

Water Levels and Artesian Pressures in Observation Wells in the United States 1953

Part 4. South-Central States

Prepared under the direction of A. N. SAYRE, Chief, Ground Water Branch

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*Prepared in cooperation with the States
of Arkansas, Louisiana, Oklahoma,
and Texas, and with other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

Douglas McKay, *Secretary*

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PREFACE

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WATER LEVELS AND ARTESIAN PRESSURES
IN OBSERVATION WELLS IN THE UNITED STATES
IN 1953

Part 4. SOUTH-CENTRAL STATES

INTRODUCTION

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six annual volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1953.

Year	North- eastern (1)	South- eastern (2)	North- central (3)	South- central (4)	North- western (5)	South- western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270

The objectives of the observation-well program are to provide a day-to-day evaluation of available ground-water supplies, to facilitate the prediction of trends in ground-water levels that will indicate the probable status of important ground-water supplies in the future, to delineate present or potential areas of detrimentally high or low ground-water levels, to aid in the prediction of the base flow of streams, to determine the several forces that act on a ground-water body, and to demonstrate the interplay of those forces in the ground-water regimen, to furnish information for use in basic research, and to provide long-term continuous records of fluctuations of water levels in representative wells. These selected records serve as a framework to which many short-term records collected during an intensive investigation may be related.

Water levels in wells are seldom stationary but move up or down a fraction of an inch or many feet within a short time. Water-table wells may be influenced by direct recharge from precipitation, withdrawals from wells or springs, evapotranspiration by vegetation, evaporation from the soil, and changes in atmospheric pressure. Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric pressure, earthquakes, ocean tides, earth tides, and recharge from precipitation, although the recharge may not be noticeable immediately. When accurate comparisons of water levels are made it is desirable to apply corrections for these influences, several of which may be compensating or additive according to the conditions at those particular times.

Water-level measurements are given in feet with reference to land-surface datum or sea-level datum. Land-surface datum is a precise datum plane that is approximately at land surface at each well. Mean sea level (msl) is the datum plane on which the national network of precise levels is based. When some measurements in a table are above and others are below the plane of reference, a plus (+) or minus (-) sign is placed immediately preceding the first entry in each column. Readings between minus signs are below the plane of reference and those between plus signs are above the plane of reference.

For the most part, discussions of precipitation in this report are based on data furnished by the United States Weather Bureau.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States.

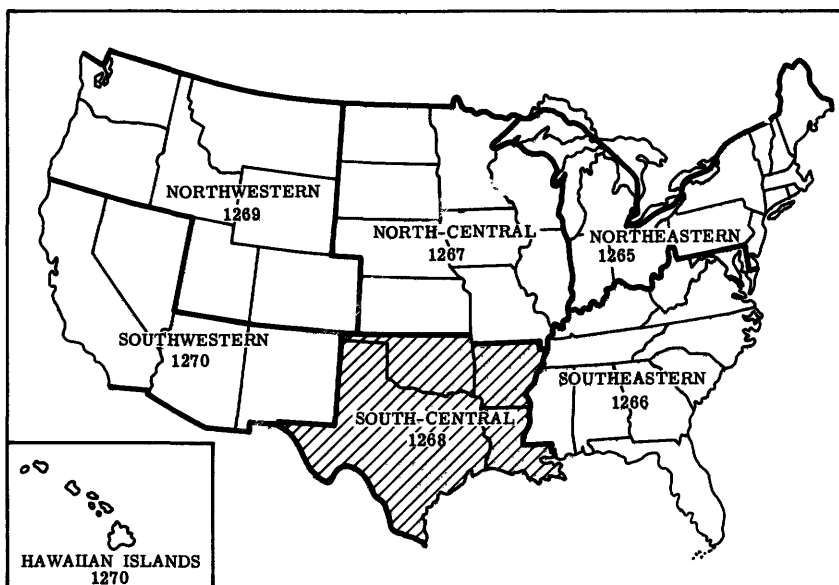


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1953. The shaded area indicates the States included in this volume.

Penn Livingston had general charge of the nationwide observation-well program; Verda M. Dougherty assembled and edited the reports.

ARKANSAS

By R. C. Baker

Scope of Water-Level Program

The observation-well program in Arkansas was continued in 1953 in cooperation with the State Agricultural Experiment Station, the Federal Land Bank of St. Louis, and the Division of Geology of the Arkansas Resources and Development Commission. Monthly measurements for 21 wells and the daily record of 3 recording gages are included in this report. Annual measurements for 2 wells tapping sand of Claiborne age are given. Also included is information about the yearly change in water levels in about 325 seasonally used rice irrigation wells tapping deposits of Quaternary age. Investigation of ground-water conditions was started in Chicot, Desha, Drew, and Lincoln Counties in southeastern Arkansas in the spring of 1952. In this area there is a general change from cotton to rice as a major crop. (See figs. 2-4.)

Precipitation

The total average precipitation for Arkansas for 1953 was 43.45 inches. The average precipitation for Arkansas for 64 years is 48.73 inches. May was the wettest month with 7.59 inches and June was the driest month with 0.63 inch precipitation. The year 1953 brought drought conditions to Arkansas that persisted from the closing days of May until early December. A severe shortage of water was felt in all sections during the late summer and fall months.

Pumpage

No estimate of pumpage in Arkansas has been made for 1953. In 1952 ground water was used at an estimated yearly rate of about 865 million gallons per day. Of this about 720 million gallons daily was for irrigation, of which rice is the principal irrigated crop; 145 million gallons per day was for public supply, domestic, and industrial use. Most of the ground water was used in the Gulf Coastal Plain area which is the southeastern half of the State. Rice is grown in the eastern part of the State from the Missouri boundary to the Louisiana boundary. The rate of use of ground water for irrigation is increasing tremendously, particularly in the northeastern and southeastern parts of the State. There has been an increase in the industrial use of ground water in the State, particularly in the central and southern parts.

Interpretation of Water-Level Fluctuations

Water-level fluctuations in wells are caused by natural recharge and discharge, atmospheric pressure changes, and pumping. Natural recharge and discharge depend largely on the size and location of the recharge and discharge areas, the composition of the material the water moves through, and the availability of water. The extent of fluctuation due to natural recharge and discharge usually is difficult to determine. Water levels in many wells fluctuate as a result of changes in atmospheric pressure and may differ as much as one foot in a few days. Changes in water levels in most of the wells are caused by pumping. When pumping begins the water level in and near the well declines rapidly at first and then at a decreasing rate as pumping continues. When pumping stops the water level rises rapidly at first and then at a decreasing rate, finally approaching the level at which it would have stood had there been no pumping. Most of the ground water used for irrigation in Arkansas is taken from wells tapping deposits of Quaternary age. These wells are generally less than 200 feet in depth and are known locally as "shallow" or "Quaternary" wells. A relatively minor amount of water for irrigation is taken from deposits of Claiborne age and wells tapping these deposits are known locally as "deep" wells. Pumping from irrigation wells is seasonal in nature. The water levels stand highest in the spring before pumping begins, then decline during the summer as a result of pumping. After pumping stops in the fall, the water levels rise and by spring tend to stand near the previous spring levels. The general trend of water levels or artesian head in irrigated areas may be determined by annual measurements in the spring, made as late as possible before pumping begins. In some years the measurements of water levels were made in the fall, but the general trend of water levels may be marked by local irregularities caused by differences in pumping. Annual spring measurements are made in a large number of irrigation wells.

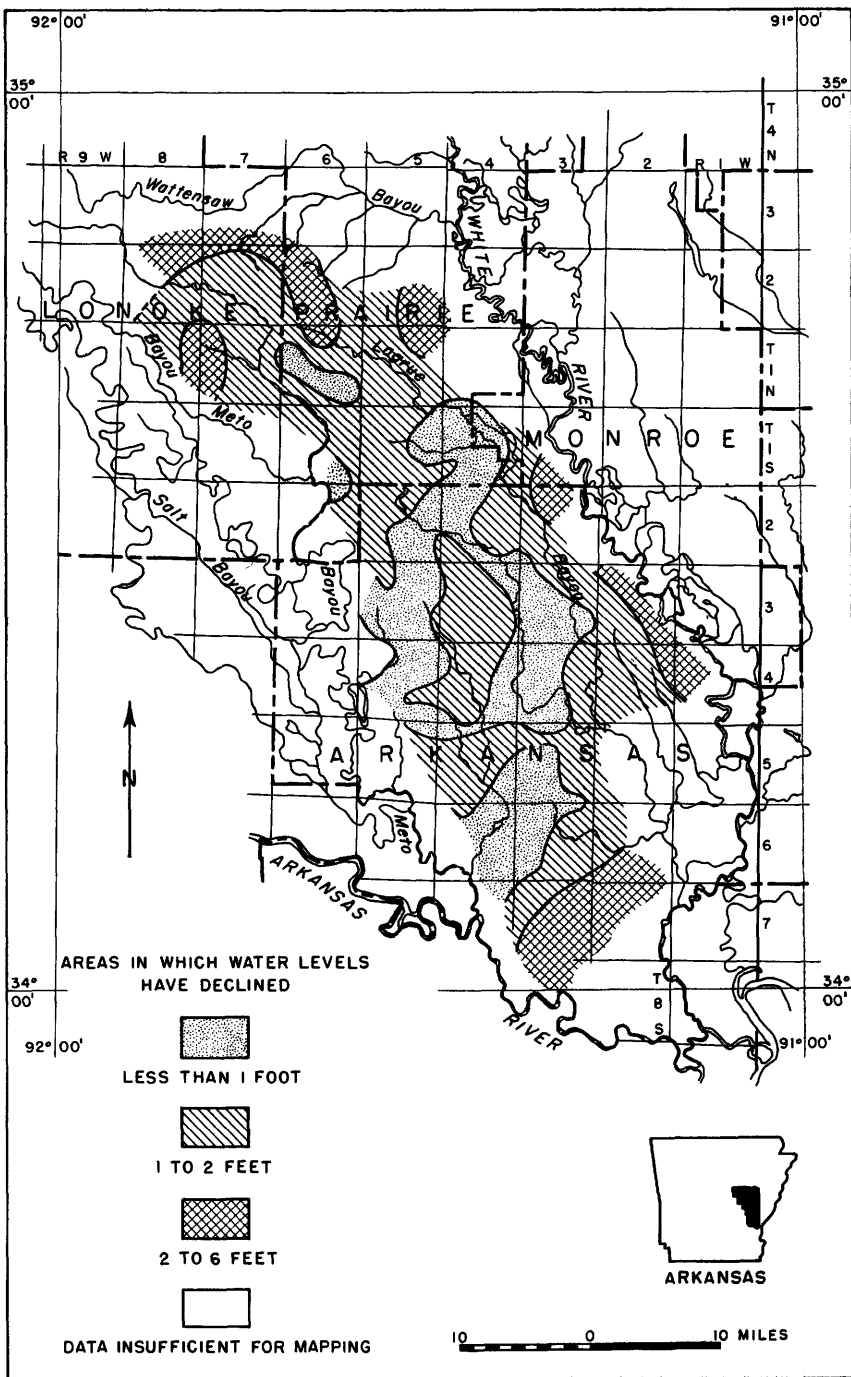


Figure 2.-- Change in water levels in the Grand Prairie region, Arkansas, April 1952 to April 1953.

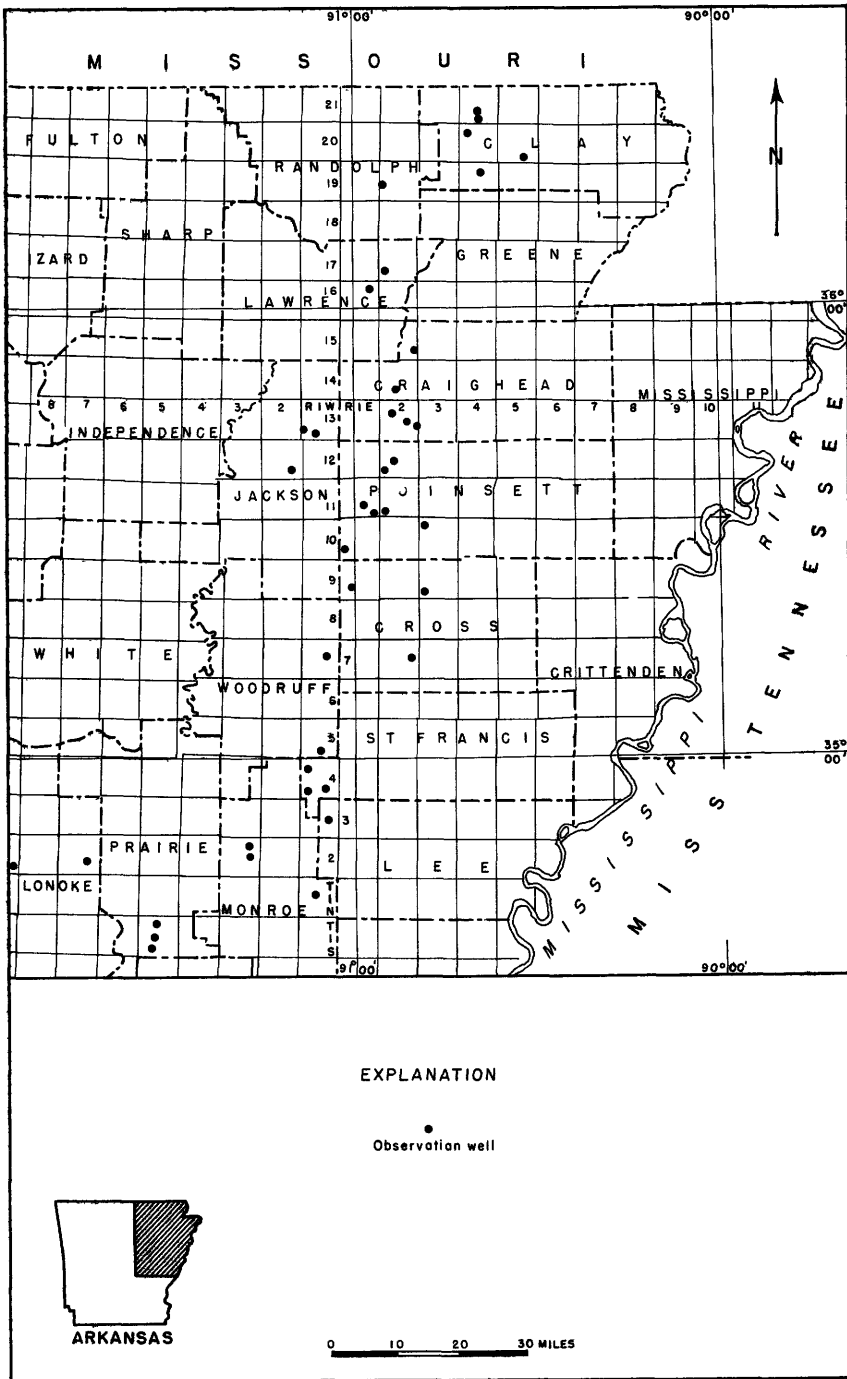


Figure 3. --Location of observation wells in northeastern Arkansas, 1953.

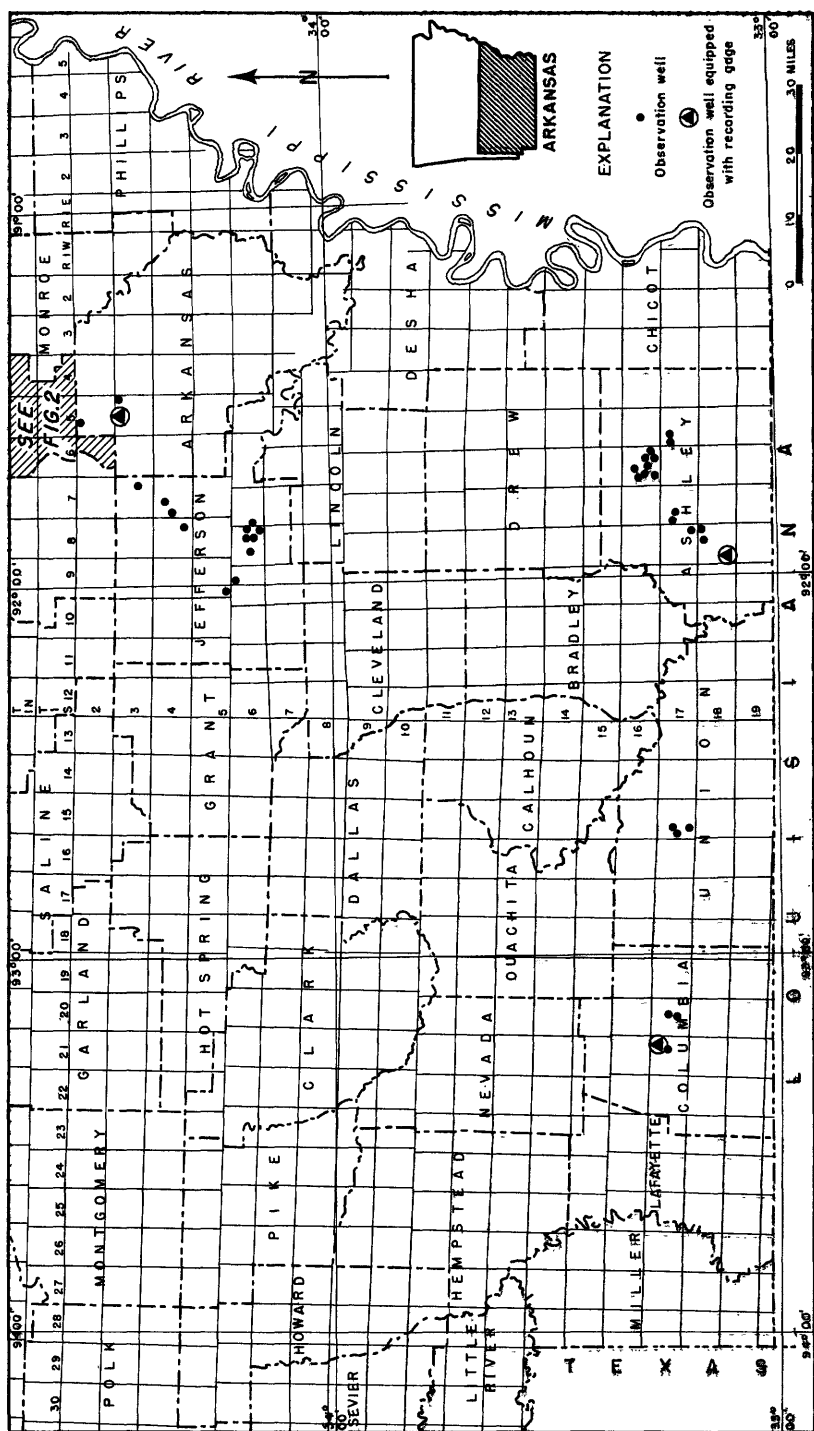


Figure 4. --Location of observation wells in southeastern Arkansas, 1953

The publication of data for the wells tapping deposits of Quaternary age, for which annual measurements have been published in previous annual water-level reports and for which no measurements appear in this report, has been discontinued in the annual water-level reports. Instead the yearly change in water levels is shown on maps. On figure 2, which is the Grand Prairie region, the change in water levels from April 1952 to April 1953, in about 275 wells tapping deposits of Quaternary age, is shown by patterns. Fluctuations in water levels in this region are caused in part by barometric pressure so the measurements have been corrected for these changes. Barometric readings from a barograph are available from the Department of Agricultural Engineering of the University of Arkansas at Fayetteville. Most of the changes of water levels shown for the Grand Prairie region are caused by pumping. Apparently the amount of recharge from local precipitation is very small. At several places there is evidence of recharge through abandoned wells. Some water-level fluctuations in wells near the White River are caused by stages of the river. Figures 3 and 4 show the number and location of observation wells tapping deposits of Quaternary age in northeastern and southeastern Arkansas. In these areas the wells are so scattered that it is not possible to show the changes in water levels by means of patterns.

