1	4-26-51	C. H. Lippincott	1914	298.5	6	N N	Un					Tap 0	2,302		8.24	L, W, Wp
22H2	4-26-51				6	N N	Un					TcE 1.0	2,300		8.06	Wp
22R1	5-2-58 5-17-51	U.S. Air Force		17.2 300	6		Ds I						2,299			Wp (a)

T. B. H., R. 12 W. --Continued

2242	5- 2-53	U.S. Air Force	3			De		2,296		W, Hp
2301	3-23-60 11- 4-52 3- 4-52 11-15-51	U.S. Air Force	6	N H	Un	Tap 1.5		2,293	27.28 27.11 2.50 20.69	Hp
23J1	5- 2-53	U.S. Air Force	3	N H	Un	Tc 0		2,299	14.99	Cp
24P1	5- 1-51	U.S. Air Force	13		Ds			2,307		L
24T1	5- 2-53	U.S. Air Force	6		Ds			2,310		Hp
25C1	5- 3-54	Eruce Smith	6	G 6 J E	Dm			2,307		W
26P1	1-24-51		6	N H	Un	Tap 1.8		2,303	14.27	
26J1	3- 1-52 11-15-51 5- 1-51			N N	Un	Tcc -2.1		2,308	2.59 2.71 2.70	
28P1	4-26-51	Paul Jeltz	6	G 12 T 20	Dc	TcW 1.0		2,306	11.69	L
28T1	4-26-51	Paul Jeltz	6	T 10	Dc			2,308	(b)	
28J1	4-27-51	Jessick		J 1	Dm	Tcc 0		2,304	5.98	
28H1	4-27-51		6	L W	Dm	TF 1.0		2,309	13.52	
30D1	10-17-56		7		Ds			2,330		W
30P1	4-26-51 5- 2-44 11- 1-43	Frank Posey	6	L	Un	Ne Tc	.5	2,322	f8.5 f8.1	

See footnotes at end of table.

W.C. number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type, diam., eter. (in.)	Pump type and power			Yield: (gpm)	Use
01/12-30-2	4-26-51	Frank Posey	507	0	T I	I	Na	2,322		Cp
3001	4-26-51			6	H H	Un	Tc	.3	2,324	33.68 W
30P1	4-27-51			6	H H	Un	TcH 0		2,326	37.49
3001	4-26-51			6	H H	Un	Tc	1.0	2,323	24.46 Wp
32D1	1-23-51 5-2-44 12-4-43	Walter Corse	300	6	L	Dm	Ha Tc	.5	2,319	14.7 15.5
32H1	3-3-52 11-15-51 10-17-51			4	L I	Dm	TcH	2.0	2,311	12.08 17.32 18.28
3201	1-23-51		63.8	6	L W	Un	Tc	-.4	2,318	16.35 W, Wp
34P1	4-27-51	Scott	269	4	L W	S	TcH	1.2	2,311	24.41
34H1	5-1-51 12-5-41		4.5	6		Ds	Tc	.4	2,316	Wp 13.6
31P1	4-27-51	Harold Losey	150	5	L, 1/2	Dm	Ha		2,317	C, Cp, Wp
35P1	4-27-51			6	H H	Un	Tc	1.0	2,320	23.57

T. O. N., P. 12 W. -- Continued

3511	5-4-52 5-10-51	L. G. Fish	450	12	MM	Un	Te:1	-.3	2,327	37.16 46.72	
3512	11-15-51 5-13-51	L. G. Fish	120	0	J 1	Dm	Te	-9.0	2,326	26.29 25.56	
<u>T. O. M., R. 13 M.</u>											
4/13-201	3-4-52 12-5-51	Merle Curtis	475	12	T 30	I	Mpb	.3	2,381	28.54 29.53	
711	5-17-55	Lone Butte Ranch	500	RG 14	T 40	I	Bpb	0	2,443	218.82	
2601	3-3-52 12-5-51	H. G. Hurley	1949	12	T I	I	TeE	1.0	2,360	69.77 77.94	
<u>T. O. M., R. 8 M.</u>											
9/0-5E1	1-28-53	U.S. Air Force	1949	321		Ds			2,405	L	
6G1	9-15-56	U.S. Air Force	76.0	5		Ds			2,364.2	M	
6H1	5-1-57	U.S. Air Force	1949	467	G 12	T 75	Tap	.8	2,387	121.27	
6H2	3-13-53 11-8-51	U.S. Air Force	1949	354	G 12	T 75	Tap	1.0	2,395	1126.53 1125.46	
6I1	3-7-57 10-15-51 1-22-47	U.S. Air Force	54.2	5		Ds Un	Te	0	2,316.7	50.74 h37.2	
6J1	1-22-43	U.S. Air Force	299	12	MM	Ds	Te	.7	2,443.7	h173.3	
1111	10-10-51	U.S. Air Force	419.4	12	MM	Un	Te	0	2,397.2	128.61	

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Year completed	Depth (feet)	Diameter (in.)	Pump type	Yield (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Depth (feet)	Diameter (in.)	Pump type	Yield (gpm)										
197-1B1	3-3-60	U.S. Air Force	22.6	D 5			Ds						2,277		W	
1B2	10-18-51	U.S. Air Force		D 10			Ds						2,277			
1B3	10-10-51	U.S. Air Force		D 2			Ds						2,277			
1B4	10-18-51 1-22-43	U.S. Air Force	12.0	D 12			Ds					Tce 0	2,279	h10.4		
1B5	10-18-51 1-22-48	U.S. Air Force		D 5			Ds Un					Tc 0	2,277	h0.3		
2Q1	10-18-51	U.S. Air Force	122.8	0	NN		Un					Tc 1.0	2,274.3	10.82	C, W	
6A1	1-22-48	U.S. Air Force	199	G 14	T 40	1943	Bs					Tap 1.3	2,274.7	h25.7	C, Cp, L	
6C1	11-9-50	U.S. Air Force	117	G 14	T 10	1942	Bs					Bhc .7	2,257.5	39.56	C, Cp, L, W	
6E1	12-4-51	U.S. Air Force	103.7	G 14	NN	1942	Un					TcN .7	2,290.2	41.80	L, W	
6L1	1-22-48	U.S. Air Force	147	G 14	T 25	1940	Bs					Tc 1.5	2,282.3	h43.4	C, Cp, L	
6V1	3-24-60 1-22-48	U.S. Air Force	126	G 14	NN T 20	1942	Un Bs					Tc 0	2,286.8	33.57 h35.6	C, Cp, L	
7H1	11-19-51	U.S. Air Force	245.4	12	NN		Un					TcN 1.0	2,257	23.42	C, W	

T. 2 N., R. 9 W.

7M1	10-25-50 11-5-52 3-4-52 11-27-51	U.S. Air Force	6	30.9	N N	Un	TcN 0	2,202	21.02 15.69 18.46
UD1	3-25-60 11-30-51	U.S. Air Force	12	31.3 32.1	N N	Un	Bhc 2.3	2,277	29.33 C, W 25.60
10K1	10-17-51	U.S. Air Force	9	106.0	N N	Un	TcS .5	2,280	10.14 C, W
12F1	10-17-51	U.S. Air Force	0		L N	Un	Tc .5	2,283.5	21.26 W
12Q1	10-17-51	U.S. Air Force	6	93.2	N N	Un	TcN 0	2,346.0	70.96 W
14H1	3-3-60 3-11-59 5-15-50	U.S. Air Force			T N	Un	Hpb 1.0	2,330	70.75 74.46 72.76
14P1	5-15-50 10-17-51 1-22-48	U.S. Air Force	12	100	N N	Un	Ls 0	2,309.2	38.46 h39.0
14R1	10-17-51 1-22-48	U.S. Air Force	0	57.0		Un	Tc 0	2,326.0	h55.7
15G1	11-9-50	U.S. Air Force	G 14	360	T 100	Bs		2,280.3	C, Cp, L, W
20G1	5-15-50	U.S. Air Force	0	1917		Un		2,263.7	W
24H1	5-5-54	U.S. Air Force	12			Un		2,414.5	W
24P1	3-11-57 5-15-54	U.S. Air Force	14	360	T N	Un	Tc 1.0	2,353.3	96.52 94.80
27H1	7-16-57	U.S. Air Force	6	23.4		Un		2,200.1	Cp, W
27K2	12-17-57	U.S. Air Force	KG 3	200	T I	Un	TcN 1.0	2,200	23.30 L, W

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Year completed	Depth (feet)	Type, diam., eter, (in.)	Pump type and power			Yield (gpm)	Use
<u>T. 9 N., R. 10 W.</u>										
9/10-2A1	4-12-60 3-5-52 12-11-51	U.S. Air Force		10	J N			2,310	50.64 50.73	
UP1	5-5-54	U.S. Air Force		6	T E			2,372	82.31	C, Cp, W
10A1	3-24-60 11-5-52 4-19-52	U.S. Air Force		15.0 49.6	D 48 J E			2,310	43.04 42.78	
10J1	3-24-60	U.S. Air Force		54.0	2 N N			2,294	36.11	W
12R1	2-9-51	U.S. Air Force		186.6	G 16 N N			2,280.0	14.07	L, W
12R2	11-5-52 3-31-52 3-4-52 11-26-51	U.S. Air Force		171.3	10 N N			2,282	22.87 17.85 17.60 20.13	
13A1	5-3-60 11-5-52 11-19-51	U.S. Air Force		23.8 527	18 N N			2,202	21.55 19.17	
14C1	12-11-51 1-22-48	U.S. Air Force	1942	18.8 113	12			2,287.8	dry h23.7	L, Wp
14M1	5-3-60 11-6-52 3-5-52 11-30-51	U.S. Air Force		55.0	8 N N N N			2,325	44.81 48.30 49.09 50.25	

15R1	3-29-60	U.S. Air Force		8	NN	Un	Tcc	2.5	2,342	58.67
16A1	3-24-60	U.S. Air Force	127.5	6	NN	Un	Tc	1.0	2,320	38.62 Cp,W
16C1	6-2-52	U.S. Air Force	147.9	6	NN	Un	TcS	.5	2,333	26.47 C,Cp,W
16C2	10-26-56	U.S. Air Force	216	G 12	NN	Un	Tup	.65	2,328	79.87 Cp,W
16D1	3-24-60	U.S. Air Force		10		Ds			2,338	
16E1	3-24-60 12-8-52	U.S. Air Force	88.3 98.2	12		Ds Un	Tc	0	2,329	Cp 94.65
16L1	3-24-60 11-5-52 4-3-52 10-16-51	U.S. Air Force	464.5 500	G 14	NN	Un Un	Tap Tc	.72 .5	2,322	88.28 94.35 99.48 125.20
16L2	3-24-60 11-5-52 4-3-52 10-16-51	U.S. Air Force		14	NN	Un	Tc	0	2,322	83.69 L 85.66 83.87 96.82
16M1	10-25-56	U.S. Air Force	140.7	16	NN	Un	Tc	.22	2,325	89.03 W
16M2	3-24-60 4-3-52 10-16-51	U.S. Air Force	53.0 196	14	NN	Ds Un	Tc	0	2,326	e111.90 118.98
16N1	2-8-57	U.S. Air Force	396	G 14	NN	Un	Tap	.25	2,325	90.19 C,Cp,L,
16P1	3-8-57	U.S. Air Force	532	G 14	TI	S	Hpb	1.0	2,322	82.71 C,L,W
17R1	3-24-60 10-19-54	U.S. Air Force	114.5 129.7	6	NN	Un	Tc	.5	2,323	83.40 96.50
20A1	3-24-60	U.S. Air Force	178.0	12	NN	Un	Tap	-1.0	2,325	85.72

See footnotes at end of table.

WGC number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of 1st bottom lsd (feet)	Water level	Other data		
			Year completed	Depth (feet)	Type	Material					Yield (gpm)	Use
29/10-20B1	3-24-60	U.S. Air Force		12	N N	Un	Tc	0	2,325	57.16		
22J1	12-3-59	U.S. Air Force	1949	41.5	G 8	Ds	Tc	1.0	2,285		C, Cp, W	
22J2	3-3-60 12-9-59	U.S. Air Force	1949	120	G 8	Un	Tc	1.0	2,285	144.15 45.96	C, Cp	
24C1	7-28-52	U.S. Air Force	1951	750	G 14	Bs	Tap	.2	2,205	24.65	C, Cp, L, W	
24E1	3-12-50	U.S. Air Force	1957	700	RG 16	Bs	Tap	3.0	2,280	29.38	C, Cp, L, W	
24F1	1-20-51	U.S. Air Force		430	G 12	Bs	Hpb	2.0	2,281.2	15.37	C, Cp, L, W	
24F2	10-26-56	U.S. Air Force			6	N N	Ds		2,280		W	
24G1	10-12-51	U.S. Air Force	1951	750	G 14	Bs	Bhc	.5	2,280	24.20	C, Cp, L, W	
24H1	3-20-51	U.S. Air Force		127.4	7	N N	Un	TcW	0	2,273	6.35	W
24P1	3-12-58	U.S. Air Force		6.2	8	Ds	Ds		2,272		W	
26F1	3-25-60	U.S. Air Force			6	Ds	Ds		2,275		W	
26K1	3-12-58	U.S. Air Force		19.2	6	Ds	Ds		2,271		W	
26N1	3-25-60	U.S. Air Force		10.9	6	Ds	Ds		2,275		W	
28C1	7-17-57	U.S. Air Force				Ds	Ds		2,305		Cp, W	

T. J. ... 10 W. --Continued

28F1	6-17-58 1-18-51	U.S. Air Force	40.0	6		De Un	Tc 0	2,286	25.64
28F2	7-17-57	U.S. Air Force	140.3	G 10	N N	Un	Tc// 1.0	2,300	44.55 W
28H1	5- 5-54 10-16-51	U.S. Air Force	43.8	3	N N	De Un	Tcc .3	2,295	37.65 W
28H2	5- 5-54	U.S. Air Force	120	G 8		De		2,290	C, Cp, W
28H3	7-17-57 11- 1-51	U.S. Air Force	50	8	L W	De Dn	Ma	2,290	Cp
28H4	3- 5-52 1-13-51	U.S. Air Force	28.6	6		De	TcE 1.2	2,295	26.14
30J1	5- 1-58 11- 6-52	U.S. Air Force	1.0	6	L N	De Un	Tc 0	2,295	22.21
30J2	5-30-58	U.S. Air Force	26.0	6		De		2,295	Cp, W
32F1	3-24-60 11-16-51	U.S. Air Force	5.0 21	6	L H	De Dn	Tc -5.0	2,295	17.98
32H1	3- 9-60 4- 8-59 3-11-59 5- 1-58	U.S. Air Force	54.1	6	N N	Un	Tcc 0	2,290	49.65 45.18 44.48 41.53
32H2	5- 1-58 11- 6-52 3- 5-52 1-12-51	U.S. Air Force	2.8 275	6	J 1	De Dn	Tc 1.5	2,290	Cp 44.04 28.90 28.40
34D1	11-29-56	U.S. Air Force	268	6	N N	Un	Tap .22	2,285	35.11 W

Well number	Date of observation	Owner or user	Well data				Year completed	Depth (feet)	Type, diameter, ceter: (in.)	Pump type and power	Yield: (gpm)	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level: Depth below lsd (feet)	Other data
			Depth (feet)	Type, diameter, ceter: (in.)	Pump type and power	Yield: (gpm)										
3410-34G1	3-25-60 12-28-50	U.S. Air Force	78.5 240	6	N N J 1/2	1910	Un Dm	Tap Na	.22	2,290	50.17					
34H1	4-30-57	U.S. Air Force	185	6	N N	1951	Un	Tc	.4	2,285	19.97	W				
34J1	3-25-60 1-11-51	U.S. Air Force	112.8 170	6	N N J 1	1949	Un Dm	Tap Na	.22	2,290	14.03					
34L1	6-9-59 11-8-51 12-28-50	U.S. Air Force	440	8	N N	1922	Un	Tc Tc	.23 0	2,290	52.07 33.42 23.86					
34M1	3-25-60 1-12-51	U.S. Air Force	12.7 238.5	6			Ds Un	TcW	1.0	2,292	25.05					
34P1	4-9-59 11-6-52 5-23-51	U.S. Air Force	240			1900	Ds Un	Bpb Tc	4.0 -6.0	2,295	12.90 12.14					
34P2	4-9-59	U.S. Air Force	240		N N	1920	Un			2,295		CP				
34P3	6-9-59	U.S. Air Force	350	8	T 20	1958	Dc	Bhc	.5	2,295	(d)	L				
34Q1	6-9-59	U.S. Air Force	210	12	T 10	1946	Dc	Tc	2.0	2,295	e48.48	W				
34Q2	6-9-59	U.S. Air Force	1946	12	T 10	1946	Dc	Tc	1.0	2,295	(d)					
34R1	3-25-60 1-11-51	U.S. Air Force	6		L W	1920	Ds Dm	Na		2,295						

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T. 2 N., R. 10 W.--Continued

T. 9 M. 1 R. 11 W.

9/11-1811	3-22-60 11-6-52	U.S. Air Force	6	L W	Ds Dn	Tec 0	2,280	11.56	C, Cp
18M1	3-22-60 1-26-51	U.S. Air Force	8		Ds Un	Tc W .2	2,280	6.18	W
18M2	3-22-60 1-26-51	U.S. Air Force	8	L W	Un Dn	Tc .3 Tcc .5	2,280	20.00 10.00	C, Cp
20A1	3-22-60	U.S. Air Force	4		Ds		2,280		W
22K1	3-22-60	U.S. Air Force	6		Ds		2,325		Cp, W
26F1	3-22-60 1-19-51	U.S. Air Force	6	L W	Ds Dn		2,285		Cp
26F2	3-22-60 11-6-52 8-4-52 4-17-52	U.S. Air Force	6	N N	Ds Un	Tcc 0	2,290	20.12 19.93 19.93	
34M1	11-16-51 3-22-51 3-26-47	U.S. Air Force	6		Ds Un	Tc 1.5	2,278	14.67 11.6	
36J1	5-1-58	U.S. Air Force	10	N N	Un	Tap 1.26	2,288	28.30	Cp, W
36L1	10-23-56	U.S. Air Force	12	N N	Un	Tap 1.42	2,290	42.70	Cp, W
36M1	5-1-58	U.S. Air Force	10	N N	Un	Tc 1.8	2,295	44.32	Cp, W
36M2	5-1-58	U.S. Air Force	12	N N	Un	Tap 2.62	2,297	29.56	W

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lead (feet)	Water level	Other data		
			Year completed	Depth (feet)	Type, diam., eter, (in.)	Pump type and power					Yield (gpm)	Use
16D1	3-29-51	R. E. Payne	1949	85	G 6	L 2	30	Dm	Tec 1.2	2,390	26.75	
16E1	5-1-58 3-29-51	Gettys	1950	150		HN		Ds Un	Ls 0	2,404	48.4	
16E2	5-23-56 9-21-51	Clara Koch Gettys	1951	182.4		Ø		Dm S	Tap 1.65 Tce 1.0	2,375	94.15 92.94	W
16E3	5-24-56	Clara Koch	1955	503		C Ø	L	Dm		2,390	36	
16J1	5-24-56 11-5-52 4-17-51	A. C. Scruggs	1951	200	RG 12	T 25		I	Tes .4	2,340	65.75 74.94 60.86	C, L
16K1	4-17-51	R. J. Rubees	1945	204	G 12	T 20		I	Na	2,360		L
16L1	5-24-56	Frank Maske	1917	254	14	T 15	450	I	Tc 0	2,365	89.72	L
16M1	3-28-51	Harry Webb			12	T 15		I	Tap .1	2,355	75.17	
16P1	3-5-51 1-24-51	Frank Maske		280	14	T 20		I	Hpb 0	2,355	70.60 70.30	
16P2	3-27-51	Marie Loomis		150	G 8	L 3/4		Dm	Tc 1.0	2,349	66.14	WP

T. 9 M., R. 12 W.

16Q1	4-17-51	Peter Thomas	250	14	F 25	I	Ma	2,335	
16Q2	4-17-51	Peter Thomas		10	T 10	I	Ma	2,335	
16R1	4-17-51 4-10-46 11-7-45	R. J. Rubees	150	8	J 1	Dm	Ma Tc 0	2,325	f40.1 f40.1
17M1	5-22-56	C. G. Spencer	1936	6	L W	Dm	Tc .3	2,361	87.17
17M2	5-22-56	C. G. Spencer		8	J 1	Dm	Tc .4	2,367	93.15
17M1	11-19-57 1-24-51	Peter Thomas	250	14		Ds Un	TcW 1.0	2,352	63.37
17M2	3-5-52 4-13-51	Thomas & Garnero	250	12	T 25	I	Tc 0	2,354	69.08 67.13
17M3	4-13-51	Thomas & Garnero	250	14	T 25	I	Hpb .9	2,360	82.80
17P1	3-28-51	William Blattery	100	6	L 1/2	Dm	Tc .9	2,349	56.80
17R1	3-28-51	Cora Larr	300	12	T 15	I	Bpb .2	2,360	70.71
18C1	5-21-56 4-12-51		15 45.0	D 60	N N	Ds Un	Ls 0	2,422	19.9
18E1	5-22-56 3-5-52 11-15-51 4-?-51	Fale Randleman	1949	C 12	L W	Un Dm	Tc 1.0	2,423	17.25 L c61.58 c61.74 d55.60
18F1	5-23-56	Dale Randleman	1956	C 8	L W	Dm	TcE 1.0	2,415	63.74
18M1	4-17-51	Hudson	1948	8	T 5	I	Ma	2,385	

see footnotes at end of table.

Well number	Date of completion	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data	
			Year completed	Depth (feet)	Type, diam., cter. (in.)	Pump type and power					Yield (gpm)
9/12-1872	4-17-51	Ruel Williams	187	12	T 20	500	I	Hpb 0.7	2,390	99.35	
18W3	4-17-51	Ruel Williams	183	12	L 1/2		Dm	Na	2,390		
18W4	3-5-52	Dale Randleman	300	14	N N		Un	TeN .7	2,390	91.08	
18P1	4-9-51	Dale Randleman	355	G 12	T 40	760	I	Le	2,376	90	
18P2	4-9-51	Dale Randleman	261	12	T 25	450	I		2,385	(d)	L
18P3	4-9-51	Dale Randleman	125	6	L W		Dm	TeW 0	2,373	37.60	
18W1	4-12-51	K. Paul	150	8	J 1		Dm	Tec .4	2,367	74.17	
19A1	4-12-51	W. Hunter		7	L W		Dm	TcS 1.0	2,353	65.01	
19B1	4-12-51	Thomas Fulpin	1949	14	T 25	900	I	Na	2,370		
19C1	4-12-51	J. Randleman	1946	16	T 25		I		2,376	(d)	
19D1	4-12-51	E. L. Robinson	1949	G 12	T 20		I		2,387	(d)	CP
19J1	4-6-53	Richard Robinson		6	L W		Dm	Tcc .8	2,343	61.18	
	3-5-52									56.13	
	11-15-51									58.05	
	4-13-51									53.18	

T. 9 N., R. 12 W.--Continued

19R1	4-13-51	B. Tombrello	1949	64.4	6	L W	Ln	FeS	1.3	2,340	49.08
20C1	3-28-51	William Fungilley	1947	140	6	J 1	Ln			2,348	(d) L
21A1	3-27-51	McDaniels	1948	181	8	T 7½	I	Ma		2,325	Cp
21A2	4-19-51	Hawley	1951	150	7	M N	Un	LS		2,325	45.8
21B1	4-17-51	S. A. Ekker		150	12	T 20	I			2,338	(d)
21C1	3-28-51	Macco Corp.				T 25	I	Ma		2,330	
21D1	4-17-51	Southern Pacific Co.			8		Ds			2,332	Wp
21D2	3-27-51	George Hummel	1935	250	10	T 10	Ps	LS		2,335	72
21D3	3-27-51	T. R. Loomis	1940	107.2	9	L W	Dm	Tcc	1.8	2,350	64.64 Cp, W, Wp
21D4	4-17-51	W. S. Webb	1905		6		Ds			2,330	Wp
21E1	3-27-51	George Hummel	1946	300	G 10	T 15	Ps			2,332	75
21E2	3-28-51	G. W. Kinton		100	7	L W	Un	TcN	0	2,330	50.98 W
21P1	3-29-51	Gerald Bartell	1941	103	8	J 3/4	Dm	TcN	0	2,322	32.65
21P2	11-9-51	Darwin Zinc, Inc.	1951	198	G 10	J 3	Dm	Tc	1.1	2,315	35.52
22G1	3-23-60	U.S. Air Force			8	J ½	Un	Tc	.8	2,295	35.08 W
22G2	3-23-60 3-27-51	U.S. Air Force			10	T 15 T 15	Un I	Ne		2,295	
23C1	10-19-54 3-22-51	U.S. Air Force			14	T 15	Ds I	Tc	.5	2,297	Cp 15.33

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data	
			Year completed	Depth (feet)	Type, diam., cter. (in.)	Pump type and power					Yield (gpm)
9/12-23K	3-22-60 11-5-52 3-22-51	U.S. Air Force	55.3 174.6	12	N N	N N	Tc	0.8	2,296	17.28 16.27 7.94	
23M	3-22-51	U.S. Air Force	266.7	12	T	15	Tc/H	.6	2,294	17.41	W
23N2	3-1-60	U.S. Air Force	165.5	10					2,294		W
23Q1	3-22-60 11-5-52 3-22-51	U.S. Air Force	15.6 17.2	12		N N		Tc	2,298	16.35 7.70	
24C1	3-22-60 3-22-51	U.S. Air Force	3.0 150	11	C	1			2,280		C, Cp
24H	3-22-51 3-26-47	U.S. Air Force	4.5	7				Bhc	2,285	f2.3	
24G1	3-22-60	U.S. Air Force	105.4	8	N	N		Tf	2,275	13.43	W
24J1	3-22-60	U.S. Air Force	13.4	4					2,275		C, W
24K1	3-22-60 3-22-51 3-26-47	U.S. Air Force	110.0	6	N	N		Tap	2,286	14.87 2.84 f.2	
26G1	10-18-56	U.S. Air Force	8.9	4					2,292		W

T. 2 N., R. 12 W.--Continued

26K1	10-18-56 1-26-51	U.S. Air Force	16.0	6		Du Un	Tc	- .5	2,295	8.59
26Q1	11-19-57 3-7-57 10-25-56 3-9-47	U.S. Air Force	19.6 300	G 12	T 20	Ds Dc	Tc	0	2,236	Cp, L 17.15 10.04 flowing f/
27J1	3-10-58	U.S. Air Force	150	13	N H	Un	Tc	.6	2,298	21.71 W
28C1	11-9-51	J. Pengilley	110	6	J E	Dm	TcW	.8	2,324	33.76
28D1	3-30-51	Ralph Stuckee	180	7	L W	Dm			2,326	28
28D2	11-9-51	J. Pengilley	109	6	J 1	Dm	TcS	1.6	2,326	35.69
28F1	3-30-51	Glatt	55	7	L 1/4	Dm	Ma		2,325	
28F2	11-5-52 3-5-52 11-15-51 3-30-51	Glatt	100	6	T I	I	TcS	-1.2	2,325	30.52 29.13 29.27 27.46
28F3	11-9-51	California Mineral Products	150	8	J 3	Dm			2,324	(1) L
28M1	3-30-51	F. A. Patterson	250	6	C 3	Dm	Ma		2,325	22 Cp
28M2	3-30-51	F. A. Petterson	250	6	C 5	I	Ma		2,325	22 Cp
30E1	11-19-57			6	N N	Un	Tcc	.7	2,360	86.49 W
30K1	4-13-51		97.2	9	N N	Un	Tf	1.2	2,349	45.07
31M1	11-4-58	Wegus Ranch	300	18	N H	Un	Tc	.5	2,347	100.19 W

Well number	Date of completion	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Year completed	Depth (feet)	Type, diam., (in.)	Pump type and power				

T. 2 N., R. 12 W.--Continued

9/12-3201	3-30-51 10-6-59	Hayes Self	290	C 10	Dm	Na Tcc 0	2,325	g10.10	
3301	11-5-51 3-30-51	S. Caplin	1943	G J 3/4	Dm	TcN .6	2,310	20.54 17.56	
3401	3-22-60 3-29-51	U.S. Air Force	1917	7	Ds Un	TcN .3	2,295	11.62	
3402	3-22-60	U.S. Air Force	1917	6	Ds		2,295		W
3403	10-25-56	U.S. Air Force	1917	10	Ds		2,295		W
3501	10-25-56	U.S. Air Force	1949	G 10	Un	TcN 0	2,295	17.02	Cp, W

T. 2 N., R. 13 W.

9/13-2001	2-10-53	Purdy	124	H H	Ds	TcN 0	2,405	dry	
2002	2-10-53	Purdy	1947	G 12 T 40	I	Na	2,405	131	
2001	5-16-55	H. White	350	12 T 50	I	Tc 0	2,430	(a)	
2301	1-24-51	W. W. Hendrix	200	12 H H	Un	TcS 0	2,410	111.67	C, Cp, W
2302	1-25-51	W. W. Hendrix	1942	G 12 T 40	I	DpS 0	2,410	110.53	L

T. 10 M., R. 2 M.

10/9- 4A1 3-24-60 U.S. Air Force 122.4 6 Ds 2,355 C, Cp, W
 32U1 1943 U.S. Air Force 140 140 Ds 2,450 L

T. 10 M., R. 2 M.

10/9- 4D1 3- 7-57 U.S. Air Force 1957 502 C 12 N N 500 Un Tc .20 2,230 95.02 C, L, W
 4D2 3-29-60 U.S. Air Force 1958 500 RC 14 T 30 Ds 2,306.9 C, L
 10-16-58 Un 1500 Tap 1.0 90.13
 7A1 1-30-51 U.S. Air Force 1942 200 10 T 5 65 Ds 2,276.0 C, Cp, L
 1-22-43 Tcc 1.2 h66.4
 7A2 11- 5-52 U.S. Air Force 1943 200 10 T 5 100 Bs 2,276.9 C, Cp, L, W
 23B1 10-16-57 U.S. Air Force 1949 145 8 J 3 Ds 2,279 Cp
 11- 3-52 Ds 57.66
 12- 4-51 Ds 50.61
 24A1 3-10-56 U.S. Air Force 2,207.5 W
 24A2 5- 4-54 U.S. Air Force 1953 14 N N 14 Un Tcc 0 2,237 72.56 W
 24B1 3-11-56 U.S. Air Force 170 T 2 Ds 2,234 Cp
 11-27-51 Ds 170 Na
 30P1 4-12-60 U.S. Air Force 1927 132 12 L W Ds 2,285 Cp
 3- 5-52 Ds 41.40
 1-24-52 Ds 41.32
 30Q1 4-12-60 U.S. Air Force 16 16 Ds 2,273 35.74
 11-24-51 Un TcW 2.4
 See footnotes at end of cable.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level		Other data
			Year completed	Depth (feet)	Type, diam-eter, (in.)	Pump type and power			Yield (gpm)	Use	
T. 10 N., R. 9 W.--Continued											
10/9-3002	4-12-60 11-5-52 3-5-52 11-20-51	U.S. Air Force	5.0	8			2,275		34.55 34.95 35.56		
3003	1-24-52 11-20-51	U.S. Air Force	117.5	8	NN		2,275		35.14		
31A1	4-12-60 1-24-52 11-20-51 3-27-47	U.S. Air Force	28.0 39.2 58	8			2,280		34.70 35.94 36.2	L	
31A2	4-12-60	U.S. Air Force			NN		2,275		29.44		
31A3	4-12-60 11-5-52 3-5-52 11-20-51	U.S. Air Force	40.0	7	NN		2,275		30.44 30.02 30.20 30.46		
31A4	4-11-60	U.S. Air Force		6	NN		2,275		30.42		
31B1	4-12-60	U.S. Air Force	32.5	6			2,273				
31B2	5-13-53	U.S. Air Force	72.5	8			2,273		35.03	W	
31C1	1-30-51	U.S. Air Force	146.8	10	NN		2,200		42.31	L, W	

31C2	4-13-60 11-20-51	U.S. Air Force	1944	124	12	T 25	Ds Ma	2,260	
31C3	4-13-60	U.S. Air Force	1913	213	12	N N	Un Tc	2,200	43.69 L
31C4	4-13-60 1-24-52 1-14-52	U.S. Air Force	1926	53.5 123	16	N N T 10	Un Tc Un Tap	2,200	43.63 L 44.52 44.72
31C5	4-13-60	U.S. Air Force		113.0	12	N N	Un Tc	2,277	40.90
31H1	4-13-60 11-5-52 1-24-52 11-20-51	U.S. Air Force		32.0 35.6	8	N N	Ds Un Un Tc	2,275	32.50 32.53 32.69
31H2	4-13-60 3-5-52 1-24-52 11-20-51	U.S. Air Force		23.4 36.0	6	N N	Ds Un Un Tc	2,275	32.05 32.14 33.32
31J1	1-24-52 11-20-51	U.S. Air Force		30.9	D 30	N N	Ds Un Un Tc	2,275	33.26
31J2	4-13-60 1-24-52 11-20-51	U.S. Air Force			8	J 1	Ds Un Un Tc	2,275	33.29 33.43
31J1	4-13-60 3-3-53 11-5-52 3-5-52 11-20-51	U.S. Air Force		28.0	6	.	Ds Un Un Tc	2,290	49.51 49.44 49.32 49.09
31J1	4-13-60 11-5-52 1-24-52 11-20-51	U.S. Air Force	1944	39.0 33	6	J 1/2	Ds Un Un Tc	2,294	L 46.65 46.32 46.31

See footnotes at end of table.

Well number	Date of installation	Owner or user	Well data				Year completed	Use	Measuring point (feet)	Altitude of lsd (feet)	Water level	
			Depth (feet)	Type, diam., and (in.)	Pump type and power	Yield (gpm)					Depth below lsd (feet)	Other data
<u>T. 10 N., R. 9 W.--Continued</u>												
3142	4-13-60 3-5-52 11-20-51	U.S. Air Force	92.5	6	N N		Ds Un	Tc .3	2,293		49.93 48.98	
3143	4-13-60 11-20-51	U.S. Air Force	86.0	6	N N		Ds Un	Tc -5.3	2,295		48.51	
3661	4-9-59	U.S. Air Force	93.5	8	N N		Un	Tec -.23	2,282.4		37.00	C, Cp, V
<u>T. 10 N., R. 10 W.</u>												
10/10-2511	8-11-56	U.S. Air Force		8			Ds		2,290			Cp, V
2582	5-11-56 11-20-51	U.S. Air Force	105		L N		Ds Un	Ma	2,290			
2583	5-11-56 11-20-51	U.S. Air Force	100	6	L W		Ds Un	Tc .5	2,288		42.59	W
2584	3-5-52	U.S. Air Force		10			Ds		2,351			Cp, V
3571	5-3-60 11-3-52 3-5-52 12-11-51	U.S. Air Force	105.5 114	12	N N	1942	Un	Tc 1.4	2,321.5		51.24 56.34 56.42 56.32	L

T. 10 N., R. 11 W.

10/11-13E1	9-11-52 1929	U.S. Air Force	45.0 120	12		Ds	Tc	1.0	2,505.0	L	655.76
14D1	3-24-60	U.S. Air Force	111.0	16	NN	Un	Tc	0	2,505.2	W	65.60
14P1	3-24-60	U.S. Air Force	36.2	14	LH	Ds	Tc	1.0	2,502.0	C,L	39.02
	5-5-54		73			Dn	Tcc	.3			639.92
	2-10-30										641.21
	9-27-29										
20W1	3-23-60	U.S. Air Force	77.5		NN	Un	Tc	1.0	2,541.0	W	74.25
20W2	11-25-52	U.S. Air Force				Ds			2,545		
20W3	11-25-52	U.S. Air Force	106			Ds			2,545	L	
30D1	3-23-60	U.S. Air Force	60.2	14	NN	Un	Tc	2.4	2,546.7	L,W	77.55
30I1	12-2-52	U.S. Air Force	113			Ds			2,615	L	
30I2	12-2-52	U.S. Air Force	100			Ds			2,615	L	
34R1	11-25-52	U.S. Air Force	98.0	14		Ds			2,585		

T. 10 N., R. 12 W.

10/12-13H1	11-4-56	U.S. Air Force	105.0	C 12	NN	Un	Bhc	.5	2,505	L	51.76
14A1	11-25-52	U.S. Air Force		12		Ds	Tc	1.0	2,532.9		677.04
	2-10-30		130								677.05
	9-25-29										

See footnotes at end of table.