Pumping in wells for public supply and industrial use, such as at Altheimer and Pine Bluff in Jefferson County, Crossett in Ashley County, El Dorado in Union County, and Magnolia in Columbia County, generally is continuous throughout the year and there may not be a marked seasonal trend of water levels. The water levels in these wells may be affected at any time during the year by temporary or local irregularities in the distribution and rate of pumping. Single annual water-level measurements will not show the general trend of the water levels so well as measurements made at monthly intervals or nearly so wells as continuous records of water levels from recording gages.

Acknowledgments

Professor Kyle Engler of the Department of Agricultural Engineering, University of Arkansas, assisted in making the annual water-level measurements in irrigation wells in 1953.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of the well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters--a, b, c, and d--indicate the well location within the section; the first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, starting in the northeast quarter.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Arkansas County

2S5W-4bbb1. Mike Prislowsky. Drilled irrigation artesian well in deposits of Quaternary age, diameter 24 inches. Land-surface datum is 220 feet above msl. Highest water level 93.77 below lsd, Apr. 20, 1942; lowest 107.37 below lsd, Sept. 29, 1952. Records available: 1942, 1946-53. Jan. 28, 107.04; Feb. 27, 105.12; Mar. 30, 104.64; Apr. 28, 106.72; May 27, 104.92.

3S5W-2aab1. Clarence Weaver. Drilled irrigation artesian well in sand of Claiborne group, diameter 12 inches, depth 801 feet. Highest water level 59.22 below lsd, Mar. 29, 1951; lowest 93.07 below lsd, Aug. 28, 1952. Records available: 1951-53. Jan. 28, 66.30; Feb. 27, 65.83; Apr. 28, 67.73; June 29, 85.97.

3S5W-3bbb1. Fred Hederich. Drilled unused irrigation water-table well in deposits of Quaternary age, diameter 24 inches, depth 125 feet. Highest water level 79.05 below lsd, May 20, 1928; lowest 103.90 below lsd, Sept. 9, 1953. Records available: 1928-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	99.95	100.00	99.40	99.50	99.20	99.60	101.30	102.60	103.70	103.10	101.80	101.40
2	99.85	99.90	99.40	99.55	.....	99.70	101.10	102.70	103.55	103.25	101.85	101.20
3	99.95	99.75	99.30	99.60	.....	99.85	101.65	102.80	103.50	103.40	101.75	100.85
4	99.90	99.90	99.80	99.70	.....	100.40	101.95	102.85	103.50	103.05	101.65	101.10
5	99.95	99.80	99.85	99.60	.....	100.65	102.10	102.85	103.35	102.65	101.75	101.10
6	99.85	99.75	99.95	99.20	.....	100.95	102.15	102.90	103.55	102.55	101.80	101.30
7	99.80	99.85	99.95	.....	.....	101.10	102.30	103.00	103.70	102.65	101.70	101.35
8	99.75	99.95	100.10	.....	.....	101.35	102.45	103.10	103.85	102.50	101.80	101.20
9	99.75	100.10	100.00	99.40	.....	101.65	102.60	103.20	103.90	102.30	101.80	101.20
10	99.90	100.00	99.85	99.55	.....	101.80	102.70	103.25	103.85	102.10	101.70	101.25

3S5W-3bbb1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	100.25	99.70	99.60	99.45	.....	101.90	102.70	103.25	103.80	102.00	101.55	101.10
12	100.25	99.80	99.60	99.60	.....	101.70	102.55	103.30	103.70	102.10	101.55	101.15
13	100.00	99.90	99.60	99.75	.....	101.75	102.50	103.30	103.70	102.15	101.60	101.05
14	99.90	99.75	99.45	99.75	.....	101.70	102.50	103.30	103.55	102.20	101.60	101.25
15	100.10	99.75	99.75	99.65	.....	101.55	102.15	103.35	103.60	102.15	101.40	101.30
16	100.30	100.00	96.85	99.80	.....	101.70	101.85	103.30	103.65	102.05	101.30	101.55
17	100.10	100.25	99.70	99.60	.....	101.85	101.60	103.40	103.70	102.00	101.30	101.65
18	99.65	100.10	96.45	99.80	.....	101.95	101.55	103.45	103.80	102.00	101.20	101.60
19	99.75	96.95	99.65	99.90	.....	102.05	101.40	103.50	103.80	101.95	101.15	101.40
20	99.75	99.75	99.55	99.95	.....	102.20	101.30	103.50	103.35	102.00	101.15	101.05
21	99.90	100.25	96.30	99.75	.....	102.30	101.25	103.50	103.30	101.90	101.25	101.65
22	99.85	100.35	99.35	99.50	.....	102.40	101.20	103.60	103.40	101.85	101.20	101.30
23	99.55	100.25	99.50	99.50	.....	102.45	101.25	103.60	103.15	101.75	101.20	101.50
24	100.00	100.00	99.60	99.30	.....	102.45	101.30	103.60	102.85	101.70	101.05	101.45
25	100.10	99.70	99.85	99.40	.....	102.00	101.30	103.60	102.65	101.60	101.25	101.15
26	96.90	99.65	99.85	99.55	.....	101.80	101.35	103.70	102.45	101.50	101.40	101.00
27	99.80	99.55	99.70	99.60	.....	101.75	101.40	103.65	102.25	101.60	101.55	100.80
28	100.15	99.65	99.75	99.40	99.75	101.90	101.85	103.55	102.25	101.65	101.70	100.60
29	100.10		99.65	99.05	99.60	101.70	102.15	103.50	102.50	101.80	101.60	100.70
30	99.90		99.50	99.10	99.60	101.35	102.40	103.60	102.95	101.80	101.50	101.10
31	99.85		99.25		99.60		102.56	103.65		101.75		101.15

4S5W-1abc1. Charles W. McDougall. Drilled irrigation artesian well in sand of Claiborne group, diameter 6 inches, depth 929 feet. Land-surface datum is 199.6 feet above msl. Highest water level 37.45 below lsd, Apr. 11, 1938; lowest 51.20 below lsd, Mar. 26, 1953. Records available: 1938-53. Mar. 26, 51.20.

Ashley County

18S8W-1dab1. Daugherty & Son. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches. Highest water level 70.93 below lsd, Apr. 28, 1953; lowest 78.12 below lsd, Sept. 29, 1952. Records available: 1949-53. Jan. 28, 72.26; Feb. 26, 71.02; Apr. 1, 71.24; Apr. 28, 70.93; May 27, 71.19.

18S8W-1dba1. Daugherty & Son. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 128 feet. Land-surface datum is 175 feet above msl. Highest water level 70.90 below lsd, Apr. 23, 1946; lowest 80.72 below lsd, July 30, 1951. Records available: 1946, 1948-53. Jan. 28, 75.68; Feb. 26, 75.16; Apr. 1, 74.70; Apr. 28, 74.45; May 27, 74.65.

18S8W-29bcd1. Crossett Lumber Co. Drilled observation artesian well in deposits of Quaternary age, diameter 4 inches, depth 169 feet. Land-surface datum is 142.5 feet above msl. Highest water level 80.7 below lsd, July 5, 1949; lowest 87.3 below lsd, Dec. 22, 1953. Records available: 1949-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	85.4	85.8	85.7	85.8	85.9	86.1	86.2	86.2	86.4	....	87.1	87.1
2	85.4	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	....	87.1	87.0
3	85.5	85.8	85.7	86.0	86.2	86.1	86.2	86.2	86.4	86.7	87.1	86.9
4	85.5	85.8	85.8	86.0	86.2	86.1	85.7	85.9	86.4	86.7	87.1	87.2
5	85.6	85.7	86.0	85.6	86.3	86.1	86.0	86.2	86.4	86.7	87.1	87.0
6	85.6	85.8	86.0	85.6	86.1	86.1	86.0	86.3	86.4	86.8	87.1	87.1
7	85.6	85.9	85.9	85.9	86.0	86.1	86.1	86.3	85.7	86.8	87.1	87.1
8	85.6	85.9	86.0	85.9	86.1	86.2	86.2	86.3	85.6	86.8	87.1	87.0
9	85.6	85.9	85.9	85.9	86.1	86.2	86.2	86.3	85.9	86.8	87.2	87.0
10	85.7	85.7	85.8	86.0	86.1	86.2	86.2	86.3	86.1	86.8	87.1	87.0
11	85.8	85.7	85.9	85.7	86.1	86.1	86.2	86.3	....	86.8	87.2	87.0
12	85.6	85.9	86.0	85.8	86.1	86.1	86.2	86.3	....	86.9	87.2	87.1
13	85.6	85.9	85.9	86.2	86.0	86.1	86.2	86.3	....	86.9	....	87.0
14	85.6	85.7	85.8	86.0	86.1	86.1	86.2	86.3	....	86.9	....	87.1
15	85.7	85.8	85.9	85.9	86.0	86.2	86.2	86.3	....	86.9	....	87.0
16	85.7	85.8	86.0	86.1	85.9	86.2	86.2	86.3	....	86.9	....	87.1
17	85.7	85.9	85.9	85.8	86.0	86.2	86.1	86.4	....	86.9	86.2	87.1
18	85.7	85.8	85.7	85.7	86.0	86.2	86.1	86.4	86.4	86.9	86.6	87.0
19	85.6	85.7	85.7	86.2	86.0	86.1	86.1	86.4	86.4	86.9	86.7	87.0
20	85.7	85.7	85.8	86.1	86.0	86.2	86.0	86.4	86.5	86.9	86.9	86.9

18S8W-29bcd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	85.8	86.1	85.8	85.9	86.0	86.2	85.9	86.4	86.5	86.9	86.9	87.0
22	85.8	85.9	85.7	85.9	86.1	86.2	86.1	86.4	86.5	86.9	87.0	87.2
23	85.5	85.8	85.6	85.9	86.2	86.1	86.2	86.4	86.5	87.0	87.0	87.2
24	85.9	85.6	86.0	85.7	86.2	86.2	86.2	86.4	86.5	87.0	87.0	86.4
25	85.8	85.8	86.1	85.9	86.1	86.2	86.3	86.4	86.5	87.0	87.1	86.1
26	85.7	85.9	86.2	86.1	86.0	86.2	86.2	86.4	86.5	87.0	87.1	86.0
27	85.7	85.8	86.1	86.0	86.1	86.2	86.2	86.4	86.5	87.1	87.2	86.3
28	85.8	85.8	86.0	85.5	86.2	86.2	86.2	86.4	86.5	87.0	87.2	86.5
29	85.7		85.9	85.4	86.2	86.3	86.3	86.4	86.6	87.1	87.1	86.7
30	85.7		85.9	85.6	86.1	86.2	86.3	86.4	.....	87.1	87.1	86.8
31	85.8		....		86.1		86.2	86.4		87.1		86.8

Columbia County

17S20W-15abb1. Carter Oil Co. Drilled industrial artesian well in Sparta sand, diameter 10 to 6 inches, depth 442 feet. Land-surface datum is 357 feet above msl. Highest water level 288.89 below lsd, July 31, 1950; lowest 316.96 below lsd, Oct. 31, 1950. Records available: 1950-53. Jan. 29, 298.30; Feb. 25, 302.23; Apr. 29, 303.64; May 28, 300.51.

17S20W-22cdc1. Carter Oil Co. Drilled industrial artesian well in Sparta sand, diameter 10 to 6 inches, depth 470 feet. Land-surface datum is 254 feet above msl. Highest water level 217.80 below lsd, Sept. 27, 1951; lowest 237.65 below lsd, Oct. 29, 1952. Records available: 1950-53. Jan. 29, 228.08; Feb. 25, 218.50; Apr. 1, 220.45; May 28, 220.30.

17S21W-1bca2. Southern State College. Drilled unused public-supply artesian well in Sparta sand, diameter 4 inches, depth 430 feet. Land-surface datum is 345.5 feet above msl. Highest water level 236.7 below lsd, Dec. 4, 1951; lowest 261.9 below lsd, Oct. 17, 1952. Records available: 1950-53.

. Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1	241.6	242.5	242.8	242.9	242.4	242.1	242.9	242.1
2	241.1	242.4	242.7	242.6	241.4	242.5	243.0	242.3
3	240.8	242.8	243.0	241.7	241.2	242.4	242.6	242.1
4	241.6	243.0	243.2	241.1	241.3	242.8	241.9	241.9
5	243.5	243.0	243.5	240.4	241.9	242.4	241.8	243.0
6	242.6	243.1	243.3	239.9	242.3	242.1	242.0	243.1
7	243.2	242.6	243.0	239.8	242.7	242.4	242.6	243.1
8	243.6	242.5	242.8	.....	243.3	242.7	242.6	243.5
9	244.0	242.3	242.7	.....	242.8	243.0	242.0	242.2
10	244.0	242.7	242.8	.....	242.5	243.5	241.4	241.9
11	243.9	243.0	242.8	.....	244.9	243.2	241.7	241.8
12	244.1	242.7	242.6	.....	242.3	242.5	241.5	242.2
13	244.9	242.7	242.6	.....	242.2	241.7	240.9	243.5
14	245.7	242.3	242.4	.....	242.1	242.0	240.6	.....
15	244.6	242.4	242.3	.....	241.8	241.1	240.7	.....
16	245.1	242.1	242.2	.....	240.6	242.6	240.6	241.7
17	244.3	243.0	242.9	.....	240.4	245.0	240.3	241.1
18	244.4	242.7	242.8	.....	240.7	246.3	240.4	241.0
19	244.2	242.4	242.6	.....	240.8	245.0	240.0	240.4
20	243.8	242.3	242.9	.....	240.9	244.2	239.4	240.0
21	244.4	242.3	242.8	.....	240.8	243.1	239.5	239.6
22	243.0	242.2	242.2	.....	241.1	242.9	239.8	240.0
23	242.0	242.1	242.1	.....	240.7	242.8	240.0	240.2
24	242.0	242.5	242.7	.....	240.3	243.0	240.6	241.2
25	242.1	242.4	243.1	.....	240.1	243.6	240.4	240.1
26	242.2	243.1	242.8	.....	240.4	243.9	240.2	241.6
27	242.5	243.2	243.0	.....	240.6	243.2	240.0	241.2
28	242.6	242.9	243.0	.....	240.8	243.0	240.9	.....
29	243.9		243.1	.....	241.3	242.7	240.8	.....
30	243.2		243.0	.....	241.3	242.5	241.1	.....
31	242.5		242.7		241.1		241.9	.....

* No record for September, October, November, and December.

Jefferson County

3S7W-24bcc1. V. D. Harlan. Drilled unused artesian well in deposits of Quaternary age, diameter 20 inches, depth 105 feet. Land-surface datum is 197.34 feet above msl. Highest water level 14.22 below lsd, Mar. 18, 1929; lowest 26.28 below lsd, Oct. 30, 1953. Records available: 1929-35, 1937-44, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	23.58	Apr. 28	24.12	Aug. 28	22.29	Dec. 1	25.78
Feb. 27	24.29	May 27	21.55	Sept. 28	25.16	28	25.00
Mar. 30	23.07	June 29	30.99	Oct. 30	26.28		

4S7W-9bab1. Elms Planting Co. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 inches, depth 100 feet. Land-surface datum is 185 feet above msl. Highest water level 1.98 below lsd, Feb. 26, 1951; lowest 17.41 below lsd, Sept. 29, 1952. Records available: 1949-53. Jan. 28, 12.62; Feb. 27, 10.08; Mar. 30, 7.36; Apr. 28, 6.82; May 27, 6.40; June 29, 14.77.

4S7W-18ddd1. Mr. Ragland. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches, depth 101 feet. Land-surface datum is 200 feet above msl. Highest water level 12.05 below lsd, Feb. 27, 1952; lowest 30.50 below lsd, June 29, 1953. Records available: 1949-53. Jan. 28, 22.18; Feb. 27, 19.42; Mar. 30, 16.51; Apr. 28, 18.59; May 27, 15.47; June 29, 30.50.

4S8W-35bbd2. Town of Altheimer. Drilled public-supply artesian well in sand of Claiborne group, diameter 6 to 4 inches, depth 1,011 feet. Land-surface datum is 200 feet above msl. Highest water level 45.18 below lsd, May 31, 1950; lowest 55.22 below lsd, Sept. 28, 1951. Records available: 1949-53. Jan. 28, 53.58; Mar. 30, 52.52; Sept. 28, 54.38.

5S9W-33cdb1. Cotton Belt Railroad. Drilled industrial artesian well in sand of Claiborne group, diameter 10 inches, depth 836 feet. Land-surface datum is 220 feet above msl. Highest water level 52.34 below lsd, July 5, 1950; lowest 62.16 below lsd, Dec. 28, 1953. Records available: 1949-53. Jan. 28, 56.66; Dec. 1, 62.13; Dec. 28, 62.16.

5S9W-33dcb1. Cotton Belt Railroad. Drilled artesian well in sand of Claiborne group, diameter 10 inches, depth 865 feet. Land-surface datum is 220 feet above msl. Highest water level 57.05 below lsd, Nov. 28, 1949; lowest 65.47 below lsd, Feb. 27, 1952. Records available: 1949, 1951-52. Measurement discontinued.

6S9W-3ddd1. Planter's Cotton Oil Mill. Drilled industrial artesian well in Sparta sand, diameter 5 to 4 inches, depth 800 feet. Land-surface datum is 220 feet above msl. Highest water level 37.40 below lsd, July 30, 1951; lowest 52.39 below lsd, Dec. 1, 1953. Records available: 1949-53. Feb. 27, 43.13; Apr. 28, 41.17; May 27, 44.60; Aug. 28, 46.28; Sept. 28, 45.25; Dec. 1, 52.39.

Lonoke County

2N7W-22daa1. J. E. Tucker. Drilled irrigation artesian well in deposits of Quaternary age, diameter 24 inches, depth 110 feet. Highest water level 62.15 below lsd, May 3, 1937; lowest 81.09 below lsd, Sept. 28, 1953. Records available: 1937-39, 1944-53.