U.S. well number	Date of installation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level	Other data
			Year completed	Depth (feet)	Pipe size (in.)	Pump type				

T. 10 N., R. 12 W. --Continued

10/12-14K	3-2-60 9-12-52 2-10-30 11-2-29	U.S. Air Force	117.9	10	NN	Un	Tc .9	2,522.0	61.21 60.66 60.70 60.95	
14K2	3-24-60 9-12-52	U.S. Air Force	61.6 65.1	12	NN	Ds Un	TcE 0	2,520	61.30	
14K3	3-24-60 9-12-52	U.S. Air Force	65.8	6	NN	Un	Tc .5	2,520	61.72 61.14	
14K4	3-24-60 9-12-52 2-10-30 9-29-29	U.S. Air Force	70.1 61.7 66	C 16	NN	Un	Tc .4	2,530.5	50.43 49.58 49.45 43.97	
14K2	3-24-60 9-12-52	U.S. Air Force	55.0 53.8	C 14	NN	Un	TcE .5	2,530	51.50 50.29	
22K1	3-23-60 9-12-52 9-21-51	U.S. Air Force	100	12	LW	Ds Dn	TcS 0	2,540	36.60 38.30	Cp
22J1	5-13-56	U.S. Air Force	1956	C 12	NN	Un	Tap 3.2	2,530	33.00	L

22M	3-23-60 11-24-52 2-18-30 12-4-29	U.S. Air Force	235.1	8	N N	Un	Tc	.2	2,546.0	37.38 36.02 g37.13 g37.26
22M	3-23-60 11-24-52	U.S. Air Force	161.8	10	N N	Un	TcN	.5	2,540	38.40 37.25
22M	3-23-60 5-5-54 9-11-52 2-18-30 9-27-29	U.S. Air Force	40.0 225	10	T 15	Ds Un	Tcc	0	2,538.8	L 41.69 41.15 g41.36 g41.45
23C1	5-18-56	U.S. Air Force	249.0	C 12	N N	Un	Tap	2.0	2,520	31.72 L
23D1	3-24-60 11-24-52 11-2-29	U.S. Air Force	60.4	10	N N	Un	TcN	.6	2,521.5	28.74 28.10 g28.1
23Z1	12-3-52 2-18-30 11-1-29	U.S. Air Force			N N	Ds Un	Tc	.7	2,515.0	g29.97 g30.10
24M1	3-23-60 9-11-52 9-26-51	U.S. Air Force	69	10	J 1	Ds Dm	TcE	1.0	2,515	C d44.54 38.14
24M2	3-23-60	U.S. Air Force	45.5	D 36		Un	Tc	.5	2,515	34.47 W
24M3	3-23-60 9-26-51	U.S. Air Force	29.5 75	18	L 4	Ds Dm	Tcc	.5	2,515	44.99
24P1	3-23-60 9-26-51	U.S. Air Force	3.0 105	18	L 4	Ds Dm	Uppb	.5	2,522	C 39.59

See footnotes at end of table.

Well number	Date of observation	Owner or user	Well data				Measuring point (feet)	Altitude of lsd (feet)	Water level		Other data
			Year completed	Depth (feet)	Type, diam., cter. (in.)	Pump type and power			Yield (gpm)	Use	
10/12-24P2	3-23-60 9-11-52 9-26-51 10-5-29	U.S. Air Force	1929	98.5 100	G 14 L N	N N L N	Un Un	Tcs 0 Tc 0	2,522.0	35.66 36.51 36.25 635.60	
26B1	3-23-60 9-11-52 9-26-51	U.S. Air Force		45.3 98.3	10	N N	Un	Tc .72 Tc .5	2,530	41.75 40.16 40.20	
26B2	3-23-60 9-11-52 9-26-51	U.S. Air Force	1946	250	12	T I	Un Dn	Tc .5 Hpb .5	2,530	40.47 40.45 40.50	
26D1	3-23-60 9-12-52 2-11-30 10-31-29	U.S. Air Force		95.0 135	12	N N N N	Un Un	Tcs .2	2,533.0	39.38 39.25 639.62 639.70	L
2671	3-23-60	U.S. Air Force		123.3	16	N N	Un	Tap .2	2,563.0	70.79	L, W
26H1	3-23-60 9-12-52 11-26-29	U.S. Air Force		49.8 83.2	16	N N	Ds Un	Tcc 0 Tc .4	2,573.0	76.80 678.15	
27B1	3-23-60 9-11-52	U.S. Air Force		59.4	8	J 2	Un Un	Tc .6 Ha	2,540	42.87	

T. 10 N., A. 12 W. --Continued

T. 11 N., R. 2 E.

11/9-3241	6-9-59 10-16-57	U.S. Air Force	1957	450	RG 16	11 N	Un	Tap	1.04	2,302.5	93.04 93.61	C, L
34K1	1-25-51	U.S. Air Force				11 N	Un	Tcc	1.0	2,300	00.75	W
34K2	5-5-54	U.S. Air Force		01.0	6		Ds					

- a. Measurement by owner.
- b. Obstruction above water table.
- c. Well pumped recently.
- d. Well being pumped.
- e. Nearby well being pumped.
- f. Measurement by Los Angeles County Flood Control District.
- g. Measurement by Cyril Williams, Jr., engineer.
- h. Measurement by U.S. Army Corps of Engineers.
- i. Tape measured.

Table 2.--Cross index of other well numbers and Geological Survey numbers

The first column shows the number assigned to the well by the other agency indicated, and the second column shows the Geological Survey number assigned to the same well. The numbers of the other agencies are listed consecutively. Numbers missing in the consecutive listings are for wells outside the Edwards Air Force Base area, for wells not inventoried by the Geological Survey, or for wells for which no data are available.

Part 1. Los Angeles County Flood Control District

County number	USGS number	:	County number	USGS number	:	County number	USGS number
9864A	7/13-35E1		10200	7/10-14R2		11252	8/12-22D1
9923	7/12-29P1		10200A	7/10-14R1		11253	8/12-22M1
9950	7/12-15F2		10212	7/10-24C1		11253A	8/12-22M2
9954	7/12-34E1		10212A	7/10-25B1		11259B	7/12-15F1
9962	7/12-22R1		10223	7/9-30F1		11263	3/12-22R1
9962B	7/12-22R2		10230	7/9-18R1		11263A	8/12-22R2
9964	7/12-34H1		10230A	7/9-17N1		11265	8/12-34H1
10002	7/11-19M1		10241	7/9-20L1		11266	3/12-34P1
10031	7/11-20B1		10242	7/9-20M1		11272	8/12-23E1
10040	7/11-16L1		10253	7/9-28M1		11280	8/12-12M1
10042	7/11-28E1		10253A	7/9-28M1		11280A	8/12-12E1
10044A	7/11-32A1		10263	7/9-23P1		11284A	8/12-26J1
10101	7/11-24C1		10275	7/9-34M1		11290	8/12-12G1
10113	7/10-30E1		11168	7/13-11L1		11293	3/12-24P1
10114	7/10-31L1		11168A	7/13-11D1		11303	3/12-24R1
10123	7/10-31A1		11205	8/12-30Q1		11320	8/11- 3P1
10123B	7/10-30G1		11214	8/12-30H1		11325A	8/11-30R1
10124	7/10-31G1		11215	8/12-32D1		11333	8/11-20L1
10132	7/10-19M1		11215A	8/12-32M1		11345	3/11-23P1
10133	7/10-29P1		11222	8/12-20B1		11353	3/11-22M4
10134	7/10-32E1						
10144	7/10-32M1						
10161	7/10-21A1		11222A	8/12-20B2		11356	3/11-33F1
10162	7/10-22M2		11242	8/12-21C1		11360	8/11-10M1
10162A	7/10-22M3		11248	7/12- 4P1		11363	3/11-22M1
10162B	7/10-22M1		11248A	7/12- 4P2		11363A	8/11-22M2
10163	7/10-27M1		11250	8/12-10M1		11363B	3/11-22M3

County number	USGS number	: County number	USGS number	: County number	USGS number
11365	8/11-34E1	11437A	7/10- 5N2	12547	8/12- 4B1
11365A	8/11-34D1	11437B	7/10- 5N1	12548	8/12- 4K1
11366A	8/11-34M1	11437D	7/10- 5N3	12554	9/12-2231
11369D	7/11-10N1	11437E	7/10- 6R1	12564	9/12-23H2
11372	8/11-22H1	11437F	7/10- 5E1	12573	9/12-26G1
11372A	8/11-22G3	11438	7/10- 8E1	12588	8/12- 1E1
11376A	8/11-34R1	11440	8/10- 8R4	12593	9/12-24G1
11394	8/11-26M2	11440B	8/10- 8R3	12592A	9/12-24D1
11395	8/11-26R2	11443	8/10-28D1	12594	9/12-24K1
11395A	3/11-26R1	11445	8/10-32E2	12598	8/12- 131
11397D	7/11- 1E2	11447	7/10- 5Q1	12599	8/12-12G2
11399	7/11-12N3	11450	8/10- 9M1	12604	9/12-24J1
11399A	7/11-12N2	11458	7/10- 9G1	12657	8/11- 4A1
11402	8/11-24G3	11463	8/10-28A1	12657A	9/11-34N1
11403	8/11-24F5	11468	7/10- 9H2	12779A	8/10-10F1
11405	8/11-36E1				
11407	7/11- 1Q1	11508	7/10- 1N1	12818	8/9- 6J2
11407A	7/11- 1P1	11518	7/10-12H1	12828	8/9- 6K3
11411	8/10-18M1	11616	7/9- 1B1	12828A	8/9- 6J2
11412A	8/10-18N1	11628	7/8- 7E1	12828B	8/9- 6F1
11413A	8/10-19N1	12473	9/13-23B1	12829	8/9- 6N1
11413B	8/10-19N2				
11413C	8/11-24R2	12473B	9/13-23B2	12837	10/9-31A1
11415	8/11-36H2	12519	8/12- 8D1	12839	8/9- 6K2
11423	8/10-19Q1	12529	8/12- 8B1	12839A	8/9- 6R1
11424	8/10-30F1	12533	9/12-21D4	12858	8/9- 4N2
11425	8/10-31G2	12533A	9/12-21D1	12858A	8/9- 4N3
11428	7/10- 7B1	12533B	9/12-16P2	12859A	8/9- 4M1
11433	8/10-29D1	12533C	9/12-21D3	12868	8/9- 4G1
11435	8/10-31H1	12533D	9/12-16L1	12868A	8/9- 4L1
11435A	8/10-29P1	12533E	9/12-21E1	12869	8/9- 4P1
11436	8/10-32N1	12542	9/12-16K1	12878	8/9- 4H1
11437	7/10- 5N1	12543	9/12-16R1		

Part 2. Thompson (1929)

DGI number	USGS number	: DGI number	USGS number	: DGI number	USGS number
5	10/9-31C3	41	8/11-28F1	148	9/12-26D1
6	9/9-20G1	43	8/10-18M1	155	7/10- 5H2
9	10/11-18D1	45	8/10-30H2	155a	7/10- 5H1
10	10/12-24N1	85a	7/11-12N3	161	8/10- 2H2
21	9/12-21L4	83	7/10- 9G1	162	8/10- 2H1
22	9/12-16L1	92	7/9-18M1	167	7/12-24J1
37	8/12-22E1	93	7/9-28P1	170	7/10-31A1
39	8/12-22E1	94	7/9-34N1	171	7/10-14E2

Part 3. Johnson (1911)

HRJ number	USGS number	:	HRJ number	USGS number	:	HRJ number	USGS number
63	9/12-28M1		115	7/12-13M1		228	8/12-22D1
69	9/12-21D4		165	9/10-34P1		265	9/12-26G1
111	7/12-12D1		185	8/12-12E1		287	8/11-14W1
113	7/12- 2R2						

Part 4. Cyril Williams, Jr., engineer ^{1/}

CW number	USGS number	:	CW number	USGS number	:	CW number	USGS number
8/12- 4A	8/12- 4B1		10/11-30A	10/11-30D1		10/12-23A	10/12-23Z1
9/12-26B	9/12-26G1		10/12-14A	10/12-14A1		10/12-23B	10/12-23D1
9/12-32A	9/12-32G1		10/12-14B	10/12-14M1		10/12-24B	10/12-24P2
10/11-18A	10/11-18D1		10/12-14D	10/12-14K1		10/12-26A	10/12-26F1
10/11-18C	10/11-18P1		10/12-22D	10/12-22D1		10/12-26B	10/12-26D1
10/11-20A	10/11-20N1		10/12-22G	10/12-22K1		10/12-26C	10/12-26M1

1. Williams, Cyril, Jr., Consulting Engineer, San Francisco, Calif., 1930, Supply investigation in the vicinity of Mojave, Calif.: Prepared for Pacific Portland Cement Co., written communication.

Part 5. Edwards Air Force Base

Base number	:	USGS number	:	Abbreviated Base number
Main Base well 1		9/9- 6L1		MB-1
2		9/9- 6M1		MB-2
3		9/9- 6E1		MB-3
4		9/9- 6C1		MB-4
5		9/9- 6A1		MB-5
6		9/10-12R1		MB-6
6A		9/10-24F1		MB-6A
7		9/9-18C1		MB-7
8		9/10-24G1		MB-8
9		9/10-24C1		MB-9
11		9/10-24E1		MB-11
Telemeter Station well 10		9/10- 0P1		TS-10
East Camp well 1		9/8- 6H2		EC-1
2		9/8- 6H1		EC-2
North Base well 1		10/9- 7A1		NB-1
2		10/9- 7A2		NB-2
3		11/9-32Q1		NB-3
4		10/9- 4B2		NB-4

Base number	USGS number	Abbreviated Base number
South Track well A	8/10- 2F1	ST-A
B	8/10- 1F1	ST-B
C	8/9- 6D1	ST-C
D	8/10- 2N2	ST-D
Test well 1	10/12-22J1	TW-1
2	10/12-23C1	TW-2
3	10/12-13H1	TW-3
4	10/9- 4D1	TW-4
Temporary housing well 2	8/10- 2F1	T-2
5	8/9- 6N1	T-5
6	8/9- 6R1	T-6
7	8/9- 4P2	T-7
11	8/9- 4P1	T-11

Table 3.--References that contain water-level measurements in wells in the
Edwards Air Force Base area

U.S. Geological Survey			:	California Department of Water		
Water-Supply Paper			:	Resources Bulletin		
Years for which measurements are available	2/ : Number	: Year published	:	Years for which measurements are available	2/ : Number	: Year published
1903-09	278	1911	:	1941	39-J	1944
1915-22	573	1929	:	1921-42	39-K	1945
1915-43	991	1945	:	1943	39-L	1946
1944	1021	1947	:	1944	39-M	1946
1945	1026	1949	:	1945	39-N	1946
1946	1076	1949	:	1946	39-O	1949
1947	1101	1951	:	1947	39-P	1950
1948	1131	1951	:	1948	39-Q	1953
1949	1161	1952	:	1949	39-R	1954
1950	1170	1953	:	1950	39-S	1955
1951	1196	1954	:	1951	39-T	1955
1952	1226	1955	:	1952	39-U	1955
1953	1270	1956	:	1953	39-V	1955
1954	1326	1957	:	1954	39-W	1956
1955	1409	1957	:	1955-56	39-56	1957
			:	1956-57	39-57	1958

1. California Division of Water Resources, 1944, Bull. 39-J, p. 375-468, and annual supplements thereafter. California Division of Water Resources prior to July 1956.

2. For complete titles see references cited.

Table 4.--Wells for which periodic water-level records are published

USGS number	F :number	:Old D.W.R :number	:DGT and HWJ :number	Records available (years)
	1/	2/	3/	4/
7/7-17M1	10230A	7/9-17A		1945-48, 1950-53
18R1	10230	18A		1932-43, 1945
28M1	10253A	28C		1948-52
28M1	10253	28A		1942, 1945-46
7/10- 5M1	11437B	7/10- 5C		1939-46
5M1	11437	5A	DGT-155a	1921-39, 1944
5M2	11437A	5B	DGT-155	1939-43
5M3	11437D	5E		1945-47, 1949-53, 1956-59
6F1	11437E	6A		1945-51
7B1	11428	7A		1932-48
12H1	11513	12A		1944-52
14F2	10200	14A	DGT-171	1921-27
19D1				1956-57
21L1	10161	21A		1943-54
30G1	10123B	30A		1940-43, 1946-47, 1949-52
31A1 ^{2/}	10123	31B	DGT-170	1921-43, 1945-48, 1950
31A1 ^{6/}	10114	31A		1940-41, 1943, 1948, 1950-52, 1954-59
32E1	10134	32B		1943, 1946-47
7/11- 1P1	11407	7/11- 1A		1943-46, 1948-51
12M3	11399	12A	DGT-85a	1951-54, 1956-59
19M1	10002	19A		1943-45, 1952
24C1	10101	24A		1932-54
28E1	10042	28B		1943, 1945-56
7/12- 4P1	11248	7/12- 4A		1939-46
4P2	11248A	4B		1939-57
15F1	11259B	15C		1942-57
15F2	9950	15D		1943-45, 1947-55, 1957-60
22A1 ^{7/}	9962	22A B		1941-52
22A2				1953-54, 1956-57
29P1	9923	29A		1939-43, 1945-47, 1949-52
34E1				1941, 1944, 1947-52
34H1	9964	34A	DGT-167	1921-47
7/13-11B1	11162A	7/13-11B		1942-56
11B2				1945
11B3				1945, 1949
11A1	11168	11A		1939-45, 1951-52, 1954
35E1		35A		1937-53

See footnotes at end of table.

USGS	:	F	:	Old DWR	:	DGT and HRJ	:	Records available
number	:	number	:	number	:	number	:	(years)

5/3-	2.1	12393	8/9-	2B				1941
	2Q1	12903		2A				1941
	4G1	12363		4D				1941
	4H1	12878		4A				1941
	4L1	12368A		4C				1941
	4N1	1259A		4E				1941, 1944-45
	4N2	12355		4I				1941-54
	4N3 ^{2/}	12358A		4H				1941-45
	4P1	12069		4B				1941-43, 1945-54, 1956-58
	6D2	12818	8/10-	1A				1941
	6F1	12328B	8/9-	6C				1941, 1950-52, 1959-60
	6F2	12328A		6B				1941
	6F3	12328		6A				1941
	6N1	12829		6D				1941-53
	6R1	12839A		6F				1942-43, 1945-47, 1949
	6R2	12839		6E				1941-44
8/10-	2P1	12799	8/10-	2A				1941-59
	8R3	11440B		8C				1947-54, 1956-59
	8F4	11440		8A	DGT-161			1921-27
	9:1	11450		9A	DGT-162			1921-50
	9P1 ^{2/}							1951-54, 1956-59
	19Q1	11423		19A				1939-59
	29D1	11433		29A				1938, 1940
	32N1	11436		32D				1948-54
8/11-	8P1	11320	8/11-	8A				1945-52
	10M1	11360		10A				1945-52
	20L1	11333		20A				1943-47
	22M1	11363		22B				1932-37, 1945
	22N2	11363A		22C				1936-37, 1946-43, 1946-47
	22N3	11363B		22A				1937, 1939-59
	30R1	11325A		30B				1941-57
8/12-	4:1	12548	8/12-	4B				1951-54, 1956-58
	5:1	12529						1941-44
	20:1	11222		20A				1941-56, 1959-60
	20:2	11222A		20B				1941-44, 1951-53, 1958-59
	21:1	11242		21A				1941-46
	22:1	11252		22A	HRJ-223 DGT- 37			1940-53
	22:2	11253		22B	DGT- 39			1943-59
	22:2	11253A		22C				1943-56
	22:2	11263		22D				1941-49, 1951-52
	22:2 ^{10/}	11263A		22E				1941, 1946
	23:1	11272		23A				1941-45
	24:1	11303		24A				1941-54
	30:1	11305		30B				1943-54
	32:1	11245A		32B				1943-44, 1951-52, 1954
	34:1	11205		34A				1941-42
	34:1	11260		34B				1942-44

See footnotes at end of table.

USGS number	F 1/ number	: Old DWR 2/ number	: DGT and HRJ 3/ number	: 4/ (years)	Records available
9/10-14C1		9/10-14A			1941
9/12-16P2	12533B	9/12-16A			1950-58
21D1	12533A	21A			1932-49
21D3	12533C	21D			1951-54, 1956-59
21D4	12533	21B	HRJ-69 DGT-21		1920-22, 1924-30, 1932

1. Los Angeles County Flood Control District numbers.
2. California Department of Water Resources numbers.
3. Numbers used by Thompson (1929) and Johnson (1911).
4. See table 3 for references to published water-level measurements; see table 1 or 5 for unpublished water-level measurements.
5. This well numbered 7/10-31B1 in Geological Survey Water-Supply Paper 991.
6. This well numbered 7/10-31M1 in Geological Survey Water-Supply Paper 1076.
7. This well numbered 7/12-22J1 in Geological Survey Water-Supply Paper 1023.
8. This well numbered 8/9-4M1 in Geological Survey Water-Supply Paper 1021.
9. This well numbered 8/10-2M1 in Geological Survey Water-Supply Paper 1196.
10. This well numbered 8/12-22A2 in Geological Survey Water-Supply Paper 1023.

Table 5.--Records of water levels in wells

(water levels are in feet below land-surface datum)

Table 5 includes all known unpublished records for wells having five or more water-level measurements; wells having less than five measurements are shown in table 1.

Altitudes given are in feet above mean sea level for the land-surface datum at the well. Land-surface datum is a plane of reference which approximates land surface. Altitudes given in whole feet are interpolated from topographic maps. Altitudes given in feet and tenths were determined by spirit leveling (from Corps of Engineers, U.S. Army, records or by Cyril Williams, Jr., engineer).

Measurements. Most of the water-level measurements were made by the U.S. Geological Survey; a few were made by the Corps of Engineers, U.S. Army, in 1948 or by Cyril Williams, Jr., engineer, in 1929 and 1930. All measurements of water level have been adjusted to depth below land-surface datum. That is, the altitudes of the measuring points as reported above or below land-surface datum have been subtracted from or added to the water-level measurements.

Depth of well. Depths given in whole feet are reported depths; depths given in feet and tenths were measured by the Geological Survey at the time of the field canvass.

7/9-17N1. W. H. Brown. Depth 324 ft. Altitude about 2,492 ft.

Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1950	154.67	Mar. 8, 1957	202.40	Mar. 12, 1958	184.42
Oct. 19, 1954	177.64	Nov. 14	189.33	Nov. 6	193.93

7/9-20N1. Depth 380 ft. Altitude about 2,505 ft. All measurements by owner.

Mar. 15, 1932	101	May 1, 1936	114	Aug. 28, 1942	132
July 4, 1935	114	Feb. 15, 1937	114	Dec. 16, 1948	150
Mar. 1, 1936	112	May 15, 1938	120		

7/10-2El. M. J. Hughes. Depth 403 ft. Altitude about 2,412 ft.

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	125.58	July 2, 1952	a151.50	Aug. 9, 1956	b162.92
Nov. 14	123.07	Aug. 4	132.58	Mar. 8, 1957	157.70
Dec. 19	120.58	Sept. 2	a154.9	Nov. 19	165.56
Jan. 14, 1952	120.34	Nov. 5	131.14	Mar. 12, 1958	164.26
Mar. 4	119.52	Jan. 5, 1953	127.48	Nov. 6	b182.82
Apr. 1	120.48	Mar. 13	130.07	Mar. 12, 1959	174.09
May 5	125.72	May 4, 1954	141.96	Dec. 8	179.35
		Oct. 18	149.32	Mar. 1, 1960	179.70

7/10-5El. Olin Dierek. Depth 601 ft. Altitude about 2,391 ft.

Apr. 25, 1951	169.39	Apr. 1, 1952	139.52	Sept. 2, 1952	185.1
Jan. 14, 1952	112.20	May 5	161.50	Oct. 3	176.20
Feb. 14	112.04	July 2	179.5	Nov. 5	160.48
Mar. 4	123.79	Aug. 4	185.7	Jan. 5, 1953	121.29

7/10-5Fl. R. S. Miller. Depth 384 ft. Altitude about 2,392 ft.

Oct. 23, 1956	182.37	Mar. 12, 1958	154.16	Mar. 12, 1959	172.37
Mar. 8, 1957	153.61	Nov. 6	170.52	Mar. 1, 1960	171.18

7/10-5N3. W. E. Henneman. Depth 980 ft. Altitude about 2,398 ft.

Jan. 23, 1951	118.74	Sept. 2, 1952	a237.37	Nov. 14, 1957	178.78
Mar. 6	127.36	Oct. 3	a230.51	Dec. 17	170.58
Oct. 3	185.79	Nov. 5	b170.22	Mar. 12, 1958	165.63
Nov. 14	151.86	Jan. 5, 1953	135.26	Apr. 10	166.32
Jan. 14, 1952	127.23	Mar. 13	148.90	May 15	215.87
Feb. 14	b122.88	Nov. 23, 1956	174.22	Nov. 6	189.70
Mar. 4	125.75	Mar. 8, 1957	159.50	Mar. 12, 1959	187.34
July 2	a231.6	Apr. 30	c206.45	Mar. 1, 1960	194.35
Aug. 4	194.03	Oct. 23	195.99		

See footnotes at end of table.

7/10-12H1. Charles Flesh. Depth 154.5 ft. Altitude about 2,449 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1951	142.63	Sept. 18, 1951	147.49	May 5, 1952	151.01
Apr. 10	143.18	Oct. 15	148.36	July 2	152.45
May 8	143.81	Nov. 14	149.23	Sept. 2	154.32
June 28	145.23	Dec. 19	149.54	Nov. 5	Dry
July 25	145.77	Jan. 14, 1952	149.99		
Aug. 22	146.79	Mar. 4	150.23		

7/10-17R1. Paul German. Depth 400 ft. Altitude about 2,453 ft.

Nov. 20, 1957	228.41	Nov. 6, 1958	229.18	Dec. 8, 1959	232.46
Mar. 12, 1958	221.32	Mar. 12, 1959	238.12	Mar. 1, 1960	229.54

7/10-311A. G. J. Stoddard. Depth 365 ft. Altitude about 2,505 ft.

Mar. 23, 1951	212.33	Nov. 14, 1957	288.87	Mar. 12, 1959	293.85
Oct. 15, 1956	287.20	Mar. 12, 1958	287.08	Dec. 8	297.40
Mar. 8, 1957	288.68	Nov. 6	294.10	Jan. 1, 1960	298.93

7/10-34Q1. Ernest Markov. Depth 310 ft. Altitude about 2,542 ft.

Mar. 12, 1958	277.63	Mar. 12, 1959	280.52	Mar. 1, 1960	291.10
Nov. 6	280.34	Dec. 9	289.00		

7/11-6A1. R. Owens. Depth 84.0 ft, after May 5, 1952, depth 130 ft. Altitude about 2,351 ft.

Oct. 10, 1951	59.77	June 2, 1952	64.5	Aug. 9, 1956	72.51
Nov. 14	59.86	July 2	67.72	Oct. 23	73.02
Dec. 22	60.12	Aug. 4	68.27	Mar. 8, 1957	73.01
Jan. 14, 1952	60.41	Sept. 2	69.38	Nov. 14	73.12
Feb. 11	60.55	Oct. 3	69.21	Mar. 11, 1958	74.74
Mar. 4	60.75	Nov. 5	69.43	Nov. 6	75.71
Apr. 4	60.78	Jan. 5, 1953	67.86	Mar. 9, 1959	76.00
May 5	60.99	Mar. 13	68.43	Dec. 2	77.03
				Mar. 1, 1960	77.81

7/11-10W1. Becentro. Depth 169.0 ft. Altitude about 2,394 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1951	b127.41	Feb. 14, 1952	128.10	Mar. 13, 1953	135.37
Apr. 10	b130.18	Mar. 3	128.32	May 4, 1954	b148.72
May 8	b131.29	Apr. 3	b130.29	Aug. 9, 1956	151.96
June 28	b134.96	May 5	b133.69	Oct. 23	b158.92
July 25	135.02	June 2	133.30	Mar. 8, 1957	149.68
Aug. 22	133.26	July 2	b138.91	Nov. 14	153.61
Sept. 18	133.48	Aug. 4	b144.40	Mar. 11, 1958	150.30
Oct. 15	133.21	Sept. 2	138.10	Nov. 6	155.63
Nov. 14	131.66	Oct. 3	138.45	Mar. 9, 1959	b169.69
Dec. 19	129.75	Nov. 5	137.62	Dec. 2	163.20
Jan. 14, 1952	129.09	Jan. 5, 1953	134.44	Mar. 1, 1960	153.93

7/11-13Q1. Perry Hankins. Depth 570 ft. Altitude about 2,434 ft.

Oct. 23, 1956	217.32	July 16, 1957	228.28	Dec. 17, 1957	209.45
Nov. 28	208.73	Oct. 23	224.17	Nov. 6, 1958	225.24
Feb. 28, 1957	206.34	Nov. 14	211.92	Dec. 8, 1959	210.33

7/11-19Q1. L. A. Harter. Depth 401 ft. Altitude about 2,418 ft.

Oct. 17, 1951	177.09	Mar. 8, 1957	183.41	Mar. 9, 1959	183.54
Nov. 14	171.60	Nov. 12	137.20	Dec. 2	196.00
Mar. 4, 1952	b157.38	Mar. 10, 1958	179.13	Jan. 1, 1960	178.72
Oct. 23, 1956	194.12	Nov. 4	108.85		

7/11-24C1. T. D. Kyle. Depth 210 ft. Altitude about 2,433 ft.

Mar. 27, 1951	159.90	Apr. 3, 1952	166.92	Oct. 3, 1952	101.65
Oct. 19	170.36	May 5	163.53	Nov. 5	179.10
Nov. 14	170.27	June 2	170.27	Jan. 5, 1953	163.62
Jan. 14, 1952	167.93	July 2	174.60	Mar. 13	175.99
Feb. 14	166.64	Aug. 4	179.10	May 4, 1954	Destroyed
Mar. 5	166.69	Sept. 2	181.50		

7/11-33W1. Altitude about 2,473 ft.

Nov. 17, 1951	215.39	Mar. 8, 1957	237.55	Nov. 4, 1958	250.20
Oct. 21, 1954	232.49	Nov. 12	243.17	Mar. 12, 1959	244.72
Oct. 15, 1956	243.50	Mar. 10, 1959	234.80	Dec. 9	251.93

See footnotes at end of table.

7/12-12D1. J. H. Siegler. Depth 63.0 ft. Altitude about 2,350 ft.

Date	Water level	Date	Water level	Date	Water level
Apr. 10, 1951	52.29	Nov. 14, 1951	52.99	Aug. 4, 1952	57.68
May 8	53.84	Dec. 22	51.48	Sept. 2	59.53
June 28	55.68	Jan. 14, 1952	50.94	Oct. 3	58.02
July 25	56.86	Feb. 14	50.47	Nov. 5	56.18
Aug. 22	56.74	Mar. 3	50.58	Jan. 5, 1953	53.43
Sept. 18	57.74	Apr. 3	51.06	Mar. 12	53.80
Oct. 15	56.28	May 5	55.57	May 4, 1954	60.84
Nov. 9	53.47	July 2	57.13	Aug. 10, 1956	Dry

7/12-13F1. A. M. Klingele. Depth 552 ft. Altitude about 2,382 ft.

Mar. 11, 1958	125.96	Mar. 9, 1959	132.28	Mar. 1, 1960	134.85
Nov. 6	134.80	Dec. 9	136.74		

7/12-15F2. Los Angeles County Water Works District, well 4. Depth 599.7 ft. Altitude about 2,355 ft.

Oct. 20, 1954	142.10	Mar. 10, 1958	105.46	Dec. 2, 1959	118.76
Mar. 8, 1957	102.03	Nov. 4	118.58	Mar. 1, 1960	108.52
Nov. 12	108.99	Mar. 9, 1959	121.00		

7/12-25M1. Altitude about 2,455 ft.

Oct. 17, 1951	178.44	Nov. 18, 1957	203.09	Dec. 2, 1959	210.03
Nov. 14	179.98	Nov. 6, 1958	200.75	Mar. 1, 1960	209.60
Mar. 4, 1952	176.64	Mar. 9, 1959	205.60		

7/12-26P1. W. S. Hancock. Depth 407 ft. Altitude about 2,447 ft.

Oct. 21, 1954	181.89	Nov. 12, 1957	194.58	Dec. 2, 1959	203.10
Oct. 15, 1956	193.51	Mar. 11, 1958	190.74	Mar. 1, 1960	200.00
Mar. 11, 1957	186.81	Nov. 6	199.17		

See footnotes at end of table.

8/9-4P1. U.S. Air Force. Depth 127.3 ft. Altitude 2,305.1 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1948	23.6	Mar. 4, 1952	26.84	July 16, 1957	32.64
May 17	25.39	Apr. 17	26.90	Aug. 14	32.78
Nov. 8	25.79	Sept. 3	27.36	Sept. 24	33.29
Apr. 10, 1951	26.05	Nov. 3	27.58	Oct. 16	33.40
May 7	26.17	Mar. 13, 1953	27.80	Nov. 13	33.50
July 25	26.37	May 4, 1954	29.00	Dec. 17	33.55
Aug. 21	26.44	Aug. 10, 1956	31.75	Mar. 11, 1958	33.39
Sept. 13	26.56	Oct. 23	31.77	Apr. 9	33.90
Oct. 16	26.61	Nov. 28	32.21	May 15	34.03
Nov. 15	26.74	Mar. 1, 1957	32.22	Nov. 5	Destroyed
Dec. 19	26.73	Apr. 30	32.27		
Jan. 16, 1952	26.76	June 6	32.45		

8/9-5F1. U.S. Air Force. Depth 17.6 ft. Altitude 2,293.5 ft.

Nov. 3, 1950	10.90	Mar. 4, 1952	9.34	Mar. 3, 1960	16.2
Oct. 3, 1951	12.73	Nov. 6	11.75		
Nov. 15	11.74	Mar. 11, 1959	15.19		

8/9-6M1. U.S. Air Force. Depth 170 ft in 1951. Altitude about 2,301 ft.

Jan. 22, 1948	11.5	Aug. 21, 1951	13.88	May 6, 1952	13.82
Jan. 24, 1951	13.16	Sept. 18	13.69	Sept. 3	14.16
Mar. 1	14.24	Oct. 16	13.83	Nov. 3	14.20
Apr. 10	14.28	Nov. 15	13.78	Mar. 13, 1953	14.26
May 7	13.52	Dec. 19	13.68	May 4, 1954	Destroyed
June 25	11.70	Jan. 16, 1952	13.66		
July 25	13.78	Mar. 4	13.74		

8/9-8B1. U.S. Air Force. Depth 247.0 ft in 1950. Altitude about 2,300 ft.

Jan. 22, 1948	17.4	Nov. 15, 1951	22.91	Oct. 17, 1956	Destroyed
May 17, 1950	19.70	Mar. 4, 1952	21.94		
Nov. 8	21.09	Oct. 8, 1954	24.84		

See footnotes at end of table.

8/10-2M1. U.S. Air Force. Depth 62.5 ft in 1951. Altitude about 2,308 ft

Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1950	a23.48	Aug. 21, 1951	22.62	Jan. 16, 1952	20.79
Feb. 28, 1951	20.34	Sept. 18	c22.82	Mar. 4	21.12
Apr. 10	21.65	Oct. 16	22.40	Mar. 11, 1959	Destroyed
May 7	21.93	Nov. 15	21.85		
July 25	23.60	Dec. 19	21.41		

8/10-2P1. U.S. Air Force. Depth 234.9 ft. Altitude about 2,310 ft.

Jan. 17, 1952	25.09	Jan. 5, 1953	29.05	Oct. 23, 1957	43.47
Feb. 14	24.71	Mar. 13	29.51	Nov. 13	43.02
Mar. 5	25.24	May 4, 1954	32.18	Dec. 17	42.70
Apr. 3	25.35	Aug. 10, 1956	43.13	Mar. 11, 1958	42.12
May 6	26.85	Oct. 23	42.82	Apr. 9	42.19
June 2	27.56	Nov. 28	42.52	May 15	45.48
July 2	29.10	Mar. 1, 1957	42.65	Nov. 6	48.47
Aug. 4	29.56	Apr. 30	43.75	Mar. 12, 1959	46.23
Sept. 2	30.89	June 6	46.10	Apr. 9	46.29
Oct. 3	30.98	Aug. 15	46.99	Dec. 4	50.10
Nov. 5	30.03	Sept. 25	47.49	Mar. 4, 1960	48.78

8/10-4G1. U.S. Air Force. Depth 91.4 ft. Altitude about 2,300 ft.

Dec. 28, 1950	32.95	Feb. 14, 1952	32.27	Mar. 1, 1957	44.97
Jan. 9, 1951	31.72	Mar. 4	32.97	June 5	50.20
Feb. 9	31.25	Apr. 1	34.02	July 16	52.52
Mar. 13	32.36	May 5	39.40	Aug. 15	53.38
Apr. 10	35.48	June 2	42.02	Sept. 24	53.82
May 3	37.31	July 2	45.74	Oct. 23	53.29
June 6	40.57	Aug. 4	49.10	Nov. 13	52.05
28	42.07	Sept. 2	51.01	Dec. 16	52.32
July 25	44.41	Oct. 3	51.14	Mar. 11, 1958	47.59
Aug. 22	45.53	Nov. 6	46.43	Apr. 10	47.65
Sept. 17	48.05	Jan. 5, 1953	38.84	30	48.50
Oct. 15	46.33	Mar. 13	39.28	May 15	48.70
Nov. 16	40.94	May 4, 1954	40.80	Nov. 6	56.60
Dec. 19	36.69	Aug. 10, 1956	50.94	Mar. 12, 1959	50.66
Jan. 14, 1952	34.28	Sept. 13	51.52	Dec. 8	62.84
				Mar. 9, 1960	55.56

See footnotes at end of table.

5/10-8N1. U.S. Air Force. Depth 740 ft. Altitude about 2,316 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1953	62.93	Mar. 1, 1957	71.80	Dec. 17, 1957	81.73
May 4, 1954	69.44	Apr. 30	79.67	Mar. 11, 1958	74.60
Oct. 13	82.46	June 6	87.11	Apr. 10	75.43
Aug. 10, 1956	90.16	July 16	90.79	May 15	79.94
Oct. 23	104.61	Aug. 15	92.07	Nov. 6	90.73
Nov. 23	83.03	Oct. 23	91.53	Mar. 12, 1959	79.02
				Mar. 4, 1960	87.83

8/10-8N2. U.S. Air Force. Depth 240 ft. Altitude about 2,316 ft.

Jan. 17, 1951	36.35	June 2, 1952	51.64	June 6, 1957	53.82
Apr. 10	41.61	July 2	51.35	July 16	52.54
May 8	41.48	Aug. 4	54.82	Aug. 15	52.72
June 26	42.88	Sept. 2	55.92	Sept. 25	52.97
July 25	45.50	Oct. 3	51.69	Oct. 23	52.43
Aug. 22	47.82	Nov. 6	44.70	Nov. 13	52.41
Sept. 19	46.14	Jan. 5, 1953	42.31	Dec. 17	52.72
Oct. 15	49.95	Mar. 13	43.67	Mar. 11, 1958	51.97
Nov. 16	42.47	May 4, 1954	46.83	Apr. 10	50.59
Dec. 19	40.23	Oct. 18	48.25	May 15	54.19
Jan. 14, 1952	39.68	Aug. 10, 1956	51.33	Nov. 6	54.78
Feb. 14	43.42	Oct. 23	64.45	Mar. 12, 1959	54.90
Mar. 4	44.57	Nov. 28	60.97	Apr. 8	55.42
Apr. 1	46.40	Mar. 1, 1957	50.12	Dec. 8	56.34
May 5	47.16	Apr. 30	51.69	Mar. 4, 1960	61.18

6/10-8R3. U.S. Air Force. Depth 230 ft. Altitude about 2,318 ft.

Jan. 17, 1951	35.61	Apr. 10, 1958	50.32	May 5, 1959	53.13
Oct. 13, 1954	44.75	30	51.01	June 9	53.50
Nov. 21, 1956	43.54	May 15	51.22	July 11	53.77
Mar. 1, 1957	48.18	June 17	51.60	Aug. 4	53.83
Apr. 30	51.93	July 17	51.95	Sept. 10	54.16
June 30	54.09	Aug. 19	52.16	Oct. 7	54.26
July 16	57.39	Sept. 19	52.43	Nov. 13	54.01
Aug. 15	50.39	Nov. 3	52.22	Dec. 15	53.98
Sept. 25	50.69	Dec. 9	52.03	Jan. 17, 1960	53.94
Oct. 23	52.74	Jan. 13, 1959	52.03	Feb. 26	54.28
Nov. 13	52.19	Feb. 10	52.07	Mar. 29	54.71
Dec. 17	50.16	Mar. 12	52.34		
Mar. 11, 1958	50.09	Apr. 3	52.85		

See footnotes at end of table.

8/10-9P1. U.S. Air Force. Depth 250 ft. Altitude about 2,321 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1951	32.84	Sept. 2, 1952	37.55	Aug. 15, 1957	44.56
Oct. 7	35.45	Oct. 3	37.82	Sept. 25	44.78
16	35.76	Nov. 6	37.55	Oct. 23	44.76
Nov. 16	35.32	Jan. 5, 1953	37.10	Nov. 13	44.48
Dec. 19	35.12	Mar. 13	37.09	Dec. 17	44.86
Jan. 14, 1952	35.97	May 4, 1954	38.85	Mar. 11, 1958	45.07
Mar. 4	34.81	Oct. 23, 1956	42.14	Apr. 10	45.21
Apr. 1	34.79	Nov. 28	42.24	May 15	45.55
May 5	35.90	Mar. 1, 1957	43.42	Nov. 6	46.47
June 2	36.04	Apr. 30	44.90	Mar. 12, 1959	46.83
July 2	36.65	June 6	44.10	Apr. 8	47.09
Aug. 4	37.16	July 16	44.36	Dec. 8	45.33
				Mar. 4, 1960	46.65

8/10-13A1. U.S. Air Force. Depth 41.2 ft. Altitude about 2,324 ft.

Nov. 16, 1951	37.26	Nov. 6, 1952	39.89	Mar. 21, 1960	Dry
Mar. 4, 1952	35.63	Apr. 13, 1953	39.96		

8/10-14E1. U.S. Air Force. Depth 250 ft. Altitude about 2,333 ft.

Oct. 23, 1956	48.30	Aug. 15, 1957	50.26	Apr. 10, 1958	50.70
Nov. 28	48.26	Sept. 25	50.24	May 15	51.21
Feb. 28, 1957	50.51	Oct. 23	50.40	Nov. 6	52.38
Apr. 30	49.16	Nov. 14	50.25	Mar. 12, 1959	52.88
June 6	50.49	Dec. 17	50.39	Dec. 3	57.70
July 16	49.78	Mar. 11, 1958	50.64	Mar. 4, 1960	55.14

8/10-14Z2. U.S. Air Force. Depth 250 ft. Altitude about 2,333 ft.

May 22, 1951	43.04	Mar. 5, 1952	35.15	Mar. 21, 1960	64.20
Nov. 16	41.83	Nov. 6	44.31		

8/10-18Q1. U.S. Air Force. Depth 367.4 ft in 1951. Altitude about 2,327 ft.

May 24, 1951	673.36	Mar. 4, 1952	63.19	Apr. 13, 1953	69.58
Nov. 16	65.92	Nov. 6	67.72	Mar. 22, 1960	Destroyed

See footnotes at end of table.

3/10-1953. G. L. Prothro. Depth 282.4 ft. Altitude about 2,337 ft.

Date	Water level	Date	Water level	Date	Water level
May 25, 1951	133.16	June 6, 1957	123.83	Nov. 14, 1957	107.56
Oct. 23, 1956	131.72	July 16	130.34	Dec. 17	102.91
Nov. 28	106.84	Aug. 15	128.63	Mar. 11, 1958	101.67
Feb. 28, 1957	99.39	Sept. 25	131.06	Apr. 10	102.23
Apr. 30	125.41	Oct. 23	115.42		

8/10-1954. G. L. Prothro. Depth 198.4 ft. Altitude about 2,338 ft.

May 25, 1951	120.72	Oct. 3, 1952	131.54	Aug. 15, 1957	121.97
Nov. 14	98.75	Nov. 6	103.80	Sept. 25	122.70
Dec. 19	39.64	Jan. 5, 1953	91.03	Oct. 23	115.99
Jan. 14, 1952	87.68	Mar. 13	111.10	Nov. 14	109.01
Feb. 14	85.68	Oct. 18, 1954	118.03	Dec. 17	104.23
Mar. 4	96.79	Sept. 14, 1956	129.10	Mar. 11, 1958	102.24
Apr. 1	104.80	Oct. 23	119.94	Apr. 10	102.83
May 5	117.36	Nov. 28	108.79	May 15	116.43
June 2	127.3	Feb. 28, 1957	100.18	Nov. 6	111.52
July 2	130.3	Apr. 30	124.09	Mar. 12, 1959	114.38
Aug. 4	130.9	June 6	120.60	Dec. 8	111.99
Sept. 2	129.4	July 16	125.54	Mar. 4, 1960	118.25

8/10-1952. G. L. Prothro. Altitude about 2,341 ft.

Oct. 23, 1956	105.70	Apr. 30, 1957	138.22	Sept. 25, 1957	141.53
Nov. 28	106.51	June 6	138.80		
Feb. 28, 1957	103.38	July 16	147.56		

3/10-1961. G. L. Prothro. Depth 690 ft. Altitude about 2,342 ft.

Jan. 19, 1951	73.08	June 2, 1952	a179.5	Oct. 18, 1954	136.35
Mar. 5	85.03	July 2	a233.4	Oct. 23, 1957	121.47
Nov. 14	117.27	Aug. 4	a237.69	Mar. 11, 1958	91.50
Dec. 19	92.61	Sept. 2	a250.4	Apr. 10	90.92
Jan. 14, 1952	83.48	Oct. 3	a241.55	May 15	93.58
Feb. 14	77.23	Nov. 6	a221.75	Nov. 6	104.51
Mar. 4	83.56	Jan. 5, 1953	92.45	Mar. 12, 1959	93.56
Apr. 1	99.03	Mar. 13	104.60	Dec. 8	102.49
				Mar. 4, 1960	101.77

See footnotes at end of table.

8/10-23Fl. Frey. Depth 250 ft. Altitude about 2,350 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1951	53.87	Jan. 14, 1952	56.93	May 4, 1954	b75.98
Mar. 6	54.47	Feb. 14	56.86	Oct. 18	67.36
Apr. 10	56.02	Mar. 5	57.25	Oct. 17, 1956	b79.86
May 7	55.92	May 5	58.84	Mar. 8, 1957	b78.74
June 28	57.32	June 2	59.82	Nov. 14	74.22
July 25	57.30	Aug. 4	60.73	Mar. 11, 1958	74.44
Aug. 21	58.24	Sept. 2	61.96	Nov. 6	77.93
Sept. 13	58.42	Oct. 3	61.96	Mar. 12, 1959	b85.95
Oct. 15	58.62	Nov. 5	60.80	Dec. 8	81.32
Nov. 14	59.15	Jan. 5, 1953	60.17	Mar. 4, 1960	81.60
Dec. 19	57.08	Mar. 13	61.22		

8/10-28Bl. Peglesoto. Depth 215.0 ft. Altitude about 2,358 ft.

Jan. 23, 1951	66.75	Apr. 1, 1952	b74.82	Apr. 30, 1957	96.84
Mar. 6	68.78	May 5	76.29	June 6	97.30
Apr. 10	b75.30	June 2	81.51	July 16	98.25
May 5	77.32	July 2	85.98	Aug. 15	98.5-
June 28	77.50	Aug. 4	89.86	Sept. 25	98.73
July 25	79.35	Sept. 2	93.06	Oct. 23	97.50
Aug. 22	79.71	Oct. 3	94.35	Nov. 14	97.49
Sept. 19	77.60	Nov. 5	83.10	Dec. 17	96.20
Oct. 15	77.39	Jan. 5, 1953	77.05	Mar. 11, 1958	94.99
Nov. 14	72.95	Mar. 13	82.13	Apr. 10	95.79
Dec. 19	71.30	May 4, 1954	93.44	May 15	98.50
Jan. 14, 1952	70.74	Oct. 23, 1956	95.72	Nov. 6	99.83
Feb. 14	70.41	Nov. 28	94.15	Mar. 12, 1959	99.63
Mar. 4	71.23	Feb. 23, 1957	92.64	Dec. 8	102.56
				Mar. 4, 1960	103.45

8/10-32Q1. A. F. Batz & Sons. Depth 343 ft. Altitude about 2,383 ft.

Apr. 25, 1951	137.25	Oct. 15, 1956	149.40	Mar. 12, 1958	132.81
Nov. 15	119.80	Mar. 8, 1957	c141.22		
Mar. 4, 1952	111.83	Nov. 14	145.86		

2/11-1Q1. U.S. Air Force. Depth 49.5 ft. Altitude about 2,300 ft.

Jan. 16, 1951	27.60	Mar. 4, 1952	29.94	Apr. 14, 1953	31.90
Nov. 16	30.64	Nov. 6	32.75	May 1, 1958	33.19

See footnotes at end of table.

8/11-7M1. U.S. Air Force. Depth 169.0 ft in 1951. Altitude about 2,286 ft.

Date	Water level	Date	Water level	Date	Water level
May 2, 1951	11.20	Mar. 4, 1952	15.50	June 5, 1952	15.19
Oct. 15	23.64	Apr. 4	13.79	July 3	17.09
Feb. 1, 1952	17.88	May 5	13.90	Mar. 1, 1960	Destroyed

8/11-8F1. U.S. Air Force. Depth 283.1 ft in 1951. Altitude about 2,283 ft.

May 1, 1951	7.37	Mar. 4, 1952	12.57	Mar. 12, 1953	16.62
Nov. 16	19.69	Nov. 6	22.70	May 2, 1953	Destroyed

8/11-8P1. U.S. Air Force. Depth 27.0 ft. Altitude about 2,291 ft.

Feb. 28, 1951	18.97	Sept. 19, 1951	dry	June 5, 1952	23.12
Apr. 10	16.92	Feb. 1, 1952	26.19	July 3	25.19
May 3	18.50	15	25.02	Sept. 3	Dry
June 28	21.89	Mar. 4	23.56		
July 25	24.50	Apr. 4	21.60		
Aug. 22	26.79	May 5	21.62		

8/11-8Q1. U.S. Air Force. Altitude about 2,291 ft.

May 2, 1951	10.54	Feb. 1, 1952	10.77	Mar. 4, 1952	10.76
Dec. 22	10.74	15	10.78	May 3, 1954	12.30
				May 2, 1958	Destroyed

8/11-8Q2. U.S. Air Force. Depth 344.9 ft in 1951. Altitude about 2,291 ft.

May 2, 1951	1.32	Feb. 15, 1952	1.26	Aug. 11, 1952	0.44
Dec. 22	.19	Mar. 4	1.12	Nov. 6	.70
Feb. 1, 1952	1.48	June 5	+1.13	May 3, 1954	+1.19
				May 2, 1958	Destroyed

8/11-10E1. U.S. Air Force. Depth 612 ft in 1951. Altitude about 2,289 ft

Date	Water level	Date	Water level	Date	Water level
May 2, 1951	36.47	Mar. 4, 1952	40.46	Oct. 3, 1952	37.22
Sept. 19	39.38	Apr. 4	38.88	Nov. 6	37.62
Oct. 15	40.42	May 5	38.81	Jan. 19, 1953	37.09
Nov. 16	41.73	June 5	37.93	Mar. 12	35.80
Dec. 22	40.82	July 3	39.70	May 3, 1954	Destroyed
Feb. 1, 1952	44.67	Aug. 11	36.62		
15	42.70	Sept. 3	38.36		

8/11-10N1. U.S. Air Force. Altitude about 2,301 ft.

Feb. 28, 1951	34.85	May 8, 1951	49.05	July 25, 1951	43.59
Apr. 10	36.59	June 28	42.50	May 3, 1954	37.83
				Oct. 18	39.59

8/11-12R1. U.S. Air Force. Depth 200 ft in 1951. Altitude about 2,312 ft

Jan. 19, 1951	41.32	Nov. 16, 1951	44.85	May 5, 1952	Destroyed
Mar. 6	41.24	Jan. 14, 1952	43.85		

8/11-14N1. U.S. Air Force. Depth 77.0 ft. Altitude about 2,312 ft.

Aug. 23, 1951	41.07	Sept. 3, 1952	47.61	July 16, 1957	65.69
Nov. 16	43.62	Oct. 3	50.04	Aug. 15	66.29
Dec. 22	43.77	Jan. 19, 1953	50.50	Sept. 25	66.79
Jan. 30, 1952	43.65	Mar. 12	49.90	Oct. 23	67.05
Feb. 15	43.05	May 3, 1954	60.00	Nov. 14	66.84
Mar. 4	42.79	Sept. 13, 1956	64.24	Mar. 11, 1958	66.07
Apr. 3	42.40	Oct. 23	67.95	Apr. 10	65.87
May 6	42.09	Nov. 28	64.82	May 15	66.31
June 5	42.31	Feb. 28, 1957	64.54	Nov. 6	68.13
July 3	42.94	Apr. 30	64.60	Mar. 12, 1959	68.30
Aug. 11	45.73	June 6	64.80	Dec. 8	68.61
				Mar. 4, 1960	70.78
				22	69.65

8/11-14R2. U.S. Air Force. Depth 205 ft. Altitude about 2,317 ft.

Date	Water level	Date	Water level	Date	Water level
July 3, 1952	101.98	May 3, 1954	98.07	Mar. 11, 1958	87.01
Aug. 11	93.42	Oct. 18	91.95	Nov. 6	90.54
Oct. 3	101.32	Sept. 13, 1956	94.83	Mar. 12, 1959	93.75
Nov. 6	84.32	Oct. 15	95.53	Apr. 8	94.49
Jan. 19, 1953	78.90	Mar. 8, 1957	85.05	Dec. 8	90.60
Mar. 12	87.70	Nov. 14	87.37	Mar. 4, 1960	96.20

8/11-15E2. U.S. Air Force. Depth 189.6 ft. Altitude about 2,298 ft.

May 3, 1951	16.75	Mar. 4, 1952	18.18	Apr. 14, 1953	18.49
Nov. 16	16.40	Nov. 6	17.42	May 2, 1958	28.23

8/11-15Q1. U.S. Air Force. Depth 179.2 ft. Altitude about 2,307 ft.

Nov. 6, 1952	77.98	May 2, 1958	87.20	Apr. 8, 1959	89.89
May 3, 1954	84.96	Mar. 12, 1959	88.16	Mar. 4, 1960	90.29

8/11-15R1. U.S. Air Force. Depth 520 ft in 1951. Altitude about 2,309 ft.

Aug. 23, 1951	76.31	Mar. 4, 1952	68.33	May 2, 1958	Destroyed
Nov. 16	70.50	Nov. 6	78.07		

8/11-17A1. U.S. Air Force. Depth about 30 ft. Altitude about 2,295 ft.

May 2, 1951	11.75	Mar. 4, 1952	12.32	Nov. 14, 1957	15.70
Nov. 6	11.84	Mar. 8, 1957	15.26	Mar. 11, 1958	15.70

8/11-18L1. U.S. Air Force. Depth 195.3 ft. Altitude about 2,297 ft.

May 2, 1951	1.55	June 5, 1952	7.29	May 2, 1958	3.56
Mar. 4, 1952	1.50	Sept. 3	1.82	Mar. 9, 1959	3.19
Apr. 4	1.47	Nov. 6	1.52	Mar. 9, 1960	4.27
May 5	111.98	Jan. 19, 1953	1.49		

8/11-18Q1. U.S. Air Force. Depth 268.2 ft. Altitude about 2,293 ft.

Date	Water level	Date	Water level	Date	Water level
May 2, 1951	23.58	Nov. 6, 1952	37.32	Mar. 9, 1959	56.32
Mar. 4, 1952	28.78	May 2, 1953	53.40	Mar. 9, 1960	61.95

8/11-20Q1. U.S. Air Force. Depth 180.3 ft in 1951. Altitude about 2,316 ft.

May 3, 1951	62.94	Apr. 4, 1952	62.51	Nov. 6, 1952	71.03
Nov. 16	62.74	May 5	65.19	Jan. 19, 1953	63.24
Jan. 30, 1952	60.51	June 2	66.45	Mar. 12	65.59
Feb. 15	60.15	July 3	66.53	May 2, 1958	Destroyed
Mar. 4	60.59	Aug. 11	68.55		

8/11-22N3. Harold Anderson. Depth 144.2 ft. Altitude about 2,318 ft.

Feb. 28, 1951	83.65	May 5, 1952	95.13	Feb. 28, 1957	103.10
Apr. 10	86.64	June 2	98.23	Apr. 30	104.53
May 8	89.99	July 3	100.16	June 6	106.48
June 29	894.08	Aug. 11	100.98	July 16	107.00
July 25	95.29	Sept. 3	101.63	Sept. 25	108.40
Aug. 22	93.85	Oct. 3	98.70	Oct. 23	106.81
Sept. 18	95.70	Nov. 6	95.98	Nov. 14	106.68
Oct. 15	94.94	Jan. 19, 1953	91.56	Mar. 11, 1958	103.27
Nov. 14	91.02	Mar. 12	98.62	Apr. 10	102.28
Dec. 22	891.12	May 3, 1954	105.04	May 15	104.68
Jan. 30, 1952	88.93	Oct. 18	105.47	Nov. 6	104.28
Feb. 15	87.43	Sept. 14, 1956	109.48	Mar. 12, 1959	104.54
Mar. 4	88.91	Oct. 23	109.52	Dec. 8	107.90
Apr. 3	894.70	Nov. 28	106.06	Mar. 4, 1960	106.68

8/11-23N1. Thornton Hee. Depth 226 ft. Altitude about 2,326 ft.

Nov. 17, 1951	131.83	Feb. 15, 1952	106.36	July 3, 1952	140.7
Jan. 30, 1952	108.03	Mar. 4	116.71		

See footnotes at end of table.

8/11-23R2. Joseph Firsick. Depth 293.2 ft. Altitude about 2,331 ft.

Date	Water level	Date	Water level	Date	Water level
Aug. 24, 1951	182.01	Oct. 23, 1956	140.12	Nov. 14, 1957	124.62
Aug. 11, 1952	157.69	Nov. 28	126.79	Dec. 17	118.77
Sept. 3	162.09	Feb. 23, 1957	114.09	Mar. 11, 1958	126.93
Oct. 3	159.77	Apr. 30	155.98	Apr. 10	116.58
Nov. 6	123.24	June 6	157.97	May 15	149.80
Jan. 19, 1953	105.76	July 16	159.59	Nov. 6	126.92
Mar. 12	127.97	Aug. 15	157.85		
May 3, 1954	154.16	Sept. 25	157.25		
Sept. 14, 1956	159.46	Oct. 23	132.54		

8/11-24E2. Depth 182.3 ft. Altitude about 2,326 ft.

Aug. 22, 1951	131.08	Mar. 4, 1952	96.41	Apr. 14, 1953	114.83
Nov. 17	97.83	Nov. 6	103.05		

8/11-27R1. J. P. Atkins. Depth 288 ft. Altitude about 2,341 ft.

Sept. 21, 1951	166.06	Aug. 11, 1952	a249.1	Nov. 14, 1957	154.11
Nov. 17	141.10	Sept. 3	a255.6	Mar. 11, 1958	144.53
Jan. 30, 1952	118.33	Nov. 6	150.5	Nov. 6	155.99
Feb. 15	115.98	Jan. 19, 1953	126.11	Mar. 12, 1959	166.75
Mar. 4	122.00	Oct. 18, 1954	132.38		
July 3	a252.7	Oct. 17, 1956	188.78		

8/11-30R1. Altitude about 2,330 ft.

Feb. 28, 1951	39.01	Dec. 22, 1951	40.11	Oct. 3, 1952	40.75
Apr. 10	39.16	Jan. 30, 1952	39.93	Jan. 19, 1953	40.88
May 8	39.25	Feb. 15	39.97	Mar. 12	41.01
June 28	39.40	Mar. 4	40.03	May 3, 1954	42.13
July 25	39.51	Apr. 4	40.03	Aug. 10, 1956	45.68
Aug. 22	39.56	May 5	40.15	Oct. 23	45.38
Sept. 13	39.75	June 5	40.28	Mar. 8, 1957	45.45
Oct. 3	39.82	July 3	40.45	Nov. 14	45.72
15	39.85	Aug. 11	40.67	Mar. 11, 1958	Destroyed
Nov. 14	39.97	Sept. 3	40.72		

See footnotes at end of table.

8/11-34D2. J. E. Young. Depth 250.5 ft. Altitude about 2,340 ft.

Date	Water level	Date	Water level	Date	Water level
Sept. 21, 1951	145.8	May 5, 1952	128.98	Oct. 23, 1956	153.42
Nov. 17	126.33	July 3	149.8	Mar. 8, 1957	b144.82
Dec. 22	118.01	Aug. 11	148.07	Nov. 14	149.33
Jan. 30, 1952	112.18	Sept. 3	149.46	Mar. 11, 1958	143.00
Feb. 15	110.89	Oct. 3	b154.24	Nov. 6	143.40
Mar. 4	112.08	Nov. 6	136.19	Mar. 12, 1959	b155.87
Apr. 3	129.15	Jan. 19, 1953	119.07	Dec. 8	148.77
				Mar. 3, 1960	b153.65

8/11-34R2. Altitude about 2,358 ft.

Nov. 17, 1951	147.71	Mar. 8, 1957	159.79	Nov. 6, 1958	170.74
Mar. 4, 1952	142.72	Nov. 14	164.97	Mar. 12, 1959	177.84
Mar. 17, 1956	177.62	Mar. 11, 1958	161.41	Dec. 8	171.05
				Mar. 4, 1960	175.27

8/11-36W2. D. T. Miller. Depth 250.0 ft. Altitude about 2,368 ft.

Jan. 30, 1952	124.29	July 3, 1952	b189.9	Nov. 6, 1952	147.05
Feb. 15	122.16	Aug. 11	b193.6	Jan. 19, 1953	128.23
Mar. 4	131.65	Sept. 3	b198.0		

8/12-2B1. U.S. Air Force. Depth 232.2 ft. Altitude about 2,276 ft.

May 16, 1951	Flowing	Mar. 4, 1952	Flowing	Apr. 14, 1953	Flowing
Nov. 15	4.32	Nov. 4	7.27	Mar. 23, 1960	10.75

8/12-2B2. U.S. Air Force. Depth 260 ft. Altitude about 2,276 ft.

May 15, 1951	Flowing	Mar. 4, 1952	Flowing	Mar. 23, 1960	10.80
Nov. 15	4.38	Nov. 4	7.29		

See footnotes at end of table.

8/12-201. U.S. Air Force. Depth 260 ft. Altitude about 2,283 ft.

Date	Water level	Date	Water level	Date	Water level
May 16, 1951	Flowing	July 3, 1952	1.47	May 3, 1954	2.62
Nov. 15	10.98	Aug. 11	6.11	Oct. 18, 1956	16.32
Dec. 22	3.06	Sept. 3	7.54	Mar. 8, 1957	9.17
Feb. 1, 1952	Flowing	Oct. 3	12.69	Nov. 19	16.81
Mar. 4	Flowing	Nov. 4	13.16	Mar. 10, 1958	10.85
Apr. 4	Flowing	Jan. 19, 1953	.99	Nov. 4	19.17
May 5	Flowing	Mar. 12	Flowing	Mar. 9, 1959	13.02
June 5	Flowing	Apr. 14	.66	Dec. 3	21.56
				Mar. 1, 1960	15.80

8/12-4K1. Depth 265.3 ft in 1951. Altitude about 2,307 ft.

Jan. 19, 1951	15.44	Nov. 15, 1951	24.69	Aug. 4, 1952	24.00
Mar. 5	14.01	Dec. 22	20.89	Sept. 2	26.30
Apr. 11	15.31	Jan. 14, 1952	17.06	Oct. 8	28.64
May 8	16.58	Feb. 14	15.25	Jan. 7, 1953	20.53
June 29	19.45	Mar. 4	15.11	May 3, 1954	24.63
July 24	20.88	Apr. 2	14.60	Oct. 19	34.30
Aug. 21	22.74	May 5	17.14	Oct. 18, 1956	40.32
Sept. 18	25.51	June 2	18.76	Mar. 10, 1958	33.88
Oct. 15	26.69	July 3	21.65	Nov. 4	Destroyed

8/12-8B1. J. Ellis. Altitude about 2,320 ft.

Dec. 5, 1941	7.5	Dec. 7, 1943	11.0	Apr. 19, 1951	Destroyed
Dec. 26, 1942	3.8	May 3, 1944	8.1		

8/12-11A. U.S. Air Force. Depth 178.6 ft in 1951. Altitude about 2,294 ft.

May 16, 1951	6.50	Apr. 4, 1952	5.26	Oct. 3, 1952	24.46
Nov. 14	20.23	May 5	6.82	Nov. 4	22.35
Dec. 22	12.75	June 5	8.57	Jan. 19, 1953	9.65
Feb. 1, 1952	6.53	July 3	11.25	Mar. 12	7.98
15	6.01	Aug. 11	17.39	May 3, 1954	12.58
Mar. 4	5.75	Sept. 3	20.27	Oct. 15, 1956	Destroyed

8/12-11R1. U.S. Air Force. Depth 38.1 ft. Altitude about 2,282 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 5, 1952	8.25	Nov. 4, 1952	8.32	Dec. 3, 1959	10.1
Apr. 4	7.70	Nov. 19, 1957	11.07		

8/12-11R2. U.S. Air Force. Depth 437 ft. Altitude about 2,282 ft.

Nov. 4, 1952	32.13	Mar. 10, 1958	26.56	Dec. 3, 1959	43.84
Mar. 8, 1957	23.54	Nov. 4	36.68	Mar. 1, 1960	35.36
		Mar. 9, 1959	27.61		

8/12-13D1. U.S. Air Force. Depth 452 ft in 1951. Altitude about 2,283 ft.

Jan. 24, 1951	4.64	June 28, 1951	7.39	Oct. 15, 1951	21.36
Mar. 5	1.55	July 25	14.48	Nov. 4, 1952	20.39
Apr. 10	4.04	Aug. 22	20.73	Oct. 18, 1956	Destroyed
May 8	2.99	Sept. 19	17.94		

8/12-13L1. U.S. Air Force. Depth 44 ft in 1951. Altitude about 2,296

May 17, 1951	11.98	Mar. 4, 1951	13.26	Mar. 23, 1960	Destroyed
Nov. 15	16.46	Nov. 4, 1952	13.05		

8/12-14R1. U.S. Air Force. Depth 187.7 ft. Altitude about 2,291 ft.

Nov. 9, 1951	28.34	May 2, 1958	26.15	Mar. 1, 1960	33.83
Nov. 4, 1952	109.12	Mar. 9, 1959	30.30		

8/12-20R1. Depth 53.2 ft. Altitude about 2,317 ft.

Apr. 20, 1951	22.59	Mar. 3, 1952	21.30	Dec. 3, 1959	Dry
Nov. 15	32.94	Apr. 14, 1953	26.86	Mar. 1, 1960	42.72
		Oct. 19, 1954	46.05		

See extracts at end of file.

8/12-20B2. Depth 287.2 ft. Altitude about 2,317 ft.

Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1951	23.45	Oct. 17, 1956	57.10	Nov. 4, 1958	55.32
Nov. 15	37.10	Mar. 8, 1957	38.78	Mar. 9, 1959	42.48
Mar. 3, 1952	22.72	Nov. 18	52.69	Mar. 9, 1960	44.30
Apr. 13, 1953	29.16	Mar. 10, 1958	41.27		

8/12-22D1. Southern Pacific Co. Depth 371 ft in 1904. Altitude about 2,301 ft.

Jan. 19, 1951	9.90	Apr. 11, 1951	9.53	July 24, 1951	18.6
Mar. 2	8.75	May 8	10.90	Aug. 21	Destroyed

8/12-22H1. C. H. Lippincott. Depth 298.5 ft. Altitude about 2,302 ft.

Apr. 26, 1951	8.24	Sept. 2, 1952	22.27	Sept. 24, 1957	34.17
Nov. 15	17.74	Oct. 8	23.30	Oct. 15	31.16
Dec. 22	13.58	Nov. 4	20.58	Nov. 15	28.79
Jan. 30, 1952	7.74	Jan. 7, 1953	11.15	Mar. 10, 1958	19.63
Feb. 14	7.37	May 3, 1954	14.67	Apr. 10	18.94
Mar. 3	7.36	Oct. 19	26.73	May 15	21.95
Apr. 2	6.50	Oct. 17, 1956	34.22	Nov. 4	31.09
May 5	8.19	Mar. 8, 1957	18.37	Mar. 9, 1959	21.62
June 2	9.65	June 6	20.72	Dec. 3	30.98
July 3	12.99	July 17	27.70	Mar. 9, 1960	23.00
Aug. 4	16.54	Aug. 14	31.70		

8/12-22F2. U.S. Air Force. Depth 115 ft in 1951. Altitude about 2,298 ft.

Dec. 5, 1941	d1.4	Nov. 7, 1945	d4.8	May 17, 1951	5.50
Mar. 1, 1945	d.6	Dec. 9, 1946	d1.6	May 2, 1958	Destroyed

8/12-25C1. Bruce Smith. Depth 120 ft. Altitude about 2,307 ft.

Jan. 23, 1951	16.76	Sept. 19, 1951	17.19	Apr. 4, 1952	17.34
Mar. 2	16.89	Oct. 15	17.22	May 5	17.43
Apr. 10	17.35	Nov. 14	17.31	June 5	17.50
May 8	16.89	Dec. 22	17.35	July 3	17.52
June 28	17.04	Jan. 30, 1952	17.42	Jan. 19, 1953	17.92
July 23	17.08	Feb. 15	17.41		
Aug. 22	17.16	Mar. 4	16.36		

See footnotes at end of table.