Jan. 28	78.58	Apr. 28	77.74	Sept. 28	81.09	Dec. 1	80.17
Feb. 27	77.92	May 27	77.84	Oct. 30	81.05	28	79.72
Mar. 30	77.90						

2N9W-36aab1. W. J. Elmore. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 inches, depth 130 feet. Highest water level 55.80 below lsd, Feb. 28, 1950; lowest 60.39 below lsd, Aug. 28, 1952. Records available: 1949-53. Jan. 28, 59.04; Feb. 27, 58.16; Mar. 30, 58.23; Apr. 28, 58.11; May 27, 58.31.

Prairie County

1S5W-9bcb1. P. L. Beem. Drilled irrigation artesian well in sand of Claiborne group, diameter 12 to 8 inches, depth 640 feet. Land-surface datum is 218 feet above msl. Highest water level 60.80 below lsd, Apr. 26, 1950; lowest 84.61 below lsd, Aug. 28, 1952. Records available: 1949-53. Jan. 28, 68.90; Feb. 27, 68.67; Mar. 30, 66.51; Apr. 28, 65.62; May 27, 65.45.

1S5W-16cbb1. Chester Harris. Drilled irrigation artesian well in sand of Claiborne group, depth 662 feet. Land-surface datum is 215 feet above msl. Highest water level 39.31 below lsd, Apr. 7, 1936; lowest 80.90 below lsd, Sept. 28, 1951. Records available: 1936-37, 1939-44, 1949-51. Measurement discontinued.

185W-20abb1. U. S. Air Force Air Base. Drilled irrigation artesian well in sand of Claiborne group, diameter 12 to 8 inches, depth 632 feet. Land-surface datum is 218 feet above msl. Highest water level 50.43 below lsd, Apr. 29, 1938; lowest 83.35 below lsd, July 30, 1952. Records available: 1937-42, 1947, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	67.04	Apr. 28	62.82	Sept. 28	94.06	Dec. 1	77.68
Feb. 27	64.98	May 27	67.86	Oct. 30	78.74	28	72.04
Mar. 30	63.70						

186W-12cbb1. Elmer Seidenschwarz. Drilled irrigation artesian well in sand of Claiborne group, depth 545 feet. Land-surface datum is 227.5 feet above msl. Highest water level 58.88 below lsd, Jan. 19, 1929; lowest 77.26 below lsd, Apr. 24, 1940. Records available: 1929, 1936, 1940-44, 1947-53. Apr. 1, 71.84.

Union County

17S15W-17dad1. Arkansas-Louisiana Gas Co. Drilled industrial artesian well in sand of Claiborne group, depth 615 feet. Highest water level 189.52 below lsd, May 1946; lowest 275.77 below lsd, July 31, 1953. Records available: 1946-47, 1949-53. Jan. 29, 263.48; Feb. 26, 259.72; Apr. 1, 262.99; Apr. 29, 262.22; May 28, 264.75; July 31, 275.77.

17S15W-17dad2. Arkansas-Louisiana Gas Co. Drilled industrial artesian well in sand of Claiborne group, depth 637 feet. Highest water level 189.30 below lsd, Feb. 18, 1947; lowest 272.40 below lsd, Sept. 30, 1953. Records available: 1947, 1949-53.

Jan. 29	254.97	Apr. 29	253.73	June 30	268.11	Aug. 29	268.67
Feb. 26	252.17	May 28	256.17	July 31	267.33	Sept. 30	272.40
Apr. 1	254.45						

17S15W-33bcc1. Rock Island Railroad. Drilled industrial artesian well in Sparta sand, depth 680 feet. Land-surface datum is 226 feet above msl. Highest water level 251 below lsd, Feb. 1947; lowest 332.59 below lsd, Dec. 30, 1952. Records available: 1947, 1949-53. Jan. 29, 318.35; Feb. 26, 315.68; Apr. 1, 320.58; May 28, 321.71; June 30, 336.66; Aug. 29, 334.16. Measurement discontinued.

LOUISIANA

By George R. Tarver

Scope of Water-Level Program

The observation-well program in Louisiana was continued during 1953 in cooperation with the Louisiana Department of Public Works and the Louisiana Geological Survey, Department of Conservation. Water-level measurements were made in 249 wells in 33 parishes and recording gages were maintained on 43 of these wells at least part of the year. Investigation of the proposed surface-water reservoirs in central Louisiana was continued to determine if additional recharge would occur, thus providing more ground water for industrial, irrigation, rural, and public-supply purposes in southwestern Louisiana. About 20 test holes ranging in depths from 100 to 250 feet were drilled. Elevations were determined on approximately 300 additional water wells for use in the preparation of a detailed piezometric map of the principal sand in southwestern Louisiana. A number of pumping tests were made to determine the hydraulic characteristics of the aquifers throughout the State. Two reports were approved and released for open-file review: one report discusses the geology, physiography, and ground-water resources of southwestern Louisiana; and the other summarizes the geology and ground-water resources of the Baton Rouge area.

Precipitation

The total rainfall for the State was 65.62 inches, which is 10.51 inches above normal. The rainfall was above normal in the spring and below normal in the fall. The fall drought was detrimental to cattle and to many crops and held up the planting of many winter and cover crops.

Interpretation of Water-Level Fluctuations

There was no serious decline in the water levels anywhere in the State, although in many wells throughout the State water levels reached new record lows. In northern Louisiana the principal aquifer is the Sparta sand of Eocene age. The graph of well Ja-13 (fig. 5) at Hodge in Jackson Parish is typical of the water-level trend in the area. The water level in this formation

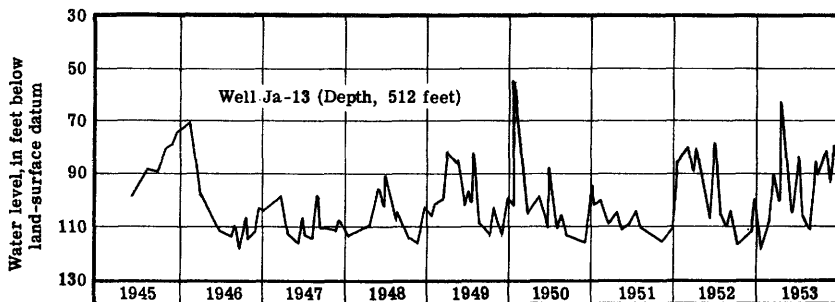


Figure 5. --Water level in well Ja-13 at Hodge in Jackson Parish, La., 1945-53.

showed no great decline except at Monroe in central Ouachita Parish where a net decline of about 5 feet was recorded. The Catahoula formation of Miocene age is the chief water-bearing formation in central Louisiana and records showed no significant decline in water levels. In the southwestern Louisiana rice-farming area there was a general decline of about 2 feet in the piezometric surface in wells screened in the principal sand of Pleistocene age. The flowing artesian wells in the sands of Pleistocene age in southwestern Louisiana continued to maintain approximately the same hydrostatic pressures of previous years.

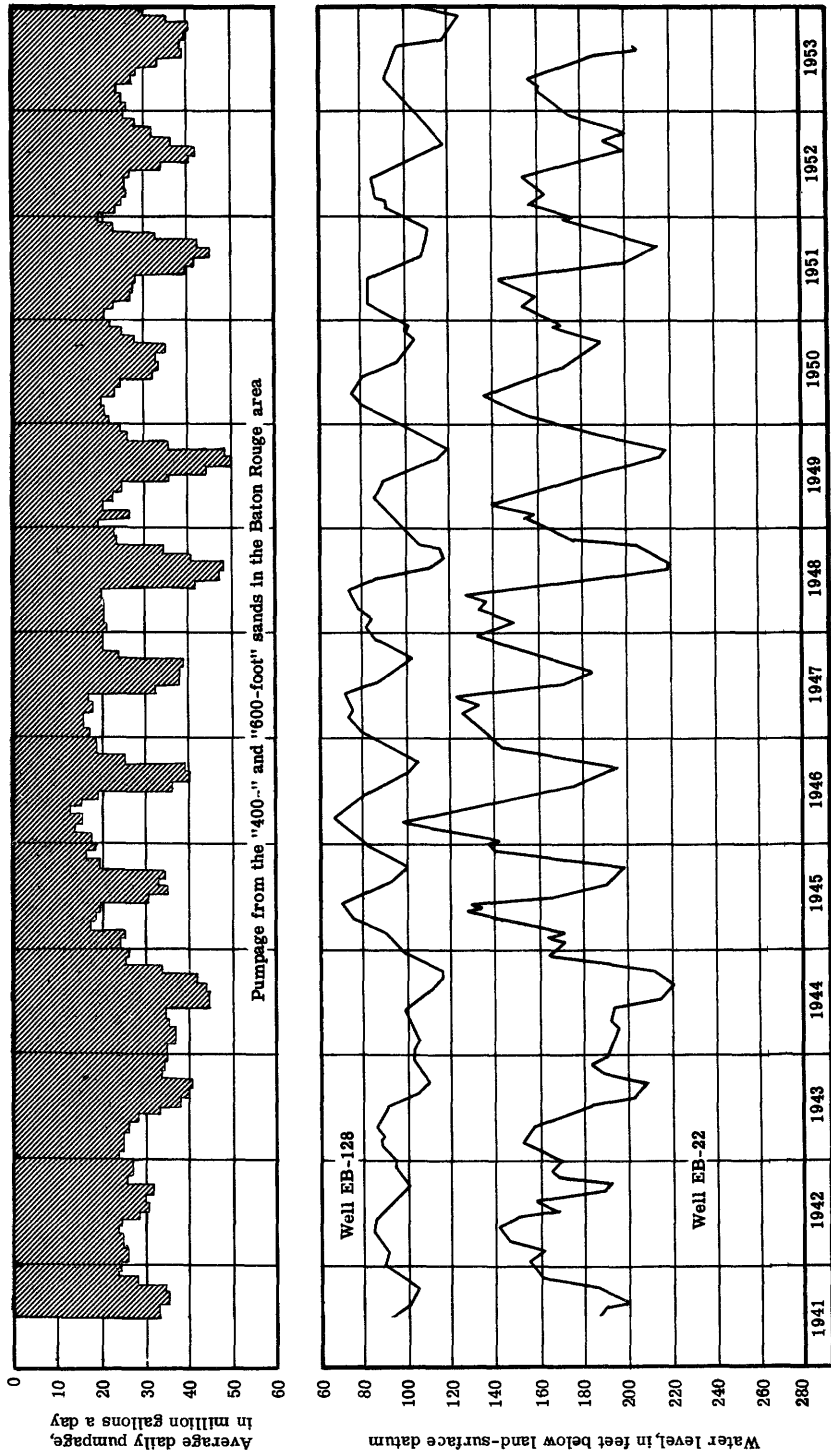


Figure 6. -- Pumpage from the "400-" and "600-foot" sands in the Baton Rouge, La., area and water levels in wells EB-128 and EB-22, 1941-53.

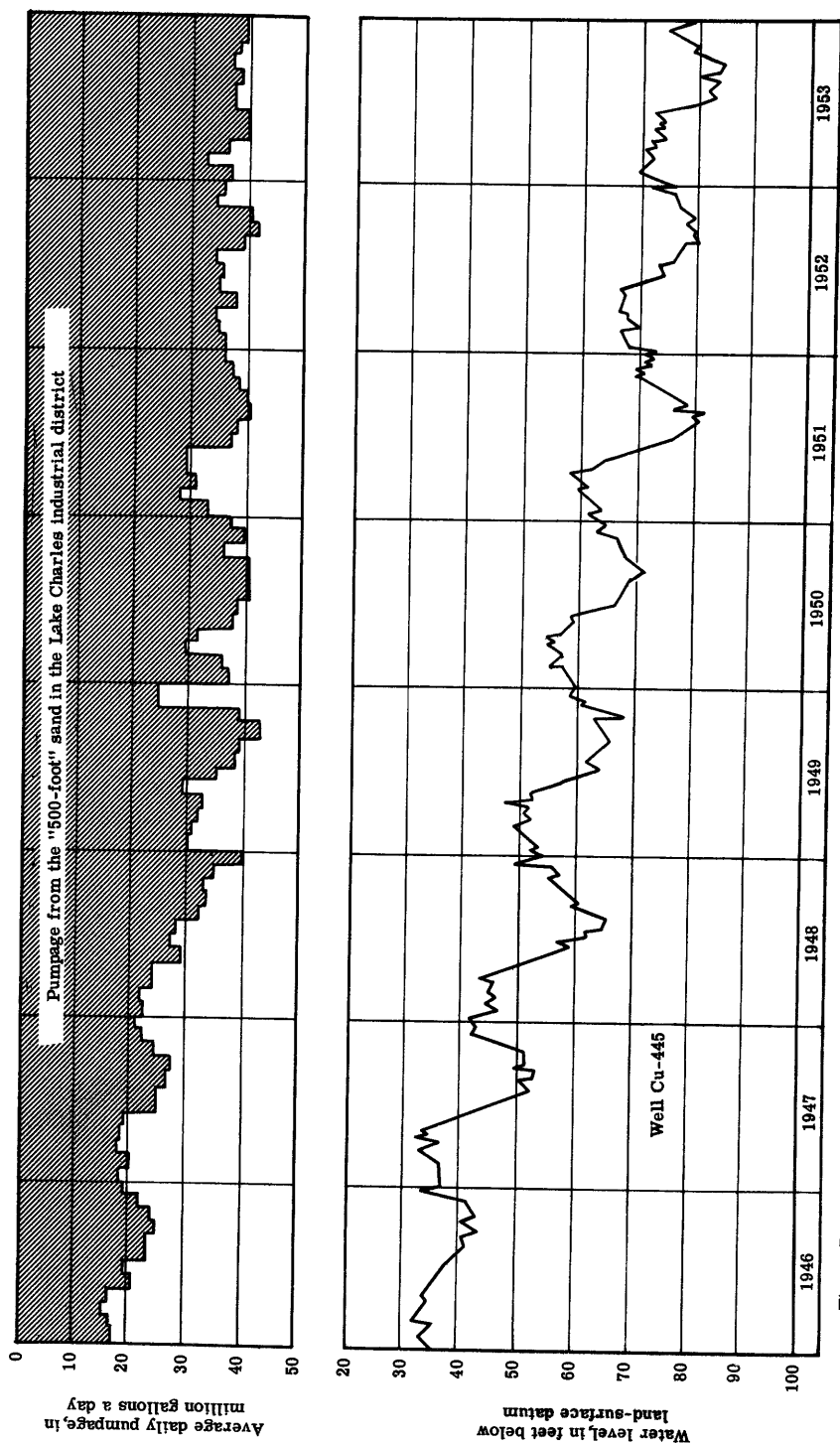


Figure 7. --Pumpage from the "500-foot" sand in the Lake Charles, La., industrial district and water level in well Cu-445, 1946-53.

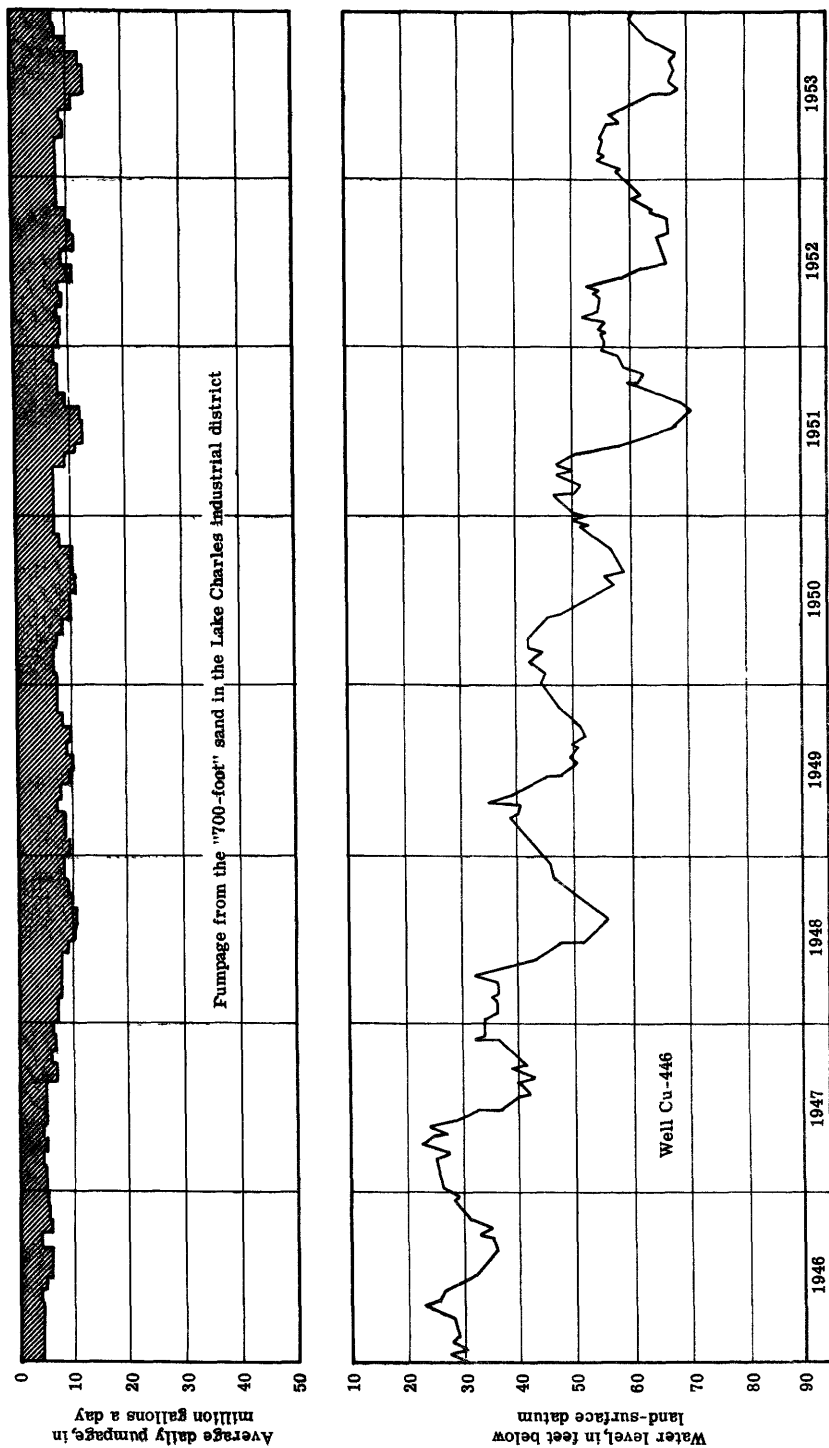


Figure 6. --Pumpage from the "700-foot" sand in the Lake Charles industrial district and water level in well Cu-446, 1946-53.