8/12-30D1. Depth 165.0 ft in 1951. Altitude about 2,330 ft.

Date	Water level	Date	Water level	Date	Water level
Apr. 26, 1951	41.63	Apr. 4, 1952	35.62	Sept. 3, 1952	59.48
Nov. 15	49.70	May 5	42.21	Oct. 17	59.90
Dec. 22	43.11	June 2	47.42	Jan. 7, 1953	43.32
Feb. 14, 1952	36.28	July 3	50.03	May 3, 1954	56.04
Mar. 3	36.49	Aug. 11	55.23	Oct. 17, 1956	Destroy

8/12-30K1. Altitude about 2,324 ft.

Apr. 26, 1951	33.68	Nov. 12, 1957	67.51	Mar. 9, 1959	57.62
Oct. 23, 1956	72.05	Mar. 10, 1958	55.18	Dec. 9	71.78
Mar. 3, 1957	52.76	Nov. 4	71.24	Mar. 1, 1960	61.69

8/12-3211. Depth 63.8 ft. Altitude about 2,318 ft.

Dec. 4, 1943	24.0	Aug. 21, 1951	16.95	May 5, 1952	14.18
May 2, 1944	23.8	Sept. 18	16.77	June 5	14.37
Jan. 23, 1951	16.35	Oct. 15	16.88	July 3	14.61
Mar. 2	15.89	Nov. 15	16.96	Aug. 11	15.22
Apr. 11	15.91	Dec. 22	17.00	Sept. 3	15.53
May 8	15.96	Feb. 14, 1952	16.41	Oct. 17	16.09
June 29	16.22	Mar. 3	16.24	May 3, 1954	18.36
July 24	16.34	Apr. 4	14.28		

9/8-631. U.S. Air Force. Depth 98.8 ft in 1951. Altitude 2,364.2 ft.

Jan. 22, 1948	94.0	Apr. 10, 1951	98.50	June 28, 1951	98.86
Mar. 7, 1951	97.50	May 7	98.59	Sept. 15, 1956	Destroy

9/8-631. U.S. Air Force. Depth 467 ft. Altitude about 2,327 ft.

Aug. 20, 1951	113.88	Aug. 11, 1956	121.20	Mar. 11, 1958	123.56
Dec. 19	113.92	Nov. 29	121.59	Apr. 9	124.32
Jan. 15, 1952	113.62	May 1, 1957	121.27	May 15	124.90
May 6	114.03	June 5	122.62	Nov. 5	b126.67
Sept. 5	113.60	July 16	123.16	Mar. 11, 1959	b127.87
Nov. 3	113.85	Sept. 24	123.68	Dec. 4	b136.60
Mar. 13, 1953	115.16	Oct. 16	123.57	Mar. 9, 1960	129.24
May 4, 1954	115.31	Nov. 13	123.55		

See frequency at end of table.

9/8-18F1. U.S. Air Force. Depth 419.4 ft. Altitude 2,397.2 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1948	125.8	May 6, 1952	129.05	Mar. 11, 1959	137.80
Oct. 18, 1951	128.61	Mar. 13, 1953	129.84	Mar. 10, 1960	139.69
Nov. 15	128.63	May 15, 1958	136.38		

9/9-1E1. U.S. Air Force. Depth 26.0 ft in 1951. Altitude 2,277 ft.

Oct. 18, 1951	11.49	May 15, 1958	20.12	Apr. 9, 1959	22.50
Nov. 15	11.71	Mar. 11, 1959	22.47	Mar. 3, 1960	Destroyed

9/9-2Q1. U.S. Air Force. Depth 122.8 ft. Altitude 2,274.8 ft.

Jan. 22, 1948	6.8	Aug. 11, 1956	17.13	Nov. 13, 1957	19.30
Oct. 18, 1951	10.82	Nov. 29	16.41	Dec. 17	19.31
Nov. 15	10.75	Mar. 7, 1957	17.35	Mar. 11, 1958	19.13
May 6, 1952	10.76	May 1	17.76	Apr. 9	19.34
Sept. 3	11.68	June 5	18.11	May 15	19.71
Nov. 3	11.69	July 16	18.47	Nov. 5	21.26
Mar. 13, 1953	11.71	Aug. 14	17.80	Mar. 11, 1959	21.28
Apr. 24	12.00	Sept. 24	19.38	Dec. 4	23.34
May 4, 1954	13.29	Oct. 16	19.43	Mar. 3, 1960	23.34

9/9-6C1. U.S. Air Force. Depth 117 ft. Altitude 2,287.5 ft.

Jan. 22, 1948	39.8	Dec. 4, 1951	40.93	Nov. 5, 1952	45.10
Nov. 9, 1950	39.56	Jan. 24, 1952	40.90	Mar. 9, 1960	Destroyed
Nov. 8, 1951	40.90	Mar. 6	40.87		

9/9-6Z1. U.S. Air Force. Depth 103.7 ft. Altitude 2,290.2 ft.

Jan. 22, 1948	41.3	Nov. 5, 1952	42.45	Nov. 13, 1957	43.13
Dec. 4, 1951	41.80	Jan. 5, 1953	42.44	Dec. 16	43.09
19	41.84	Oct. 26, 1956	43.10	Mar. 11, 1958	42.87
Jan. 14, 1952	41.83	Nov. 20	43.24	Apr. 9	42.90
25	41.83	Mar. 1, 1957	42.39	May 15	42.79
Feb. 14	41.57	May 1	42.74	Nov. 5	43.10
Mar. 6	41.88	June 5	42.71	Mar. 11, 1959	42.92
24	41.57	July 16	42.80	Apr. 9	42.87
31	41.88	Aug. 14	42.95	Dec. 3	43.26
May 5	41.92	Sept. 25	43.12	Mar. 3, 1960	43.03
Sept. 3	42.33	Oct. 16	43.14		

See footnotes at end of table.

9/9-7M1. U.S. Air Force. Depth 245.4 ft. Altitude about 2,287 ft.

Date	Water level	Date	Water level	Date	Water level
Nov. 19, 1951	23.42	May 5, 1952	24.59	Nov. 5, 1952	25.03
Jan. 24, 1952	24.39	June 2	24.69	Jan. 5, 1953	24.99
Mar. 5	25.45	July 2	24.77	Mar. 10	25.09
31	24.50	28	24.80	May 5, 1954	25.98
Apr. 25	24.55	Sept. 3	24.95		

9/9-8D1. U.S. Air Force. Depth 31.3 ft. Altitude about 2,277 ft.

Nov. 30, 1951	25.60	Apr. 18, 1952	25.40	Nov. 5, 1952	26.32
Dec. 19	25.50	May 5	25.54	Jan. 5, 1953	26.14
Jan. 31, 1952	25.40	June 2	25.73	Mar. 10	26.01
Feb. 14	25.44	July 2	25.88	May 5, 1954	27.50
Mar. 4	25.39	28	25.96	Mar. 25, 1955	29.33
24	25.31	Sept. 3	26.14		

9/9-10R1. U.S. Air Force. Depth 106.0 ft. Altitude about 2,280 ft.

Oct. 17, 1951	18.14	Apr. 24, 1953	19.26	Apr. 9, 1959	29.22
Nov. 15	17.94	May 15, 1958	27.83	Mar. 10, 1960	31.58
May 6, 1952	17.59	Mar. 11, 1959	29.21		

9/9-12F1. U.S. Air Force. Altitude 2,288.8 ft.

Jan. 22, 1948	18.4	May 6, 1952	21.99	Mar. 11, 1959	31.86
Oct. 17, 1951	21.26	Mar. 13, 1953	22.54	Mar. 3, 1960	34.26
Nov. 15	21.32	May 15, 1958	30.11		

9/9-12Q1. U.S. Air Force. Depth 93.2 ft. Altitude 2,346.0 ft.

Jan. 22, 1948	75.7	May 15, 1958	87.98	Apr. 9, 1959	89.76
Oct. 17, 1951	78.96	Mar. 11, 1959	90.23	Mar. 3, 1960	92.40

9/9-18C1. U.S. Air Force. Depth 30.0 ft. Altitude 2,280.3 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1948	10.6	Nov. 29, 1956	30.03	Mar. 14, 1958	29.85
Jan. 24, 1952	16.11	July 16, 1957	a41.48	Apr. 10	31.23
	16.04	Sept. 25	a42.36	May 15	34.82
Nov. 5	21.00	Dec. 16	a37.75		

9/9-20G1. U. S. Air Force. Depth 146.0 ft in 1951. Altitude 2,268.7 ft.

Jan. 22, 1948	1918 Flowing 0	Dec. 4, 1951	6.11	May 15, 1958	Destroyed
		Nov. 5, 1952	3.91		

9/9-24H1. U.S. Air Force. Depth 315.0 ft in 1951. Altitude 2,414.5 ft.

Jan. 22, 1948	144.7	Aug. 21, 1951	146.47	May 6, 1952	147.23
Mar. 7, 1951	146.08	Sept. 18	146.61	Sept. 3	147.79
Apr. 10	146.10	Oct. 16	146.67	Nov. 3	148.03
May 7	146.19	Nov. 15	146.85	Mar. 13, 1953	148.27
June 25	146.32	Dec. 19	146.94	May 5, 1954	Destroyed
July 25	146.40	Jan. 16, 1952	147.00		

9/9-27H1. U.S. Air Force. Depth 23.4 ft. Altitude 2,280.1 ft.

Oct. 17, 1951	13.35	Sept. 3, 1952	14.69	Nov. 29, 1956	21.68
Dec. 19	13.54	Nov. 3	15.05	May 1, 1957	21.98
Jan. 16, 1952	13.90	Mar. 13, 1953	14.95	June 5	22.24
May 6	13.70	Aug. 11, 1956	21.15	July 16	Dry

9/9-27H2. U.S. Air Force. Depth 200 ft. Altitude about 2,280 ft.

July 16, 1957	22.76	Mar. 11, 1958	23.14	Mar. 11, 1959	25.43
Aug. 14	22.71	Apr. 9	23.32	Dec. 4	27.90
Oct. 16	23.49	May 15	23.76	Mar. 3, 1960	27.76
Dec. 17	23.30	Nov. 5	25.51		

See footnotes at end of table.

9/10-8P1. U.S. Air Force. Depth 137.1 ft. Altitude about 2,372 ft.

Date	Water level	Date	Water level	Date	Water level
Oct. 16, 1951	82.45	June 2, 1952	82.24	May 5, 1954	82.31
Nov. 15	82.37	Sept. 2	82.24		
Mar. 5, 1952	82.28	Nov. 5	82.27		

9/10-10J1. U.S. Air Force. Depth 54.0 ft. Altitude about 2,294 ft.

Oct. 16, 1951	33.0	Mar. 5, 1952	32.99	Mar. 24, 1960	36.11
Nov. 16	33.00	Apr. 19	33.06		

9/10-12R1. U.S. Air Force. Depth 186.6 ft. Altitude 2,280.0 ft.

Jan. 22, 1948	11.1	June 2, 1952	19.18	May 15, 1958	33.44
Feb. 9, 1951	14.07	July 2	20.03	June 17	34.26
Mar. 9	13.72	28	20.75	July 17	38.32
Apr. 10	14.84	Sept. 3	21.40	Aug. 19	39.48
May 8	15.71	Oct. 3	21.36	Sept. 19	40.39
June 6	16.71	Nov. 5	20.92	Nov. 3	37.73
29	17.85	Jan. 5, 1953	18.60	Dec. 9	35.19
July 24	17.63	Mar. 10	19.23	Jan. 13, 1959	33.05
Aug. 21	18.67	May 5, 1954	22.40	Feb. 10	32.63
Sept. 18	19.32	Sept. 13, 1956	32.77	Mar. 11	34.46
Oct. 9	19.73	Oct. 26	31.96	Apr. 9	36.77
10	19.90	Nov. 29	29.60	May 5	37.66
12	20.62	Mar. 1, 1957	27.52	June 9	40.30
19	19.75	May 1	31.43	July 8	40.70
Nov. 16	18.61	June 5	32.97	Aug. 4	41.77
Dec. 19	17.08	July 16	33.68	Sept. 10	41.91
Jan. 14, 1952	16.43	Aug. 14	34.97	Oct. 7	41.53
25	16.00	Sept. 25	34.86	Nov. 18	40.26
Feb. 14	15.94	Oct. 16	33.66	Dec. 15	38.55
Mar. 4	15.57	Nov. 13	31.89	Jan. 19, 1960	36.28
24	15.70	Dec. 16	30.67	Feb. 26	36.48
Apr. 25	16.78	Mar. 12, 1958	29.37	Mar. 29	39.41
May 5	17.43	Apr. 10	29.58		

9/10-16A1. U.S. Air Force. Depth 127.5 ft. Altitude about 2,320 ft.

Oct. 15, 1951	35.94	Aug. 4, 1952	31.20	Jan. 5, 1953	37.58
Mar. 5, 1952	39.53	Sept. 2	31.05	Mar. 10	37.51
June 2	38.66	Oct. 3	37.91	May 5, 1954	37.38
July 2	38.42	Nov. 5	37.77	Mar. 24, 1960	38.62

9/10-16C1. U.S. Air Force. Depth 147.9 ft. Altitude about 2,333 ft.

Date	Water level	Date	Water level	Date	Water level
June 2, 1952	26.47	Mar. 10, 1953	33.76	Mar. 10, 1958	55.04
July 2	27.33	May 5, 1954	41.29	Apr. 10	55.35
Aug. 4	28.35	Aug. 15, 1957	53.75	May 14	55.57
Sept. 2	29.18	Sept. 25	54.03	Nov. 6	56.65
Oct. 3	29.98	Oct. 16	54.16	Mar. 11, 1959	57.33
Nov. 5	30.77	Nov. 13	54.35	Dec. 3	58.62
Jan. 5, 1953	32.20	Dec. 16	54.58	Mar. 3, 1960	59.13

9/10-16C2. U.S. Air Force. Depth 216 ft. Altitude about 2,328 ft.

Oct. 15, 1951	103.26	Jan. 5, 1953	79.06	Sept. 25, 1957	80.20
Nov. 16	91.32	Mar. 10	79.03	Oct. 16	80.22
Mar. 5, 1952	82.39	May 5, 1954	79.38	Nov. 13	80.25
June 2	80.76	Oct. 26, 1956	79.87	Dec. 16	80.24
July 2	80.40	Nov. 29	79.95	Mar. 10, 1958	80.27
Aug. 4	80.04	Mar. 8, 1957	79.85	Apr. 10	80.56
Sept. 2	79.82	Apr. 30	79.89	Nov. 6	80.78
Oct. 3	79.62	June 6	79.95	Mar. 11, 1959	81.03
Nov. 5	79.38	July 17	80.05	Dec. 3	81.72
Dec. 8	79.39	Aug. 15	80.19	Mar. 3, 1960	82.21

9/10-16C1. U.S. Air Force. Depth 140.7 ft. Altitude about 2,325 ft.

Feb. 13, 1951	103.52	Aug. 21, 1951	114.38	Mar. 10, 1953	102.78
Mar. 6	106.03	Sept. 18	115.20	May 5, 1954	97.42
15	107.38	Oct. 16	114.82	Oct. 25, 1956	89.03
22	107.63	Nov. 16	111.78	Nov. 29	88.88
Apr. 9	108.40	Dec. 21	110.69	Feb. 8, 1957	88.32
16	108.86	Jan. 14, 1952	109.92	Mar. 8	89.23
23	109.14	Feb. 14	109.05	Apr. 30	88.17
30	108.89	Mar. 5	108.65	June 6	88.49
May 8	109.44	Apr. 3	108.96	July 17	88.90
15	109.24	May 5	107.19	Aug. 15	89.27
21	109.60	June 2	106.74	Oct. 16	89.97
25	109.87	July 2	106.20	Nov. 13	90.05
29	110.13	Aug. 4	105.52	Mar. 10, 1958	86.88
June 6	110.56	Sept. 2	104.98	Nov. 6	88.48
29	112.03	Oct. 3	105.32	Mar. 11, 1959	86.12
July 10	112.62	Nov. 5	105.12	Dec. 3	87.76
24	113.38	Jan. 5, 1953	103.86	Mar. 3, 1960	87.59

See footnotes at end of table.

9/10-16W1. U.S. Air Force. Depth 376 ft. Altitude about 2,325 ft.

Date	Water level	Date	Water level	Date	Water level
May 5, 1954	99.39	July 17, 1957	90.66	Apr. 10, 1958	90.76
Oct. 25, 1956	90.52	Aug. 15	91.00	May 14	90.39
Nov. 29	90.73	Sept. 25	91.23	Nov. 6	90.24
Feb. 8, 1957	90.19	Oct. 16	91.39	Mar. 11, 1959	89.88
Mar. 8	89.99	Nov. 13	91.44	Dec. 3	89.59
Apr. 30	89.97	Dec. 16	91.36	Mar. 3, 1960	89.39
June 5	90.27	Mar. 10, 1958	90.69		

9/10-16P1. U.S. Air Force. Depth 532 ft. Altitude about 2,322 ft.

Apr. 3, 1952	99.06	Apr. 6, 1953	93.89	Aug. 15, 1957	88.31
July 28	96.70	May 4	93.93	Sept. 25	96.17
Aug. 4	96.58	May 22	93.57	Nov. 13	87.41
Sept. 2	96.17	June 22	93.37	Dec. 16	86.52
Oct. 3	95.90	May 4, 1954	90.00	Mar. 10, 1958	84.08
Nov. 5	95.67	Oct. 26, 1956	82.26	Apr. 10	82.64
Dec. 8	95.65	Feb. 8, 1957	85.15	Nov. 6	84.43
Jan. 5, 1953	95.03	Mar. 8	82.71	Mar. 11, 1959	82.39
Mar. 10	94.40	July 17	94.02	Dec. 3	82.56
				Mar. 3, 1960	87.35

9/10-22J1. U.S. Air Force. Depth 120 ft in 1957. Altitude about 2,285

Sept. 25, 1957	40.22	Mar. 12, 1958	37.20	Aug. 19, 1958	41.49
Oct. 18	40.10	Apr. 9	37.01	Sept. 19	40.51
Nov. 13	39.40	May 15	38.23	Mar. 11, 1959	40.88
Dec. 17	39.01	June 17	39.86	Dec. 3	Destroyed
Feb. 11, 1958	37.70	July 17	40.95		

9/10-24C1. U.S. Air Force. Depth 750 ft. Altitude about 2,285 ft.

July 28, 1952	24.65	Oct. 3, 1952	24.47	Mar. 10, 1953	21.63
July 29	24.12	Nov. 5	23.43	Mar. 12, 1958	71.56
Aug. 4	25.30	Dec. 8	20.29	May 15	68.2
Sept. 3	24.95	Jan. 5, 1953	21.62		

9/10-24E1. U.S. Air Force. Depth 700 ft. Altitude about 2,280 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 12, 1958	29.38	May 15, 1958	c80.89	Nov. 5, 1958	b40.82
May 15	c81.20	15	c80.68	Dec. 15, 1959	b50.25

9/10-24F1. U.S. Air Force. Depth 430 ft. Altitude 2,281.2 ft.

Jan. 22, 1948	15.5	Jan. 24, 1952	a55.27	Sept. 25, 1957	a73.89
Jan. 28, 1951	15.37	25	18.00	Oct. 16	a71.08
Oct. 9	24.75	Sept. 3	26.80	Mar. 12, 1958	38.16
11	b28.25	Nov. 5	24.87	May 15	49.53
12	25.30	Nov. 29, 1956	38.24	Dec. 15, 1959	49.69
Jan. 24, 1952	17.99	July 16, 1957	a65.22		

9/10-24F2. U.S. Air Force. Depth 43.2 ft in 1951. Altitude about 2,280 ft.

Dec. 10, 1951	18.60	Nov. 5, 1952	23.18	Apr. 14, 1953	b27.42
Mar. 6, 1952	20.54			Oct. 26, 1956	Destroyed

9/10-24G1. U.S. Air Force. Depth 750 ft. Altitude about 2,280 ft.

Oct. 12, 1951	24.20	Sept. 25, 1957	a85.16	May 15, 1958	b48.70
July 28, 1952	23.25	Oct. 16	a85.20	Mar. 11, 1959	40.40
Nov. 29, 1956	36.77	Mar. 12, 1958	37.33	Dec. 15	46.32

9/10-24H1. U.S. Air Force. Depth 127.4 ft. Altitude about 2,273 ft.

Mar. 20, 1951	6.35	Oct. 10, 1951	14.43	Sept. 24, 1957	33.73
Aug. 30	14.02	11	b15.05	Oct. 16	31.53
31	13.67	Nov. 16	13.14	Nov. 13	28.67
Sept. 5	13.54	Mar. 6, 1952	8.98	Dec. 16	27.62
18	14.43	Nov. 5	16.02	Mar. 12, 1958	25.38
25	14.61	Sept. 13, 1956	30.39	Apr. 10	25.31
28	14.55	Oct. 26	29.19	May 15	32.41
Oct. 1	14.63	Nov. 29	25.21	June 17	34.94
2	16.39	Mar. 7, 1957	23.10	July 17	35.43
3	14.57	May 1	28.64	May 5, 1959	34.45
4	14.41	June 5	30.55	Dec. 9	37.57
5	14.21	July 16	33.32	Mar. 9, 1960	35.50
9	b14.55	Aug. 14	34.36		

see footnotes at end of table.

9/10-24P1. U.S. Air Force. Depth 31.1 ft in 1950. Altitude about 2,272

Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1951	5.62	Oct. 10, 1951	13.30	July 28, 1952	14.65
July 11	11.07	11	14.01	Aug. 4	15.34
24	12.85	12	14.30	Sept. 3	15.47
Aug. 21	13.38	12	14.14	Oct. 3	15.45
28	13.05	19	14.25	Nov. 5	14.21
Sept. 4	13.44	Nov. 16	12.17	Dec. 8	12.31
11	13.28	Dec. 19	10.16	Jan. 5, 1953	12.45
18	13.30	Mar. 6, 1952	8.49	Mar. 10	12.27
25	13.57	31	8.18	Mar. 12, 1958	Destroyed
Oct. 1	13.60	May 5	9.75		
2	13.85	June 2	12.29		
9	13.50	July 2	14.12		

9/10-26F1. U.S. Air Force. Altitude about 2,275 ft.

Apr. 11, 1951	10.55	Oct. 1, 1951	18.36	Oct. 11, 1951	18.45
Aug. 30	17.44	2	18.37	12	18.52
31	17.41	3	18.37	Mar. 6, 1952	7.73
Sept. 5	17.50	5	18.36	31	7.96
18	18.42	8	18.37	July 28	18.08
25	18.33	9	18.41	Nov. 5	19.23
28	18.34	10	18.43	Mar. 25, 1960	Destroyed

9/10-26K1. U.S. Air Force. Depth 72.6 ft in 1952. Altitude about 2,271

Mar. 31, 1952	6.56	Aug. 4, 1952	14.98	Apr. 13, 1953	12.26
Apr. 19	7.39	Sept. 3	15.82	May 4	13.36
19	7.86	Oct. 3	16.20	22	14.23
May 5	9.12	Nov. 5	15.59	June 22	15.79
June 2	11.52	Dec. 8	12.63	May 5, 1954	14.88
July 2	13.33	Jan. 5, 1953	11.32	Mar. 12, 1958	Destroyed
28	14.50	Mar. 10	10.70		

9/10-26N1. U.S. Air Force. Altitude about 2,275 ft.

Jan. 11, 1951	8.25	Sept. 5, 1951	16.85	Mar. 25, 1960	Destroyed
Aug. 30	16.65	Mar. 31, 1952	9.30		
31	16.64	Nov. 5	19.13		

9/10-28C1. U.S. Air Force. Depth 300 ft in 1951. Altitude about 2,305 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1951	39.58	Mar. 5, 1952	41.40	July 17, 1957	Destroyed
Nov. 16	43.63	Nov. 6	46.10		

9/10-28F2. U.S. Air Force. Depth 140.8 ft. Altitude about 2,300 ft.

July 17, 1957	44.55	Mar. 10, 1958	46.35	Mar. 11, 1959	48.99
Aug. 14	44.83	Apr. 9	45.97	Apr. 8	48.98
Sept. 25	45.34	May 14	46.34	Dec. 3	51.13
Oct. 18	45.60	June 17	46.56	Mar. 9, 1960	51.87
Nov. 13	45.72	Nov. 6	47.97		

9/10-28H1. U.S. Air Force. Depth 48.8 ft in 1951. Altitude about 2,295 ft.

Oct. 16, 1951	37.65	May 5, 1952	33.40	Sept. 2, 1952	39.10
Nov. 16	36.32	June 2	35.08	Oct. 3	39.59
Dec. 19	34.96	July 2	36.61	Nov. 6	39.50
Feb. 14, 1952	32.83	28	37.90	Dec. 8	37.97
Mar. 5	32.39	Aug. 4	38.29	Jan. 5, 1953	36.75
Apr. 3	31.80			May 5, 1954	Destroyed

9/10-28H2. U.S. Air Force. Depth 120 ft in 1951. Altitude about 2,290 ft.

Jan. 11, 1951	25.33	Apr. 10, 1951	24.90	Aug. 21, 1951	30.20
Mar. 6	23.90	May 8	26.15	May 5, 1954	Destroyed

9/10-30J1. U.S. Air Force. Depth 54.7 ft in 1951. Altitude about 2,295 ft.

Nov. 16, 1951	26.67	Nov. 6, 1952	27.61	May 30, 1953	Destroyed
Mar. 5, 1952	26.09	Mar. 13, 1953	27.09		

See footnotes at end of table.

9/10-34D1. U.S. Air Force. Depth 268 ft. Altitude about 2,285 ft.

Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1952	28.65	Aug. 14, 1957	39.15	May 14, 1958	37.03
Nov. 29, 1956	35.11	Sept. 25	39.77	Nov. 5	43.11
Mar. 1, 1957	32.75	Oct. 18	39.52	Mar. 11, 1959	38.51
Apr. 30	34.75	Nov. 13	39.50	Dec. 9	47.24
June 5	36.55	Mar. 10, 1953	35.03	Mar. 3, 1960	43.60
July 16	40.22	Apr. 9	34.96		

9/10-34H1. U.S. Air Force. Depth 195 ft. Altitude about 2,285 ft.

Jan. 11, 1951	21.95	Apr. 29, 1958	25.31	May 5, 1959	28.42
Nov. 16	26.00	May 15	26.52	June 9	30.33
Nov. 6, 1952	16.36	June 17	28.35	July 8	31.41
Apr. 30, 1957	19.97	July 17	29.26	Aug. 4	32.26
June 6	20.76	Aug. 19	29.83	Sept. 10	34.29
July 16	21.47	Sept. 19	30.87	Oct. 7	35.54
Aug. 14	21.84	Nov. 3	30.21	Nov. 18	34.19
Oct. 18	27.63	Dec. 9	28.21	Dec. 15	33.13
Nov. 13	26.51	Jan. 13, 1959	27.16	Jan. 19, 1960	30.17
Dec. 17	26.25	Feb. 10	25.70	Feb. 26	29.75
Mar. 11, 1953	24.52	Mar. 11	25.53	Mar. 29	31.19
Apr. 9	24.70	Apr. 3	27.47		

9/10-34Q1. U.S. Air Force. Depth 210 ft. Altitude about 2,295 ft.

Dec. 28, 1950	27.81	Nov. 16, 1951	35.93	Mar. 5, 1952	23.16
Oct. 16, 1951	41.55	Dec. 19	31.79	June 9, 1959	48.48

9/11-18.1. U.S. Air Force. Depth 68.4 ft. in 1951. Altitude about 2,230

Jan. 26, 1951	6.13	Nov. 14, 1951	b13.47	Aug. 4, 1952	b12.55
Mar. 5	9.41	Dec. 21	11.84	Sept. 2	12.95
Apr. 11	b9.31	Jan. 14, 1952	b11.78	Oct. 3	13.93
May 8	b11.18	Feb. 14	b10.64	Nov. 6	14.20
June 29	b11.44	Mar. 5	b11.35	Jan. 5, 1953	b13.55
July 24	b11.45	Apr. 2	b11.08	Mar. 12	b12.13
Aug. 21	b12.49	May 5	b11.25	May 3, 1954	13.40
Sept. 18	12.82	June 2	b11.70	Mar. 22, 1960	Destroyed
Oct. 16	b13.82	July 2	b12.34		

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9/11-20A1. U.S. Air Force. Depth 41.6 ft in 1951. Altitude about 2,230 ft.

Date	Water level	Date	Water level	Date	Water level
Apr. 16, 1951	1.42	Nov. 6, 1952	4.97	Apr. 23, 1953	5.25
Nov. 15	3.24	Mar. 3, 1953	5.08	Mar. 22, 1960	Destroyed

9/11-22K1. U.S. Air Force. Depth 46.3 ft in 1951. Altitude about 2,325 ft.

Jan. 19, 1951	34.59	Sept. 18, 1951	34.86	Apr. 12, 1952	35.10
Mar. 5	37.15	Oct. 16	34.89	May 5	36.89
Apr. 11	37.66	Nov. 16	34.93	June 2	35.22
May 8	34.74	Dec. 21	35.02	July 2	35.26
June 29	34.80	Jan. 14, 1952	35.01	Nov. 6	35.30
July 24	34.83	Feb. 14	35.06	Mar. 22, 1960	Destroyed
Aug. 21	34.84	Mar. 5	35.00		

9/11-36J1. U.S. Air Force. Depth 109.9 ft. Altitude about 2,238 ft.

Jan. 19, 1951	28.49	Apr. 5, 1952	28.51	May 1, 1958	28.30
Nov. 16	40.74	Aug. 4	39.73		
Mar. 5, 1952	28.94	Nov. 6	44.74		

9/11-36L1. U.S. Air Force. Altitude about 2,290 ft.

Jan. 19, 1951	30.86	July 2, 1952	36.46	July 17, 1957	41.75
Mar. 6	28.09	Aug. 4	40.66	Aug. 14	42.80
Apr. 10	25.22	Sept. 2	43.57	Sept. 25	43.99
May 8	28.73	Oct. 3	44.08	Oct. 18	44.45
July 25	35.95	Nov. 6	44.12	Nov. 13	44.54
Oct. 16	41.40	Jan. 5, 1953	38.83	Mar. 10, 1953	41.53
Nov. 16	40.60	Mar. 13	34.78	Apr. 10	40.87
Dec. 19	37.20	May 4, 1954	35.17	May 14	40.74
Feb. 14, 1952	33.93	Oct. 23, 1956	42.70	Nov. 6	45.63
Mar. 5	32.35	Nov. 29	42.71	Mar. 11, 1959	43.26
Apr. 1	30.49	Mar. 1, 1957	39.83	Dec. 3	50.37
May 5	31.30	May 1	39.21	Mar. 3, 1960	48.32
June 2	32.74	June 6	40.28		

See footnotes at end of table.

9/11-36N1. U.S. Air Force. Altitude about 2,295 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1951	40.10	Apr. 5, 1952	38.16	May 1, 1958	44.32
Mar. 5, 1952	39.91	Aug. 4	a71.12		

9/11-36N2. U.S. Air Force. Depth 113.1 ft. Altitude about 2,297 ft.

Jan. 19, 1951	20.86	Apr. 5, 1952	22.60	Nov. 6, 1952	a53.27
Mar. 5, 1952	22.34	Aug. 4	a53.75	May 1, 1958	29.56

9/12-16E2. Clara Koch. Depth 182.4 ft in 1951. Altitude about 2,375 ft.

Sept. 21, 1951	92.94	Mar. 5, 1952	b95.09	Mar. 13, 1953	89.20
Nov. 15	90.89	Nov. 6	92.24	May 23, 1956	94.15

9/12-21D3. T. R. Loomis. Depth 107.2 ft. Altitude about 2,350 ft.

Mar. 27, 1951	64.64	Aug. 4, 1952	a74.07	Sept. 24, 1957	73.49
May 8	68.18	Sept. 3	72.97	Oct. 15	72.43
June 29	68.94	Nov. 5	67.57	Nov. 15	71.69
July 24	b69.60	Jan. 7, 1953	63.77	Dec. 16	71.18
Aug. 21	b70.81	Mar. 13	66.32	Feb. 3, 1958	70.78
Sept. 18	a72.23	Oct. 19, 1954	69.14	Mar. 7	70.58
Jan. 14, 1952	61.57	Oct. 25, 1956	69.74	10	70.40
Feb. 14	60.73	Nov. 29	69.29	Apr. 10	70.25
Mar. 5	60.97	Mar. 1, 1957	68.40	Nov. 4	73.88
Apr. 2	64.33	June 6	a71.31	Mar. 9, 1959	72.89
June 2	a69.24	July 17	a73.57	Dec. 3	76.58
July 3	71.73	Aug. 14	71.37	Mar. 2, 1960	75.21

9/12-21E2. G. W. Kinton. Depth 100 ft. Altitude about 2,330 ft.

Mar. 28, 1951	50.98	May 5, 1952	52.57	Oct. 8, 1952	59.52
Dec. 21	52.77	June 2	54.25	Nov. 11	59.93
Jan. 14, 1952	51.87	July 2	56.17	Jan. 7, 1953	53.97
Feb. 14	50.98	Aug. 4	57.85	Mar. 13	54.05
Apr. 3	50.98	Sept. 3	58.89	May 3, 1954	55.93

See footnotes at end of table.

9/12-22G1. U.S. Air Force. Altitude about 2,295 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 25, 1947	d14.3	Nov. 15, 1951	27.43	Mar. 23, 1960	35.08
Mar. 27, 1951	22.70	Nov. 5, 1952	a29.30		

9/12-23N1. U.S. Air Force. Depth 266.7 ft. Altitude about 2,294 ft.

Mar. 22, 1951	17.41	Mar. 7, 1957	23.01	Mar. 9, 1959	25.96
Nov. 6, 1952	24.90	Nov. 19	25.29	Apr. 8	25.98
Apr. 6, 1953	20.57	Mar. 10, 1958	25.00	Dec. 3	29.99
Oct. 18, 1956	24.12	Nov. 4	27.05	Mar. 3, 1960	28.17

9/12-23N2. U.S. Air Force. Depth 165.5 ft. Altitude about 2,294 ft.

Mar. 25, 1947	d3.5	Nov. 15, 1951	21.65	Apr. 6, 1953	20.63
Mar. 22, 1951	17.44	Mar. 5, 1952	17.01		

9/12-24G1. U.S. Air Force. Depth 105.4 ft. Altitude about 2,275 ft.

Mar. 26, 1947	Flowing ^{d/}	Mar. 5, 1952	3.10	Mar. 12, 1953	5.22
Mar. 22, 1951	2.33	Nov. 6	9.09	Mar. 22, 1960	13.43
Nov. 15	7.04				

9/12-24J1. U.S. Air Force. Depth 150 ft in 1951. Altitude about 2,275 ft.

Mar. 26, 1947	Flowing ^{d/}	Nov. 15, 1951	6.34	Mar. 22, 1960	Destroyed
Mar. 22, 1951	3.49	Mar. 5, 1952	2.74		

9/12-26G1. U.S. Air Force. Depth 125.1 ft in 1951. Altitude about 2,292 ft.

Oct. 29, 1929	Flowing	Sept. 18, 1951	10.75	June 2, 1952	6.17
Jan. 26, 1951	3.40	Oct. 16	11.85	July 2	6.42
Mar. 5	3.26	Nov. 15	8.73	Aug. 4	6.95
Apr. 11	3.20	Dec. 21	5.25	Sept. 2	9.01
May 8	5.28	Jan. 30, 1952	3.51	Oct. 3	12.06
June 29	6.30	Mar. 4	3.79	Nov. 5	12.93
July 24	7.25	Apr. 2	3.70	Mar. 12, 1953	5.27
Aug. 21	9.10	May 5	4.29	May 3, 1954	6.47
				Oct. 18, 1956	Destroyed

See footnotes at end of table.

9/12 27J1. U.S. Air Force. Depth 150 ft. Altitude about 2,298 ft.

Date	Water level	Date	Water level	Date	Water level
Mar. 29, 1951	9.33	Mar. 9, 1959	22.93	Mar. 1, 1960	24.0
Mar. 10, 1958	21.71	Apr. 8	22.10		
Nov. 4	22.47	Dec. 3	25.48		

9/12 30E1. Altitude about 2,360 ft.

Apr. 13, 1951	54.26	Nov. 4, 1958	89.67	Mar. 2, 1960	90.
Nov. 19, 1957	86.49	Mar. 9, 1959	86.63		
Mar. 10, 1958	84.35	Dec. 3	92.67		

9/12-31N1. Wagas Ranch. Depth 300 ft. Altitude about 2,347 ft.

Apr. 19, 1951	54.35	June 2, 1952	60.58	Mar. 8, 1957	75.
Jan. 30, 1952	47.28	July 3	66.39	Mar. 10, 1958	78.
Feb. 14	47.47	Aug. 4	89.93	Nov. 4	100.
Mar. 5	47.62	Jan. 7, 1953	54.14	Mar. 9, 1959	84.
Apr. 4	50.26	May 3, 1954	75.39	Dec. 3	99.
May 5	55.35	Oct. 18, 1956	106.48	Mar. 2, 1960	88.

9/12-34Q2. U.S. Air Force. Depth 90 ft in 1951. Altitude about 2,295

Mar. 29, 1951	9.99	Nov. 5, 1952	14.23	Oct. 25, 1956	19.
Nov. 15	13.12	Mar. 12, 1953	11.70	Mar. 22, 1960	Destr
Mar. 5, 1952	10.42	Oct. 19, 1954	15.96		

9/12-34Q3. U.S. Air Force. Depth 154.2 ft in 1951. Altitude about 2,295 ft.

Mar. 29, 1951	10.67	Nov. 5, 1952	18.86	Oct. 25, 1956	Destr
Nov. 15	17.60	Mar. 13, 1953	12.59		
Mar. 5, 1952	11.04	Oct. 19, 1954	20.35		

9/12 35N1. U.S. Air Force. Depth 250 ft. Altitude about 2,295 ft.

Oct. 25, 1956	17.02	Mar. 10, 1958	17.43	Dec. 3, 1959	20.
Mar. 7, 1957	16.39	Nov. 4	18.94	Mar. 1, 1960	20.
Nov. 15	17.91	Mar. 9, 1959	18.52		

See footnotes at end of table.

9/13-23B1. W. W. Hendrix. Depth 290 ft. Altitude about 2,410 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1951	111.67	June 29, 1951	120.52	Feb. 14, 1952	116.41
Mar. 5	114.00	July 24	122.43	July 3	a139.0
Apr. 11	b117.01	Dec. 22	120.56	Sept. 3	a150.5
May 3	117.73	Jan. 14, 1952	117.80	Jan. 7, 1953	123.56

10/8-4A1. U.S. Air Force. Altitude about 2,355 ft.

Jan. 31, 1951	141.29	July 25, 1951	141.60	Jan. 16, 1952	141.35
Feb. 23	141.67	Aug. 21	c141.56	Mar. 8	141.26
Apr. 10	141.39	Sept. 18	141.48	Apr. 2	143.34
May 7	142.74	Nov. 15	141.40	May 6	141.00
June 23	c143.95	Dec. 21	141.44	Mar. 24, 1960	Destroyed

10/9-4D1. U.S. Air Force. Depth 502 ft. Altitude about 2,280 ft.

Mar. 7, 1957	95.02	Apr. 9, 1958	95.17	Apr. 9, 1959	95.24
May 1	95.07	May 14	95.12	May 5	95.25
June 5	95.01	Aug. 7	b97.31	15	95.27
Aug. 14	95.04	Nov. 5	95.16	July 8	94.21
Sept. 24	95.08	6	95.20	Aug. 4	96.32
Oct. 16	95.07	Dec. 9	95.22	Nov. 18	95.42
Nov. 13	95.10	Jan. 13, 1959	95.23	Dec. 15	95.37
Dec. 17	95.11	Feb. 10	95.23	Jan. 19, 1960	95.43
Mar. 11, 1958	95.10	Mar. 11	95.21	Feb. 26	95.44
				Mar. 29	95.47

10/9-7A2. U.S. Air Force. Depth 200 ft. Altitude 2,276.9 ft.

May 7, 1951	66.38	June 5, 1957	66.87	May 14, 1958	65.94
July 25	72.00	July 17	66.53	Nov. 5	65.95
Jan. 16, 1952	66.29	Aug. 14	66.53	Mar. 11, 1959	60.02
Nov. 5	66.38	Sept. 24	67.59	Dec. 4	67.13
Aug. 10, 1956	70.59	Oct. 16	67.04	Mar. 3, 1960	66.20
Nov. 29	66.53	Nov. 13	66.40		
Mar. 7, 1957	66.36	Dec. 17	66.41		

See footnotes at end of table.

10/9-24A1. U.S. Air Force. Depth: 97.9 ft in 1951. Altitude 2,237.5 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1951	67.6	Aug. 21, 1951	72.63	May 6, 1952	72.69
Mar. 8, 1951	72.50	Sept. 13	72.65	Sept. 3	72.74
Apr. 10	72.55	Oct. 16	72.63	Nov. 3	72.74
May 7	72.61	Nov. 15	72.63	Mar. 13, 1953	72.76
June 28	72.60	Dec. 21	72.72	Aug. 10, 1956	Destroy
July 25	72.64	Jan. 16, 1952	72.68		

10/9-24A2. U.S. Air Force. Altitude about 2,257 ft.

May 4, 1954	72.56	Aug. 14, 1957	72.35	Nov. 5, 1958	72.40
Nov. 29, 1956	72.25	Sept. 24	72.32	Mar. 11, 1959	72.52
Mar. 7, 1957	72.25	Mar. 11, 1958	72.37	Dec. 4	72.74
May 1	72.33	Apr. 9	72.45	Mar. 3, 1960	72.74
June 5	72.25	May 15	72.41		
July 16	72.23				

10/9-31B2. U.S. Air Force. Depth 72.5 ft. Altitude about 2,273 ft.

Nov. 20, 1951	36.44	Mar. 5, 1952	35.76	Mar. 13, 1953	35.03
Jan. 24, 1952	35.83	Nov. 5	35.26	Mar. 22, 1960	Destroy

10/9-31C1. U.S. Air Force. Depth 146.0 ft. Altitude about 2,200 ft.

Jan. 10, 1951	41.45	Oct. 16, 1951	43.09	Sept. 25, 1957	40.11
26	43.70	Nov. 16	42.73	Oct. 16	40.15
28	42.11	Jan. 24, 1952	41.01	Nov. 13	40.20
30	42.31	Mar. 5	40.72	Dec. 17	40.20
Feb. 4	42.80	Nov. 5	41.20	Mar. 11, 1958	40.00
Apr. 10	44.37	Mar. 7, 1957	40.05	Apr. 9	40.03
May 3	43.77	May 1	40.09	May 14	40.00
June 29	45.30	June 6	40.07	Nov. 5	39.98
July 25	46.55	July 16	40.06	Mar. 11, 1959	40.00
Aug. 21	45.75	Aug. 14	40.14	Dec. 9	38.76
Sept. 10	46.10			Mar. 3, 1960	39.90

10/9-36G1. U.S. Air Force. Depth 93.5 ft. Altitude 2,282.4 ft.

Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1948	31.0	Jan. 16, 1952	30.54	Sept. 24, 1957	35.23
Jan. 25, 1951	29.99	May 6	30.72	Oct. 16	35.22
Mar. 8	30.01	Sept. 3	30.89	Nov. 13	35.20
Apr. 10	30.05	Nov. 3	31.00	Dec. 17	35.45
May 7	30.08	Mar. 13, 1953	31.21	Mar. 11, 1958	35.67
June 28	30.23	May 4, 1954	32.04	Apr. 9	35.81
July 25	30.30	Nov. 29, 1956	34.28	May 15	35.87
Aug. 21	30.28	Mar. 7, 1957	34.57	Nov. 5	36.46
Sept. 18	30.36	May 1	34.73	Mar. 11, 1959	36.91
Oct. 16	30.37	June 5	34.80	Apr. 9	37.00
Nov. 15	30.53	July 16	34.94	Dec. 4	37.93
Dec. 19	30.45	Aug. 14	35.01	Mar. 3, 1960	38.25

10/10-25R1. U.S. Air Force. Depth 94.4 ft in 1952. Altitude about 2,290 ft.

Sept. 3, 1952	43.35	Nov. 5, 1952	43.19	May 5, 1954	42.43
Oct. 3	43.28	Mar. 13, 1953	42.85	Aug. 11, 1956	Destroyed

10/10-25R3. U.S. Air Force. Depth 100 ft in 1951. Altitude about 2,288 ft.

Nov. 20, 1951	42.59	Apr. 2, 1952	41.78	Oct. 3, 1952	41.24
Dec. 21	42.39	May 5	41.63	Nov. 5	41.15
Jan. 14, 1952	42.32	July 2	41.45	Jan. 5, 1953	40.94
Feb. 14	42.08	Aug. 4	41.42	Mar. 10	40.86
Mar. 5	41.95	Sept. 3	41.34	May 5, 1954	40.40
				Aug. 11, 1956	Destroyed

10/10-28R1. U.S. Air Force. Depth 150 ft in 1951. Altitude about 2,351 ft.

Mar. 7, 1951	88.72	July 25, 1951	88.90	Feb. 14, 1952	89.16
Apr. 10	88.75	Aug. 21	88.85	Mar. 5	Destroyed
May 7	88.63	Oct. 14	88.96		
June 27	88.86	Dec. 21	89.11		

10/11-18D1. U.S. Air Force. Depth 111.0 ft. Altitude 2,505.2 ft.

Date	Water level	Date	Water level	Date	Water level
Sept. 25, 1929	56.74	Sept. 11, 1952	55.34	Mar. 24, 1960	65.0
Feb. 18, 1930	55.75	May 5, 1954	54.94		

10/11-20H1. U.S. Air Force. Depth 77.5 ft. Altitude 2,541.0 ft.

Nov. 26, 1929	74.60	Sept. 26, 1951	74.32	Sept. 11, 1952	73.1
Feb. 19, 1930	75.74	Nov. 16	73.35	May 5, 1954	73.1
Apr. 24, 1951	72.1	Mar. 4, 1952	73.35	Mar. 23, 1960	74.2

10/11-30D1. U.S. Air Force. Depth 80.2 ft. Altitude 2,546.7 ft.

Oct. 21, 1929	79.60	Feb. 18, 1930	77.57	Mar. 23, 1960	77.5
Nov. 1	77.70	Nov. 25, 1952	77.33		

10/12-24H2. U.S. Air Force. Depth 100.0 ft in 1951, 45.5 ft in 1960. Altitude about 2,515 ft.

Sept. 26, 1951	34.48	Mar. 4, 1952	35.37	Mar. 23, 1960	34.1
Nov. 16	34.95	Sept. 11	35.11		

10/12-26F1. U.S. Air Force. Depth 123.3 ft. Altitude 2,563.0 ft.

Oct. 5, 1929	70.00	Sept. 26, 1951	70.59	Mar. 23, 1960	70.0
Feb. 18, 1930	69.74	Sept. 11, 1952	70.54		

11/9-34K1. U.S. Air Force. Altitude about 2,300 ft.

Jan. 25, 1951	80.75	Aug. 21, 1951	80.79	Mar. 8, 1952	80.1
Feb. 29	80.76	Sept. 18	80.79	Sept. 3	80.1
Apr. 10	80.77	Oct. 16	80.80	Nov. 3	80.1
May 7	80.80	Nov. 15	80.83	Mar. 13, 1953	80.1
June 28	80.82	Dec. 21	81.84		
July 25	80.80	Jan. 16, 1952	80.81		

- Well being pumped.
- Nearty well being pumped.
- Well pumped recently.
- Maintenance by Los Angeles County Flood Control District.

Table 6.--Drillers' logs of selected wells

7/9-2011. J. G. Bishop, formerly S. G. Bay. Drilled by R. H. Orr.
12-inch casing. Altitude about 2,518 ft. Perforated: 99.5-400 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and silt -----	16	16	Cement -----	2	275
Sand and "cement" ---	62	78	Water -----	1	276
Water -----	2	80	Cement -----	7	283
Cement -----	12	92	Water -----	1	284
Water -----	2	94	Clay -----	4	288
Cement and clay -----	13	107	Gravel -----	9	297
Water -----	3	110	Water -----	3	300
Clay -----	10	120	Clay -----	8	308
Water -----	3	123	Water -----	5	313
Clay -----	23	146	Clay -----	7	320
Water -----	4	150	Water -----	1	321
Clay -----	10	160	Clay -----	7	328
Water -----	1	161	Water -----	2	330
Clay -----	27	188	Clay -----	7	337
Water -----	1	189	Water -----	2	339
Clay -----	18	207	Clay -----	6	345
Water -----	3	210	Water -----	3	348
Clay -----	10	220	Clay -----	13	361
Water -----	3	223	Water -----	3	364
Clay -----	2	225	Clay -----	5	369
Sand and gravel			Water -----	10	379
with occasional			Clay -----	8	387
6-inch pebble -----	-	-	Water -----	6	393
Clay, sticky -----	-	270	Clay and cement -----	7	400
Cement -----	2	272			
Water -----	1	273			

(Note: The entry "water" is presumed to apply to water-bearing material.)

7/9-28Pl. H. L. Graham. Drilled by R. H. Orr. 10-inch casing.
 Altitude about 2,550 ft. Perforated: 120-278 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay -----	16	16	Clay -----	4	134
Clay, very hard -----	2	18	Sand -----	3	137
Clay -----	2	20	Clay -----	17	154
Sand -----	2	22	Sand -----	7	161
Sand and clay in alternating beds from 2 to 4 ft thick -----	50	72	Clay -----	2	163
Sand -----	6	78	Cement -----	1	164
Clay -----	20	98	Clay -----	2	166
Sand -----	3	101	Sand -----	8	174
Clay -----	3	104	Clay -----	6	180
Sand -----	1	105	Sand -----	6	186
Clay -----	8	113	Clay -----	6	192
Sand -----	2	115	Sand and gravel with occasional thin beds of clay -----	65	257
Clay -----	2	117	Rock, cemented -----	8	265
Sand -----	1	118	Sand -----	8	273
Clay -----	11	129	Rock -----	5	273
Sand -----	1	130			

7/9-30G1. J. O. Hoover. Drilled by Frank Rottman. 10-inch casing.
 Altitude about 2,530 ft. Perforated: 155-305 ft. Reported yield when
 drilled, 310 gpm, drawdown 17 ft.

Sand -----	50	50	Sand and clay -----	20	220
Sand, hard, packed -----	20	70	Sand and clay, hard ---	30	250
Sand, red -----	30	100	Small gravel and clay	20	270
Sand, hard, white -----	25	125	Clay and gravel -----	20	290
Sand and rock -----	25	150	Rock -----	16	306
Sand, hard -----	25	175			
Sand and gravel -----	25	200			

7/9-34H1. J. C. McGowan. 12-inch casing. Drilled by owner. Altitude
 about 2,507 ft.

Silt -----	100	100	Gravel, coarse -----	6	124
Gravel, very coarse --	5	105	Clay -----	3	132
Sand and gravel -----	7	112	Gravel, very coarse ---	16	143
Clay -----	6	118	Clay -----	2	150

7/10-1M1. T. H. Bolt. Drilled by R & C Drilling Co. 14-inch casing. Altitude about 2,432 ft. Perforated: 143-406 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface clay -----	56	56	Clay -----	26	215
Clay, sandy -----	21	77	Gravel -----	49	264
Sandstone, hard -----	2	79	Gravel and streaks of clay -----	82	346
Gravel -----	13	97	Sand, hard -----	9	355
Sand -----	11	103	Gravel and streaks of clay -----	37	392
Sand, hard -----	27	135	Gravel, hard -----	14	406
Gravel and clay -----	31	166			
Sandstone, hard -----	4	170			
Gravel and streaks of clay -----	19	189			

7/10-5E1. Olin Dierek. Drilled by R. H. Orr. 14- and 10-inch casing. Altitude about 2,391 ft. Perforated: 120-400 ft.

Surface -----	122	122	Sand and cement -----	40	235
Clay -----	3	130	Clay -----	20	305
Sand -----	1	131	Sand -----	2	307
Clay -----	9	140	Clay -----	43	350
Sand -----	3	143	Sand and "cement" -----	30	380
Clay -----	32	175	Clay -----	18	398
Sand, fine -----	10	185	Cement -----	2	400
Clay -----	15	200	Clay, blue -----	140	540
Sand -----	3	203	Sand and "cement" -----	20	560
Clay -----	17	220	Clay, blue -----	20	580
Sand, fine -----	3	223	Cement -----	2	582
Clay -----	22	245	Clay, blue -----	19	601

7/10-6M1. Olin Pupp, formerly Seager. Drilled by Frank Rottman. 14-inch casing. Altitude about 2,326 ft. Perforated: 700-1070 ft.

Surface sand -----	50	50
Sand and clay streaks -----	20	70
Clay -----	15	85
Sand and clay streaks -----	25	110
Sand and small gravel -----	20	130
Sand and gravel -----	40	170
Sand, fine, and a few boulders -----	15	185
Sand and gravel -----	12	205
Sand and boulders -----	15	215
Boulders and fine sand -----	20	235
Boulders and hard fine sand -----	20	255
Sand, gravel, and boulders -----	15	270
Sand and boulders, hard -----	20	290

7/10-611.--Continued.

	Thickness (feet)	Depth (feet)
Sand, hard, and a few boulders -----	23	313
Sand, hard; gravel and clay streaks -----	22	335
Sand and gravel -----	22	357
Sand and clay streaks, some gravel -----	23	380
Clay, blue -----	315	695
Sand, coarse, and gravel -----	20	715
Sand, coarse; gravel and clay streaks -----	22	737
Sand, coarse, and gray clay -----	13	750
Sand, coarse, and streaks of gray clay -----	10	760
Sand and gray clay streaks -----	20	780
Sand, gravel, and clay -----	20	800
Sand, coarse -----	25	825
Sand and brown clay streaks -----	25	850
Clay and fine sand -----	25	875
Sand, gravel, and clay -----	20	895
Sand, sharp, coarse -----	25	920
Sand, sharp, and some gravel -----	20	940
Sand, sharp, and gravel -----	20	960
Sand and small gravel -----	20	980
Sand, coarse -----	90	1,070

7/10-9H2. A. Miller. Drilled by R. H. Orr. 12-inch casing. Altitude about 2,417 ft. Perforated: 91-401 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil -----	26	26	Clay -----	15	240
Sand -----	1	27	Sand -----	2	242
Clay -----	33	60	Clay -----	38	280
Sand -----	3	63	Sand -----	3	283
Clay -----	17	80	Clay and "cement" -----	17	300
Sand -----	2	82	Sand -----	4	304
Clay -----	33	115	Clay and "cement" -----	16	320
Sand -----	2	117	Sand -----	5	325
Clay -----	23	140	Clay -----	15	340
Sand -----	3	143	Sand -----	5	345
Clay -----	27	170	Clay -----	5	350
Sand -----	4	174	Sand and "cement" -----	40	390
Clay -----	3	177	Clay -----	11	401
Clay and "cement" -----	43	225			

7/10-14R3. E. Hecht. Deepened in 1950 from 150 to 480 ft by Evans Bros. Drilling Co. Altitude about 2,466 ft.

	Thickness (feet)	Depth (feet)
No entry -----	150	150
Sand, gravel, and streaks of clay -----	40	190
Sand, hard -----	11	201
Clay, sandy; sand and gravel -----	33	234
Clay, sandy -----	4	238
Sand and gravel -----	76	314
Sand, gravel, and streaks of clay -----	121	435
Boulders, clay, and streaks of sand -----	35	470
Boulders and gravel -----	10	480

7/10-20L1. Dr. Belt. Drilled by Frank Rottman. 14-inch casing. Altitude about 2,466 ft. Perforated: 192-600 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface formation----	15	15	Gravel and clay -----	25	305
Sand -----	15	30	Clay and sand -----	13	318
Boulders -----	3	33	Sand and clay, hard --	27	345
Sand -----	17	50	Gravel -----	35	380
Sand, coarse -----	17	67	Sand and clay -----	10	390
Clay -----	8	75	Gravel -----	20	410
Clay, sandy -----	15	90	Boulders, sand, and		
Clay -----	15	105	clay -----	25	435
Gravel -----	15	120	Sand, coarse -----	15	450
Clay, sandy -----	15	135	Gravel and clay -----	20	470
Boulders -----	10	145	Sand and boulders ----	30	500
Sand, hard -----	20	165	Clay and sand -----	25	525
Gravel and boulders	25	190	Gravel and clay -----	15	540
Sand and clay -----	25	215	Sand, coarse, and clay	25	565
Boulders, hard sand			Clay, sandy -----	20	585
and clay -----	16	233	Boulders -----	5	590
Sand and clay, hard	13	246	Clay and sand -----	10	600
Boulders, sand, and					
clay -----	34	280			

7/10-2213. Wilson-Moore. Drilled by R. H. Orr. 16-inch casing. Altitude about 2,450 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface material -----	112	112	Clay and "cement" -----	28	354
Clay -----	20	132	Sand -----	2	356
Sand -----	2	134	Clay and "cement" -----	9	365
Clay -----	18	152	Sand -----	6	371
Sand -----	13	165	Clay and "cement" -----	14	385
Clay -----	5	170	Sand -----	1	386
Sand -----	3	173	Clay and "cement" -----	24	410
Clay -----	12	185	Sand -----	3	413
Sand -----	2	187	Clay -----	16	429
Clay and "cement" -----	30	217	Sand -----	3	432
Sand -----	14	231	Clay -----	16	448
Clay -----	7	238	Sand -----	3	456
Sand -----	3	241	Clay -----	52	508
Clay -----	11	252	Sand -----	2	510
Sand -----	2	254	Clay -----	15	525
Clay -----	16	270	Sand -----	3	533
Sand -----	3	273	Clay -----	17	550
Clay -----	24	297	Sand -----	2	552
Sand -----	2	299	Sandstone -----	13	570
Clay -----	11	310	Sand -----	2	572
Sand -----	3	313	Sandstone -----	28	600
Clay and "cement" -----	11	324	Sand -----	3	603
Sand -----	2	326	Sandstone -----	17	620

7/10-2401. D. W. Haygood. Drilled by R & C Drilling Co. 14-inch casing. Altitude about 2,501 ft. Perforated: 100-375 ft.

Sand -----	42	42	Sand, loose -----	5	189
Sand and gravel -----	20	62	Sand, coarse -----	55	244
Gravel -----	16	78	Sand, loose -----	16	260
Boulders -----	6	84	Sand, coarse -----	27	287
Sand, hard -----	25	109	Clay -----	7	294
Sand and gravel -----	39	148	Sand, coarse -----	61	355
Sand, coarse -----	21	169	Clay -----	9	364
Gravel -----	4	173	Sand, coarse -----	10	374
Sand, coarse -----	11	184	Sand, loose -----	4	378

7/10-29P1. C. E. Steele. Drilled by R & C Drilling Co. 16-inch casing. Altitude about 2,503 ft. Perforated: 200-403 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and clay -----	25	25	Sand, hard, packed ----	60	200
Gravel, coarse -----	30	55	Sand and clay -----	73	273
Sand, loose -----	21	76	Sand and gravel -----	68	341
Sand and boulders ----	24	100	Clay, sandy -----	17	358
Sand, coarse -----	12	112	Sand and gravel -----	26	384
Rocks -----	3	115	Gravel, coarse -----	25	409
Sand and clay -----	25	140	Clay, sandy -----	1	410

7/10-30E1. Petan Ranch. Drilled by R & C Drilling Co. 16-inch casing. Altitude about 2,430 ft. Perforated: 195-595 ft.

Surface soil -----	30	30	Sand and gravel -----	46	276
Surface sand -----	30	60	Clay, hard, sandy ----	14	290
Sand, loose, fine ----	18	78	Sand, loose -----	4	294
Sand and gravel -----	33	111	Sand and gravel -----	44	333
Clay -----	13	124	Boulders -----	7	345
Sand and gravel -----	11	135	Gravel -----	45	390
Clay -----	12	147	Sand -----	20	410
Sand and gravel -----	13	160	Boulders -----	7	417
Clay, sandy -----	12	172	Sand -----	41	458
Boulders -----	13	185	Sand and gravel -----	43	501
Clay -----	7	192	Sand, loose -----	54	555
Gravel -----	20	212	Sand and gravel -----	28	583
Sand -----	16	228	Sand, hard -----	7	590
Clay -----	2	230	Clay, hard -----	5	595

7/10-33J2. Ring Farms, Inc. Drilled by Fred Miller. 14-inch casing. Altitude about 2,538 ft.

Sandy loam -----	10	10	Rock -----	5	235
Gravel and rock ----	30	40	Sand -----	5	240
Sand, coarse -----	10	50	Sand and gravel -----	20	260
Sand, coarse, and rock	10	60	Sand -----	30	290
Sand and gravel -----	10	70	Rock -----	5	295
Sand and rocks -----	20	90	Sand -----	40	335
Clay -----	10	100	Clay -----	10	345
Gravel and sand ----	10	110	Sand -----	20	365
Gravel and rock ----	5	115	Rock -----	5	370
Sand -----	25	140	Clay and rocks -----	10	380
Rocks and sand ----	40	130	Rocks and sand ----	10	390
Sand, hard -----	10	190	Sand, hard -----	10	400
Rock -----	10	200	Boulders, small ----	10	410
Sand, coarse -----	10	210	Rock -----	10	420
Sand and rocks -----	20	230	Granite -----	5	425

7/11-11Q1. Edward Rice. Drilled by Frank Rottman. 14-inch casing.
Altitude about 2,404 ft. Perforated: 138-450 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	50	50	Sand and clay -----	30	300
Sand and gravel -----	50	100	Clay and boulders -----	30	330
Clay -----	30	130	No entry -----	20	350
Clay and gravel -----	20	150	Clay and sand -----	20	370
Boulders and clay -----	50	200	Boulders and clay -----	30	400
Rock -----	20	220	Boulders and sand -----	30	430
Clay -----	30	250	Clay and boulders -----	20	450
Boulders and sand -----	20	270			

7/11-16L1. B. Provozano. Drilled by R. H. Orr. 10- and 8-inch casing.
Altitude about 2,407 ft. Perforated: 101-391 ft.

Soil -----	42	42	Sand -----	2	212
Sand -----	1	43	Clay -----	28	240
Clay -----	13	56	Sand -----	1	241
Sand -----	2	58	Clay -----	9	250
Clay -----	42	100	Sand -----	2	252
Sand -----	1	101	Clay -----	18	270
Clay -----	9	110	Sand -----	2	272
Sand -----	2	112	Clay -----	28	300
Clay -----	26	138	Sand -----	2	302
Sand -----	2	140	Clay -----	18	320
Clay -----	20	160	Sand -----	2	322
Sand -----	2	162	Clay and "cement" -----	33	355
Clay -----	16	178	Sand -----	5	360
Sand -----	5	183	Clay -----	15	375
Clay -----	13	196	Sand -----	2	377
Sand -----	2	198	Clay -----	25	402
Clay -----	12	210			

7/11-21P1. Andrew Monsello. Drilled by Fred Miller. 14-inch casing.
Altitude about 2,456 ft.

Sand, fine -----	50	50	Sand and clay -----	10	240
Sand, coarse -----	83	133	Sand -----	10	250
Sand -----	7	140	Sand, hard -----	10	260
Sand, fine; w/ clay	10	150	Sand, soft -----	30	290
Sand -----	10	160	Sand and clay -----	26	316
Gravel and clay -----	10	170	Clay -----	9	325
Gravel -----	20	190	Sand -----	30	355
Clay -----	10	200	Sand and rock -----	10	365
Sand -----	5	205	Sand and clay -----	10	375
Clay -----	5	210	Sand and rock -----	10	385
Sand -----	20	230	Sand -----	15	400

7/11-21Pl.--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and gravel -----	10	410	Rock and gravel -----	10	570
Sand -----	10	420	Sand and gravel -----	10	580
Sand and clay -----	10	430	Clay and rock -----	10	590
Clay -----	10	440	Rock -----	10	600
Sand -----	15	455	Clay and rock -----	10	610
Sand and rock -----	5	460	Sand -- -----	10	620
Sand -----	25	485	Sand and rock -----	10	630
Sand and clay -----	10	495	Clay -----	10	640
Clay -----	10	505	Rock -----	10	650
Sand -----	5	510	Clay -----	10	660
Sand and clay -----	10	520	Sand -----	10	670
Sand -----	10	530	Sand and clay -----	10	680
Sand and clay -----	10	540	Rock -----	5	685
Sand and rock -----	20	560	Shale, blue -----	8	693

7/11-26J1. W. E. Pratt. Drilled by Frank Rottman. 12-inch casing. Altitude about 2,462 ft. Perforated: 210-450 ft.

Surface soil -----	32	32	Sand and gravel -----	56	276
Sand and clay -----	28	60	Clay and boulders ---	22	298
Gravel and clay -----	20	80	Sandstone -----	22	320
Clay and boulders ---	20	100	Sand and clay -----	20	340
Gravel -----	21	121	Gravel -----	25	365
Gravel, coarse -----	11	132	Sand and clay -----	25	390
Clay and boulders ---	25	157	Gravel -----	20	410
Boulders -----	18	175	Clay and sand -----	20	430
Clay and gravel -----	15	190	Clay, sandy -----	32	462
Clay and boulders ---	30	220			

7/11-27G1. James Provenzano. Drilled by Frank Rottman. 16- and 14-inch casing. Altitude about 2,454 ft. Perforated: 250-350 ft.

Sand -----	10	10	Clay -----	16	388
Clay -----	30	40	Sand and gravel -----	2	390
Sand and gravel -----	10	50	Clay, hard -----	38	428
Clay -----	30	80	Sand and boulders ---	10	438
Sand -----	5	85	Sand, hard -----	22	460
Clay, rocky -----	40	125	Clay and boulders ---	5	465
Sand -----	5	130	Sand and boulders, hard	15	480
Clay, rocky -----	30	160	Clay -----	40	520
Clay, hard -----	55	215	Sand -----	6	526
Sand and gravel -----	5	220	Clay, rocky -----	14	540
Boulders and clay ---	28	248	Rock -----	1	541
Sand and rock -----	7	255	Boulders and clay ---	16	560
Clay and boulders ---	15	270	Rock and sand -----	5	565
Sand and boulders and hard sand -----	70	340	Clay and boulders ---	20	585
Sandstone -----	8	348	Sand and boulders ---	5	590
Clay -----	20	368	Clay -----	10	600
Rock and gravel -----	4	372			

7/11-32A1. Agnes Ross. Drilled by Frank Rottman. 16-inch casing.
 Altitude about 2,456 ft. Perforated: 196-550 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	40	40	Gravel -----	8	328
Clay -----	50	90	Clay and rock -----	22	350
Clay, sandy -----	38	128	Rock and boulders -----	8	358
Sand and gravel -----	7	135	Rock and clay -----	14	372
Clay -----	41	176	Clay -----	78	450
Sand and clay -----	34	210	Clay, yellow -----	10	460
Sand and gravel -----	5	215	Boulders and sand -----	13	473
Clay and sand -----	45	260	Clay -----	37	510
Gravel -----	10	270	Gravel -----	10	520
Clay and sand -----	50	320	Clay, sandy -----	30	550

7/11-34L1. Rose Leshia. Drilled by Evans Bros. 14-inch casing.
 Altitude about 2,474 ft.

Surface sand -----	50	50
Sand and streaks of clay -----	10	60
Gravel, fine -----	20	80
Gravel -----	17	97
Gravel and streaks of fine sand -----	11	108
Clay -----	7	115
Gravel with an occasional boulder -----	13	128
Boulders and gravel -----	12	140
Gravel and coarse sand -----	25	165
Sand and gravel -----	20	185
Boulders and sand -----	45	230
Clay and streaks of sand -----	10	240
Gravel and boulders -----	42	282
Boulders and streaks of clay -----	28	310
Sand, gravel, and boulders -----	40	350
Clay and boulders -----	10	360
Clay and streaks of gravel -----	50	410
Gravel and boulders -----	25	435
Sand and streaks of clay -----	20	455
Sand, gravel, and streaks of clay -----	20	475
Boulders, large, and sand -----	10	485
Boulders, large, and clay -----	15	500
Sand and gravel, hard -----	35	535
Sand and streaks of clay, hard -----	10	545
Sand and gravel, hard -----	30	575
Sand and streaks of clay, hard -----	10	585
Sand, fine, and thin streaks of clay -----	15	600
Sand and gravel -----	15	615
Sand and gravel and streaks of clay -----	20	635
Clay, brown -----	12	647
Clay -----	8	655
Clay, gray and blue -----	11	666
Sand, gravel, and streaks of clay -----	54	720
Clay, yellow -----	3	723

7/12-13Fl. A. M. Klingele. Drilled by Frank Rottman. 12-inch casing. Altitude about 2,382 ft. Perforated: 175-552 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand -----	80	80	Boulders -----	22	384
Clay -----	40	120	Clay and gravel -----	22	406
Clay, sandy -----	65	185	Gravel -----	12	418
Clay -----	17	202	Clay -----	42	460
Sand and clay -----	23	225	Clay, sandy -----	30	490
Sand and gravel -----	21	246	Sand -----	20	510
Clay and gravel -----	34	280	Clay -----	18	528
Clay and boulders ----	20	300	Sand -----	10	538
Gravel -----	22	322	Clay -----	14	552
Clay and boulders ----	40	362			

8/9-6D1. U.S. Air Force, Edwards Air Force Base South Tract, well C. Drilled by Evans Bros. 8-inch casing. Altitude about 2,293 ft. (Materials classified by U.S. Geological Survey.)

Sand, light-yellowish-brown, fine-grained, well-sorted, subrounded -----	10	10
Sand, very coarse-grained, granitic, well-sorted, well-rounded -----	30	40
Clay, light-brown, sandy -----	10	50
Clay, olive-gray, sandy -----	20	70
Clay, light-blue-gray, with some very coarse sand -----	10	80
Sand, very coarse, granitic, and some light-gray clay -----	10	90
Clay, light-olive-gray -----	10	100
Clay, light-blue-gray -----	20	120
Clay, light-blue-gray, sandy -----	30	150
Sand, very coarse, granitic, well-sorted, well-rounded ----	30	180
Sand, very coarse, and some light-gray clay -----	10	190
Clay, light-yellowish-brown, sandy -----	10	200

9/10-1Fl. U.S. Air Force, Edwards Air Force Base South Tract, well B. Drilled by Rottman. 10-inch casing. Altitude about 2,303 ft.

Surface -----	20	20
Sand and gravel -----	15	35
Sand -----	15	50
Sand and clay -----	35	85
Sand and gravel -----	20	105
Gravel -----	15	120
Clay and gravel -----	10	130
Clay -----	20	150

8/10-2F1. U.S. Air Force, Edwards Air Force Base South Tract, well A. Drilled by Evans Bros. 10-inch casing. Altitude about 2,303 ft. (Materials classified by U.S. Geological Survey.)