Water levels continued to decline in the State's two principal industrial districts, Baton Rouge and Lake Charles. In the Baton Rouge industrial district water levels in wells screened in the "400-foot" and "600-foot" sands remained at approximately 200 feet below the surface in 1953. As shown by figure 6 the average daily pumpage, about 30 million gallons, was approximately the same as in 1952. As pumpage from wells screened in the "1200-foot" and "2000-foot" sands increased there was a corresponding rapid decline of water levels in these sands during 1953. Well WBR-5, public-supply well at Port Allen, opposite the industrial district, is screened in the "1200-foot" sand and had a hydrostatic head of 18 feet above land surface in 1950. Whereas it has now ceased to flow and the water level is 14 feet below the land surface indicating a decline of 32 feet in 4 years. In the Lake Charles area the water levels in the "500-foot" and "700-foot" sands continued to decline steadily as pumpage increased as shown by figures 7 and 8.

Acknowledgments

All measurements for wells Cu-445 and Cu-446 at Lake Charles, Sc-6 and Sc-9 at Norco, and Ve-514 at Erath were obtained through the cooperation of Cities Service Refining Corporation, Shell Oil Company, and the Texas Company, respectively.

Well-Numbering System

The wells are listed alphabetically by parishes and numerically within each parish. The parishes are abbreviated with one to three letters in the parish name.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately preceding the first entry in each column of each mixed table. Readings between minus (-) signs are below the plane of reference, and those between plus (+) signs are above the plane of reference.

Acadia Parish

Ac-7. Lozen Leger. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 10 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 365 feet, screen 300-360. Land-surface datum is 29.43 feet above msl. Highest water level 25.11 below lsd, Jan. 21, 1943; lowest 48.88 below lsd, Apr. 15, 1947. Records available: 1939-40, 1942-53. Apr. 6, 37.77; Sept. 30, 48.53.

Ac-22. Harry Frey. S $\frac{1}{2}$ sec. 19, T. 7 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet, screen 240-300. Land-surface datum is 44.59 feet above msl. Highest water level 39.17 below lsd, Jan. 21, 1943; lowest 91.15 below lsd, July 14, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	62.13	May 5	66.20	Aug. 10	83.18	Oct. 28	72.74
Apr. 9	60.43	July 14	91.15	Oct. 1	75.25	Dec. 21	67.28

Ac-34. F. N. Hayes. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 7 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 323 feet, screen 216-320. Land-surface datum is 43.28 feet above msl. Highest water level 38.44 below lsd, Jan. 21, 1943; lowest 70.65 below lsd, Oct. 1, 1953. Records available: 1939-48, 1950-53. Apr. 8, 56.74; Oct. 1, 70.65.

Ac-40. H. A. Kerr. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 9 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 303 feet. Land-surface datum is 31.91 feet above msl. Highest water level 25.36 below lsd, Apr. 3, 1942; lowest 76.64 below lsd, July 10, 1953. Records available: 1939-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.33	46.53	44.91	43.87	49.59	.....	71.53	65.02	60.57	57.66	54.74	51.93
2	48.23	46.48	44.92	43.86	49.75	.....	74.55	64.39	60.37	57.57	54.78	51.81
3	48.22	46.42	44.86	43.85	49.60	.....	74.50	63.93	60.59	58.55	54.89	51.53
4	48.15	46.38	44.87	43.86	49.12	.....	75.12	65.54	60.67	57.60	54.38	51.50
5	48.09	46.32	44.88	43.85	49.10	.....	74.90	63.19	60.58	57.50	54.26	51.41
6	48.02	46.23	44.86	43.77	49.29	.....	74.99	62.92	60.00	57.75	54.17	51.38
7	47.95	46.18	44.83	43.85	49.87	.....	75.13	62.69	59.65	57.77	54.01	51.37
8	47.85	46.17	44.80	44.25	50.45	62.93	75.64	62.60	59.43	57.70	53.92	51.25
9	47.80	46.13	44.76	44.75	50.96	66.98	73.85	62.68	59.31	57.67	53.83	51.11
10	47.75	46.09	44.68	45.56	51.21	68.70	76.57	63.01	62.65	57.25	53.72	51.08

Ac-40--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	47.74	46.01	44.63	48.36	51.65	69.90	76.60	64.22	59.35	56.95	53.62	50.95
12	47.72	45.92	44.61	45.87	.....	70.83	76.10	64.80	59.44	56.66	53.56	50.89
13	47.65	45.90	44.60	45.68	.....	71.97	75.57	65.30	59.40	56.59	53.45	50.77
14	47.58	45.70	44.55	49.58	.....	71.06	75.47	65.44	59.55	56.42	53.34	50.75
15	47.51	45.68	44.53	51.00	.....	70.57	72.64	65.44	61.88	56.35	53.24	50.75
16	47.47	45.66	44.50	52.54	.....	71.65	72.18	65.17	62.28	56.28	53.22	50.70
17	47.37	45.70	44.43	53.02	.....	72.30	71.34	64.90	60.00	56.25	53.56	50.68
18	47.32	45.67	44.35	52.97	.....	73.00	72.44	65.05	59.73	56.20	53.14	50.64
19	47.22	45.54	44.32	51.50	.....	73.73	69.37	65.06	59.34	56.11	52.93	50.53
20	47.14	45.42	44.27	51.27	.....	74.15	68.60	64.92	59.05	56.06	52.79	50.35
21	47.12	45.45	44.22	51.58	.....	73.20	68.00	64.72	58.80	56.01	52.68	50.23
22	47.03	45.46	44.17	51.89	.....	72.69	67.47	64.31	58.73	55.93	52.55	.....
23	46.90	45.44	44.08	50.65	.....	73.03	67.41	63.84	58.79	55.70	52.49	.....
24	46.92	45.23	44.08	48.94	.....	73.55	67.22	65.41	58.71	57.65	52.35	.....
25	46.92	45.17	44.09	52.87	.....	74.90	67.12	65.19	58.55	55.60	52.31	.....
26	46.87	45.12	44.08	53.30	.....	75.31	66.67	64.90	58.72	55.16	52.29	.....
27	46.80	45.09	43.97	51.35	.....	75.57	66.01	64.53	58.15	55.20	52.20	.....
28	46.77	45.05	43.98	52.27	.....	74.50	65.85	61.93	58.15	55.35	52.15	.....
29	46.72	.....	43.97	49.80	.....	74.12	65.78	61.45	58.03	55.27	52.10	.....
30	46.64	.....	43.94	49.50	.....	74.45	66.04	61.12	57.93	55.16	52.02	.....
31	46.57	.....	43.89	.....	.....	.....	65.54	60.83	.....	55.02	.....	.....

Ac-104. Hanle Hartwell. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 2, T. 9 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 300 feet. Land-surface datum is 36.36 feet above msl. Highest water level 26.66 below lsd, Feb. 6, 1947; lowest 58.08 below lsd, Sept. 11, 1946. Records available: 1939, 1944-53. Apr. 6, 47.60.

Ac-115. Jack Daigle. $SE\frac{1}{4}$ sec. 77, T. 8 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 294 feet, screen 218-290. Land-surface datum is 51.65 feet above msl. Highest water level 36.90 below lsd, Nov. 26, 1945; lowest 69.81 below lsd, July 8, 1948. Records available: 1944-51, 1953. Apr. 6, 60.88.

Ac-147. Ed Faulk. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 34, T. 10 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 298 feet. Land-surface datum is 17.78 feet above msl. Highest water level 16.19 below lsd, Mar. 13, 1947; lowest 38.48 below lsd, July 9, 1948. Records available: 1939, 1944-53. Apr. 8, 27.81.

Ac-152. J. B. Broussard. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 4, T. 11 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 276 feet, screen 195-275. Land-surface datum is 15.50 feet above msl. Highest water level 13.21 below lsd, Apr. 13, 1944; lowest 45.38 below lsd, July 31, 1951. Records available: 1939, 1944-53. Apr. 7, 26.20; Oct. 1, 35.67.

Ac-165. Town of Rayne. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 28, T. 9 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 298 feet. Highest water level 41.67 below lsd, Apr. 15, 1952; lowest 71.98 below lsd, July 20, 1951. Records available: 1951-52. Measurement discontinued.

Ac-179. F. N. Hayes. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 34, T. 8 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 333 feet, screen 245-329. Land-surface datum is 34.41 feet above msl. Highest water level 30.85 below lsd, Apr. 17, 1944; lowest 62.65 below lsd, Sept. 10, 1947. Records available: 1939-53. Apr. 8, 47.90; Oct. 1, 55.66.

Ac-188. Jules Baronet. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 9, T. 10 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 350 feet. Land-surface datum is 22.97 feet above msl. Highest water level 19.91 below lsd, Apr. 12, 1944; lowest 46.82 below lsd, Aug. 7, 1947. Records available: 1944-53. Apr. 8, 33.88; Oct. 1, 45.07.

Ac-235. Henry Lejeune. $NE\frac{1}{4}SE\frac{1}{4}$ sec. 28, T. 8 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 313 feet, screen 250-310. Land-surface datum is 37.46 feet above msl. Highest water level 42.86 below lsd, Mar. 22, 1950; lowest 63.66 below lsd, Oct. 1, 1953. Records available: 1949-53. Apr. 8, 49.90; Oct. 1, 63.66.

Ac-239. Acadia Parish School. $NE\frac{1}{2}$ irregular sec. 12, T. 9 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet. Land-surface datum is 21.85 feet above msl. Highest water level 27.46 below lsd, Mar. 22, 1950; lowest 47.54 below lsd, Oct. 1, 1953. Records available: 1949-53. Apr. 8, 34.45; Oct. 1, 47.54.

Ac-281. Sun Oil Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 49, T. 10 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 225 feet. Land-surface datum is 11.59 feet above msl. Highest water level 17.29 below lsd, Mar. 19, 1951; lowest 40.24 below lsd, July 15, 1953. Records available: 1950-53. Feb. 27, 24.78; Apr. 8, 24.20; May 6, 25.61; June 9, 30.35; July 15, 40.24; Oct. 1, 35.07; Oct. 27, 33.02. Measurement discontinued.

Allen Parish

Al-11. Onezie Vincent. SE $\frac{1}{4}$ sec. 8, T. 5 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 160 feet. Land-surface datum is 80.76 feet above msl. Highest water level 43.37 below lsd, July 9, 1948; lowest 60.48 below lsd, June 11, 1953. Records available: 1944-53. Apr. 10, 55.90; May 7, 56.13; June 11, 60.48; Oct. 2, 58.03; Oct. 26, 57.62; Dec. 24, 57.69.

Al-15. Ben Daigle. SW $\frac{1}{4}$ sec. 27, T. 5 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 200 feet. Land-surface datum is 72.03 feet above msl. Highest water level 50.20 below lsd, Apr. 12, 1944; lowest 62.10 below lsd, Oct. 2, 1953. Records available: 1944-53. Apr. 10, 60.20; Oct. 2, 62.10.

Al-16. O. Lejeune. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 5 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 250 feet. Land-surface datum is 68.00 feet above msl. Highest water level 37.69 below lsd, Apr. 12, 1944; lowest 44.61 below lsd, Aug. 30, 1940. Records available: 1940-53. Apr. 10, 43.52; Oct. 5, 44.51.

Al-18. W. J. Uncle. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet. Land-surface datum is 55.61 feet above msl. Highest water level 32.58 below lsd, Apr. 12, 1944; lowest 37.02 below lsd, Sept. 9, 1948. Records available: 1944-53. Apr. 10, 34.75; Oct. 5, 35.50.

Al-20. C. I. Kuntz. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 7 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 200 feet. Land-surface datum is 43.49 feet above msl. Highest water level 32.58 below lsd, Apr. 12, 1944; lowest 50.78 below lsd, Oct. 2, 1953. Records available: 1944-53. Apr. 7, 48.26; Oct. 2, 50.78.

Al-21. Frank Odom. NE $\frac{1}{4}$ sec. 28, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 260 feet. Land-surface datum is 50.93 feet above msl. Highest water level 34.04 below lsd, Apr. 12, 1944; lowest 43.15 below lsd, June 9, 1949. Records available: 1944-52. No measurement made in 1953.

Al-22. Frank Odom. SW $\frac{1}{4}$ sec. 20, T. 6 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 280 feet. Land-surface datum is 48.18 feet above msl. Highest water level 30.65 below lsd, Apr. 25, 1947; lowest 40.28 below lsd, Oct. 2, 1953. Records available: 1944-53. Apr. 10, 39.28; Oct. 2, 40.28.

Al-25. R. R. McClelland. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 6 S., R. 3 W. Drilled irrigation water-table well in sand of Pleistocene age, diameter 10 inches, depth 225 feet. Land-surface datum is 56.89 feet above msl. Highest water level 49.69 below lsd, May 12, 1947; lowest 64.78 below lsd, Oct. 2, 1953. Records available: 1946-53. Feb. 24, 62.23; Apr. 10, 61.90; Oct. 2, 64.78. Oct. 26, 64.58.

Al-33. M. Carroll. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 4 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 16 to 8 inches, depth 287 feet, screen 190-284. Land-surface datum is 83.68 feet above msl. Highest water level 38.60 below lsd, May 3, 1947; lowest 47.03 below lsd, Aug. 13, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	45.02	May 7	44.19	Aug. 13	47.03	Oct. 26	46.33
Apr. 10	44.21	June 11	45.35	Oct. 5	46.69	Dec. 24	45.88

Al-54. Kinder Canal Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 5 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 290 feet, screen 210-290. Land-surface datum is 62.99 feet above msl. Highest water level 26.62 below lsd, Apr. 5, 1948; lowest 37.46 below lsd, Sept. 30, 1952. Records available: 1945, 1947-53. Apr. 10, 30.65.

Al-88. Amos Ceaser. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 6 S., R. 5 W. Drilled domestic water-table well in deposits of Pleistocene age, diameter 6 inches, depth 33 feet. Land-surface datum is 43.38 feet above msl. Highest water level 18.59 below lsd, Jan. 24, 1947; lowest 27.97 below lsd, Oct. 29, 1953. Records available: 1946-51, 1953.

Mar. 28	25.32	May 27	21.82	July 27	25.99	Oct. 2	27.65
Apr. 10	26.25	June 11	25.21	Aug. 13	26.88	29	27.97
May 7	20.55	July 13	26.58				

Al-117. Calcasieu Paper Co. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 2 S., R. 4 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 163 feet, screen 90-160. Highest water level 59.25 below lsd, Nov. 22, 1952; lowest 81.87 below lsd, Sept. 3, 1952. Records available: 1951-52. No measurement made in 1953.

Al-125. M. D. Hargrove. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 3 S., R. 3 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet. Highest water level 30.53 below lsd, Jan. 27, 1947; lowest 36.75 below lsd, Dec. 6, 1953. Records available: 1947-53.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 4	h35.94	Oct. 30	h36.55	Dec. 4	36.59	Dec. 18	36.66
13	h36.04	Nov. 20	36.59	5	36.64	19	36.65
Sept. 21	36.27	21	36.51	6	36.55	20	36.60
22	36.31	22	36.62	7	36.74	21	36.46
23	36.27	23	36.56	8	36.63	22	36.64
24	36.23	24	36.50	9	36.53	23	36.70
25	36.22	25	36.65	10	36.66	24	36.66
26	36.22	26	36.67	11	36.67	25	36.58
27	36.25	27	36.62	12	36.55	26	36.56
28	36.29	28	36.66	13	36.58	27	36.54
29	36.30	29	36.64	14	36.52	28	36.46
30	36.32	30	36.62	15	36.66	29	36.54
Oct. 1	36.33	Dec. 1	36.62	16	36.68	30	36.56
2	36.31	2	36.56	17	36.63	31	36.68
3	36.32	3	36.44				

h Tape measurement.

Al-167. Calcasieu Paper Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 2 S., R. 4 W. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 156 feet, screen 136-156. Highest water level 64.50 below lsd, May 6, 1952; lowest 70.84 below lsd, Dec. 15, 1951. Records available: 1951-52. No measurement made in 1953.

Al-168. Calcasieu Paper Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 2 S., R. 4 W. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 156 feet, screen 135-156. Highest water level 57.79 below lsd, May 6, 1952; lowest 62.29 below lsd, Mar. 23, 1952. Records available: 1951-52. No measurement made in 1953.

Al-212. Mrs. Olin McGee. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 6 S., R. 5 W. Drilled domestic water-table well in sand of Recent age, diameter 6 inches, depth 46 feet. Highest water level 34.04 below lsd, May 27, 1953; lowest 37.10 below lsd, Oct. 29, 1953. Records available: 1953.

Mar. 28	35.72	May 27	34.04	July 27	36.22	Oct. 2	36.83
Apr. 10	35.81	June 11	35.23	Aug. 13	36.38	29	37.10
May 7	34.68	July 13	36.06				

Beauregard Parish

Measurement has been discontinued in the following wells: Be-31, 32, 33, 35, 36, 37, 39, 41, 42, 44, 46, 47, 48, 50, 51, 53, 54, 56, 57, 58, 59, 60, 81, 91, 92, 93, 94, 95, 96, 97, 100, 101, 103, 104, 105, 106, 107, 108, 109, 110, 133, 135, 136, 137, 140, 141, 142, 143, 146, 147, 148, 149, 150, 151, 152, 153, 154, 156, 157, 158, 159, 160, 161, 163, 165, 166, 167, 168, 169, 170, 171, 173, and 174.