	Thickness (feet)	Depth (feet)
Topsoil and clay, light-brown -----	6	6
Sand, very coarse, light-brown, well-sorted, well-rounded ----	1	7
Clay, light-yellowish-brown, sandy -----	3	15
Gravel, gray to brown, grains range from 2 to 10 mm -----	10	25
Clay, light-brown, sandy -----	15	40
Gravel, light-tan to gray, ranging from 1 to 15 mm -----	36	76
Clay, light-yellowish-brown -----	16	92
Sand, very coarse, light-yellowish-gray, well-rounded, well-sorted -----	2	94
Clay, medium-blue-gray -----	10	104
Sand, very coarse, light-brown, well-cemented -----	1	105
Clay, medium-blue-gray -----	7	112
Sand, very coarse, light-brown to gray, well-sorted, well- rounded -----	4	116
Clay, light-blue-gray, bottom 6 ft grades to light-brown ----	22	138
Gravel, very coarse, light-gray, well-sorted -----	2	140
Clay, light-blue-gray -----	4	144
Sand, light- to dark-gray, granitic, very coarse, well-rounded	2	146
Clay, light-blue-gray -----	4	150

8/10-2M2. U.S. Air Force, Edwards Air Force Base South Tract, well D. Drilled for the Fuller Construction Co., by Evans Bros. in October 1957. Altitude about 2,310 ft. Rotary well; 10-inch casing perforated 200-400 ft.

Sand -----	60	60
Clay and sand -----	15	75
Clay, sandy, with streaks of gravel -----	135	210
Clay, sandy, and boulders with streaks of gravel -----	25	235
Sand, coarse, clean -----	40	275
Clay and large boulders -----	15	290
Clay and gravel in streaks with occasional boulders -----	110	400

8/10-3J1. U.S. Air Force, formerly R. W. Walsh. Drilled by Rottman. 12-inch casing reduced to 8-inch casing. Altitude about 2,315 ft.

Surface soil -----	50	50
Clay, blue -----	32	82
Gravel, fine -----	90	172
Gravel -----	22	190
Gravel, coarse -----	15	205
Clay, blue -----	109	314
Gravel -----	32	346

3/10-3J1.--Continued

	Thickness (feet)	Depth (feet)
Gravel with clay streaks -----	23	379
Gravel and clay -----	23	402
Sand -----	22	424
Gravel and clay -----	44	468
Gravel and clay, hard, packed -----	22	490
Sand, clay, and gravel -----	23	513
Clay and gravel -----	23	536
Clay and gravel and some sand -----	19	555
Sand and some boulders -----	23	578
Boulders and gravel -----	43	626
Boulders, large, and gravel -----	22	648

3/10-8R2. U.S. Air Force, formerly R. W. Walsh. Drilled by Rottman.
14-inch casing. Altitude about 2,320 ft. Perforated: 60-106 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	50	50	Clay and boulders -----	20	150
Clay -----	10	60	Gravel and boulders ---	20	170
Gravel -----	15	75	Sand and clay -----	30	200
Sand and gravel -----	15	90	Sand and clay		
Gravel and clay -----	20	110	and boulders -----	20	220
Sand -----	5	115	Gravel, heavy -----	26	246
Sand and gravel -----	15	130			

3/10-9P1. U.S. Air Force, formerly F. Flaugh. Drilled by Rottman.
12-inch casing. Altitude about 2,321 ft. Perforated: 72-250 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and gravel -----	50	50	Sand -----	20	170
Sand and clay -----	20	70	Boulders -----	20	190
Clay -----	30	100	Sand and clay -----	40	230
Clay and gravel -----	20	120	Clay and sand -----	20	250
Sand and gravel -----	30	150			

3/10-10F1. U.S. Air Force, formerly A. B. White. Drilled by R. H. Orr.
 1 1/2-inch casing. Altitude about 2,313 ft. Perforated: 72-322 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil -----	7	7	Clay -----	30	117
Sand -----	1	8	Sand -----	3	120
Clay -----	8	16	Clay -----	20	140
Sand -----	2	18	Sand -----	3	143
Clay -----	32	50	Clay -----	17	160
Sand -----	3	53	Sand -----	3	163
Clay -----	17	70	Clay -----	47	210
Sand -----	1	71	"Cement," porous -----	30	240
Clay and "cement" -----	11	82	Clay -----	40	280
Clay -----	3	85	"Cement," porous -----	30	310
Sand -----	2	87	Clay -----	12	322

8/10-10G1. U.S. Air Force, formerly W. H. Pinkham. Drilled by
 R. H. Orr. 3-inch casing. Altitude about 2,316 ft. Perforated: 284-500 ft.

No entry -----		325	Sand -----	2	427
Clay -----		325	Clay -----	35	465
Sand -----	2	327	Sand -----	3	468
Clay -----	38	365	Clay -----	12	480
Sand -----	2	367	Sand -----	2	482
Clay -----	10	385	Clay -----	36	518
Sand -----	2	387	Sand -----	7	525
Clay -----	30	425	Clay -----	55	580

8/10-17J2. U.S. Air Force, formerly Clendenden. Drilled by Evans Bros.
 12-inch casing. Altitude about 2,327 ft. Perforated: 110-206 ft.

Sand and adobe -----	25	25	Clay -----	10	110
Sand and gravel -----	20	45	Sand and gravel -----	15	125
Sand and clay -----	20	65	Sand and clay streaks -----	10	135
Clay and streaks of fine sand -----	15	30	Sand and gravel -----	63	198
Clay and streaks of sand and gravel -----	20	100	Clay, blue -----	8	206

8/10-18.1. U.S. Air Force, formerly Harvard Ranch, well 1. Drilled by R. H. Orr. 12-inch casing. Altitude about 2,322 ft. Perforated: 69-295 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil -----	11	11	Sand -----	2	129
Sand -----	1	12	Clay -----	24	153
Clay -----	24	36	Sand -----	10	163
Sand -----	1	37	Clay -----	9	172
Clay -----	19	56	Sand -----	3	175
Sand -----	2	58	Clay -----	60	235
Clay -----	29	87	Sand -----	2	237
Sand -----	3	90	Clay -----	45	282
Clay -----	17	107	Sand -----	3	285
Sand -----	2	109	Clay -----	10	295
Clay -----	18	127			

8/10-18N1. U.S. Air Force. Drilled by R. H. Orr. 9-inch casing. Altitude about 2,324 ft. Perforated: 48-275 ft.

Soil -----	10	10	Sand -----	1	141
Sand -----	2	12	Clay -----	19	160
Clay -----	8	20	Sand -----	2	162
Sand -----	2	22	Clay -----	13	175
Clay -----	42	64	Sand -----	2	177
Sand -----	4	68	Clay -----	8	185
Clay -----	12	80	Sand -----	4	189
Sand -----	2	82	Clay -----	46	235
Clay -----	38	120	Sand -----	3	238
Sand -----	2	122	Clay -----	27	265
Clay -----	18	140	Clay, blue -----	10	275

8/10-19W2. G. L. Prothro. Drilled by Frank Rottman. 1 1/2-inch casing. Altitude about 2,337 ft. Perforated: At intervals from 312 to 783 ft, total perforations 363 ft.

Clay -----	160	160	Clay, soft -----	10	435
Rock and gravel -----	5	165	Rock and sand -----	5	440
Clay, soft -----	20	185	Clay, hard -----	10	450
Rock and gravel -----	7	192	Sand and rock -----	5	455
Clay, soft -----	33	225	Clay -----	15	470
Clay, hard -----	25	250	Clay and boulders -----	10	480
Sand -----	5	255	Clay, soft -----	20	500
Clay and boulders -----	10	265	Sand and rock -----	10	510
Clay, hard -----	15	280	Clay -----	15	525
Clay, blue -----	130	410	Sand and rock -----	5	530
Sand and boulders -----	15	425	Clay, hard -----	25	555

6/10-19N2.---Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and gravel -----	10	565	Sand and rock -----	15	710
Clay -----	12	577	Clay -----	10	720
Clay and rock -----	21	598	Clay and rock -----	15	735
Clay, hard -----	12	610	Clay -----	10	745
Clay and boulders ---	35	645	Sand and boulders ---	10	755
Clay, hard -----	10	655	Clay and boulders ---	13	768
Rock and clay -----	20	675	Clay, hard -----	20	783
Clay, hard -----	20	695			

8/10-23A1. Peglesoto. Drilled by Frank Rottman. 12-inch casing.
Altitude about 2,359 ft. Perforated: 102-186 ft.

Clay, hard -----	80	80	Rock and fine sand ---	10	220
Clay and boulders ---	6	86	Clay -----	10	230
Clay -----	39	125	Clay and boulders ---	5	235
Rock in sand -----	5	130	Clay, soft -----	7	242
Clay, hard -----	30	160	Rock and sand -----	12	254
Boulders and clay ---	10	170	Clay, soft, red -----	22	276
Clay, hard, rough ---	40	210	Clay, blue -----	12	283

8/10-30R1. John Firsick. Drilled by Frank Rottman. 16-inch casing.
Altitude about 2,361 ft. Perforated: 650-1064 ft.

Sand -----	56	56	Clay, blue -----	193	614
Sand and clay -----	24	80	Clay, brown -----	12	626
Sand and streaks of clay -----	20	100	Shale, hard, brown ---	29	655
Sand and gravel -----	30	130	Clay, sand, and shale	35	690
Clay and sand -----	20	150	Sand and gravel -----	25	715
Gravel -----	28	178	Sand, gravel, and boulders -----	45	760
Clay -----	23	201	Sand and clay -----	15	775
Clay and fine sand --	12	213	Sand and boulders ---	10	785
Clay, brown -----	23	236	Sand and boulders, hard	20	805
Gravel -----	21	257	Gravel and boulders ---	27	832
Clay, brown -----	8	265	Gravel -----	18	850
Sand, brown -----	14	279	Boulders -----	10	860
Clay, blue -----	10	289	Gravel -----	12	872
Shale, brown -----	14	307	Sand and gravel, hard	192	1,064
Clay, blue -----	85	392			
Clay, brown -----	29	421			

8/10-32H2. Sorenson Bros. Drilled by R. H. Orr. 14- and 10- and 6 1/2-inch casing. Altitude about 2,376 ft. Perforated: 110-602 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface sand -----	92	92	Clay and "cement" ----	27	300
Clay -----	18	110	Sand -----	2	302
Sand -----	2	112	Clay and "cement" ----	20	322
Clay -----	13	130	Sand -----	2	324
Sand -----	3	133	Clay and "cement" ----	36	360
Clay and "cement" ----	21	154	Clay, blue -----	80	440
Sand -----	3	157	"Cement" -----	4	444
Clay and "cement" ----	17	174	Clay, blue -----	16	460
Sand -----	2	176	"Cement" -----	3	463
Clay and "cement" ----	39	215	Clay, blue -----	37	500
Sand -----	3	218	"Cement" -----	20	520
Clay and "cement" ----	22	240	Clay, blue -----	30	550
Sand -----	4	244	"Cement" -----	20	570
Clay and "cement" ----	26	270	Clay, blue -----	32	602
Sand -----	3	273			

8/11-9D1. U.S. Air Force. Drilled by C. W. Colgrove. Altitude about 2,276 ft. Destroyed oil-test well.

Sand and gravel, gray and buff, of continental origin, clayey, granitic -----	100	100			
Clay and streaks of gravel, grayish, greenish, bluish, sticky, oozy. Probably of shallow lake variety -----	200	300			
Gravel and sand in gradational streaks; white, subangular to subrounded coarse sand and rock fragments with pebbles. Some angular to subrounded grayish bouldery conglomeritic gravel with feldspar, biotite, calcite, and some ferro-magnesian minerals. Is a continental deposit of granitic origin -----	1,057	1,357			
Gravel, decomposed, clayey, granitic; hard to firm, friable, sandy, clayey, buff-brown with gray streaks of decomposed granitic gravel with feldspars, quartz, and biotite and other ferro-magnesian minerals in a silty clayey sand. Virtually a decomposed granite of continental origin. Pebbles and boulders up to 1 inch in diameter, angular to subrounded. The larger pebbles are volcanic (dacite). This interval was cored -----	15	1,372			
Gravel and sand; same as core and sample above; becoming more angular with increasing depth with an increasing amount of feldspar and quartz. Probably very sandy in streaks with an occasional large granite boulder up to 2 or 3 feet in diameter. Occasional fragments of volcanic material (dacite) and dark-blue-green schist (up to 1 percent) appear in the ditch samples ---	4,204	5,576			

8/11-10E1. U.S. Air Force, formerly Olds. 3-inch casing. Altitude about 2,289 ft. Perforated: 550-612 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	15	15	Shale, hard -----	28	550
Clay, blue -----	337	352	Sand -----	22	572
Clay and sand, brown	21	373	Clay -----	8	580
Sand -----	16	389	Sand and boulders ----	10	590
Clay -----	27	416	Clay -----	14	612
Clay, red, sandy, hard	106	522			

8/11-15E1. U.S. Air Force. Drilled by Miller. 12-inch casing. Altitude about 2,309 ft.

Sand -----	175	175	Sand -----	40	520
Clay, blue -----	305	480			

8/11-22E3. H. Anderson. Drilled by Fred Miller. 14-inch casing. Altitude about 2,312 ft.

Sandy soil -----	10	10	Pea gravel, well-rounded	33	175
Sand -----	70	80	Fine sand -----	22	197
Coarse sand -----	55	135	Blue clay -----	3	200
Blue clay -----	7	142			

8/11-23Q1. Joseph Firsick. Drilled by Frank Rottman. 10-inch casing. Altitude about 2,330 ft. Perforated: 180-230 ft.

Rock sand -----	65	65	Clay -----	12	140
Clay -----	5	70	Clay and boulders ----	5	145
Rock and sand -----	5	75	Clay -----	25	170
Clay and rock -----	10	85	Rock and sand -----	3	173
Clay -----	20	105	Clay, hard -----	17	190
Sand -----	3	108	Rock sand -----	5	195
Clay -----	7	115	Clay rock -----	20	215
Sand and rock -----	3	118	Rock sand -----	10	225
Clay -----	7	125	Clay, hard -----	5	230
Sand and rock -----	3	128	Clay, blue -----		230

8/11-24P5. H. C. Mellon. formerly McCaslin. Drilled by Frank Rottman. 16-inch casing. Altitude about 2,332 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface deposits -----	40	40	Clay, blue -----	300	520
Sand -----	10	50	Clay, dry -----	60	580
Clay -----	30	80	Sand, hard -----	40	620
Gravel -----	4	84	Clay and sand -----	80	700
Clay -----	56	140	Sand, hard -----	120	820
Sand -----	7	147	Clay -----	70	890
Clay, hard, rough ----	33	180	Gravel, hard -----	30	920
Gravel -----	6	186	Clay -----	60	980
Clay -----	24	210	Sand, hard -----	28	1,008
Sand -----	5	215			
Clay, brown -----	5	220			

8/11-25J1. R. Firsick. Drilled by Frank Rottman. 16-inch casing. Altitude about 2,350 ft.

Soil -----	30	30	Gravel and some clay	12	712
Sand and some clay ---	59	89	Gravel -----	40	752
Clay -----	47	136	Gravel and a few boulders -----	21	773
Sand and gravel -----	16	152	Clay and gravel and boulders -----	20	793
Clay and sand -----	25	177	Sand and gravel -----	194	987
Clay and some sand ---	23	205	Sand and boulders ---	23	1,010
Clay and sand -----	51	256	Sand, hard, fine ----	24	1,034
Sand and gravel -----	30	286	Sand, gravel, and boulders -----	44	1,078
Clay, blue -----	5	291	Sand and gravel -----	100	1,178
Shale, brown -----	9	300	Clay, blue -----	11	1,189
Clay, blue -----	289	589	Sand, coarse, and gravel and boulders	112	1,301
Clay and shale, brown	12	601			
Clay and gravel -----	34	635			
Clay and sandy gravel	22	657			
Gravel -----	43	700			

J. P. Atkins, formerly

8/11-27R1. / Wilson. Drilled by Frank Rottman. 12-inch casing. Altitude about 2,341 ft. Perforated: 150-235 ft.

Sand, tough drilling	50	50	Clay and boulders ---	20	200
Sand and clay -----	30	80	Clay and coarse sand	25	225
Clay and gravel -----	20	100	Gravel -----	25	250
Clay and coarse gravel	30	130	Gravel and clay ----	20	270
Clay and boulders ----	20	150	Gravel -----	5	275
Clay and sand -----	30	180	Clay, blue -----	12	287

8/11-28Pl. T. H. Brislin. Drilled by R. H. Orr. 10-inch casing.
 Altitude about 2,333 ft. Perforated: 44.2-271.6 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil -----	4	4	Water -----	3	123
Water -----	1	5	Clay -----	37	160
Clay -----	21	26	Water -----	2	162
Water -----	1	27	Clay -----	18	180
Clay -----	13	40	Water -----	1	181
Water -----	1	41	Clay -----	19	200
Clay -----	9	50	Water -----	2	202
Water -----	2	52	Clay -----	23	225
Clay -----	10	62	Water -----	3	228
Water -----	3	65	Clay -----	29	257
Clay -----	11	76	Water -----	1	258
Water -----	4	80	Clay -----	7	265
Clay -----	15	95	Water -----	2	267
Water -----	2	97	Clay -----	4.6	271.6
Clay -----	23	120			

(Note: The entry "water" is presumed to apply to water-bearing material.)

8/11-34W1. E. A. Hubbard. Drilled by R. H. Orr. 10-inch casing.
 Altitude about 2,353 ft. Perforated: 101-301 ft.

Soil -----	20	20	Sand -----	8	156
Sand -----	2	22	Clay -----	24	180
Clay -----	9	31	Sand -----	1	181
Sand -----	2	33	Clay -----	29	210
Clay -----	47	80	Sand -----	2	212
Sand -----	4	84	Clay -----	43	255
Clay -----	23	107	Sand -----	9	264
Sand -----	6	113	Clay -----	16	280
Clay -----	9	122	Sand -----	3	283
Sand -----	2	124	Clay -----	13	301
Clay -----	24	148			

U/11-35J1. Bailey Bros. Drilled by Frank Rottman. 16-inch casing.
Altitude about 2,361 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Surface deposits -----	75	75	Gravel and brown clay		
Sand and clay in			streaks -----	45	1,070
streaks -----	22	97	Boulders and gravel --	22	1,092
Boulders and gravel --	28	125	Clay and gravel -----	45	1,137
Boulders and clay			Boulders and clay and		
streaks -----	107	232	some gravel -----	22	1,159
Sand, hard, packed ---	23	255	Sand, hard -----	90	1,249
Sand and clay -----	44	299	Sand and clay -----	64	1,313
Clay, blue -----	336	635	Sand and clay, hard --	23	1,336
Clay, brown, soft ----	13	648	Sand -----	22	1,358
Clay, blue -----	37	685	Sand and clay and		
Boulders and gravel --	18	703	boulders, easy		
Gravel -----	53	756	drilling -----	23	1,381
Gravel, coarse -----	44	800	Sand, hard, and		
Gravel -----	45	845	some clay -----	23	1,404
Gravel and clay in			Gravel -----	22	1,426
streaks -----	45	890	Gravel, good -----	45	1,471
Sand and gravel and			Gravel and clay		
clay -----	113	1,003	streaks -----	44	1,515
Gravel -----	22	1,025	Gravel, and hard		
			limestone -----	21	1,536

U/11-36H2. Marsullo & Thiessen. Drilled by J. L. Cluggage.
12-inch casing. Altitude about 2,364 ft. Perforated: 500-950 ft.

Clay, yellow -----	90	90	Clay, blue -----	118	454
Clay and gravel -----	16	106	Clay, dark-blue, soft	32	486
Clay, yellow -----	16	122	Clay, blue -----	125	611
Gravel -----	4	126	Clay, yellow -----	34	645
Clay, yellow -----	22	148	Clay, gray -----	32	677
Gravel and clay -----	6	154	Clay and sand, yellow	49	726
Clay, sandy -----	40	194	Clay, red -----	71	800
Gravel and clay -----	2	196	Sand and gravel -----	150	950
Clay, hard -----	5	201	Sand and clay, hard		
Gravel, clean -----	3	207	(conglomerate) -----	100	1,050
Clay, yellow -----	73	280			
Clay, blue -----	27	312			
Clay, brown -----	24	336			

U/12-13D1. U.S. Air Force, formerly Kenner. Drilled by Pengilley
Bros. 8-inch casing. Altitude about 2,283 ft. Perforated: 300-451 ft.

Clay, blue -----	165	165	Gravel, coarse, clean;		
Sand, blue, fine -----	7	172	rusty color, well-		
Clay, blue -----	224	396	rounded -----	55	451

8/12-14R1. U.S. Air Force, formerly Rancho Diez Amigos. Drilled by Pengilley Bros. 12-inch casing. Altitude about 2,291 ft. Perforated: 254-404 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay, blue -----	380	380	Sand and gravel -----	24	404

8/12-17K1. Glendale Duck Club. Drilled by Pengilley Bros. 10-inch casing. Altitude about 2,327 ft. Perforated: 150-300 ft.

Soil and sand -----	57	57	Boulders and clay ---	23	190
Gravel (water) -----	8	65	Clay and sand mixed	40	230
Clay -----	32	97	Gravel (water) -----	36	266
Gravel and sand (water)	14	111	Clay -----	9	275
Clay and sand, mixed	14	125	Shale -----	6	281
Sand (water) -----	5	130	Clay -----	5	286
Clay -----	8	138	Sand (water) -----	5	291
Sand, fine -----	24	162	Clay -----	9	300

8/12-22A1. C. H. Lippincott. Drilled by R. H. Orr. 6-inch casing. Altitude about 2,302 ft.

Clay -----	4.5	4.5	Clay -----	26	200
Water -----	1.5	6	Water -----	3	203
Clay -----	14	20	Clay -----	20	223
Water -----	2	22	Water -----	1	224
Clay -----	16	38	Clay -----	16	240
Water -----	4	42	Water -----	4	244
Clay -----	22	64	Clay -----	34	278
Water -----	4	68	Water -----	8	286
Clay -----	12	80	Clay -----	14	300
Water -----	4	84	Water -----	6	306
Clay -----	56	140	Clay -----	16	322
Water -----	4	144	Water -----	4	326
Clay -----	26	170	Clay -----	4	330
Water -----	4	174			

(Note: The entry "water" is presumed to apply to water-bearing material.)

8/12-24P1. U.S. Air Force, formerly Denison. 18- and 12½-inch casing. Altitude about 2,307 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Silt and soil -----	12	12	Gravel and cement ---	37	698
Sand and gravel -----	61	73	No entry (strong water pressure)-----		698
Clay, blue -----	8	81	Sandstone, brown ----	24	722
Clay, blue, with streaks of brown sandrock -----	556	637	Limerock -----	1	723
Cement, very hard ---	3	640			
Shale, white -----	2	642			
Shale, blue and cement streaks ----	19	661			

8/12-28D1. Emil Seitz. Drilled by Fred Miller. 12-inch casing. Altitude about 2,308 ft. Perforated: 48-316 ft.

Clay and surface soil	6	6	Gravel and sand ----	5	85
Sand -----	4	10	Gravel and clay ----	10	95
Silt and sand -----	10	20	Gravel -----	11	106
Sand, brown -----	5	25	Sand, coarse -----	30	136
Clay -----	5	30	Sand and clay -----	10	146
Sand -----	5	35	Sand, fine -----	52	198
Clay -----	5	40	Gravel -----	8	206
Sand, coarse -----	10	50	Gravel and sand ----	14	220
Clay and sand -----	5	55	Gravel and clay ----	50	270
Gravel and clay ----	5	60	Sand -----	10	280
Gravel and sand ----	10	70	Gravel, hard -----	8	288
Clay and sand -----	10	80	Sand, coarse -----	28	316

9/8-5E1. U.S. Air Force. Drilled by R & C Drilling Co. Uncased. Altitude about 2,405 ft. Bail-tested and reported to have very poor yield.

Soil -----	19	19	Clay, sandy -----	5	285
Sand and streaks of clay -----	35	54	Granite, hard, decomposed -----	16	301
Sand and boulders and clay -----	76	130	Granite, decomposed, section hard -----	3	304
Sand and gravel ----	113	243	Granite, hard, decomposed -----	5	309
Gravel, firm -----	16	259	Granite, decomposed, section hard -----	11	320
Clay, sandy -----	7	266	Granite, decomposed, very hard -----	1	321
Sand, firm -----	8	274			
Clay, sandy -----	4	278			
Gravel, hard -----	2	280			

9/8-641. U.S. Air Force, Edwards Air Force Base East Camp well 2.
 Drilled by R & C Drilling Co. 12-inch casing. Altitude about 2,387 ft.
 Perforated: 138-402 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and gravel -----	32	32	Gravel, medium hard --	14	272
Sand and streaks of hard gravel -----	78	110	Sand, coarse, and gravel -----	53	325
Sand, very coarse ---	45	155	Sand -----	14	339
Boulders -----	4	159	Sand, fine -----	5	344
Sand and boulders ---	28	187	Sand and gravel -----	51	395
Boulders -----	2	189	Sandstone, hard -----	64	459
Gravel, hard -----	15	204	Rock, hard -----	8	467
Sand, coarse -----	54	258			

9/9-6A1. U.S. Air Force, Edwards Air Force Base Main Base well 5.
 Drilled by E. W. Brockman. 14-inch casing. Altitude 2,274.7 ft. Perforated:
 76-134 ft.

Topsoil and silt -----	17	17
Sand, fine -----	5	22
Clay, soft -----	7	29
Clay, soft, sandy, moist -----	38	67
Clay, hard -----	9	76
Sand, coarse; water-bearing -----	6	82
Clay, soft, sandy; water-bearing -----	22	104
Clay, hard, sandy; water-bearing -----	28	132
Sand, coarse, and gravel; water-bearing -----	12	144
Clay, sandy, soft; water-bearing -----	13	157
Gravel, up to 6 inches; water-bearing -----	42	199

9/9-6C1. U.S. Air Force, Edwards Air Force Base Main Base well 4.
 Drilled by E. W. Brockman. 14-inch casing. Altitude 2,287.5 ft.
 Perforated: 33-101 ft.

Clay, sandy -----	25	25
Clay, fine -----	4	29
Clayloam -----	13	42
Sand, coarse; water-bearing -----	15	57
Clay, sandy; water-bearing -----	19	76
Sand, coarse; water-bearing -----	6	82
Clay -----	26	108
Bedrock -----	9	117

9/9-631. U.S. Air Force, Edwards Air Force Base Main Base well 3.
 Drilled by E. W. Brockman. 14-inch casing. Altitude 2,290.2 ft.
 Perforated: 35-96 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay, sandy -----	37	37	Clay, hard -----	7	82
Sand, loose, clean --	15	52	Granite, decomposed, fine -----	8	90
Clay, red, sandy ----	16	68	Granite, decomposed --	15	105
Sand and gravel, small -----	7	75	Granite -----	7	112

9/9-611. U.S. Air Force, Edwards Air Force Base Main Base well 1.
 Drilled by Delbert Bomar. 14-inch casing. Altitude 2,282.3 ft.
 Perforated: 33-130 ft.

Topsoil -----	22	22	Clay, sandy -----	14	110
Clay, brown, hard ---	13	35	Clay -----	6	116
Sand -----	5	40	Sand -----	3	119
Clay -----	4	44	Clay -----	9	123
Sand -----	14	58	Rock, broken -----	3	131
Sand, cemented, and clay -----	32	90	Granite, decomposed -	15	146
Sand -----	6	96	Granite -----	1	147

9/9-611. U.S. Air Force, Edwards Air Force Base Main Base well 2.
 Drilled by E. W. Brockman. 14-inch casing. Altitude 2,286.8 ft.
 Perforated: 25-116 ft.

Clay, hard, and sand -----	20	20
Gravel, small, and sand -----	15	35
Clay, hard, sandy -----	5	40
Sand and gravel, small -----	6	46
Clay, hard -----	15	61
Sand and gravel -----	7	68
Clay, soft, and sand -----	18	86
Granite, broken -----	15	101
Granite, decomposed, soft -----	6	107
Granite, decomposed -----	13	120
Granite -----	6	126

9/9-13C1. U.S. Air Force, Edwards Air Force Base Main Base well 7.
 Drilled by E. W. Brockman. 14- and 10-inch casing. Altitude 2,260.3 ft.
 Perforated: 250-310 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay, sandy -----	75	75	Clay -----	13	207
Sand, coarse; water- bearing, water raised to 10-ft level -----	2	77	Sand, coarse -----	6	213
Sand, dirty -----	3	80	Rock ledge -----	4	217
Sand and clay, cemented	7	87	Clay -----	4	221
Sand, coarse, dirty ---	3	95	Sand, dirty -----	7	228
Granite, decomposed ---	4	99	Clay, sandy -----	20	248
Sand and clay -----	93	192	Sand, dirty -----	67	315
Sand and gravel, pea- size -----	2	194	Sand, coarse, dirty ---	13	328
			Clay, sandy -----	32	360

9/9-27H2. U.S. Air Force. Drilled for the Arrow Rock Co. by Frank
 Rottman in June 1957. Rotary well, 8-inch casing, perforated 100 to 200 ft.
 Altitude about 2,200 ft.

Surface sand -----	20	20	Sand, coarse, and clay -----	20	160
Sand and clay -----	20	40	Sand, coarse -----	20	180
Sand, coarse, and clay	60	100	Sand, fine -----	20	200
Sand and clay -----	40	140			

9/10-12R1. U.S. Air Force, Edwards Air Force Base Main Base well 6.
 Drilled by E. W. Brockman. 16-inch casing. Altitude 2,280.0 ft.

Adobe -----	4	4	Sand, very coarse, and fine gravel -----	9	170
Sand, fine; very small amount water -----	6	10	Clay -----	7	175
Clay -----	121	131	Gravel, coarse -----	1	176
Sand, coarse, apparently dry ----	10	141	Clay -----	37	223
Clay -----	3	149	Gravel, pea-size -----	3	226
Sand, very coarse, apparently dry ----	6	155	Sand, very coarse; apparently considerable water -----	22	248
Clay -----	14	169	Granite, decomposed ---	4	252

9/10-14C1. U.S. Air Force, Edwards Air Force Base Old Hospital Well.
 Drilled by Albert Lomar. 12-inch casing. Altitude 2,207.3 ft. Perforated:
 43-52, 72-82 ft.

Topsoil and clay ---	40	40	Clay, sandy -----	14	84
Gravel, sandy -----	3	49	Granite, decomposed, soft	24	104
Clay, sandy -----	21	70	Granite, hard -----	5.0	113

9/10-1612. U.S. Air Force, formerly W. H. Graham. 14- and 12- and 10-inch casing. Altitude about 2,322 ft.

	Thickness (feet)	Depth (feet)
Soil -----	11	11
Boulders and gravel -----	61	72
Boulders and water gravel -----	63	135
Shale and boulders -----	16	151
Boulders and water gravel -----	54	205
Shale and boulders -----	25	230
Boulders and water gravel -----	30	260
Shale and boulders -----	50	310
Gravel, good -----	5	315
Gravel and boulders, good water -----	35	350
Shale, boulders, and gravel -----	32	382
Gravel and boulders -----	16	398
Gravel and boulders, water-bearing -----	20	418
Shale, hard -----	3	421
Boulders, and shale and gravel -----	10	431
Gravel and boulders, water-bearing -----	7	438
Shale and boulders -----	33	471
Gravel and boulders -----	9	480
Shale and boulders -----	10	490
Shale, blue, very good -----	73	563
Gravel and boulders -----	35	598
Shale and gravel and boulders -----	34	632
Shale, soft, and gravel -----	12	644
Shale and gravel and boulders -----	36	680
Gravel, soft -----	4	684
Gravel and boulders -----	48	732

9/10-1611. U.S. Air Force, formerly W. H. Graham. Drilled by Frank Pottzman. 14-inch casing. Altitude about 2,325 ft. Perforated: 90-396 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	40	40	Shale and boulders	20	300
No entry -----	20	60	Rock -----	20	320
Sand and gravel -----	40	100	Rock and boulders	20	340
Sand -----	50	150	Rock (with streaks)	20	360
Sand and gravel -----	25	175	Clay, blue -----	20	380
Boulders and rocks ---	35	260	Rock and gravel ---	10	390
Shale, blue, and rock	20	280	Granite -----	6	396

9/10-16Pl. U.S. Air Force, formerly W. H. Graham. Drilled by R & C Drilling Co. 14-inch casing. Altitude about 2,322 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Soil -----	16	16	Sand, medium hard, and streaks of		
Sand and gravel -----	5	21	loose gravel -----	31	234
Sand, coarse -----	15	36	Sand, hard -----	20	254
Clay, sandy -----	3	39	Sand, medium hard ---	8	262
Sand and gravel -----	13	52	Sand, hard -----	14	276
Clay, sandy -----	7	59	Sand, medium hard ---	5	281
Sand, coarse -----	6	65	Sand, medium hard; streaks of clay ---	6	287
Sand and streaks of clay -----	21	86	Sand, hard -----	141	428
Gravel, coarse -----	13	99	Sand and streaks of clay -----	4	432
Sand and gravel; streaks of clay ---	30	129	Sand, hard; streaks of clay -----	30	462
Boulders -----	2	131	Sand, medium hard; streaks of clay ---	6	468
Sand and gravel; streaks of clay ---	11	142	Sand, hard; streaks of clay -----	41	509
Clay -----	3	145	Sand, loose, and streaks of clay ---	11	520
Sand, coarse; streaks of clay -----	16	161	Sand, hard -----	12	532
Gravel, coarse; small boulders -----	32	193			
Sand, hard -----	10	203			

9/10-24Cl. U.S. Air Force, Edwards Air Force Base Main Base well 9. Drilled by J. Beylik. 14-inch casing. Altitude about 2,205 ft. Perforated: 156-733 ft.

Topsoil -----	10	10
Sand, fine, and clay -----	35	45
Clay, sandy -----	45	90
Gravel, coarse, and clay -----	55	155
Gravel, smaller; boulders; small amount of clay -----	55	210
Gravel, medium coarse; little clay -----	70	280
Sand, fine; little clay and small boulders (hard) -----	30	310
Gravel, medium coarse; small boulders, little clay -----	50	360
Sand, fine; some clay and small boulders (hard) -----	10	370
Gravel, medium coarse; some clay -----	20	390
Sand, sharp, fine; clay, medium hard -----	30	462
Clay, cemented at 452 ft; boulders, hard -----	8	470
Gravel, coarse; clay; hard boulders -----	15	485
Gravel, coarse; clay (smooth drilling at 485 ft) -----	50	535
Clay, soft, sandy -----	25	560
Clay, soft, sandy, and boulders -----	30	590
Gravel, medium coarse, and clay -----	30	620
Clay, soft, sandy, and small boulders -----	70	690
Clay, fine, sandy, small boulders (hard) -----	37	727
Clay, hard -----	23	750

9/10-24E1. U.S. Air Force, Edwards Air Force Base Main Base well 11.
 Drilled by Evans Bros. in March 1957. Rotary well, 16-inch casing,
 perforated 230-650 ft. Altitude about 2,230 ft. Materials classified
 by U.S. Geological Survey.

	Thickness (feet)	Depth (feet)
Sand; yellowish-brown; very coarse, subangular to subrounded; predominantly quartz, some feldspar; well-sorted. Possibly a beach deposit -----	12	12
Sand; silty; yellowish-brown; very fine; predominantly quartz and feldspar -----	22	34
Sand; yellowish-brown; very coarse, subangular to subrounded, well-sorted; predominantly quartz with some feldspar. Possibly a beach deposit -----	36	70
Sand; yellowish-brown; very coarse; about 30 percent of the clastics are pebble size and are subangular to subrounded; mostly quartz and feldspar; well-sorted. Probably a beach deposit -----	26	96
Sand, silty; yellowish-brown; very coarse, 20 to 30 percent of the clastics are pebble size and are predominantly granitic, a small amount of dark minerals (olivine?) is present -----	42	138
Sand, silty; same as above but a few thin clay lenses are present -----	55	193
Sand; brownish-yellow, very coarse; 10 to 20 percent of clastics are pebble size; of granitic origin, fairly well sorted -----	12	205
Sand and gravel; brownish-yellow, medium-hard drilling -----	4	209
Sand, silty; brownish-yellow, of granitic origin -----	15	224
Boulders, gravel, and clay; hard, of granitic origin -----	3	227
Sand, silty; brownish-yellow; very coarse, of granitic origin -----	21	248
Sand, gravelly, silty; brownish-yellow, 10 to 30 percent of the clastics are pebble size; subangular, fairly well-sorted, of granitic origin -----	32	280
Gravel, sandy, silty; poorly cemented, brownish-yellow, relatively hard -----	5	285
Sand, gravelly, silty; brownish-yellow, 10 to 20 percent of the clastics are of pebble size; fairly well sorted but subangular; of granitic origin -----	35	320
Sand, silty; brownish-yellow; well-sorted; of granitic origin -----	29	349
Gravel, sandy, clayey; very hard -----	2	351
Sand, silty; brownish-yellow; very coarse, 10 to 20 percent of the clastics are of pebble size; of granitic origin -----	14	365
Gravel and boulders, silty, clayey, very hard drilling; of granitic origin, much mica -----	4	369
Sand, silty; brownish-yellow, finer grained than any interval logged above -----	22	391

9/10-24E1.--Continued

	Thickness (feet)	Depth (feet)
Gravel and clay, sandy; yellowish-brown; granitic in origin, contains thin lenses of cemented material, becomes somewhat siltier in lower part of interval -----	44	435
Clay, silty, sandy; yellowish-brown to gray; clasts are granitic in origin -----	10	445
Gravel, sandy, silty; yellowish-brown -----	5	450
Clay, sandy, gravelly; yellowish-gray; becomes more sandy in lower part of the interval; of granitic origin -----	34	484
Sand, clayey; yellowish-gray; about 60 to 70 percent sand-size material, of granitic origin -----	35	519
Sand; yellowish-brown; very coarse; fairly clean, of granitic origin; becomes somewhat finer grained in lower part of the interval -----	15	534
Sand, gravelly; same as above, except 10 to 20 percent of the clastics are pebble size; of granitic origin -----	7	541
Sand, clayey; brownish-yellow; sand is very coarse; of granitic origin -----	3	549
Sand; clean, well-sorted, well-rounded; very coarse; of granitic origin -----	2	551
Sand, clayey; brownish-yellow; sand is very coarse; of granitic origin; contains alternating layers of clayey sand and sandy clay in lower part of interval -----	46	597
Clay, sandy; brownish-yellow; 30 to 40 percent sand; of granitic origin -----	11	600
Sand, clayey, silty; yellowish-brown; similar to above interval, but somewhat sandier; lower part of interval contains lenses of silty clayey sand and sandy silty clay; of granitic origin -----	22	630
Sand, silty, clayey; same as above interval, except much harder -----	42	672
Clay, sandy, grayish-brown; sticky, very hard; of granitic origin -----	12	684
Sand, streaks of clayey sand; grayish-brown; hard; of granitic origin -----	16	700

9/10-24F1. U.S. Air Force, Edwards Air Force Main Base well 6A.
 Drilled by Brockman. 12-inch casing. Altitude 2,201.2 ft. Perforated:
 70-400 ft.

Topsoil -----	16	16
Sand -----	8	24
Clay -----	70	94
Gravel -----	4	98
Clay -----	56	154
Sand -----	9	163
Clay -----	43	211

9/10-24Fl.--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Gravel, fine -----	4	215	Clay, hard -----	65	309
Clay, very hard -----	6	221	Sand, coarse;		
Gravel, fine -----	2	223	apparently consider-		
Clay, very hard -----	7	230	able water -----	23	332
Gravel, fine -----	2	232	Clay -----	57	339
Clay, very hard -----	3	240	Sand, coarse; appar-		
Gravel, fine -----	4	244	ently considerable		
			water -----	21	410
			Clay -----	20	430

9/10-24G1. U.S. Air Force, Edwards Air Force Base Main Base well C.
 Drilled by J. Beylik. 14-inch casing. Altitude about 2,230 ft. Materials
 classified by the U.S. Geological Survey.

Soil, sandy, loose; light-brown -----	2	2
Clay, silty; some sand, very fine; fairly hard, buff -----	3	10
Sand, very fine to medium, light-gray; and clay; sand is coarse in lower part and well-sorted -----	32	42
Sand, medium to coarse, hard, light-brown; some clay from 70-76 ft -----	34	76
Sand, medium to very coarse, silty, buff; some gravel, very fine; coarser at 76 and 83 ft -----	24	100
Sand, very coarse, well-sorted, light-brown; and some very fine sand, mostly dark minerals -----	3	103
Sand, very coarse, well-sorted, brown; and small amounts of clay, usually buff with occasional dark-brown zones; medium to very coarse from 140 to 143 ft, medium to coarse from 143 to 203 ft, becoming finer near bottom -----	35	143
Sand, medium to coarse, silty, buff -----	65	203
Sand, very coarse, silty, buff -----	6	214
Sand, very coarse, silty, hard, high in biotite mica; and gravel -----	11	225
Clay, sandy, mostly medium to coarse; light-brown -----	6	231
Sand, medium to coarse, hard, silty, buff; and some small gravel from 231 to 233 ft and 237 to 240 ft -----	3	240
Sand, fine to medium, buff -----	11	251
Sand, coarse, silty, hard, buff; in light-brown clay matrix -----	13	270
Sand, coarse, brown, hard, high in unweathered dark minerals; some clay at 2-5 ft -----	20	290
Sand, medium to coarse, silty, buff; very coarse from 340 to 343 ft -----	53	343
Clay, hard, compact, light-brown; sand, fine to medium -----	7	350
Sand, very coarse, angular, hard; and some fine gravel in clay matrix -----	6	356
Sand, fine to medium, fairly soft, brown; some gravel and clay -----	4	360
Gravel, silty, hard; and sand, medium to coarse -----	5	365

9/10-24G1.--Continued

	Thickness (feet)	Depth (feet)
Sand, coarse, well-sorted, buff gravel streaks at 403 ft and 422 ft, some clay from 440 to 442 ft -----	77	442
Sand, fine to medium, poorly sorted, hard; 454 to 455 ft is hard compact sandy clay -----	15	457
Sand, medium to coarse, softer, buff; clay increasing near bottom -----	71	523
Clay, light-brown, soft; sand, medium to coarse -----	17	545
Sand, very coarse, buff; and gravel; very little clay; medium to coarse from 630 to 640 ft -----	95	640
Sand, fine to medium, hard, poorly sorted, buff; some clay, light-brown -----	26	666
Sand, medium to coarse, some clay, poorly sorted, buff ----	39	705
Sand, medium, some brown clay -----	4	709
Clay, light-brown, hard; and sand, medium to coarse -----	7	716
Sand, medium to coarse, small amount of clay -----	14	730
Clay, light brown; and sand, fine to medium; clay increasing with depth -----	20	750

9/10-34P3. U.S. Air Force. Drilled by Evans Bros. 8-inch casing. Altitude about 2,295 ft. Materials classified by G. E. Kremser, Air Installations.

Clay, tough, sandy, blue -----	132	132
Clay and streaks of sand -----	3	135
Clay and sand and clay -----	10	145
Sand and some clay -----	40	185
Sand, fine to coarse -----	35	220
Sand, fine to coarse; streaks of clay -----	20	240
Sand, fine to coarse -----	60	300
Sand, fine to coarse, and a little clay -----	50	350

9/12-16J1. A. C. Scruggs. Drilled by Frank Pottman. 12-inch casing. Altitude about 2,340 ft.

Sand -----	50	50
Gravel and sand -----	20	70
Clay and gravel -----	20	90
Clay -----	20	110
Rock and gravel -----	40	150
Boulders -----	20	170
Gravel -----	10	180
Rock -----	20	200

9/12-16K1. R. J. Rubees. Drilled by Frank Rottman. 12-inch casing.
 Altitude about 2,360 ft. Perforated: 72-204 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay -----	10	10	Rock and clay -----	20	110
Clay and boulders --	20	30	Boulders and clay	20	130
Sand -----	10	40	Sand and boulders	28	158
Clay and boulders --	20	60	Clay and rock -----	12	170
Sand and gravel ----	5	65	Sand -----	5	175
Sand, hard; boulders and clay -----	25	90	Clay -----	29	204

9/12-16L1. Frank Miske. Drilled by R. H. Orr. 14-inch casing.
 Altitude about 2,365 ft. Perforated: 71-251 ft.

Soil -----	32	32	Sand -----	3	163
Sand -----	1	33	Clay -----	7	170
Clay -----	27	60	Sand -----	3	173
Sand -----	1	61	Clay -----	7	180
Clay -----	17	78	Sand -----	2	182
Sand -----	2	80	Clay -----	38	220
Clay -----	10	90	Sand -----	2	222
Sand -----	3	93	Clay -----	10	232
Clay -----	47	140	Sand -----	2	234
Sand -----	3	143	Clay -----	20	254
Clay -----	17	160			

9/12-18E1. Dale Randleman. Drilled by Frank Rottman. 12-inch casing.
 Altitude about 2,423 ft. Perforated: 140-354 ft.

Surface -----	10	10	Sand and gravel, hard; and some clay -----	64	354
Gravel -----	130	140	Rock -----	-	354
Sand and gravel ----	150	290			

9/12-18F2. Dale Randleman. Drilled by D. W. Slocum. 12-inch casing.
 Altitude about 2,385 ft.

Soil -----	3	3	Silt -----	30	160
Silt and sand streaks (struck water at 42 ft; later dropped to 63 ft) -----	88	91	Sand and gravel, muddy	4	164
Sand, gravel, and cobbles to 1½ in	30	121	Clay, sandy -----	97	261

9/12-20C1. William Pengilley. Drilled by Pengilley Bros. 6-inch casing. Altitude about 2,348 ft. Perforated: 80-140 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and clay -----	40	40	Clay (adobe), yellow	90	135
Sand, dry -----	5	45	Sand, coarse (water)	5	140

9/12-26Q1. U.S. Air Force. Drilled by Frank Rottman. 12-inch casing. Altitude about 2,286 ft. Perforated: 102-300 ft.

No entry -----		2	Sand -----	2	188
Clay, brown -----	38	40	Clay -----	24	212
Clay, blue -----	75	115	Sand -----	8	220
Sand -----	4	119	Clay -----	40	260
Clay -----	37	156	Sand, hard, and shale -----	25	285
Gravel -----	4	160	Rock -----	15	300
Clay -----	26	186			

9/12-26F3. California Mineral Products. Drilled by Pengilley Bros. 3-inch casing. Altitude about 2,324 ft.

Adobe (clay) -----	30	30	Clay -----	40	125
Clay, blue-gray -----	40	70	Gravel, coarse ---	12	137
Sand, fine, and gravel	15	85	Clay -----	13	150

9/13-23B2. W. W. Hendrix. Drilled by Frank Rottman. 12-inch casing. Altitude about 2,410 ft. Perforated: 70-400 ft.

Sand -----	15	15	Sand -----	2	232
Sand, hard -----	45	60	Clay and rock ---	6	238
Shale -----	33	93	Gravel and rock --	3	241
Clay, soft -----	31	124	Gravel -----	12	253
Gravel -----	5	129	Clay and rock ---	9	262
Clay -----	14	143	Sand -----	24	286
Sand -----	2	145	Clay -----	24	310
Clay -----	15	160	Sand -----	2	312
Sand -----	2	162	Clay -----	30	342
Clay -----	11	173	Gravel -----	4	346
Gravel -----	6	179	Clay -----	15	361
Clay -----	6	185	Sand -----	7	368
Clay and gravel -----	17	202	Clay -----	9	377
Rock -----	3	205	Sand -----	7	384
Clay -----	12	217	Clay and rock ---	3	400

10/8-32R1. U.S. Air Force. Drilled by Clyde. Uncased test hole.
 Altitude about 2,450 ft.

	Thickness (feet)	Depth (feet)
Surface soil and sand -----	62	62
Granite, red -----	27	89
Clay, blue, with streaks of coarse sand -----	25	114
Granite, blue -----	34	148

10/9-4D1. U.S. Air Force, Edwards Air Force Base test well 4.
 Drilled by Barber-Bridge Drilling Corp., in February 1957. Altitude
 about 2,260 ft. 12-inch casing 0 to 500 ft. Perforated: 144-195 ft
 and 200-433 ft.

Quartz sand -----	34	34
Clay, silty, and coarse sand -----	103	142
Gravel and very fine sand, poorly sorted -----	14	156
Clay, silt, and sand; with gravel, very hard; no water -----	33	189
Gravel, sand, and silt, very dirty -----	2	191
Clay, hard, sandy, light-brown to red, very tight, forms balls; sand, fine to very coarse with intermixed fine gravel -----	27	218
Sand and silt with some fine gravel, dirty -----	10	228
Clay and sand, silty, some gravel to pebble size, clastics, very adhesive, forms compact balls -----	87	315
Granite and quartz -----	87	402
Granite, decomposed -----	8	410
Gravel, fine -----	8	418
Sand, cemented -----	10	428
Silt, fine, tight -----	5	433
Sand, cemented -----	4	437
Clay, hard, sandy, yellow -----	27	464
Clay, hard, sandy -----	33	497
Clay, hard, blue -----	5	502

10/9-4E2. U.S. Air Force. Drilled by Evans Bros. in August 1953.
 14-inch casing. Altitude 2,306.9 ft. Perforated: 150-500 ft.
 Materials classified by Corps of Engineers, U.S. Army.

Sand, light-brown, fine- to coarse-grained -----	40	40
Clay, streaks of fine sand -----	13	53
Sand, fine- to coarse-grained -----	122	175
Sand, fine- to coarse-grained, slightly cemented -----	10	185
Sand, fine- to coarse-grained -----	25	210
Sand, fine- to coarse-grained, occasional streaks of clay -----	5	215
Sand, fine- to coarse-grained -----	19	234
Sand and clay, slightly gravelly at 255 ft -----	61	295
Sand and occasional streaks of clay -----	30	325

10/9-4D2.--Continued

	Thickness (feet)	Depth (feet)
Sand, clayey -----	60	385
Clay, sandy -----	10	395
Sand and streaks of clay, well-cemented at 426 ft, 452 ft, and 470 ft -----	95	490
Sand, cemented -----	10	500

10/9-7A1. U.S. Air Force, Edwards Air Force Base North Base well 1.
Drilled by J. B. Henderson. 10-inch casing. Altitude 2,276.0 ft.
Perforated: 125-197 ft.

Sand, windblown, and topsoil -----	3	3
Clay, yellow, and sand, fine. This thin bed of sand and clay contained a small amount of alkali surface water -----	80	93
Clay, yellow, and some small gravel -----	30	113
Clay, yellow, and some fine sand -----	9	122
Clay, yellow, and fine gravel, very tight -----	2	124
Clay, yellow -----	5	129
Gravel, loose, and some clay. This is the best showing of water so far. Water standing at the 75-ft level -----	6	135
Clay, yellow -----	5	140
Clay, yellow, and gravel, fine -----	12	152
Clay, yellow, and sand -----	3	155
Clay, gray, and some fine sand; some water -----	16	171
Clay, gray, and coarse sand -----	13	184
Gravel, clean -----	2	186
Clay, gray, and sand, coarse -----	6	192
"Rock-spar" -----	1	193
Rock, gravel, and clay, light-brown -----	7	200

10/9-7A2. U.S. Air Force, Edwards Air Force Base North Base well 2.
Drilled by J. B. Henderson. 10-inch casing. Altitude 2,276.9 ft.

No entry -----	5	5
Clay, fine, and decomposed granite -----	5	10
Sand, clay, and some decomposed granite -----	70	80
Clay and gravel, sandy -----	30	110
Clay, sandy; and some decomposed granite -----	30	140
Gravel and rock -----	25	165
Clay, sandy; and decomposed granite -----	20	185
Sand, gravel, and rock; some clay -----	15	200

10/9-31A1. U.S. Air Force. Drilled by Charles Grant. 8-inch casing.
Altitude about 2,280 ft.

	Thickness (feet)	Depth (feet)
Sand, feldspathic -----	12	12
Sand, white -----	38	50
Limeclay -----	8	58

10/9-31C1. U.S. Air Force. 10-inch casing. Altitude about 2,280 ft.

Clay, sandy, hard -----	45	45
Granite, decomposed -----	9	54
Sand, fine, loose; water-bearing -----	1	55
Sandstone -----	2	57
Granite, decomposed; water-bearing -----	6	63
Clay, sandy -----	5	68
Granite, decomposed -----	12	80
Sand, fine -----	2	82
Granite, decomposed, loose; water-bearing -----	8	90
Granite, decomposed, hard -----	30	120
Granite, friable; main water-bearing zone -----	42	162
Granite, decomposed, hard -----	3	165
Granite, hard -----	12	177

10/9-31C3. U.S. Air Force, formerly AT&SF Railway System well 3.
Drilled by W. C. Reilly. 12- and 10-inch casing. Altitude about 2,280 ft.

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
Soil -----	7	7	7
Sand, hard, cemented	43	50	50
Sand, coarse -----	5	55	55
Clay -----	8	63	63
Sand, hard -----	4	67	67
Clay -----	7	74	74
		Sand, contains water	7
		Clay -----	13
		Sand, contains water	11
		Gravel, contains water	14
		Granite, decomposed	56
		Granite, blue -----	43
			81
			94
			105
			119
			175
			218

10/9-31C4. U.S. Air Force, formerly AT&SF Railway System well 6.
Drilled by Roscoe Moss Co. 16-inch casing. Altitude about 2,280 ft.
Perforated: 48-54, 60-68, 90-114 ft.

Clay, sandy -----	54	54	Sand -----	1	68
Granite, decomposed --	2	56	Granite, decomposed	1	69
Clay, sandy -----	4	60	Clay, sandy -----	44	113
Sand, fine -----	3	63	Granite, friable ---	12	125
Clay -----	2	65	Granite, solid, gray	3	128
Granite, decomposed --	2	67			

10/9-31M1. U.S. Air Force. Drilled by Pengilley Bros. 6-inch casing. Altitude about 2,294 ft. Perforated: 43-03 ft.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand, clay -----	18	18	Sand and clay, caved	62	82
Sand, water -----	2	20	Rock, hard -----	1	83

10/10-35F1. U.S. Air Force. 12-inch casing. Altitude 2,321.5 ft. Perforated: 35-82 ft.

Topsoil -----	4	4	Granite, decomposed ---	8	98
Sand -----	11	15	Granite -----	2	100
Clay, sandy -----	10	25	Granite, decomposed ---	2	102
Sand and clay, cemented	47	72	Granite, hard -----	12	114
Granite-sand and gravel	18	90			

10/11-18B1. U.S. Air Force, formerly Reed. 12-inch casing. Altitude 2,505.8 ft.

Loam, sandy, and clay streaks -----	108	108	Sand, fine -----	4	120
Gravel, clay, and sand (mixture) ----	8	116			

10/11-18P1. U.S. Air Force, formerly Brown. 14-inch casing. Altitude 2,502.0 ft.

Sand -----	20	20	Sand -----	22	70
Clay, stiff -----	36	56			

10/11-20M3. U.S. Air Force, formerly Wheeler. Destroyed well. Altitude about 2,545 ft.

Clay and sand, alternate streaks --	76	76	Granite, shattered ---	14	90
			Granite, soft -----	16	106

10/11-30M1. U.S. Air Force. 14-inch casing. Altitude 2,546.7 ft.

Soil, gravelly -----	60	60	Granite, rotten -----	34	94
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10/11-30L1. U.S. Air Force. Drilled by Pengilley Bros. Destroyed well. Altitude about 2,615 ft.

	Thickness (feet)	Depth (feet)
Granite -----	118	118

10/11-30L2. U.S. Air Force. Drilled by Pengilley Bros. Destroyed well. Altitude about 2,615 ft.

Granite -----	100+	100+
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10/12-13H1. U.S. Air Force, Edwards Air Force Base test well 3. Drilled by Barber-Bridge Drilling Corp. in June 1956. Altitude about 2,505 ft. 12-inch casing 0 to 153 ft, uncased hole 153 to 175 ft. Perforated: 75-147 ft. Materials classified by U.S. Geological Survey.

Sand, silty; light-buff to gray; very poorly sorted; some fine gravel -----	12	12
Clay and silt, sandy, and a small amount of very fine gravel; brown and compact; entirely granitic origin; feldspar fairly fresh -----	45	57
Gravel, sand, silt, and clay; brown, angular, granitic origin -----	5	62
Clay and silt; same as 45-57 ft but clay comes out in chunks as very hard fractured pieces; some gravel to pea size -----	23	85
Sand and clay and some gravel; reddish-brown; loose but makes much mud; entirely granitic origin; very few pebbles up to $\frac{1}{2}$ inch -----	39	124
Sand, silt, and clay; gray and micaceous, granitic, feldspar very rotten -----	5	129
Sand and silt, tight; poorly sorted, contains some gravel; brown; in very thin beds containing gray very fine silty sand and very rotten micaceous coarse sand lenses; this sequence might be lacustrine deposits -----	30	159
Granitic boulders, hard, fresh, and sand and clay -----	16	175

10/12-22J1. U.S. Air Force, Edwards Air Force Base test well 1. Drilled by Barber-Bridge Drilling Corp. in March 1956. Altitude about 2,530 ft. 12-inch casing 0 to 242 ft. Perforated: 130-230 ft. Materials classified by U.S. Geological Survey.

	Thickness (feet)	Depth (feet)
Clay and sand; poorly sorted and mixed, sticky; light-buff; granitic origin and grains are typically angular; very coarse sand -----	35	35
Clay and sand; hard, compact, sticky, mainly quartz, locally contains some chalky nodules in clay; light-brown to buff -----	33	68
Clay; slightly sandy, sticky and compact, medium- to dark-brown, contains numerous chunks or balls of very dark-brown and light-green clay -----	9	77
Sand and clay; buff to brown, soft, granitic origin and has large proportion of quartz; silt and clay percentage increases with depth; may be very thin beds of silty sand and clay -----	75	152
Sand, gravelly and silty and some intermixed clay; brown; gravel up to $\frac{1}{2}$ -inch but mainly coarse and very coarse sand of granitic origin -----	3	155
Clay and sand; tough and compact, brown, some gravel up to 1 inch intermixed -----	16	171
Clay, sand, gravel, sandy gravel, and clay and gravel; brown, in thin beds or stringers, soft to hard; open hole caved and heaved at 181 ft -----	12	183
Clay and sand; brown, sticky; sand is fine to very coarse, mainly quartz, silty, may be a few streaks of sandy clay, weathered and of granitic origin -----	18	201
Sand and clay, silty; buff to light-brown, weathered, hard; granitic origin, contains much weathered feldspar and biotite mica, some large mica books present -----	8	209
Clay and sand; reddish-brown, sticky; about half clay and silt and half poorly sorted angular sand -----	13	222
Gravel, sand, silt, and clay; brown, compact, very poorly sorted and mixed; gravel up to $\frac{1}{4}$ inch, granitic origin and contains large biotite mica books; soft from 232 to 234 ft -----	12	234
Boulders, gravel, and sand; cemented, very hard angular blocks. This interval cored 5 times, 1 partial recovery	8	242

10/12-22R1. U.S. Air Force, formerly Morris. Altitude 2,538.8 ft.

Sand, granitic, coarse, and alternate layers of tough blue clay -----	225	225
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10/12-23C1. U.S. Air Force, Edwards Air Force Base test well 2. Drilled by Barber-Bridge Drilling Corp. in May 1956. Altitude about 2,520 ft. 12-inch casing 0 to 152 ft, open hole 152 to 249 ft. Perforated: 45-90 ft. Materials classified by U.S. Geological Survey.

	Thickness (feet)	Depth (feet)
Silt, hard, yellow, sandy -----	4	4
Silt, clay, and sand; gray, very sticky -----	11	15
Sand, silt, and clay, and some fine gravel; gray, much white, carbonate -----	6	21
Clay, silt, and sand; brownish-yellow, volcanic sand and fine gravel mixed with clay; sand mainly quartz -----	27	48
Sand, poorly sorted, fine to very coarse and gravel up to $\frac{1}{4}$ inch; silty and clayey; brown; mainly of granitic origin but volcanic sand grains present; has very thin clay lenses -----	20	68
Sand and very small gravel, silty and clayey; very hard, cemented, brown, entirely granitic origin -----	24	92
Sand, silt, and clay, mostly clay and sand; hard, brown, percent silt and clay increases with depth; few chunks of very hard calcareous clay in bailer -----	77	169
Clay, sand, and gravel; buff to brown; very hard; gravel pebbles are granitic and up to 1 inch; very hard drilling -----	9	178
Boulders, gravel, sand, and clay; cemented; very hard drilling; material quartz monzonite, granite, pegmatite, graphic granite cobbles; very muddy -----	71	249

10/12-26D1. U.S. Air Force, formerly Morris. 12-inch casing. Altitude 2,533.0 ft.

Sand, water-bearing -----	135	135
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10/12-26F1. U.S. Air Force, formerly Morris. 16-inch casing. Altitude 2,563.0 ft.

Sand and clay, alternating beds -----	72	72
Sand, water-bearing -----	68	140

11/9-32Q1. U.S. Air Force, Edwards Air Force Base North Base well 3. Drilled for the Linde Co. by Evans Bros. in September 1957. Rotary well, 16-inch casing, perforated 234 to 450 ft. Casing was reperforated after the well was first tested. The perforated interval was at shallower depth but the exact interval is unknown. Altitude 2,302.5 ft. Materials classified by driller.

	Thickness (feet)	Depth (feet)
Surface sand -----	22	22
Sand and streaks of clay -----	98	120
Sand -----	85	205
Boulders with some clay -----	35	240
Clay and gravel -----	10	250
Clay -----	10	260
Coarse sand with streaks of sandy clay -----	25	285
Sandy clay -----	20	305
Clay with streaks of sand -----	45	350
Clay with thin streaks of sand -----	100	450

Table 7.--Chemical analyses of waters from wells

The calculated values of dissolved solids were computed from the sum of determined constituents by the Ground Water Branch, U.S. Geological Survey. Values for sodium preceded by the letter a indicate a combination of sodium and potassium.

Analyzing laboratory: CT, Curtis and Tompkins Laboratory, San Francisco, Calif.; CW, Carl Wilson Laboratory, Los Angeles, Calif.; DWR, California Department of Water Resources; GS, Geological Survey; SE, Smith-Emery Laboratory, Los Angeles, Calif.

Part 1. Complete and detailed partial chemical analyses

Well number	7/9-20W1	7/9-30E1	7/9-30F1	7/10-6R1
Date of collection	4-17-52	8-2-52	8-14-53	6-3-53
Results in parts per million				
Silica (SiO ₂)	19			
Iron (Fe)	.03			
Calcium (Ca)	26	36	37	40
Magnesium (Mg)	6.8	9.0	11	1.6
Sodium (Na)	45	a34	30	30
Potassium (K)	2.8		2.9	2.8
Bicarbonate (HCO ₃)	158	183	171	152
Carbonate (CO ₃)			0	0
Sulfate (SO ₄)	48	57	49	42
Chloride (Cl)	5.8	4.0	7.0	6.4
Fluoride (F)	.3		1.0	.1
Nitrate (NO ₃)	3.0	1.3	.5	1.9
Boron (B)	.07	.12	.06	0
Dissolved solids				
Calculated	235	231	222	200
Hardness as CaCO ₃	93	127	b138	b106
Percent sodium	50	37	32	b37
Specific conductance (micromhos at 25°C)	363	420	395	324
pH	7.8	8.0	7.6	7.8
Temperature (°F)	73			73
Depth of well (feet)	360	350	312	1,011
Analyzing laboratory	GS	DWR	DWR	DWR
Laboratory number	8558	2400	3350	P-637

See footnotes at end of table.

Well number	7/11-24Q1	7/12-2Q1	8/9-4W5	8/9-4P1	
Date of collection	4-17-52	4-17-52	4-23-53	4-17-52	8-15-53
Results in parts per million					
Silica (SiO ₂)	19	29		31	
Iron (Fe)	.05	.04		1.2	
Calcium (Ca)	36	32	11	6.6	6.0
Magnesium (Mg)	6.6	6.0	2.3	1.1	1.5
Sodium (Na)	25	22	84	87	90
Potassium (K)	2.1	1.1	2.3	.9	1.0
Bicarbonate (HCO ₃)	153	144	148	136	149
Carbonate (CO ₃)	0	0	0	12	0
Sulfate (SO ₄)	32	23	687	76	72
Chloride (Cl)	11	9.2	6.8	9.6	9.0
Fluoride (F)	.3	.1		.6	1.0
Nitrate (NO ₃)	1.5	1.9	1.5	1.8	2.0
Boron (B)	.09	.08			.08
Dissolved solids					
Calculated	209	195	268	295	256
Hardness as CaCO ₃	117	104	37	21	621
Percent sodium	31	31	82	90	90
Specific conductance (micromhos at 25°C)	334		431	428	420
pH	7.7	7.8	8.1	8.6	8.2
Temperature (°F)	72	66	68	68	
Depth of well (feet)	460	200	81.0	127.3	127.3
Analyzing laboratory	GS	GS	GS	GS	DWR
Laboratory number	8553	8555	7215	8225	3347

See footnotes at end of table.

Well number	8/9-4P2	8/9-6D1	8/9-6R1	8/10-1F1	
Date of collection	4-10-53	4-10-53	5-29-52	5-29-52	4-10-53
Results in parts per million					
Silica (SiO ₂)	20	22	31	20	18
Iron (Fe)	.5	0	.01	8.8	0
Calcium (Ca)	5.6	21	39	17	20
Magnesium (Mg)	.7	7.7	14	5.7	6.2
Sodium (Na)	106	89	a62	a80	71
Potassium (K)	.9	2.0			2.4
Bicarbonate (HCO ₃)	143	223	212	201	181
Carbonate (CO ₃)	9	0			0
Sulfate (SO ₄)	87	82	95	63	62
Chloride (Cl)	22	10	9.5	5.0	6.5
Fluoride (F)	.9	1.6	.9	1.3	.9
Nitrate (NO ₃)	.5	.2	1.2	.4	.6
Boron (B)	.28	.36			.42
Dissolved solids					
Calculated	323	346	357	300	277
Hardness as CaCO ₃	17	84	155	66	75
Percent sodium	93	69	46	73	66
Specific conductance (micromhos at 25°C)	516	539	550	454	424
pH	8.8	8.3	7.7	7.7	8.4
Temperature (°F)	60	66			64
Depth of well (feet)	62	200		150	150
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	7014	7016	19438	19369	6958

See footnotes at end of table.

Well number	8/10-2F1			8/10-2M1	
Date of collection	5-29-52	4-10-53	6-25-58	4-10-53	4-23-53
Results in parts per million					
Silica (SiO ₂)	25	18	25	16	
Iron (Fe)	.02	0	.10	0	
Calcium (Ca)	29	29	31	26	27
Magnesium (Mg)	9.7	9.1	9.1	7.8	7.4
Sodium (Na)	a52	53	50	40	41
Potassium (K)		3.1	3.9	3.0	3.5
Bicarbonate (HCO ₃)	171	171	164	148	150
Carbonate (CO ₃) ³		0	0	0	0
Sulfate (SO ₄) ³	69	71	72	56	
Chloride (Cl)	7.5	11	11	6.0	3.8
Fluoride (F)	.5	.5	.4	.5	
Nitrate (NO ₃)	1.0	1.1	1.1	1.8	1.6
Boron (B) ³		.16	0	.13	
Dissolved solids					
Calculated	278	280	285	230	158
Hardness as CaCO ₃	112	110	115	97	693
Percent sodium	50	50	48	46	47
Specific conductance (micromhos at 25°C)	431	443	433	361	366
pH	7.8	8.0	8.1	7.5	7.5
Temperature (°F)		66	68	64	
Depth of well (feet)	150	150	150	62.5	62.5
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	19373	7018	26457	7011	7214

See footnotes at end of table.

Well number	8/10-8M1	8/10-3M2	3/10-19M2	8/10-2G1	
Date of collection	4-17-52	5-1-58	4-30-58	4-13-53	4-17-52
Results in parts per million					
Silica (SiO ₂)	38				20
Iron (Fe)	.03				.04
Calcium (Ca)	14	5.4	33	18	36
Magnesium (Mg)	1.0	.1	12	2.2	7.3
Sodium (Na)	60	94	55	89	48
Potassium (K)	1.2	2.8	3.9	4.2	2.6
Bicarbonate (HCO ₃)	126	221	206	187	147
Carbonate (CO ₃) ³		0	0	0	
Sulfate (SO ₄) ³	50	629	675	680	80
Chloride (Cl)	6.9	5.2	6.0	11	14
Fluoride (F)	.4	1.4	.5		.2
Nitrate (NO ₃)	1.2			.7	2.9
Boron (B)	.13				.05
Dissolved solids					
Calculated	235	247	286	297	283
Hardness as CaCO ₃	39	14	133	54	120
Percent sodium	76	92	46	76	46
Specific conductance (microhos at 25°C)	331	421	489	494	435
pH	8.0	7.7	7.5	7.4	7.7
Temperature (°F)	78	78	78	82	70
Depth of well (feet)	740	740	240	788	360
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	5557	25928	25929	7211	8556

See footnotes at end of table.

Well number	8/10-30B1	8/10-30R1	8/11-18L1	8/11-21R2	8/11-23A2
Date of collection	8-15-53	4-13-53	5-3-58	8-15-53	4-17-52
Results in parts per million					
Silica (SiO ₂)					24
Iron (Fe)					.05
Calcium (Ca)	39	32		24	35
Magnesium (Mg)	9.0	2.1		3.0	8.1
Sodium (Na)	30	43	2,950	37	53
Potassium (K)	2.5	4.0	60	1.3	2.0
Bicarbonate (HCO ₃)	156	151	3,260	129	182
Carbonate (CO ₃)	0	0	212	0	
Sulfate (SO ₄)	56	b53		32	61
Chloride (Cl)	8.0	5.2	2,890	7.0	19
Fluoride (F)	.7		2.4	1.7	.4
Nitrate (NO ₃)	.5	.8		0	.7
Boron (B)	.07			.06	.35
Dissolved solids					
Calculated	223	214	7,720	169	294
Hardness as CaCO ₃	b134	88	8	b72	121
Percent sodium	32	50	99	52	48
Specific conductance (micromhos at 25°C)	391	368	12,500	295	451
pH	7.6	8.2	8.7	7.8	7.9
Temperature (°F)		76		60	66
Depth of well (feet)	290	1,004	195.3	216	223
Analyzing laboratory	DWR	GS	GS	DWR	GS
Laboratory number	3349	7209	25232	3360	3559

See footnotes at end of table.