Be-2. Southern Pacific Railroad. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 6 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 276 feet. Land-surface datum is 83.83 feet above msl. Highest water level 41.54 below lsd, Apr. 27, 1944; lowest 53.84 below lsd, Aug. 17, 1953. Records available: 1943-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	51.09	.....	.....	.....	51.16	53.75	52.75	53.06	52.95	52.38	52.02
2	51.14	51.07	.....	.....	.....	51.36	53.75	52.74	52.98	52.93	52.39	51.95
3	51.20	51.15	.....	50.78	.....	51.55	53.80	52.78	52.90	52.90	52.35	51.82
4	51.19	51.09	.....	e50.7	.....	51.69	53.82	52.94	52.88	52.93	52.34	51.98
5	51.18	51.04	.....	e50.7	.....	51.84	53.80	53.60	52.91	52.94	52.28	51.90
6	51.14	50.99	.....	e50.7	.....	52.02	53.74	53.18	52.89	53.00	52.32	52.06
7	51.14	50.98	.....	50.67	.....	52.17	53.70	53.36	52.88	53.08	52.26	52.09
8	51.07	51.14	.....	50.70	50.80	e52.31	53.75	53.45	52.83	53.02	52.33	51.95
9	51.09	51.13	.....	50.69	50.84	e52.3	53.85	53.45	52.89	52.98	52.43	52.01
10	51.13	51.10	.....	50.73	50.84	52.50	54.04	53.48	52.78	52.97	52.40	52.01

Be-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	51.24	51.02	.....	50.66	50.86	52.52	54.05	53.52	52.76	52.90	52.25	51.88
12	51.28	51.08	.....	50.72	50.87	52.41	54.06	53.59	52.78	52.86	52.24	51.96
13	51.17	51.11	.....	50.89	50.81	52.29	e54.0	53.60	52.84	52.84	52.25	51.90
14	51.15	50.91	.....	50.86	50.83	52.33	e54.0	53.65	52.96	52.81	52.20	52.02
15	51.15	51.07	.....	50.78	50.72	52.37	e54.0	53.74	53.05	52.74	52.17	52.40
16	51.20	51.21	.....	50.90	50.69	52.50	53.80	53.80	53.08	52.69	52.15	52.04
17	51.18	.....	.....	50.80	50.65	52.55	53.80	53.83	53.18	52.66	52.15	52.07
18	51.16	.....	.....	50.77	50.53	52.52	53.76	53.80	53.17	52.65	52.09	52.06
19	50.08	.....	.....	50.95	50.58	52.60	53.83	53.73	53.14	52.63	52.03	51.93
20	51.02	.....	.....	50.97	50.56	52.69	53.79	53.69	53.23	52.62	52.09	51.77
21	51.16	.....	.....	50.90	50.59	52.79	53.65	53.69	53.23	52.59	52.05	51.76
22	50.08	.....	.....	50.96	50.61	53.92	53.62	53.68	53.16	52.64	52.07	51.93
23	51.00	.....	.....	50.94	50.70	53.03	53.64	53.66	53.13	52.67	52.02	52.04
24	51.18	50.93	.....	50.78	50.78	53.15	53.60	53.65	53.10	52.63	51.93	51.97
25	51.26	.....	.....	50.94	50.86	53.28	53.42	53.59	53.03	52.54	52.04	51.92
26	51.18	.....	.....	51.01	50.83	53.38	53.30	53.50	53.01	52.44	52.13	51.80
27	51.10	.....	.....	50.73	50.77	53.42	53.15	53.39	52.98	52.43	52.10	51.74
28	51.16	.....	.....	50.62	50.78	53.51	53.20	53.29	52.97	52.44	52.12	51.79
29	51.17	.....	.....	50.71	50.81	53.68	52.93	53.19	52.97	52.46	52.11	51.86
30	51.09	.....	.....	50.78	50.84	53.76	52.87	53.12	e52.96	52.42	52.10	51.97
31	51.05	.....	.....	.....	50.94	.....	52.80	53.08	.....	52.38	.....	51.89

e Estimated.

Be-74. Whitney Giraud. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 7 S., R. 9 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 16 to 10 inches, depth 363 feet, screen 280-360. Land-surface datum is 82.05 above msl. Highest water level 50.12 below lsd, Apr. 29, 1949; lowest 64.40 below lsd, Sept. 30, 1953. Records available: 1949-53. Apr. 7, 60.79; Sept. 30, 64.40.

Be-102. T. Chelette. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in deposits of Pleistocene age, diameter 8 inches, depth 42 feet. Land-surface datum is 129.70 feet above msl. Highest water level 23.06 below lsd, May 21, 1953; lowest 30.9 below lsd, Dec. 1-8, 1951. Records available: 1951-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	29.70	.....	27.91	27.05	24.41	25.80	26.95	.....	28.64	29.31	e29.3
2	.....	29.70	.....	27.96	.....	24.48	25.82	27.00	.....	28.67	29.33	e29.3
3	.....	29.69	.....	28.00	.....	24.56	25.84	27.05	.....	28.70	29.34	e29.3
4	.....	29.71	.....	28.04	.....	24.63	.....	.....	.....	28.73	29.34	e29.3
5	.....	29.70	27.56	28.03	.....	24.70	.....	.....	.....	28.78	29.35	e29.3
6	.....	29.69	27.95	28.03	.....	24.77	.....	.....	.....	28.83	29.36	e29.3
7	.....	29.55	27.96	28.10	.....	24.85	.....	.....	.....	28.85	29.37	e29.3
8	.....	29.46	27.97	28.14	25.74	24.92	.....	.....	.....	28.88	29.38	e29.3
9	.....	29.41	27.98	28.15	25.75	25.04	.....	.....	h28.45	28.90	29.39	h29.15
10	.....	29.41	27.98	28.20	25.80	25.05	.....	.....	.....	28.94	e29.3	29.21
11	.....	29.41	27.97	28.20	25.83	25.09	.....	.....	.....	28.97	e29.3	29.22
12	.....	29.41	27.99	28.26	25.84	25.11	.....	h27.90	.....	30.00	e29.3	29.28
13	.....	29.38	27.95	28.32	25.80	25.12	.....	.....	.....	30.02	e29.3	29.28
14	.....	29.33	27.86	28.33	25.67	25.13	.....	.....	.....	30.07	e29.3	29.32
15	.....	29.20	27.84	28.35	25.51	25.19	.....	.....	.....	30.09	e29.3	29.33
16	.....	29.10	27.86	28.40	25.34	25.26	.....	.....	.....	30.12	e29.3	29.36
17	30.09	29.06	27.85	28.40	25.25	25.31	26.45	.....	.....	30.15	e29.3	29.39
18	30.07	.....	27.83	28.44	23.81	25.36	26.48	.....	.....	30.17	e29.3	29.42
19	30.03	.....	27.86	28.50	23.19	25.41	26.51	.....	.....	30.20	e29.3	29.42
20	30.04	.....	27.89	28.53	23.07	25.46	26.52	.....	.....	30.23	e29.3	29.38
21	30.07	.....	27.91	28.54	23.07	25.53	26.54	.....	.....	30.24	e29.3	29.37
22	30.07	.....	27.95	28.57	23.16	25.58	26.55	.....	.....	30.26	e29.3	29.40
23	29.85	.....	27.96	28.58	23.33	25.60	26.57	.....	.....	30.28	e29.3	29.42
24	29.73	.....	27.93	28.51	23.52	25.60	26.57	.....	.....	30.27	e29.3	29.41
25	29.67	.....	27.93	28.31	23.68	25.61	26.54	.....	28.45	30.27	e29.3	29.44
26	29.63	.....	27.93	28.22	23.81	25.64	26.55	.....	28.47	30.27	e29.3	29.46
27	29.63	.....	27.94	28.18	23.93	25.68	26.66	.....	28.51	30.29	e29.3	29.46
28	29.66	.....	27.91	28.13	24.04	25.73	26.72	.....	28.54	.....	e29.3	29.44
29	29.66	.....	27.84	27.73	24.14	25.77	26.80	.....	28.57	29.28	e29.3	29.33
30	29.66	.....	27.83	27.11	24.23	25.78	26.85	.....	28.61	29.29	e29.3	29.26
31	29.67	.....	.....	.....	24.33	.....	26.90	.....	.....	29.29	.....	29.21

e Estimated.

h Tape measurement.

Bienville Parish

Bi-2. Town of Gibsland. Water Plant. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 500 feet. Highest water level 43.82 below lsd, Mar. 17, 1947; lowest 56.19 below lsd, Oct. 14, 1953. Records available: 1940, 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	51.38	June 3	52.03	Aug. 27	54.94	Nov. 18	53.13
Apr. 22	52.33	July 30	54.08	Oct. 14	56.19	Dec. 17	53.28

Bi-4. Town of Arcadia. Drilled public-supply artesian well in Sparta sand, diameter 6 inches, depth 585 feet, screen 500-585. Highest water level 159.08 below lsd, Apr. 26, 1950; lowest 185.60 below lsd, Nov. 18, 1953. Records available: 1940, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	164.54	June 3	174.21	Aug. 27	178.40	Nov. 18	185.60
Apr. 22	172.23	July 30	172.71	Oct. 14	181.39	Dec. 17	165.61

Calcasieu Parish

Cu-3. Gulf States Utilities. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 9 S., R. 8 W. Drilled public-supply artesian well in sand of Pleistocene age, diameter 18 inches, depth 700 feet. Highest water level 51.60 below lsd, Apr. 7, 1952; lowest 77.50 below lsd, Aug. 27, 1951. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 26, 1951	67.57	Nov. 5, 1951	62.43	Feb. 18, 1952	53.96	June 9, 1952	59.36
July 3	69.52	12	61.15	Mar. 3	53.15	27	65.83
10	73.92	19	62.77	9	53.48	July 17	65.77
17	71.80	26	60.78	16	53.37	Sept. 15	72.75
23	69.99	3	59.49	24	52.69	Nov. 14	64.87
Aug. 1	67.20	10	58.76	31	51.61	Dec. 23	61.29
20	75.90	17	57.70	Apr. 7	51.60	Feb. 23, 1953	57.96
27	77.50	24	57.68	14	53.31	Apr. 9	57.78
Sept. 4	77.38	31	56.71	21	55.29	May 7	58.99
10	74.28	Jan. 7, 1952	55.54	28	55.99	June 9	56.44
17	71.97	14	56.57	May 5	56.25	July 16	72.53
Oct. 1	70.17	21	55.30	12	58.19	Aug. 11	74.65
8	68.52	28	55.35	19	55.43	Sept. 28	75.29
15	66.98	Feb. 4	54.70	26	59.48	Oct. 27	72.36
23	67.32	11	54.47	June 4	59.30	Dec. 23	67.56
29	66.30						

Cu-12. Columbia-Southern Chemical Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 10 S., R. 9 W. Drilled unused artesian well in sand and gravel of Pleistocene age, diameter 6 to 4 inches, depth 456 feet, screen 414-456. Land-surface datum is 11.95 feet above msl. Highest water level 47.53 below lsd, May 1, 1950; lowest 65.34 below lsd, Oct. 2, 1952. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	61.95	May 7	61.61	July 15	63.30	Oct. 26	61.76
Apr. 9	61.62	June 9	62.09	Sept. 28	61.96	Dec. 23	60.79

Cu-16. Magnolia Petroleum Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 382 feet. Land-surface datum is 9.58 feet above msl. Highest water level 34.2 below lsd, May 11, 1950; lowest 49.47 below lsd, Aug. 16, 1953. Records available: 1950-53. Recording gage removed Sept. 9, 1953.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	h46.73	July 23	49.31	Aug. 4	48.89	Aug. 16	49.37
Feb. 23	h46.16	24	49.20	5	48.77	17	49.32
Apr. 9	h45.38	25	49.27	6	48.80	18	49.31
May 7	h45.36	26	49.25	7	48.86	19	49.31
July 9	h45.97	27	49.20	8	48.90	20	49.25
16	h49.26	28	49.19	9	49.00	21	49.13
17	49.36	29	49.14	10	49.06	22	49.15
18	49.40	30	49.19	11	49.11	23	49.13
19	49.39	31	49.13	12	49.24	24	49.06
20	49.11	Aug. 1	49.06	13	49.31	25	48.99
21	49.20	2	48.99	14	49.32	26	49.02
22	49.28	3	48.85	15	49.35	27	48.94

Cu-16--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28	48.96	Sept. 1	48.64	Sept. 5	48.67	Sept. 30	h48.20
29	48.88	2	48.67	6	48.60	Oct. 27	h48.07
30	48.76	3	48.54	7	48.58	Dec. 23	h47.35
31	48.67	4	48.65	8	48.54		

h Tape measurement.

Cu-19. Bell Estate. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 10, T. 10 S., R. 10 W. Drilled unused irrigation well in sand and gravel of Pleistocene age, diameter 7 to 4 inches, depth 488 feet. Land-surface datum is 11.74 feet above msl. Highest water level 5.01 below lsd, Jan. 5, 1943; lowest 54.67 below lsd, Sept. 12, 1952. Records available: 1943-53. Feb. 23, 45.24. Measurement discontinued.

Cu-22. Magnolia Petroleum Co. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 8, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 560 feet. Land-surface datum is 4.17 feet above msl. Highest water level 7.70 below lsd, Apr. 21, 1943; lowest 66.36 below lsd, Oct. 7, 1953. Records available: 1943-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.70	54.09	.....	.....	55.48	.....	.....	.....	.....	66.18	62.32	60.17
2	56.60	53.96	.....	.....	55.41	.....	.....	.....	.....	65.96	62.21	69.90
3	56.75	53.98	.....	.....	55.51	.....	.....	.....	.....	65.88	62.03	59.48
4	.....	54.00	.....	.....	55.42	.....	.....	.....	.....	65.73	61.95	59.80
5	.....	53.92	.....	.....	55.30	.....	.....	.....	.....	65.67	61.98	59.89
6	.....	53.98	.....	.....	55.41	.....	.....	.....	.....	66.23	61.85	60.13
7	.....	53.95	.....	.....	55.11	.....	.....	.....	.....	66.29	61.68	60.15
8	.....	53.90	.....	.....	55.14	.....	.....	.....	.....	66.08	61.73	59.89
9	.....	53.60	.....	.....	55.25	h57.62	.....	.....	64.40	65.87	61.75	59.90
10	.....	53.33	.....	54.20	55.05	.....	.....	.....	64.28	65.65	61.72	59.80
11	.....	53.19	.....	54.25	55.19	.....	.....	h64.83	64.11	65.42	61.62	59.73
12	.....	53.32	.....	54.38	55.48	.....	.....	.....	64.27	65.40	61.54	59.82
13	.....	53.39	.....	54.48	55.60	.....	.....	.....	64.43	65.42	61.50	59.70
14	.....	53.21	.....	54.20	55.78	.....	.....	.....	64.49	65.47	61.47	59.73
15	.....	53.19	.....	54.01	55.54	.....	.....	.....	64.63	65.42	61.29	59.50
16	.....	52.98	.....	54.12	55.46	.....	h66.17	.....	64.84	65.34	61.11	59.12
17	55.64	53.10	.....	53.93	.....	.....	.....	.....	65.01	65.08	60.89	58.90
18	55.58	.....	.....	53.96	.....	.....	.....	.....	65.21	64.92	60.90	58.75
19	55.39	.....	.....	54.50	.....	.....	.....	.....	65.41	64.60	60.81	58.80
20	55.31	.....	.....	54.54	.....	.....	.....	.....	65.52	64.38	61.06	58.67
21	55.40	.....	.....	54.47	.....	.....	.....	.....	65.58	64.20	61.00	58.63
22	55.60	.....	.....	54.52	.....	.....	.....	.....	65.87	64.23	61.09	58.68
23	55.33	.....	.....	55.02	.....	.....	.....	.....	65.81	64.18	61.14	58.76
24	55.44	.....	.....	55.23	.....	.....	.....	.....	65.68	64.20	60.90	58.88
25	55.32	.....	.....	55.53	.....	.....	.....	.....	65.64	63.75	61.00	58.95
26	54.98	.....	.....	55.88	.....	.....	.....	.....	65.65	63.71	61.13	59.01
27	54.68	.....	.....	56.00	.....	.....	.....	.....	65.63	63.10	60.97	59.06
28	54.53	.....	.....	55.81	.....	.....	.....	.....	65.77	62.77	60.99	59.00
29	54.33	.....	.....	.....	.....	.....	.....	.....	66.00	62.72	60.85	59.04
30	54.09	.....	.....	55.57	.....	.....	.....	.....	66.15	62.67	60.45	58.97
31	54.03	.....	.....	.....	.....	.....	.....	.....	.....	62.48	.....	59.10

h Tape measurement.

Cu-82. Mathieson Chemical Corp. $NW\frac{1}{4}SE\frac{1}{4}$ sec. 34, T. 9 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 511 feet. Land-surface datum is 15.41 feet above msl. Highest water level 72.2 below lsd, Dec. 3, 1950; lowest 88.07 below lsd, Sept. 23, 1952. Records available: 1950-53. Apr. 9, 81.07; Sept. 29, 83.81.

Cu-115. Krause & Managan. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 11, T. 9 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 348 feet. Land-surface datum is 9.09 feet above msl. Highest water level 0.90 below lsd, Apr. 28, 1944; lowest 20.95 below lsd, Oct. 2, 1952. Records available: 1943-53. Apr. 7, 18.17; Sept. 30, 20.71.

Cu-120. Mathieson Chemical Corp. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 36, T. 11 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 700 feet. Land-surface datum is 6.42 feet above msl. Highest water level 3.18 below lsd, Apr. 11, 1944; lowest 37.25 below lsd, Sept. 20, 1951. Records available: 1943-53. Apr. 8, 28.36; Sept. 29, 35.80.

Cu-125. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 10 S., R. 10 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 700 feet. Land-surface datum is 15.92 feet above msl. Highest water level 10.23 below lsd, Apr. 11, 1944; lowest 55.61 below lsd, Aug. 6, 1951. Records available: 1943-53. Feb. 23, 44.08; Apr. 9, 43.83; May 7, 45.56; June 9, 46.95; July 16, 53.53; Sept. 30, 54.02.

Cu-161. Calcasieu-Marine National Bank. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 11 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 500 feet. Land-surface datum is 11.18 feet above msl. Highest water level 9.18 below lsd, July 9, 1946; lowest 50.56 below lsd, Sept. 19, 1951. Records available: 1944-53. Apr. 8, 23.80; Sept. 29, 37.51.

Cu-173. Charles Linkswiler. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 10 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 726 feet. Land-surface datum is 22.14 feet above msl. Highest water level 28.79 below lsd, Mar. 10, 1947; lowest 63.39 below lsd, Oct. 1, 1952. Records available: 1946-47, 1949-50, 1952-53. Apr. 8, 49.86; Sept. 29, 60.72.

Cu-208. W. L. Caldwell. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 8 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 467 feet, screen 351-467. Land-surface datum is 38.44 feet above msl. Highest water level 23.10 below lsd, May 26, 1947; lowest 43.80 below lsd, Oct. 1, 1952. Records available: 1946-53. Apr. 7, 35.81.

Cu-222. Hardy Johnson. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 9 S., R. 13 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 to 4 inches, depth 627 feet. Land-surface datum is 24.71 feet above msl. Highest water level 2.03 below lsd, May 30, 1944; lowest 28.21 below lsd, Sept. 21, 1951. Records available: 1943-53. Apr. 9, 5.03; Sept. 30, 25.67.

Cu-228. R. Royer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 9 S., R. 12 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 425 feet, screen 400-420. Land-surface datum is 27.38 feet above msl. Highest water level 10.08 below lsd, Apr. 11, 1944; lowest 32.63 below lsd, Oct. 2, 1952. Records available: 1944-53. Apr. 9, 22.20; Sept. 30, 30.52.

Cu-240. Owner unknown. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 9 S., R. 11 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 500 feet. Land-surface datum is 19.52 feet above msl. Highest water level 7.40 below lsd, Apr. 11, 1944; lowest 38.24 below lsd, Sept. 21, 1951. Records available: 1944-53. Sept. 30, 36.20.

Cu-245. W. R. Keever. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 8 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 300 feet. Land-surface datum is 19.07 feet above msl. Highest water level 6.28 below lsd, June 12, 1946; lowest 19.67 below lsd, Sept. 21, 1951. Records available: 1944-53. Apr. 7, 16.24; Sept. 30, 17.18.

Cu-256. Mathilda Gray. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 11 S., R. 12 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 516 feet. Land-surface datum is 8.47 feet above msl. Highest water level 11.03 below lsd, Mar. 23, 1950; lowest 30.08 below lsd, Oct. 2, 1952. Records available: 1950-53. Apr. 9, 19.97; Sept. 30, 25.66.

Cu-267. Owner unknown. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 11 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 500 feet. Highest water level 8.09 below lsd, Jan. 7, 1947; lowest 33.66 below lsd, Sept. 29, 1953. Records available: 1944-53. Apr. 8, 29.74; Sept. 29, 33.66.

Cu-347. Amy Waite Estate. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 9 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 280 feet, screen 214-284. Land-surface datum is 23.07 feet above msl. Highest water level 20.75 below lsd, Mar. 10, 1947; lowest 47.99 below lsd, Sept. 29, 1953. Records available: 1946-53. Apr. 7, 37.98; Sept. 29, 47.99.

Cu-440. Department of Air Force. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 10 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 500 feet. Land-surface datum is 11.93 feet above msl. Highest water level 13.62 below lsd, Apr. 11, 1944; lowest 51.71 below lsd, Sept. 28, 1953. Records available: 1944, 1947-53. Apr. 7, 40.75; Sept. 28, 51.71.

Cu-445. Cities Service Refining Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 10 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 540 feet. Land-surface datum is 12.26 feet above msl. Highest water level 30.9 below lsd, Apr. 19-20, 1947; lowest 86.67 below lsd, Oct. 6, 1953. Records available: 1945-53.

Cu-445--Continued.

Daily noon water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.44	70.18	71.80	71.88	73.85	74.24	80.25	82.37	85.00	85.46	79.34	77.23
2	75.22	70.13	72.00	71.27	73.83	74.91	80.76	82.25	84.23	85.22	79.33	77.27
3	75.33	70.37	72.48	71.35	73.80	75.21	81.78	82.28	84.54	84.48	79.47	75.87
4	74.98	71.51	72.90	71.46	73.74	74.86	82.28	82.16	83.78	84.03	79.48	77.50
5	74.93	71.42	72.70	71.76	73.71	75.07	82.73	82.70	83.27	83.91	79.21	78.63
6	71.95	71.56	73.35	72.53	73.80	75.13	82.97	81.99	83.01	86.67	.....	78.81
7	75.00	71.34	73.11	72.25	73.73	74.88	83.75	84.55	81.77	85.48	79.09	78.99
8	76.40	71.42	73.27	72.65	73.76	73.00	83.83	82.78	81.57	85.68	79.54	78.09
9	77.75	70.75	73.17	73.19	73.46	.....	84.18	82.37	81.33	.....	80.20	78.08
10	75.08	70.57	72.80	73.55	72.51	.....	.....	82.71	81.18	.....	80.78	77.77
11	74.23	70.57	72.73	74.01	73.57	.....	.....	83.71	81.13	.....	80.27	78.15
12	73.95	70.85	72.25	73.19	75.65	73.43	.....	83.30	82.64	.....	79.83	77.87
13	73.73	71.13	72.14	72.88	74.60	74.28	.....	84.19	82.65	.....	80.12	77.51
14	73.96	70.55	71.84	72.74	74.33	73.93	.....	84.14	82.61	.....	80.30	76.90
15	73.57	69.67	71.85	72.23	.....	72.87	.....	84.44	83.08	.....	79.92	76.49
16	73.50	70.02	71.48	71.79	.....	73.28	84.73	84.09	83.36	84.73	79.33	75.03
17	73.42	70.24	71.75	71.92	.....	73.41	84.72	84.08	83.65	83.89	79.00	74.53
18	73.17	69.72	71.77	72.02	.....	73.26	84.05	84.23	84.13	83.38	78.99	74.98
19	73.10	69.67	71.55	72.69	.....	73.92	83.97	84.30	83.88	82.54	79.25	76.55
20	73.03	70.11	71.85	72.58	.....	73.98	84.10	84.22	84.32	82.56	79.92	76.28
21	73.13	70.45	72.09	72.94	.....	74.05	83.84	83.88	84.94	82.51	79.83	76.10
22	74.52	70.42	72.27	73.35	72.95	75.03	83.55	83.69	85.04	82.80	79.93	75.82
23	72.37	71.70	72.01	75.85	72.63	75.25	84.01	83.68	84.84	82.54	79.78	76.18
24	72.37	73.32	72.03	.....	73.00	75.37	84.97	83.42	84.67	82.68	79.81	77.60
25	72.17	71.34	72.20	.....	73.68	75.69	85.29	83.68	84.60	80.04	79.94	77.83
26	71.73	71.25	72.05	.....	72.55	76.08	85.20	83.48	84.60	79.23	80.20	.....
27	71.42	71.12	71.56	.....	73.35	76.28	85.50	83.45	84.44	79.03	75.87	.....
28	70.67	71.83	71.72	.....	73.53	76.28	85.35	83.85	85.18	79.53	79.93	.....
29	70.39	.....	71.60	.....	73.72	77.09	85.48	83.82	85.01	79.98	78.74	78.79
30	70.27	.....	71.34	74.04	73.28	79.57	85.19	83.75	85.94	80.38	77.87	77.97
31	69.98	.....	71.30	.....	73.42	.....	82.60	84.50	.....	79.51	.....	78.52

Cu-446. Cities Service Refining Corp. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 10 S., R. 9 W. Drilled un-used artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 738 feet. Highest water level 22.8 below lsd, Apr. 27, 1946; lowest 72.40 below lsd, Aug. 30, 1951. Records available: 1945-53.

Daily noon water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.20	57.52	54.48	55.00	56.41	57.43	62.73	67.63	67.80	67.92	63.36	61.41
2	59.12	57.27	54.39	55.67	56.37	57.34	64.15	67.26	67.57	67.89	63.26	61.15
3	59.31	57.19	54.56	55.50	55.62	58.05	66.40	67.20	67.75	67.79	63.10	61.07
4	59.42	55.64	54.83	55.50	56.70	57.78	67.13	67.71	67.85	67.73	62.95	60.99
5	59.08	56.00	55.32	55.00	56.30	58.24	65.87	67.35	67.72	67.66	63.04	60.88
6	57.85	55.39	55.23	54.64	56.85	58.42	65.96	66.97	67.53	67.77	62.89	60.96
7	57.87	55.37	54.62	54.51	56.13	59.33	65.99	66.96	67.87	68.03	62.72	61.10
8	58.07	55.31	54.62	54.68	56.25	58.84	66.12	67.01	67.61	68.02	62.68	60.94
9	58.45	55.14	54.73	54.82	56.62	59.37	66.48	66.97	67.20	67.93	62.63	60.87
10	58.80	54.94	55.33	54.84	58.05	59.05	67.57	67.03	67.10	e67.2	62.55	61.00
11	58.83	54.75	54.90	55.07	57.13	59.04	68.24	67.15	66.73	e67.2	62.49	60.77
12	58.88	54.77	54.78	54.95	57.11	59.69	e68.4	67.25	66.67	e67.2	62.42	60.74
13	58.75	54.74	54.55	55.08	56.54	59.57	e68.4	67.43	66.63	e67.2	62.49	60.68
14	58.70	54.50	54.41	55.04	56.87	59.70	e68.4	67.49	66.75	e67.2	62.36	60.77
15	58.56	54.58	54.44	55.25	e56.7	59.88	e68.4	67.53	66.90	e67.2	62.25	60.76
16	58.51	54.42	54.38	55.84	e56.7	60.03	68.52	67.73	67.08	66.43	62.18	60.60
17	58.44	54.54	54.24	55.15	e56.7	60.13	68.38	67.80	67.03	65.92	62.05	60.40
18	57.93	54.40	54.82	55.07	e56.7	60.32	68.40	67.98	67.13	65.64	62.33	60.13
19	57.60	54.09	54.28	55.48	e56.7	60.56	68.48	67.92	67.31	65.36	61.86	59.96
20	57.11	54.00	54.32	55.50	e56.7	60.82	68.49	68.07	67.38	65.09	61.73	59.74
21	57.24	54.35	54.47	55.23	e56.7	61.02	68.15	68.83	67.45	64.92	62.05	59.69
22	57.53	54.43	54.45	55.64	e56.7	61.20	68.11	67.97	67.64	64.75	61.89	59.71
23	57.86	54.31	54.54	55.47	e56.7	61.38	68.01	67.96	67.65	64.67	61.89	59.83
24	58.02	54.27	54.57	e55.5	e56.7	61.55	68.01	67.81	67.67	64.61	61.73	59.82
25	57.93	54.44	55.15	e55.5	55.67	61.77	67.97	67.77	67.63	64.53	61.80	60.62
26	57.76	54.49	55.35	e55.5	55.89	61.90	68.00	67.80	67.63	64.10	61.94	e60.2
27	57.57	55.32	54.87	e55.5	56.10	62.08	67.87	67.58	67.59	64.14	61.84	e60.2
28	57.47	54.71	55.26	e55.5	56.25	62.20	68.11	67.55	67.64	63.92	61.81	e60.2
29	57.39		55.45	e55.5	56.45	62.25	67.77	67.52	67.81	63.75	61.75	59.85
30	57.29		54.83	55.60	57.10	62.43	67.72	67.42	67.86	63.57	61.58	59.87
31	57.38		54.83		56.86		67.58	67.68		63.47		59.95

e Estimated.

Cu-451. Stanolind Oil & Gas Co. SW $\frac{1}{4}$ sec. 3, T. 11 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 380 feet, screen 300-380. Land-surface datum is 22.53 feet above msl. Highest water level 25.08 below lsd, May 22, 1947; lowest 68.44 below lsd, Sept. 19, 1951. Records available: 1946-53. Apr. 8, 39.23.

Cu-453. Cooper Patterson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 10 S., R. 10 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 9 inches, depth 340 feet, screen 240-340. Land-surface datum is 13.21 feet above msl. Highest water level 30.65 below lsd, May 1, 1950; lowest 59.22 below lsd, July 16, 1953. Records available: 1948-53. Feb. 23, 41.61; Apr. 9, 41.08; May 7, 42.61; July 16, 59.22; July 16, 56.95; Sept. 30, 44.20.

Cu-456. Paul Bellon. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 9 S., R. 8 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 21 inches, depth 436 feet. Land-surface datum is 24.33 feet above msl. Highest water level 27.98 below lsd, Mar. 22, 1950; lowest 45.62 below lsd, Oct. 1, 1952. Records available: 1950-53. Apr. 7, 35.93; Sept. 30, 43.55.

Cameron Parish

Cn-4. Union Sulphur Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 12 S., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 550 feet. Land-surface datum is 4.85 feet above msl. Highest water level 3.57 below lsd, Jan. 10, 1946; lowest 13.55 below lsd, Oct. 2, 1952. Records available: 1945-53. Apr. 8, 11.08; Sept. 29, 12.96.

Cn-8. Broussard Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 12 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 744 feet. Land-surface datum is 3.77 feet above msl. Highest water level 0.4 above lsd, Apr. 11, 1944; lowest 28.82 below lsd, Sept. 20, 1951. Records available: 1943-53. Apr. 8, 20.62; Sept. 29, 27.77.

Cn-10. Hebert, Helms & Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 12 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 376 feet, screen 294-374. Land-surface datum is 4.96 feet above msl. Highest water level 5.42 below lsd, June 11, 1946; lowest 38.63 below lsd, Sept. 20, 1951. Records available: 1945-53. Apr. 8, 16.11; Sept. 29, 18.61.

Cn-16. Maple Hughes. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 12 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 8 inches, depth 350 feet. Land-surface datum is 5.03 feet above msl. Highest water level 5.59 below lsd, May 21, 1947; lowest 28.92 below lsd, Aug. 3, 1951. Records available: 1946-53. Apr. 8, 15.44; Sept. 30, 22.40.

Cn-17. John Predia. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 15 S., R. 8 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 300 feet. Land-surface datum is 5.48 feet above msl. Highest water level 1.88 below lsd, June 11, 1946; lowest 14.60 below lsd, Mar. 22, 1950. Records available: 1945-53. Sept. 29, 11.43.

Cn-19. Warren Miller. NW $\frac{1}{4}$ sec. 32, T. 14 S., R. 7 W. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 360 feet. Land-surface datum is 4.76 feet above msl. Highest water level 1.70 below lsd, July 9, 1946; lowest 11.85 below lsd, Sept. 20, 1951. Records available: 1946-53. Apr. 8, 9.77; Sept. 29, 11.70.

Cn-20. Julian East. SE $\frac{1}{4}$ SE $\frac{1}{4}$ irregular sec. 40, T. 14 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 350 feet. Land-surface datum is 3.93 feet above msl. Highest water level 6.42 below lsd, Nov. 6, 1946; lowest 10.24 below lsd, Apr. 8, 1953. Records available: 1946-53. Apr. 8, 10.24; Sept. 29, 10.11.

Cn-24. Peter Constance. Holly Beach. T. 15 S., R. 11 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 560 feet. Land-surface datum is 0.82 feet above msl. Highest water level 0.21 below lsd, Mar. 18, 1949; lowest 7.70 below lsd, Sept. 29, 1953. Records available: 1949-53. Apr. 8, 4.27; Sept. 29, 7.70.

Cn-27. Sweetlake Land & Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 12 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 490 feet, screen 410-490. Land-surface datum is 11.88 feet above msl. Highest water level 22.01 below lsd, Mar. 22, 1950; lowest 53.19 below lsd, Sept. 20, 1951. Records available: 1949-53. Apr. 8, 27.70; Sept. 29, 41.42.

Cn-28. A. M. Barb. S $\frac{1}{2}$ irregular sec. 31, T. 15 S., R. 10 W. Drilled stock artesian well in sand of Pleistocene age, diameter 6 to 4 inches, depth 282 feet. Land-surface datum is 0.75 feet above msl. Highest water level 8.8 below lsd, Oct. 4, 1949; lowest 20.30 below lsd, Dec. 16, 1952. Records available: 1948-53. Jan. 1, 13.95; Jan. 2, 13.80; Apr. 8, 13.40; Sept. 29, 15.95.

EB-15--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Nov.	Dec.
11	163.67	157.53	.....	.....	.....	h164.01	.....	201.37	183.54
12	163.50	157.56	.....	.....	.....	.....	.....	201.31	183.10
13	163.12	155.68	.....	.....	.....	.....	.....	201.34	182.70
14	161.58	154.10	.....	.....	.....	.....	.....	201.62	182.25
15	161.93	153.12	.....	.....	.....	.....	.....	201.91	181.97
16	162.05	153.52	.....	.....	.....	.....	.....	202.00	181.67
17	161.43	152.32	.....	.....	.....	.....	.....	201.86	180.95
18	161.78	151.70	.....	.....	.....	.....	.....	201.30	180.65
19	161.80	151.63	.....	.....	.....	.....	.....	201.31	179.97
20	161.63	151.41	.....	.....	.....	.....	.....	201.00	178.96
21	160.28	151.00	.....	.....	.....	.....	.....	200.32	178.55
22	160.68	150.60	.....	.....	.....	.....	.....	198.84	178.86
23	160.68	150.13	.....	.....	.....	.....	.....	197.82	179.35
24	159.77	.....	.....	.....	.....	.....	.....	196.73	179.48
25	159.10	.....	.....	.....	.....	.....	.....	195.85	179.50
26	158.86	.....	.....	.....	.....	.....	.....	195.03	179.34
27	159.13	.....	.....	.....	.....	.....	.....	193.76	179.04
28	159.67	.....	.....	.....	.....	.....	.....	192.37	178.27
29	159.72	.....	.....	.....	.....	.....	.....	191.48	178.37
30	159.53	.....	.....	.....	.....	.....	h199.85	190.96	178.42
31	158.48	.....	.....	.....	.....	.....	.....	.....	178.49

* No record for August, September, and October.

h Tape measurement.

EB-20. Esso Standard Oil Co., Louisiana Division. Irregular sec. 43, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 665 feet, screen 334-434, 503-665. Land-surface datum is 65.67 feet above msl. Highest water level 107.6 below lsd, Mar. 7, 1946; lowest 234.5 below lsd, Aug. 22-23, 1948. Records available: 1944-53. Measurement discontinued.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	166.37	163.17	158.72	154.23	176.32	172.23	182.00
2	168.09	163.18	158.17	154.38	178.70	171.50	190.00
3	167.14	164.14	157.36	152.65	177.43	173.48	200.04
4	166.52	164.45	158.01	152.00	180.25	174.15	198.55
5	168.35	163.05	157.38	152.60	181.20	175.32	200.00
6	169.54	162.07	156.88	151.34	183.10	175.66	201.25
7	170.28	164.07	155.30	153.26	183.52	176.80	201.97
8	170.24	163.64	155.04	154.45	182.40	177.72	202.38
9	168.23	163.32	154.50	157.22	180.07	179.12	203.99
10	168.45	162.58	154.71	157.64	180.50	180.56	204.04
11	167.50	161.58	155.93	157.38	179.90	182.02	202.80
12	167.33	161.52	156.88	158.80	181.69	185.95	203.34
13	166.83	161.38	158.85	159.70	182.90	187.86	202.00
14	168.67	161.52	157.97	161.65	183.72	189.00	201.26
15	169.77	161.41	156.18	161.24	182.43	189.88	204.24
16	170.07	161.00	155.87	160.50	180.55	195.50	205.76
17	168.64	160.83	158.79	161.85	179.28	198.36	207.54
18	169.13	161.50	158.74	161.64	178.60	198.30	209.87
19	169.82	161.43	158.65	161.45	179.22	199.15	210.40
20	168.61	161.24	158.73	163.41	180.70	195.00	211.36
21	167.94	160.20	158.78	164.10	180.26	196.20	212.73
22	167.80	159.12	158.63	165.74	179.82	195.35	213.35
23	168.63	157.93	157.28	169.09	179.11	193.60	213.83
24	166.78	159.58	159.23	167.68	178.61	192.14	214.65
25	167.24	159.63	159.75	170.05	178.28	191.40	214.20
26	166.20	158.90	159.53	169.43	177.70	190.57	214.39
27	165.63	159.23	159.06	170.10	175.31	189.60	214.68
28	166.10	158.49	157.87	170.79	175.31	189.00	213.50
29	166.32	.....	157.08	172.90	174.61	189.70	.....
30	165.92	.....	156.67	174.43	173.15	191.15	.....
31	163.97	.....	156.48	.....	172.50	.....	.....

* No record for August, September, October, November, and December.