Well number	8/11-35J1	8/11-36H2	8/12-201	8/12-17W1	8/12-21C1
Date of collection	4-17-52	4-13-53	4-17-52	4-17-52	6-4-53
Results in parts per million					
Silica (SiO ₂)	34		28	29	
Iron (Fe)	.04		.06	.09	
Calcium (Ca)	6.1	20	4.1	27	23
Magnesium (Mg)	.5	5.5	1.0	3.9	2.7
Sodium (Na)	91	50	82	45	50
Potassium (K)	.7	3.6	.8	1.5	1.5
Bicarbonate (HCO ₃)	174	140	168	146	132
Carbonate (CO ₃)	19	0	17		0
Sulfate (SO ₄)	45	654	20	24	22
Chloride (Cl)	5.2	10	9.5	20	27
Fluoride (F)	1.4		1.6	.5	.6
Nitrate (NO ₃)	.8	.9	4.8	14	9.9
Boron (B)	.48		.22	.23	.2
Dissolved solids					
Calculated	290	213	252	237	202
Hardness as CaCO ₃	617	72	14	83	668
Percent sodium	91	59	92	53	661
Specific conductance (microhos at 25°C)	334	375	359	350	342
pH	8.6	7.4	8.3	7.9	8.0
Temperature (°F)	98	86	72	69	
Depth of well (feet)	1,536	1,050	260	300	
Analyzing laboratory	GS	GS	GS	GS	DWR
Laboratory number	8554	7210	8551	8552	P-681

See footnotes at end of table.

Well number	8/12-34P1		9/8-6H1		9/8-6H2
Date of collection	8-14-53	4-10-53	12-20-57	6-25-58	4-10-53
Results in parts per million					
Silica (SiO ₂)		46	41	39	34
Iron (Fe)		0	.02	.16	0
Calcium (Ca)	20	22	17	20	31
Magnesium (Mg)	6.0	8.1	4.7	7.8	12
Sodium (Na)	31	225	203	228	250
Potassium (K)	1.0	2.6	3.2	4.0	2.7
Bicarbonate (HCO ₃)	149	327	314	298	303
Carbonate (CO ₃)	0	0	0	0	0
Sulfate (SO ₄)	13	148	121	132	180
Chloride (Cl)	2.0	110	95	121	152
Fluoride (F)	.8	1.0	2.0	2.0	.6
Nitrate (NO ₃)	0	14	9.0	6.7	11
Boron (B)	0	1.2		1.0	1.2
Dissolved solids					
Calculated	147	739	657	709	824
Hardness as CaCO ₃	675	88	62	82	127
Percent sodium	47	84	87	85	81
Specific conductance (micromhos at 25°C)	262	1,170	1,040	1,150	1,310
pH	7.9	7.9	7.9	7.8	7.8
Temperature (°F)		64		68	68
Depth of well (feet)	150		467	467	354
Analyzing laboratory	DWR	GS	GS	GS	GS
Laboratory number	3358	6957	24623	26462	6955

See footnotes at end of table.

Well number	:	9/8-6H2	:	9/9-201 ^{1/}	:	9/9-201 ^{2/}	:	9/9-6A1		
Date of collection	:	12-20-57	:	4-9-58	:	4-24-53	:	4-24-53	:	4-10-53

Results in parts per million

Silica (SiO ₂)		40						25
Iron (Fe)		0						.2
Calcium (Ca)		29	29	42	9.7			30
Magnesium (Mg)		14	16	5.2	1.7			6.1
Sodium (Na)		236	237	48	157			47
Potassium (K)		3.6	4.0	5.0	34			.8
Bicarbonate (HCO ₃)		318	324	189	238			141
Carbonate (CO ₃)		0	0	0	23			0
Sulfate (SO ₄)		167	191	61	85			63
Chloride (Cl)		142	135	7.5	58			16
Fluoride (F)		1.6	1.6					.5
Nitrate (NO ₃)		13		.15	5.3			.8
Boron (B)								.14
Dissolved solids								
Calculated		304	774	262	496			258
Hardness as CaCO ₃		130	138	127	31			100
Percent sodium		79	78	44	82			50
Specific conductance (micromhos at 25°C)		1,250	1,260	457	634			402
pH		7.8	7.4	7.9	8.8			7.3
Temperature (°F)			73	70	69			68
Depth of well (feet)		354	354	122.8	122.8			199
Analyzing laboratory		GS	GS	GS	GS			GS
Laboratory number		24622	25671	7217	7216			7013

See footnotes at end of table.

Well number	9/9-6A1	9/9-6C1	9/9-6L1	9/9-6L1	9/9-6L1
Date of collection	6-24-58	4-10-53	4-10-53	4-10-53	4-10-53
Results in parts per million					
Silica (SiO ₂)	34	28	25	34	35
Iron (Fe)	0	0	0	.01	0
Calcium (Ca)	30	116	28	37	33
Magnesium (Mg)	5.8	29	6.2	8.1	8.1
Sodium (Na)	49	330	60	71	109
Potassium (K)	1.2	1.4	1.0	1.5	1.2
Bicarbonate (HCO ₃)	141	206	145	141	173
Carbonate (CO ₃) ³	0	0	0	0	0
Sulfate (SO ₄)	65	569	72	79	105
Chloride (Cl)	15	242	28	53	63
Fluoride (F)	.4	.6	.3	.7	1.0
Nitrate (NO ₃)	1.0	4.6	.8	.5	.8
Boron (B)	.1	1.0	.19	.1	.53
Dissolved solids					
Calculated	270	1,420	293	354	442
Hardness as CaCO ₃	93	403	95	126	116
Percent sodium	51	64	57	55	67
Specific conductance (micromhos at 25°C)	406	2,130	465	565	701
pH	7.5	7.7	7.7	7.3	7.8
Temperature (°F)	66	64	64	68	
Depth of well (feet)	199	117	147	147	126
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	26469	6960	7012	26458	6961

Well number	9/7-7M	9/9-8D1	9/9-10R1	9/9-10C1	
Date of collection	4-23-53	4-23-53	4-24-53	4-10-53	6-22-58
Results in parts per million					
Silica (SiO ₂)				20	29
Iron (Fe)				0	.02
Calcium (Ca)	27	21	27	30	30
Magnesium (Mg)	5.2	2.5	3.0	2.9	2.7
Sodium (Na)	79	87	41	49	49
Potassium (K)	3.8	2.9	2.9	2.6	3.0
Bicarbonate (HCO ₃)	166	161	124	140	137
Carbonate (CO ₃)	0	0		0	0
Sulfate (SO ₄)	b86	b108	b62	64	59
Chloride (Cl)	28	7.5	4.2	14	16
Fluoride (F)				.3	.2
Nitrate (NO ₃)	1.5	.9	.6	.6	.6
Boron (B)				.15	.2
Dissolved solids					
Calculated	312	309	202	253	257
Hardness as CaCO ₃	89	63	80	87	86
Percent sodium	65	74	52	54	54
Specific conductance (microhos at 25°C)	543	498	334	401	395
pH	6.9	8.0	7.9	7.8	7.7
Temperature (°F)	68	66	68	70	63
Depth of well (feet)	245.4	32.1	106.0	360	360
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	7213	7212	7218	7015	26464

See footnotes at end of table.

Well number	9/10-8P1	9/10-16Cl	9/10-16N1	9/10-16P1	9/10-22J1
Date of collection	6-24-58	5-2-58	4-3-52	5-2-58	6-5-52
Results in parts per million					
Silica (SiO ₂)	27		37		23
Iron (Fe)	.17		.05		.01
Calcium (Ca)	47	509	99	91	30
Magnesium (Mg)	9.8	165	22	8.0	4.5
Sodium (Na)	134	640	103	99	a43
Potassium (K)	3.6	19	2.4	2.6	
Bicarbonate (HCO ₃)	222	80	184	69	148
Carbonate (CO ₃) ³	0	0		0	
Sulfate (SO ₄)	121	b720	221	b226	54
Chloride (Cl)	96	1,810	119	133	5.8
Fluoride (F)	2.0		.4		.3
Nitrate (NO ₃)	2.5		2.6		.4
Boron (B)	.5		.17		
Dissolved solids					
Calculated	553	3,900	698	594	234
Hardness as CaCO ₃	158	1,950	338	260	94
Percent sodium	64	41	40	45	50
Specific conductance (micromhos at 25°C)	917	6,430	1,080	997	361
pH	7.7	7.1	7.7	7.1	8.0
Temperature (°F)	69	75	67		
Depth of well (feet)	137.1	147.9	396	532	
Analyzing laboratory	GS	GS	GS	GS	GS
Laboratory number	26467	25931	8528	25930	19166

See footnotes at end of table.

Well number	9/10-24F1			9/10-24G1	
Date of collection	5-19-54	4-10-58	6-24-58	10-16-51	6-22-53
Results in parts per million					
Silica (SiO ₂)	25		28	15	
Iron (Fe)	0		.99	0	
Calcium (Ca)	24	24	24	35	46
Magnesium (Mg)	3.0	5.4	24	3.5	3.5
Sodium (Na)	50	49	47	106	87
Potassium (K)	2.4	2.6	2.7		2.5
Bicarbonate (HCO ₃)	142	140	133	171	130
Carbonate (CO ₃)	0	0	0		0
Sulfate (SO ₄)	53	68	50	72	84
Chloride (Cl)	7.2	4	7.3	80	86
Fluoride (F)	.5	.4	.3	.4	
Nitrate (NO ₃)	.6		.4	.06	
Boron (B)			.1	2.0	
Dissolved solids					
Calculated	236	223	253	401	377
Hardness as CaCO ₃	72	82	70	109	120
Percent sodium	59	55	58	68	69
Specific conductance (microhos at 25°C)	363	329	351		600
pH	8.2	7.0	7.9	7.5	7.5
Temperature (°F)	74	68	63		61
Depth of well (feet)	430	430	430	750	750
Analyzing laboratory	GS	GS	GS	CT	GS
Laboratory number	32	25075	25063	7551	757

See footnotes at end of table.

Well number	:	9/10-24G1	:	9/10-25H2	:	9/11-18L1
Date of collection	:	4-10-58	:	6-24-58	:	4-3-52
	:		:		:	5-9-52
	:		:		:	4-10-53

Results in parts per million

Silica (SiO ₂)		27		28		38		26
Iron (Fe)		.03		.06		.10		.2
Calcium (Ca)	26	32		24		7.3		6.0
Magnesium (Mg)	4.6	2.7		2.5		1.7		1.2
Sodium (Na)	49	59		50		2123		124
Potassium (K)	2.7	2.8		1.8				1.0
Bicarbonate (HCO ₃)	143	138		139		189		174
Carbonate (CO ₃)	0	0				Trace		6
Sulfate (SO ₄)	663	62		54		49		52
Chloride (Cl)	7.5	35		8.8		56		57
Fluoride (F)	.4	.3		.3		1.6		2.6
Nitrate (NO ₃)		.6		1.5		.9		1.0
Boron (B)		.5		.16				.12
Dissolved solids								
Calculated	223	290		239		371		363
Hardness as CaCO ₃	84	91		70		25		20
Percent sodium	55	53		60		91		93
Specific conductance (micromhos at 25°C)	357	463		361		591		585
pH	7.0	7.7		8.1		8.3		8.6
Temperature (°F)	62	64		67				66
Depth of well (feet)	750	750		120				
Analyzing laboratory	GS	GS		GS		GS		GS
Laboratory number	25674	26465		8531		17437		7010

See footnotes at end of table.

Well number	:	9/11-18M2	:	9/12-16J1	:	9/12-24C1	:	9/12-24J1
Date of collection	:	6-7-52	:	4-10-53	:	8-15-53	:	8-15-53
Results in parts per million								
Silica (SiO ₂)		40		44				
Iron (Fe)		.01		0				
Calcium (Ca)		12		9.9		49		11
Magnesium (Mg)		2.5		.6		16		1.5
Sodium (Na)		all 0		108		80		80
Potassium (K)				1.3		3.1		1.8
Bicarbonate (HCO ₃)		171		164		188		137
Carbonate (CO ₃)				0		0		0
Sulfate (SO ₄) ³		52		50		116		27
Chloride (Cl)		58		57		58		39
Fluoride (F)		1.6		1.8		1.2		1.4
Nitrate (NO ₃)		.4		1.8		2.0		7.4
Boron (B)				.47		.52		.16
Dissolved solids								
Calculated		360		356		419		236
Hardness as CaCO ₃		40		27				634
Percent sodium		86		89		47		83
Specific conductance (micromhos at 25°C)		571		555		730		416
pH		7.8		8.0		7.2		7.8
Temperature (°F)				64				
Depth of well (feet)		24.7		24.7		200		150
Analyzing laboratory		GS		GS		DWR		DWR
Laboratory number		19440		7019		3351		3348
								3365

See footnotes at end of table.

Well number	9/13-23B1	10/8-4A1	10/9-4D1	10/9-4D2	10/9-7A1
Date of collection	4-17-52	4-2-52	2-8-57	8-9-58	7-22-47
Results in parts per million					
Silica (SiO ₂)	36	42		7	33
Iron (Fe)	1.2	1.6		0	.03
Calcium (Ca)	86	44	4.3	3.0	8.5
Magnesium (Mg)	17	5.6	.4	2.0	1.6
Sodium (Na)	70	197	119	129	a234
Potassium (K)	2.5	4.8	.6		
Bicarbonate (HCO ₃)	187	115	213	183	330
Carbonate (CO ₃)			0	13	0
Sulfate (SO ₄)	178	162	b58	70	109
Chloride (Cl)	65	210	24	31	102
Fluoride (F)	.7	.5	1.2	1.0	3.1
Nitrate (NO ₃)	5.2	1.1		1.0	.5
Boron (B)	.31	1.1		0	
Dissolved solids					
Calculated	554	727	255	350	657
Hardness as CaCO ₃	284	133	12	16	28
Percent sodium	35	76	95	95	b95
Specific conductance (micromhos at 25°C)	847	1,200	549		1,040
pH	7.8	8.1	7.7	8.3	7.4
Temperature (°F)	68	72	70		66
Depth of well (feet)	290		502	500	200
Analyzing laboratory	GS	GS	GS	CI	GS
Laboratory number	8526	8530	21603		8743

See footnotes at end of table.

Well number	10/9-7A1			
Date of collection	5-6-48	11-20-50	4-10-53	1-7-58
Results in parts per million				
Silica (SiO ₂)	36	40	36	38
Iron (Fe)	.06	.02	0	.20
Calcium (Ca)	7.5	10	11	14
Magnesium (Mg)	3.3	3.3	3.8	3.9
Sodium (Na)	a231	a251	260	300
Potassium (K)			2.0	3.6
Bicarbonate (HCO ₃)	325	318	314	298
Carbonate (CO ₃)	0	0	0	0
Sulfate (SO ₄)	105	107	109	95
Chloride (Cl)	107	145	162	246
Fluoride (F)	2.7	2.3	1.2	2.0
Nitrate (NO ₃)	.3	1.3	3.3	2.3
Boron (B)			.53	.5
Dissolved solids				
Calculated	653	717	744	852
Hardness as CaCO ₃	32	38	43	31
Percent sodium	b94	93	93	92
Specific conductance (micromhos at 25°C)	1,060	1,150	1,230	1,470
pH	7.6	8.0	8.0	8.1
Temperature (°F)	66	66	66	66
Depth of well (feet)	200	200	200	200
Analyzing laboratory	GS	GS	GS	GS
Laboratory number	10019	15415	6952	26460

See footnotes at end of table.

Well number	10/9-7A2			
Date of collection	1-2-47	4-10-53	1-7-58	4-9-58
Results in parts per million				
Silica (SiO ₂)	33	42	37	
Iron (Fe)	.07	0	.03	
Calcium (Ca)	14	15	23	21
Magnesium (Mg)	4.9	4.7	6.0	7.7
Sodium (Na)	a310	335	304	362
Potassium (K)		2.4	4.5	3.5
Bicarbonate (HCO ₃)	302	299	275	238
Carbonate (CO ₃)	0	0	0	0
Sulfate (SO ₄)	133	146	132	b133
Chloride (Cl)	236	258	400	350
Fluoride (F)	3.5	2.0	2.0	3.0
Nitrate (NO ₃)	1.2	2.0	2.1	
Boron (B)		.72	.7	
Dissolved solids				
Calculated	886	955	1,130	1,020
Hardness as CaCO ₃	55	57	42	84
Percent sodium	b92	92	90	90
Specific conductance (micromhos at 25°C)	1,480	1,570	1,950	1,780
pH	7.9	7.9	7.6	7.1
Temperature (°F)	58	68	66	69
Depth of well (feet)	200	200	200	200
Analyzing laboratory	GS	GS	GS	GS
Laboratory number	7961	6954	26461	25673

See footnotes at end of table.

Well number	:	10/9-3661	:	10/11-18P1
Date of collection	:	1-2-47	:	7-22-47
	:		:	12-2-52
Results in parts per million				
Silica (SiO ₂)		40		37
Iron (Fe)		.22		.04
Calcium (Ca)		13		16
Magnesium (Mg)		7.9		8.5
Sodium (Na)		e328		e329
Potassium (K)				5.9
Bicarbonate (HCO ₃)		351		360
Carbonate (CO ₃)		0		0
Sulfate (SO ₄)		195		191
Chloride (Cl)		204		206
Fluoride (F)		2.7		1.9
Nitrate (NO ₃)		8.0		1.7
Boron (B)				
Dissolved solids				
Calculated		979		968
Hardness as CaCO ₃		78		75
Percent sodium		b90		b91
Specific conductance (micromhos at 25°C)		1,570		1,580
pH		7.9		7.4
Temperature (°F)				
Depth of well (feet)		93.5		93.5
Analyzing laboratory		GS		GS
Laboratory number		7962		8774
				5865

See footnotes at end of table.

Well number	10/12-24M1	10/12-24P1	11/9-32Q1	
Date of collection	11-28-52	12-2-52	9-14-57	8-2-58
Results in parts per million				
Silica (SiO ₂)	52		22	8
Iron (Fe)				0
Calcium (Ca)	129	101	6.4	9.0
Magnesium (Mg)	33	26	2.9	3.0
Sodium (Na)	a204	94	145	155
Potassium (K)		2.7		
Bicarbonate (HCO ₃)	228	179	198	239
Carbonate (CO ₃)	9		7.2	0
Sulfate (SO ₄) ³	312	136	78	82
Chloride (Cl)	263	152	62	62
Fluoride (F)			.9	1.0
Nitrate (NO ₃)	4.0	56		1.0
Boron (B)			.4	0
Dissolved solids				
Calculated	1,120	656	423	439
Hardness as CaCO ₃	456	359	28	35
Percent sodium	50	37		91
Specific conductance (micromhos at 25°C)		1,150	625	
pH		7.6	8.4	8.1
Temperature (°F)				
Depth of well (feet)	69	105	450	450
Analyzing laboratory	CT	GS	SE	CI
Laboratory number	107784	5804	440287	

See footnotes at end of table.

Part 2. Brief partial chemical analyses

Temperature: Where the temperature is given, the sample was collected from the pump discharge; where the temperature is omitted, the samples were mainly collected from a storage facility at the well.

Analyses by the Geological Survey. Chloride and hardness are given in parts per million.

Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance: (micromhos at 25°C)	Depth of well (feet)
7/9- 611	11- 6-51		36	155	540	330
20M1	11- 6-51	73	19	105	353	360
21B1	11- 6-51		105	150	867	317
2711	11- 6-51		74	215	746	265
28M1	11- 6-51		9.0	140	375	
34L1	11- 6-51		13	135	445	200
7/10- 1G1	11- 6-51		11	125	402	
2R1	11- 6-51	70	16	110	390	508
3M1	11- 6-51	68	11	155	367	
5N3	4- 1-52	73	6.4	130	357	980
20E2	4- 1-52	68	12	190	413	500
24D1	11- 6-51		18	130	411	363
32H1	4- 1-52	67	9.5	180	397	418
7/11- 10W2	4- 3-52	66	11	100	274	300
14M1	4- 1-52	74	8.3	20	209	
17Q1	4- 1-52	62	9.3	55	230	
25B1	4- 1-52	71	11	140	344	465
33M1	4- 1-52	64	24	55	508	
7/12- 15R1	11- 7-51		11	95	299	100
2511	4- 1-52		5.2	95	245	
29E1	11- 7-51	72	55	165	476	250
8/9- 4P1	11- 6-51	68	11	25	427	127.3
4P2	4- 1-53		20		522	62
	4-30-56		22		495	62
	3- 6-57		22		500	62
6D1	4- 1-53		8.5		543	200
	7- 6-56		10		547	200
	4-10-57		9.5		487	200
10B1	11- 6-51	81	130	125	1,130	200
12E1	11- 6-51	82	9.0	170	300	
8/10- 171	12-11-51	66	9.0	65	462	150
	12-11- 1	66	7.0	100	506	150
	4-30-56		8.5		477	150
	3- 6-57		44		657	150
	5- 3-57		4.0		488	150

Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	Depth of well (feet)
8/10- 2F1	11- 6-51	68	11	110	416	150
	4-30-56		13		457	150
	10- 3-57		12		460	150
8M1	4- 1-52	78	8.5	40	338	740
11D1	11- 6-51	68	11	105	353	150
15M1	11- 6-51		17	155	437	240
17J2	11- 6-51		8.0	170	451	206
19M2	4- 1-52	82	15	60	501	728
23F1	4- 1-52	67	33	180	567	250
23G1	11- 6-51		12	120	404	
24B1	11- 6-51		126	290	853	
26Q1	11- 6-51		10	125	423	360
28A1	4- 1-52	67	4.6	120	337	288
31G1	4- 1-52	66	19	230	573	346
8/11-10E1	4- 4-52		6.8	85	237	612
12F2	4- 1-52	65	39	245	678	140
22E3	4- 3-52	65	20	35	519	200
22P1	4- 3-52	63	85	460	1,130	
23A2	4- 3-52	65	33	165	485	228
27J1	4- 3-52	66	33	540	1,090	
32M1	4- 4-52		6.8	85	237	250
33R1	4- 3-52	67	34	155	440	
35J1	4- 3-52	88	83	15	407	1,536
36N4	4- 3-52	67	13	210	492	330
8/12- 2Q1	4- 4-52	71	13	5	362	260
6B1	11- 7-51	73	18	85	331	300
11D1	11- 7-51	71	12	15	316	
13D1	11- 7-51		7.0	25	561	
14E1	4- 4-52	69	15	10	316	497
17M1	11- 7-51	70	25	90	373	300
21Q1	11- 7-51	68	24	75	364	207
23J1	11- 7-51	64	12	30	411	
30K2	11- 7-51		31	115	430	507
34P1	11- 7-51		4.0	80	241	150
9/8- 6H1	4- 7-53		134		1,300	467
	4-30-56		100		1,100	467
	10- 1-57		102		1,150	467
6H2	11- 8-51	72	147	125	1,200	354
	4- 7-53		140		1,340	354
	4-30-56		139		1,220	354
	10- 1-57		134		1,290	354

Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	Depth of well (feet)
9/9- 6A1	4- ?-53		14		407	199
	4-30-56		14		394	199
	10- 2-57		18		408	199
	6C1 4- ?-53		235		2,240	117
	6L1 11- 8-51	70	26	105	429	117
	4- ?-53		27		469	117
	4-30-56		24		460	117
	5-21-57		39		503	117
	10- 2-57		48		542	117
	6A1 11- 8-51	69	60	110	617	126
4- ?-53		64		706	126	
7- ?-56		63		703	126	
1- ?-57		45		598	126	
18C1	1-17-52	68	19	105	420	360
	4- ?-53		18		439	360
	4-30-56		17		410	360
	3- 6-57		27		451	360
	10- 2-57		19		413	360
27H1	1-16-52		14	30	377	
9/10- 8P1	11- 8-51	69	254	415	1,500	137.1
	4-30-56		137		903	137.1
	3- 6-57		101		862	137.1
	10- 2-57		98		926	137.1
	16A1 11- 8-51	70	447	315	2,430	
	16C1 11- 8-51		87	240	814	147.9
	4- 3-52	68	915	350	7,960	147.9
	16C2 4- 3-52	68	139	345	1,160	216
	16C1 11- 8-51		23	135	436	198.2
	16N1 12-21-51		107	320	979	396
4- 3-52	67	122	365	1,070	396	
22J1	11- 8-51		9.0	95	338	
	4- ?-53		5.5		362	
	1- ?-56		8.5		357	
	3- ?-57		6.8		357	
	8- 8-57		22		376	
22J2	11- 8-51		8.0	95	332	120
	4- ?-53		7.5		368	120
	3- 6-57		15		422	120
	7- 3-57		16		444	120
	24C1 4-30-56		41		576	150
4-18-57		34		530	150	
10- 2-57		33		537	150	
24C1 8- 8-57		51		601	150	
10- 2-57		50		644	150	

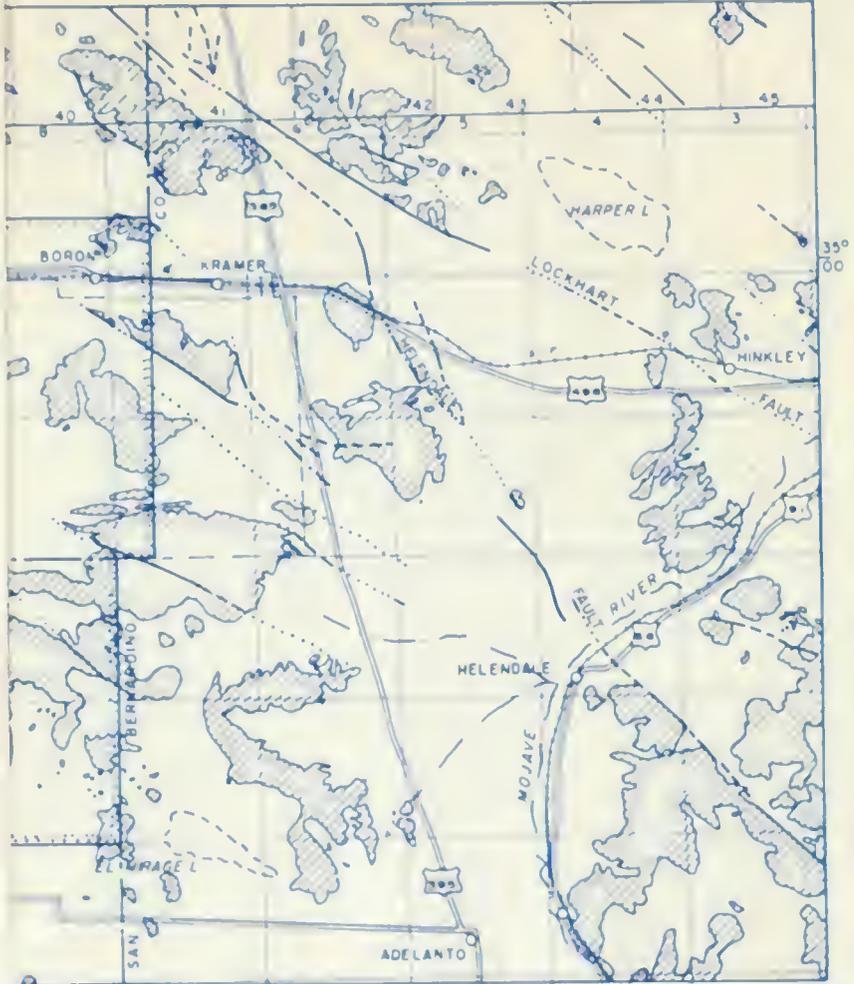
Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	Depth of well (feet)
9/10-24F1	1-17-52	66	8.7	85	358	430
	4-?-53		8.0		374	430
	4-30-56		8.0		364	430
	10-2-57		7.7		356	430
24G1	8-5-53		10		400	750
	4-10-57		41		486	750
	10-2-57		36		467	750
28C1	11-8-51		69	235	726	
28H2	11-8-51		15	85	377	120
28L1	11-8-51		11	50	335	50
30J1	11-8-51		315	215	1,850	
32R1	11-8-51		8.0	30	324	275
34P2	11-8-51	73	8.0	45	330	240
9/11-18L1	5-?-53		58		586	
18M2	11-8-51	63	61	40	564	24.7
22K1	11-8-51	66	879	480	3,850	
	4-2-52	65	1,050	970	5,920	
26F1	11-8-51	66	61	35	563	165
36J1	4-5-52	65	14	15	389	109.9
36L1	4-5-52		15	30	437	
36N1	4-5-52	65	23	70	549	
9/12-19D1	11-7-51	69	121	455	1,170	250
21A1	11-7-51		21	165	492	181
21D3	11-7-51		32	205	596	107.2
23C1	11-7-51	68	28	50	400	
24C1	11-7-51	68	42	85	442	150
26Q1	c/11-7-51	74	27	40	416	300
28N1, 2	11-7-51		15	95	363	250
35N1	11-7-51	69	15	40	347	280
9/13-23B1	11-7-51	69	62	290	829	290
10/3-4A1	12-21-51		179	150	1,080	
10/9-7A1	4-?-53		155		1,230	200
	4-30-56		195		1,330	200
	10-2-57		228		1,430	200
7A2	4-?-53		248		1,560	200
	4-30-56		275		1,600	200
	8-2-57		350		1,430	200
	10-2-57		304		1,870	200
23B1	11-27-51		17	45	426	145
24B1	11-27-51		9.6	15	988	170
30P1	1-14-52		9.4	155	728	132
36G1			206	75	580	93.5

See footnotes at end of table.

Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	Depth of well (feet)
10/10-25F1	1-14-52		75	90	767	
28H1	11-16-51	68	247	200	1,290	
10/12-22B1	11- 7-51		135	715	1,740	180
	12- 4-52		106	507	1,380	180

1. After pumping 2 hours.
2. After pumping 30 minutes.
- b. Calculated by Ground Water Branch, U.S. Geological Survey.
- c. Component sample.

FIGURE 1



INFERRED
 INVESTIGATION
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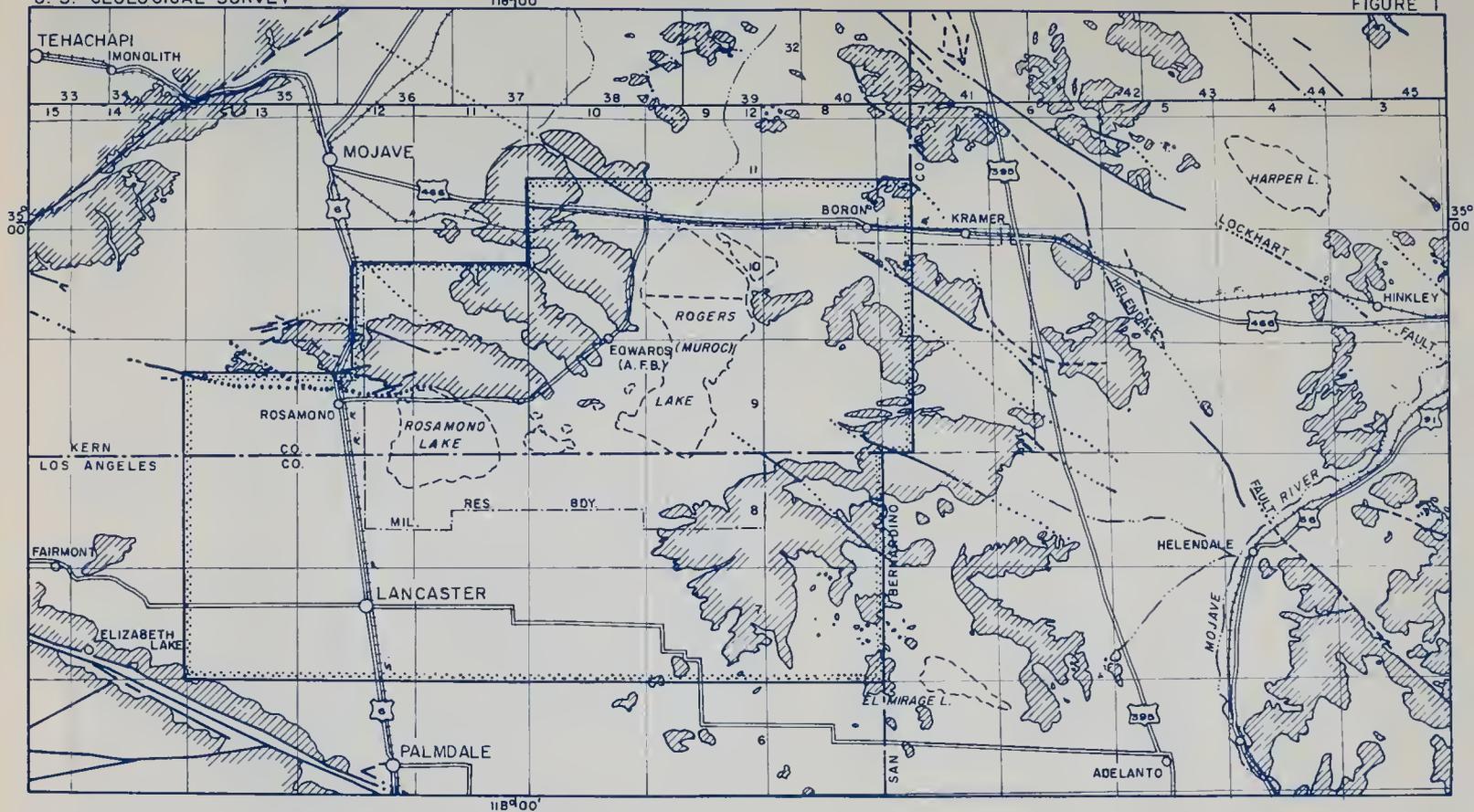
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INDEX MAP OF PART OF
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Well number	Date	Temperature (°F)	Chloride	Hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	Depth of well (feet)
10/10-25R1	1-14-52		75	90	767	
28H1	11-16-51	68	247	200	1,290	
10/12-22B1	11- 7-51		135	715	1,740	180
	12- 4-52		106	507	1,380	180

1. After pumping 2 hours.
2. After pumping 30 minutes.
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- c. Component sample.



Base map from U. S. Geological Survey
topographic map of State of California,
south half, scale 1:500,000



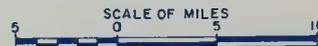
MAP LOCATION

LEGEND

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- BOUNDARY OF INVESTIGATION
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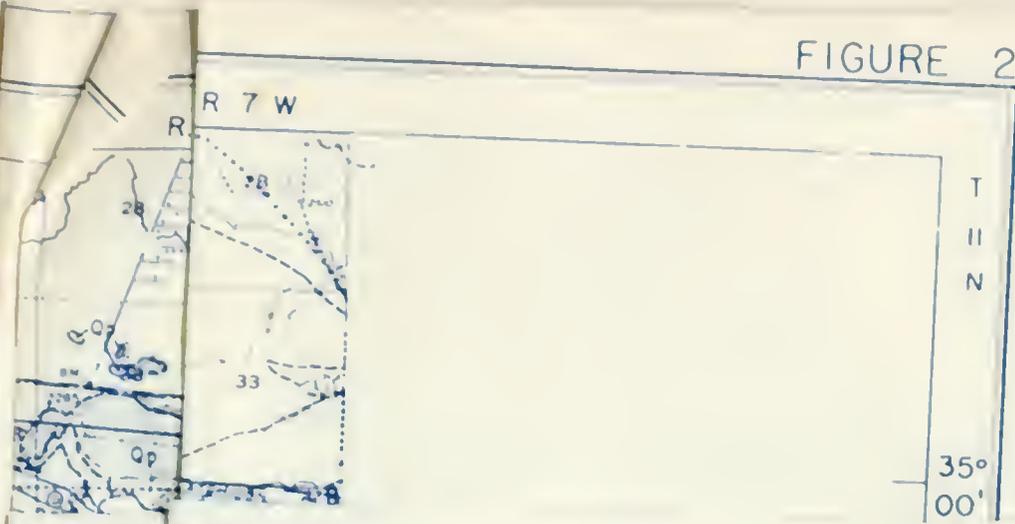
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FIGURE 2





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later date

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