EB-22. Esso Standard Oil Co., Louisiana Division. Baton Rouge refinery. T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 686 feet, screen 304-424, 506-686. Highest water level 106.4 below lsd, Mar. 12, 1946; lowest 222.0 below lsd, Sept. 5, 1948. Records available: 1940-53. Measurement discontinued.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	171.12	166.17	161.06	154.43	162.95	163.17	189.80
2	170.07	165.33	161.89	154.48	164.76	164.00	190.35
3	172.82	164.87	160.58	153.61	165.31	163.12	193.85
4	171.36	164.69	160.58	154.18	166.27	163.35	192.35
5	170.77	163.89	158.93	154.09	167.10	163.05	192.97
6	171.36	164.00	156.46	154.83	167.75	164.36	194.11
7	171.29	161.13	158.33	155.80	168.10	164.95	195.81
8	169.85	160.44	158.29	157.88	168.04	165.32	196.32
9	169.79	159.91	157.98	157.50	168.66	166.65	197.10
10	170.87	159.36	159.25	157.45	166.87	167.00	196.98
11	169.35	160.24	159.88	157.57	165.18	168.91	197.33
12	169.20	159.46	160.21	157.87	166.23	171.05	197.74
13	168.70	159.88	160.53	158.60	167.20	171.73	196.04
14	170.16	162.37	159.00	159.27	167.91	172.08	195.65
15	170.42	162.07	157.63	159.86	166.82	172.95	197.65
16	171.22	162.06	157.52	159.44	166.93	177.18	198.82
17	170.57	163.03	158.32	159.73	165.91	179.60	198.98
18	169.84	162.09	158.93	158.80	165.46	179.33	199.92
19	169.75	162.00	157.81	158.83	165.73	180.26	200.02
20	168.03	162.40	157.61	162.55	167.50	181.97	200.65
21	168.56	162.86	157.27	162.67	166.79	180.42	201.75
22	168.55	162.43	157.34	162.62	165.97	180.90	202.47
23	166.10	162.04	155.75	160.98	164.71	182.10	202.58
24	166.49	162.58	156.77	159.64	164.07	184.63	204.24
25	167.37	161.81	157.56	159.85	163.57	184.92	204.29
26	166.84	161.25	157.41	159.68	164.24	185.78	204.70
27	165.72	161.38	157.12	160.23	164.25	186.55	206.31
28	165.53	160.83	157.15	160.15	164.68	185.75	205.46
29	166.12		155.17	164.34	164.62	186.41	204.61
30	166.63		154.06	162.45	163.64	188.22	.....
31	166.22		155.73		163.43		.....

* No record for August, September, October, November, and December.

EB-28. Esso Standard Oil Co., Louisiana Division. Baton Rouge refinery. T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,608 feet, screen 1,201-1,280, 1,500-1,600. Highest water level 0.5 above lsd, May 1, 1945; lowest 64.85 below lsd, June 23, 1953. Records available: 1944-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.25	41.79	45.58	46.51	47.88	49.06	50.63	54.67	53.63	.....	58.02	60.02
2	41.25	41.69	45.40	46.69	47.86	49.07	50.73	54.78	53.57	.....	58.02	59.92
3	41.34	41.65	45.54	46.73	47.86	49.17	51.00	54.85	.....	.....	58.09	59.90
4	41.36	42.71	45.71	46.82	47.74	49.24	51.02	54.75	55.48	.....	58.12	59.90
5	41.34	43.70	45.73	46.86	47.83	49.31	50.87	54.65	55.37	.....	58.00	60.07
6	41.39	44.18	45.72	46.76	47.94	49.49	50.73	54.52	55.21	.....	58.00	59.97
7	41.50	44.37	45.78	46.84	48.08	49.54	50.73	54.30	54.99	.....	57.96	59.63
8	41.57	44.46	45.81	47.04	48.23	49.53	51.18	53.95	54.62	57.18	57.93	59.36
9	41.58	44.44	45.63	47.25	48.28	49.78	51.50	53.65	54.52	57.27	57.84	59.14
10	41.56	44.49	45.71	47.31	48.37	49.95	51.85	53.48	54.68	57.44	57.82	59.14
11	41.36	44.44	45.71	47.24	48.30	50.21	52.09	53.38	54.93	57.47	57.81	59.12
12	41.31	44.59	45.65	47.15	48.30	49.93	52.34	53.17	55.15	57.51	57.79	59.08
13	41.42	44.69	45.81	47.15	48.28	49.78	52.60	53.08	55.43	57.69	58.24	59.06
14	41.51	44.74	45.92	47.22	48.21	49.60	52.59	53.13	55.65	57.85	59.06	58.98
15	41.61	44.56	45.99	47.20	48.23	49.51	52.47	53.21	55.82	57.90	59.58	59.12
16	41.61	44.56	45.95	47.36	48.21	49.51	52.48	53.18	55.98	57.95	59.82	59.14
17	43.70	44.73	45.99	47.54	48.18	49.60	52.52	53.14	56.00	58.00	59.87	59.18
18	43.93	44.76	46.01	47.58	48.07	49.75	52.68	53.13	55.99	58.12	59.95	59.18
19	43.88	43.88	46.15	47.73	47.71	50.04	52.97	53.11	.....	58.15	59.96	59.25
20	43.00	43.53	46.31	47.67	47.65	50.26	53.29	53.05	.....	58.11	59.79	59.35
21	42.48	44.16	46.34	47.66	47.76	50.55	53.63	53.01	.....	58.17	59.72	59.31
22	43.38	44.37	46.37	47.72	47.90	50.98	53.78	52.97	.....	58.34	59.57	59.13
23	42.87	44.55	45.99	47.88	48.11	51.27	53.83	53.19	.....	58.51	59.53	59.09
24	42.33	44.67	45.95	47.91	48.27	51.24	53.73	53.30	.....	58.47	59.52	59.09
25	42.10	44.69	45.97	47.73	48.37	51.11	53.72	53.31	.....	58.43	59.67	59.13

EB-28--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	41.72	44.77	46.16	47.77	48.42	50.99	53.68	53.44	.....	58.30	59.87	59.13
27	41.83	45.13	46.28	47.75	48.45	50.95	53.74	53.34	.....	58.14	59.90	58.97
28	42.02	45.47	46.28	47.73	48.48	50.84	53.97	53.36	.....	57.97	60.02	58.86
29	41.81	.....	46.37	47.77	48.68	50.62	54.14	53.32	.....	57.85	60.13	58.86
30	41.82	.....	46.20	47.78	48.81	50.54	54.31	53.17	.....	57.91	60.06	58.94
31	41.81	.....	46.34	.....	49.03	.....	54.53	53.40	.....	57.97	.....	59.11

EB-78. Solvay Process Co. W $\frac{1}{2}$ sec. 42, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 425 feet, screen 332-423. Highest water level 181.03 below lsd, Apr. 4, 1953; lowest 246.20 below lsd, Oct. 8, 1953. Records available: 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	188.87	186.81	.....	.....	.....	.....	238.46	242.94	231.50	.....
2	188.58	184.12	204.35	200.81	.....	.....	239.56	243.08	231.38	.....
3	188.40	181.96	204.50	.....	.....	.....	240.08	243.05	231.89	.....
4	187.89	181.03	204.71	199.40	.....	.....	240.06	243.04	231.50	.....
5	191.72	189.70	.....	204.57	198.71	.....	.....	240.51	243.28	233.15	.....
6	188.79	.....	.....	197.84	.....	.....	240.75	244.10	232.89	.....
7	189.68	.....	196.79	199.87	.....	.....	241.11	245.55	232.46	.....
8	189.50	193.18	.....	200.80	.....	.....	241.20	244.70	232.36	.....
9	190.01	.....	.....	201.24	.....	.....	241.64	238.35	232.35	213.37
10	193.00	.....	.....	202.38	.....	.....	240.00	238.15	231.20	.....
11	190.50	.....	192.25	202.06	.....	.....	240.92	242.08	229.40	.....
12	192.50	.....	193.20	201.88	.....	.....	241.05	237.50	229.33	.....
13	195.17	191.58	.....	193.22	201.15	.....	.....	240.91	239.35	229.33	.....
14	193.77	189.96	.....	193.26	204.97	.....	.....	241.37	241.83	229.07	.....
15	193.20	189.92	.....	195.42	207.84	.....	.....	241.55	241.30	229.32	.....
16	193.08	189.92	195.90	193.61	207.35	.....	.....	241.45	242.77	229.15	.....
17	192.36	189.92	.....	192.80	208.02	.....	.....	241.60	242.80	229.98	.....
18	190.12	189.93	196.35	194.11	214.05	.....	.....	241.15	241.34	230.41	.....
19	190.00	185.94	.....	194.15	.....	.....	240.85	240.82	240.74	229.61	.....
20	189.09	185.38	197.64	192.54	.....	.....	240.45	240.50	239.40	229.00	.....
21	185.47	197.45	192.54	.....	.....	239.86	240.15	238.16	.....	.....
22	185.40	197.11	191.99	.....	.....	238.69	240.55	237.64	.....	.....
23	183.77	197.70	.....	.....	.....	237.05	239.60	237.25	.....	.....
24	183.95	.....	189.36	.....	.....	237.27	240.49	237.60	.....	.....
25	184.98	.....	189.12	.....	.....	236.62	241.38	232.64	.....	.....
26	189.88	.....	.....	193.27	.....	.....	236.43	241.75	230.98	.....	.....
27	189.95	184.56	.....	195.40	.....	.....	237.40	242.25	231.56	.....	.....
28	189.46	184.36	.....	196.57	.....	.....	237.57	240.25	232.13	.....	.....
29	184.13	199.52	.....	.....	.....	237.12	242.94	232.55	.....	.....
30	183.00	202.90	.....	.....	.....	237.47	242.05	232.11	.....	.....
31	186.38	.....	.....	.....	.....	237.29	.....	232.50	.....	.....

h Tape measurement.

EB-90. Baton Rouge Water Works Co., well 8. Lula Ave. Pumping Station. T. 6 S., R. 1 E. Drilled unused artesian well in sand of Miocene age, diameter 8 to 6 inches, depth 2,125 feet, screen 2,025-2,120. Highest water level 12.7 below lsd, Feb. 23, 1943; lowest 54.62 below lsd, Oct. 1, 1952. Records available: 1943-53. Recording gage removed July 21, 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.00	28.25	28.30	29.49	29.65	35.81	47.90	.....	.....	.....	.....	.....
2	31.91	27.53	28.22	29.00	30.20	36.99	44.60	.....	.....	.....	.....	.....
3	32.09	29.50	28.53	29.05	30.10	37.50	43.85	.....	.....	.....	.....	.....
4	31.92	28.83	28.64	28.94	29.62	41.80	42.37	.....	440.77	.....	.....	.....
5	31.55	30.80	29.05	28.90	29.76	42.16	38.00	.....	.....	.....	h51.38	.....
6	31.87	30.99	29.34	27.61	30.11	42.50	40.38	.....	.....	.....	.....	.....
7	32.21	30.72	29.40	27.93	30.00	42.16	41.45	.....	.....	.....	.....	.....
8	32.14	30.47	29.69	28.48	30.70	41.25	42.10	.....	.....	.....	.....	.....
9	32.10	29.88	29.49	28.79	31.35	41.17	42.96	.....	.....	h56.87	.....	h42.44
10	31.53	28.50	29.68	29.21	31.37	44.34	42.60	.....	.....	.....	.....	.....
11	31.96	29.70	29.23	29.57	31.07	48.27	38.44	.....	.....	.....	.....	.....
12	31.70	30.73	29.95	29.81	31.90	47.30	38.00	.....	.....	.....	.....	.....
13	32.21	31.02	30.42	28.90	32.39	48.32	36.65	.....	.....	.....	.....	.....
14	32.21	30.50	30.53	28.91	33.77	49.37	36.84	.....	.....	.....	.....	.....
15	32.04	29.97	30.49	29.42	33.02	44.48	36.90	.....	.....	.....	.....	.....

EB-90--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	29.47	29.76	29.49	.....	48.45	38.10	.....	.....	.....	.....	.....
17	.....	27.62	29.87	29.49	.....	49.40	38.64	.....	.....	.....	.....	.....
18	.....	29.96	30.11	29.05	32.49	51.02	40.54	.....	.....	.....	.....	.....
19	.....	30.04	30.20	28.87	32.65	52.24	40.49	.....	.....	.....	.....	.....
20	.....	30.40	30.48	28.89	33.19	53.44	39.65	.....	.....	.....	.....	.....
21	.....	30.51	30.12	27.93	34.20	54.38	.....	.....	.....	.....	.....	.....
22	30.94	30.43	30.23	27.25	.....	50.58	.....	.....	.....	.....	.....	.....
23	30.43	28.95	29.83	29.42	.....	47.74	.....	.....	.....	.....	.....	.....
24	30.12	29.77	29.80	30.00	.....	52.55	.....	.....	.....	.....	.....	.....
25	27.60	29.72	29.76	29.78	.....	52.17	.....	.....	.....	.....	.....	.....
26	27.40	29.62	29.43	29.48	.....	51.99	.....	.....	.....	.....	.....	.....
27	27.60	30.52	29.49	29.21	.....	52.08	.....	.....	.....	.....	.....	.....
28	28.95	29.19	29.36	29.25	35.55	51.48	.....	.....	.....	.....	.....	.....
29	31.94	.....	29.19	29.30	36.25	47.38	.....	.....	.....	.....	.....	.....
30	30.32	.....	28.63	29.40	36.11	49.86	.....	.....	.....	.....	.....	.....
31	28.40	.....	29.21	.....	36.77	.....	h39.75	.....	.....	.....	.....	.....

h Tape measurement.

EB-117. Louisiana State University's Westdale Country Club. W $\frac{1}{2}$ sec. 95, T. 7 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,402 feet, screen 1,321-1,402. Highest water level 0.84 below lsd, Mar. 28, 1949; lowest 24.20 below lsd, Nov. 5, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	13.43	Mar. 12	13.88	Apr. 23	14.59	July 3	17.71
22	13.22	19	14.08	29	14.79	31	20.13
Feb. 6	12.90	27	14.19	May 7	14.71	Sept. 3	23.58
12	13.33	Apr. 2	14.38	14	14.94	Oct. 15	23.31
19	13.55	8	14.31	21	14.47	Nov. 5	24.20
26	13.60	17	14.60	June 11	16.34	Dec. 9	23.96
Mar. 5	13.43						

EB-125. People's Ice and Fuel Co. 1931 Railroad Ave., Baton Rouge. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 744 feet, screen 663-744. Highest water level 68.85 below lsd, Jan. 28, 1947; lowest 153.47 below lsd, Aug. 28, 1948. Records available: 1940-53. Jan. 8, 96.31; Jan. 22, 97.44. Measurement discontinued.

EB-128. Ice Service Co. 135 S. 15th St., Baton Rouge. T. 7 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 412 feet. Highest water level 67.90 below lsd, Mar. 14-18, 24-27, 1946; lowest 122.95 below lsd, Nov. 16, 18, 1953. Records available: 1940-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.03	.....	91.32	.....	.....	.....	.....	117.04	120.10	122.19	121.44
2	100.47	57.82	.....	91.28	.....	.....	.....	.....	117.15	120.23	122.20	121.15
3	97.64	.....	91.23	.....	.....	.....	.....	117.18	120.37	122.20	120.30
4	97.54	.....	91.23	.....	.....	.....	.....	117.32	120.52	122.19	120.64
5	97.52	93.91	91.23	.....	.....	.....	.....	117.43	120.60	122.19	120.35
6	97.36	.....	91.23	.....	.....	.....	.....	117.50	120.77	122.19	121.19
7	97.23	.....	90.98	.....	.....	.....	.....	117.54	121.04	122.19	121.19
8	99.66	97.18	.....	90.83	.....	.....	.....	.....	117.57	121.19	122.19	121.19
9	97.09	.....	90.83	.....	.....	.....	.....	117.65	121.37	122.19	121.18.57
10	96.99	.....	90.76	.....	.....	.....	.....	117.73	121.52	122.19	121.18.43
11	96.83	.....	90.72	.....	.....	.....	.....	117.78	121.68	122.19	121.18.10
12	96.67	92.57	90.63	.....	.....	.....	.....	117.88	121.84	122.19	121.17.83
13	96.64	92.44	90.61	.....	.....	.....	.....	117.97	122.03	122.19	121.17.44
14	96.38	92.24	90.5	.....	.....	.....	.....	118.05	122.18	122.19	121.17.20
15	96.28	92.07	.....	.....	.....	.....	.....	118.18	122.29	122.19	121.16.94
16	96.12	91.92	.....	.....	.....	.....	.....	118.31	122.36	122.19	121.16.67
17	96.07	91.79	.....	.....	.....	.....	.....	118.50	122.42	122.19	121.16.40
18	95.93	91.68	.....	.....	.....	.....	.....	118.66	122.45	122.19	121.16.12
19	95.73	91.69	.....	.....	.....	.....	.....	118.79	122.43	122.19	121.15.75
20	95.52	.....	.....	.....	.....	.....	115.56	118.91	122.40	122.19	121.15.24
21	95.53	.....	.....	.....	.....	.....	115.73	119.04	122.37	122.19	121.14.87
22	98.80	95.38	.....	.....	94.18	.....	.....	115.82	119.24	122.35	122.19	121.14.57
23	95.23	.....	91.21	94.35	.....	.....	115.96	119.31	122.30	122.19	121.14.39
24	94.94	.....	.....	94.30	.....	.....	116.09	119.38	122.26	122.19	121.14.18
25	94.78	.....	.....	93.94	.....	.....	116.17	119.44	122.22	122.19	121.13.92

EB-128--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	94.68	.....	.....	93.64	.....	.....	116.30	119.48	122.17	122.51	113.66
27	.....	.....	.....	.....	93.68	.....	.....	116.44	119.56	122.16	122.34	113.32
28	98.45	.....	91.43	.....	93.81	.....	.....	116.56	119.69	122.18	122.22	112.97
29	98.40	.....	91.45	.....	94.96	.....	.....	116.68	119.79	122.19	122.00	112.77
30	98.28	.....	91.44	.....	.....	.....	.....	116.79	119.98	122.19	121.70	112.57
31	98.13	.....	91.38	.....	.....	.....	h94.96	116.88	.....	122.19	.....	112.48

e Estimated.

h Tape measurement.

EB-160. Southern University Blind Institute. Scotlandville. $W\frac{1}{2}$ sec. 39, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,014 feet, screen 974-1,014. Highest water level 11.14 below lsd, Jan. 25, 1950; lowest 39.90 below lsd, Sept. 3, 1953. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	20.52	Mar. 5	23.76	Apr. 16	25.38	May 21	25.79
22	21.52	12	24.14	23	25.95	28	26.51
Feb. 6	21.32	19	24.43	29	25.72	Aug. 24	36.67
12	22.07	27	24.47	May 7	26.02	Sept. 3	39.90
20	22.36	Apr. 2	24.88	14	26.28	Oct. 8	39.02
26	24.93	8	25.29	.....	.....	.....	.....

EB-242. Louisiana State University. $E\frac{1}{2}E\frac{1}{2}$ sec. 74, T. 8 S., R. 1 W. Drilled unused artesian well in sand of Recent age, diameter $2\frac{1}{2}$ inches, depth 180 feet. Highest water level 4.63 above lsd, Mar. 15, 1948; lowest 20.91 below lsd, Nov. 6, 1948. Records available: 1945-49, 1953. Aug. 19, 17.20; Dec. 22, 19.48.

EB-289. Baton Rouge Water Works Co. Irregular sec. 50, T. 6 S., R. 1 W. Drilled public-supply well in sand of Pleistocene age, diameter 4 to $2\frac{1}{2}$ inches, depth 1,404 feet, screen 1,344-1,404. Highest water level 15.78 below lsd, Feb. 1, 1950; lowest 35.45 below lsd, June 11, 1953. Records available: 1949-53. Measurement discontinued.

Jan. 8	24.40	Mar. 5	23.94	Apr. 16	24.78	May 28	22.71
22	24.63	12	23.49	23	24.85	June 11	35.45
Feb. 6	24.17	19	23.56	29	25.83	July 3	27.53
12	24.08	27	24.07	May 7	25.81	30	33.36
20	23.48	Apr. 2	24.35	14	25.64	Sept. 9	27.23
26	23.60	8	24.26	21	24.55	.....	.....

EB-293. Consolidated Chemical Industries, Inc. $N\frac{1}{2}W\frac{1}{2}$ sec. 37, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 6 inches, depth 606 feet, screen 540-600. Highest water level 81.1 below lsd, Mar. 8, 1946; lowest 216.82 below lsd, Oct. 5, 1953. Records available: 1944-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	142.23	119.17	129.99	147.29	131.17	188.97	207.42	198.67	214.33	.....	183.96
2	.....	142.03	118.74	130.78	148.95	129.90	188.14	207.05	206.72	215.23	.....	171.90
3	.....	137.89	118.40	130.80	148.30	132.10	189.21	206.68	201.89	215.87	190.96	169.88
4	.....	142.57	118.27	130.27	148.74	133.01	190.10	206.40	208.67	216.30	190.38	168.54
5	.....	142.05	117.94	132.76	150.35	133.51	190.17	206.28	210.68	216.77	190.43	167.57
6	.....	141.90	117.06	134.50	146.20	137.12	191.10	206.57	211.36	215.72	190.12	166.37
7	138.00	135.20	116.77	136.44	156.78	137.60	193.20	206.71	211.13	215.66	190.17	166.31
8	.....	133.77	116.30	137.10	157.54	138.40	195.93	206.65	211.80	210.61	189.35	165.57
9	138.53	135.90	115.80	137.64	157.56	145.42	195.03	207.06	211.92	211.25	189.71	164.69
10	138.37	138.85	115.30	138.95	158.80	152.60	194.04	205.62	209.25	212.34	190.24	163.35
11	136.70	134.80	115.23	140.54	158.00	154.12	192.79	205.64	209.27	.....	190.94	161.98
12	135.87	131.75	129.04	141.48	158.15	157.75	192.17	204.83	209.66	.....	190.10	161.05
13	135.82	127.23	128.83	142.02	158.26	160.68	191.98	205.22	210.21	.....	188.46	160.25
14	138.12	124.01	128.74	143.18	159.45	162.21	192.49	206.59	210.60	.....	200.08	159.67
15	136.12	123.26	130.86	143.77	156.65	163.71	193.19	207.22	210.99	.....	200.91	159.45
16	137.11	123.05	131.12	144.41	156.33	170.19	195.85	207.41	211.14	.....	202.02	158.74
17	137.57	118.83	132.09	144.53	155.31	172.96	197.44	207.94	211.26	.....	202.35	158.35
18	138.12	127.10	131.93	148.85	151.43	175.03	199.34	210.37	211.69	.....	204.87	157.42
19	138.60	125.64	131.83	150.38	150.45	176.70	200.63	210.62	212.05	.....	205.20	157.60
20	138.14	128.12	132.07	151.15	148.00	178.69	201.47	210.70	211.86	.....	205.37	155.45
21	137.43	128.58	131.90	150.97	144.30	178.19	205.07	210.49	210.35	.....	204.57	154.82
22	138.37	128.78	132.10	149.90	141.25	180.12	206.04	209.83	210.05	.....	201.20	154.60
23	138.68	129.25	131.65	146.43	140.35	181.60	206.13	210.24	210.16	.....	197.25	154.71
24	138.75	129.72	131.86	147.35	139.67	183.34	207.63	209.92	212.35	.....	191.33	154.68
25	138.75	124.72	132.09	140.84	139.08	185.55	208.81	209.66	214.47	.....	190.58	154.50

EB-293--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	138.82	124.17	134.82	144.35	140.05	187.47	209.56	210.31	211.38	.....	189.44	154.22
27	138.25	123.60	134.70	147.13	135.70	188.75	210.07	210.43	211.22	.....	188.17	154.00
28	138.17	120.55	133.13	146.66	134.70	189.43	210.38	209.84	211.42	.....	187.05	153.56
29	137.50		132.33	147.30	133.20	189.88	210.18	210.04	210.26	.....	186.66	153.30
30	136.50		131.51	147.38	132.43	188.35	209.48	209.83	212.02	.....	185.79	153.21
31	141.68		131.07		131.91		207.88	209.78		.....		155.20

EB-295. Wood River Oil & Refining Co. $S\frac{1}{2}W\frac{1}{2}$ sec. 50, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 1,340 feet. Highest water level 26.12 below lsd, Jan. 2, 1953; lowest 48.35 below lsd, Oct. 23, 1953. Records available: 1952-53.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Oct.	Nov.
1	26.17	26.42	30.15	31.69	.....	33.68	.....	.....	47.93
2	26.13	26.40	30.28	31.76	.....	33.87	.....	.....	48.01
3	26.26	26.26	30.42	.....	.....	33.94	37.17	.....	48.05
4	26.31	27.08	30.55	.....	.....	33.79	37.09	.....	48.01
5	26.27	27.55	30.57	.....	.....	34.41	37.09	.....	47.99
6	26.31	26.90	30.58	.....	.....	34.84	37.10	.....	48.01
7	26.28	.....	30.67	.....	33.09	34.69	37.35	.....	47.96
8	26.36	.....	30.76	32.42	33.18	36.38	37.67	.....	47.95
9	26.30	.....	30.87	.....	33.27	36.94	37.75	.....	47.85
10	26.30	.....	30.95	.....	33.37	36.55	38.08	.....	47.85
11	26.19	.....	30.92	.....	33.32	35.30	38.21	.....	47.84
12	26.20	28.59	31.04	.....	33.21	.....	38.34	.....	47.82
13	26.25	29.15	31.10	.....	33.06	.....	.....	.....	47.80
14	26.25	28.70	31.14	.....	33.10	.....	.....	.....	.....
15	.....	28.97	31.15	.....	33.11	.....	.....	.....	.....
16	.....	28.86	31.21	.....	33.09	.....	.....	.....	.....
17	.....	29.00	31.12	32.58	33.07	.....	.....	.....	.....
18	.....	29.22	31.17	32.53	32.58	.....	.....	.....	.....
19	.....	28.68	31.28	32.90	32.64	.....	.....	.....	.....
20	.....	28.78	.....	32.80	32.66	.....	.....	.....	.....
21	.....	.....	.....	32.78	32.79	.....	.....	.....	.....
22	28.03	.....	.....	32.82	32.89	.....	.....	.....	.....
23	27.43	.....	.....	33.09	33.14	.....	.....	48.35	.....
24	27.13	.....	.....	.....	33.30	.....	.....	48.11	.....
25	26.97	.....	.....	.....	33.43	.....	.....	48.04	.....
26	26.79	29.74	.....	.....	33.43	.....	.....	47.92	.....
27	26.97	29.93	31.30	.....	33.44	.....	.....	47.98	.....
28	26.78	30.06	31.43	.....	33.49	.....	.....	47.92	.....
29	26.53		31.47	.....	33.58	.....	.....	47.80	.....
30	26.48		31.50	32.53	33.61	.....	.....	47.86	.....
31	26.43		31.68		33.69	.....	.....	47.87	.....

* No record for August, September, and December.

EB-301. H. B. Whitter. $W\frac{1}{2}$ sec. 91, T. 7 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to $2\frac{1}{2}$ inches, depth 1,281 feet. Highest water level 17.00 above lsd, Feb. 23, 1943; lowest 20.47 below lsd, Dec. 22, 1953. Records available: 1943-49, 1953. Aug. 18, 18.70; Dec. 22, 20.47.

EB-302. H. A. Bozeman. NW. cor. sec. 3, T. 7 S., R. 2 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,340 feet, screen 1,320-1,340. Highest water level 33.1 above lsd, Feb. 4, 1943; lowest 10.95 above lsd, July 3, 1951. Records available: 1943-44, 1946-51. Measurement discontinued.

EB-303. Greenwell Springs Sanitarium. $E\frac{1}{2}E\frac{1}{2}$ sec. 49, T. 5 S., R. 2 E. Drilled public-supply artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,189 feet, screen 1,145-1,185. Land-surface datum is 66.76 feet above msl. Highest water level 26.0 above lsd, June 2, 1943; lowest 2.0 above lsd, Nov. 2, 1949. Records available: 1943-47, 1949-51. No measurement made in 1953.

EB-304. Greenwell Springs Sanitarium. $E\frac{1}{2}E\frac{1}{2}$ sec. 49, T. 5 S., R. 2 E. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,738 feet, screen 1,698-1,738. Highest water level 71.5 above lsd, Feb. 24, 1943; lowest 40.5 above lsd, Nov. 2, 1949. Records available: 1943-46, 1949-51. No measurement made in 1953.

EB-312. Johnny Ross. Evangeline & Wildwood Parkway, Baton Rouge. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 2½ inches, depth 1,370 feet. Land-surface datum is 50.20 feet above msl. Highest water level 19.6 above lsd, Feb. 23, 1943; lowest 27.18 below lsd, Oct. 16, 1952. Records available: 1943-53. Jan. 8, 24.81; Jan. 22, 24.73; Feb. 6, 25.04. Measurement discontinued.

EB-315. Baton Rouge Water Works Co. Formerly E. J. Morgan. Zion City. Center of sec. 93, T. 6 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 3 inches, depth 1,960 feet, screen 1,920-1,960. Highest water level 22.9 above lsd, Feb. 25, 1943; lowest 32.18 below lsd, Nov. 5, 1953. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	13.98	Mar. 21	12.25	May 14	9.57	Sept. 4	22.05
Feb. 12	12.39	Apr. 2	12.24	21	7.57	Oct. 8	31.28
26	11.66	16	11.21	28	14.67	Nov. 5	32.18
Mar. 5	11.06	29	11.68	July 13	21.81	Dec. 9	23.97
19	12.72	May 7	11.62				

EB-317. H. H. Edwards. SW¼ sec. 6, T. 6 S., R. 2 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,176 feet, screen 1,116-1,176. Land-surface datum is 63.29 feet above msl. Highest water level 23.7 above lsd, Feb. 24, 1943; lowest 2.5 above lsd, Sept. 14, 1950, July 3, 1951. Records available: 1943-51. No measurement made in 1953.

EB-318. Tom Morgan. North side sec. 24, T. 6 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 1,277 feet. Land-surface datum is 58.77 feet above msl. Highest water level 25.3 above lsd, Feb. 24, 1943; lowest 2.8 above lsd, July 3, 1951. Records available: 1943-46, 1948-51. Measurement discontinued.

EB-322. T. E. Charlton. SE¼ sec. 29, T. 5 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2½ to 2 inches, depth 1,970 feet, screen 1,930-1,970. Highest water level 59.5 above lsd, May 20, 1943; lowest 37.5 above lsd, July 3, 1951. Records available: 1943-51. No measurement made in 1953.

EB-323. Standard Ice Box Co. Third St. and Illinois Central Railroad. W½ sec. 42, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,317 feet, screen 1,296-1,317. Highest water level 8.0 above lsd, June 3, 1943; lowest 69.73 below lsd, Sept. 3, 1953. Records available: 1943-44, 1946-53. Measurement discontinued.

Jan. 8	26.77	Mar. 12	33.01	Apr. 30	33.74	July 3	46.98
22	30.09	19	30.60	May 7	36.38	30	59.25
Feb. 6	30.18	27	30.73	14	37.00	Sept. 3	69.73
12	27.25	Apr. 2	33.58	21	36.89	Oct. 8	66.86
19	30.53	8	36.63	28	38.11	Nov. 5	67.54
26	32.43	16	37.68	June 11	40.94	Dec. 9	61.98
Mar. 5	29.74	23	39.95				

EB-468. A. M. Holden. E½ sec. 53, T. 5 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 2,430 feet, screen 2,342-2,430. Highest water level 64.7 above lsd, May 13, 1948; lowest 51.3 above lsd, Aug. 21, 1953. Records available: 1948-51, 1953. Aug. 21, +51.3.

EB-469. A. M. Holden. E½ sec. 53, T. 5 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 920 feet. Highest water level 5.26 below lsd, Mar. 15, 1948; lowest 32.23 below lsd, Dec. 9, 1953. Records available: 1948-53.

Jan. 8	16.68	Mar. 19	18.58	Apr. 29	19.61	July 3	22.47
22	16.85	27	18.79	May 7	19.88	30	24.86
Feb. 12	17.01	Apr. 3	18.96	14	20.11	Sept. 3	27.20
19	17.45	8	18.20	21	18.69	Oct. 8	29.67
26	17.47	16	19.49	28	20.31	Nov. 5	30.84
Mar. 5	17.77	23	19.66	June 11	20.99	Dec. 9	32.23
12	18.28						

EB-474. U. S. Geol. Survey. Watson farm. S½W½ sec. 49, T. 4 S., R. 2 E. Drilled observation artesian well in sand of Pleistocene age, diameter 6 inches, depth 58 feet. Land-surface datum is 80.01 feet above msl. Highest water level 9.09 below lsd, May 8, 1949; lowest 13.98 below lsd, Nov. 28, 1952. Records available: 1948-53.

Jan. 21	13.58	Apr. 23	12.68	July 3	12.05	Oct. 8	12.82
Feb. 24	12.98	May 21	11.35	Sept. 4	11.97	Nov. 5	13.27
Apr. 3	12.56						

Evangeline Parish

Ev-1. John LaHaye. SW $\frac{1}{4}$ sec. 20, T. 4 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 210 feet, screen 130-210. Land-surface datum is 70.25 feet above msl. Highest water level 38.51 below lsd, Jan. 21, 1943; lowest 97.36 below lsd, July 16, 1951. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	66.01	May 5	67.20	Aug. 10	93.58	Oct. 30	67.82
Apr. 6	63.69	June 8	83.66	Oct. 1	78.39	Dec. 21	70.91

Ev-2. John Reed. Sec. 37, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 200 feet. Land-surface datum is 58.15 feet above msl. Highest water level 42.30 below lsd, Jan. 21, 1943; lowest 116.40 below lsd, July 14, 1953. Records available: 1939-53.

Apr. 6	72.26	June 8	105.97	Aug. 10	100.20	Oct. 28	88.54
May 5	78.58	July 14	116.40	Oct. 1	92.19	Dec. 21	81.47

Ev-3. State of Louisiana. SE $\frac{1}{4}$ sec. 33, T. 2 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 3 inches, depth 199 feet. Land-surface datum is 75.27 feet above msl. Highest water level 30.92 below lsd, Mar. 12, 1946; lowest 36.96 below lsd, Nov. 28, 1953. Records available: 1944-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.53	36.35	36.01	35.89	35.90	.....	35.83	36.15	36.35	36.59	36.89	36.93
2	36.42	36.34	36.03	35.86	35.93	.....	35.83	36.16	36.38	36.60	36.90	36.93
3	36.50	36.33	36.02	35.86	35.89	.....	35.84	36.16	36.38	36.63	36.91	36.81
4	36.48	36.33	36.17	35.89	35.71	.....	35.86	36.18	36.37	36.64	36.90	36.91
5	36.46	36.34	36.22	35.84	35.78	.....	35.87	36.19	36.37	36.64	36.86	36.89
6	36.46	36.32	36.18	35.79	35.79	.....	35.88	36.19	36.38	36.65	36.90	36.93
7	36.46	36.34	36.15	35.85	35.77	.....	35.89	36.20	36.39	36.67	36.90	36.92
8	36.45	36.37	36.13	35.86	35.77	.....	35.91	36.22	36.40	36.68	36.90	36.90
9	36.42	36.37	36.11	35.86	35.77	.....	35.93	36.23	36.40	36.69	36.91	36.86
10	36.45	36.35	36.04	35.87	35.76	.....	35.92	36.24	36.40	36.70	36.91	36.87
11	36.46	36.30	35.97	35.84	35.75	.....	35.94	36.25	36.40	36.71	36.91	36.83
12	36.49	36.26	36.02	35.89	35.75	.....	35.96	36.26	36.40	36.73	36.91	36.86
13	36.46	36.32	35.99	35.90	35.56	.....	35.96	36.27	36.40	36.75	36.92	36.81
14	36.44	36.28	35.95	35.87	35.57	.....	35.97	36.28	36.41	36.77	36.92	36.85
15	36.44	36.18	36.05	35.87	35.56	.....	35.98	36.29	36.42	36.78	36.92	36.85
16	36.46	36.26	36.06	35.90	35.52	.....	35.99	36.29	36.43	36.79	36.93	36.84
17	36.43	36.28	35.98	35.89	35.54	.....	36.00	36.30	36.44	36.80	36.94	36.84
18	36.44	36.37	35.93	35.91	e35.45	.....	36.02	36.31	36.45	36.82	36.94	36.83
19	e36.4	36.23	36.00	35.93	35.35	.....	36.04	36.32	36.45	36.84	36.93	36.81
20	e36.4	36.13	35.98	35.94	35.33	.....	36.05	36.34	36.46	36.83	e36.9	36.78
21	e36.4	36.22	35.95	35.94	35.30	.....	36.06	36.36	36.52	36.83	e36.9	36.78
22	e36.4	36.35	35.88	35.95	35.30	.....	36.08	36.36	36.52	36.82	e36.9	36.83
23	36.34	e36.2	35.97	35.95	35.32	35.77	36.04	e36.4	36.51	36.85	36.92	36.84
24	36.45	36.02	36.02	35.95	e35.3	35.78	36.08	36.36	36.52	36.85	36.92	36.83
25	36.45	35.98	36.05	35.85	e35.3	35.80	36.06	36.35	36.51	36.85	36.95	36.81
26	36.38	36.03	36.03	35.94	e35.3	35.81	36.08	36.34	36.52	36.86	36.95	36.81
27	36.34	36.04	35.89	35.93	35.35	35.81	36.09	36.35	36.54	36.84	36.95	36.78
28	36.37	36.05	35.94	35.89	35.39	35.74	36.11	36.31	36.57	36.86	36.95	36.73
29	36.38		35.93	35.76	.....	35.79	36.12	36.32	36.57	36.87	36.94	36.75
30	36.34		35.91	35.88	.....	35.80	36.14	36.33	36.58	36.88	36.94	36.76
31	36.32		35.89	.....	.....	.....	36.15	36.34		36.88		36.80

e Estimated.

Ev-7. C. Morein. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 4 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 75.54 feet above msl. Highest water level 67.50 below lsd, Apr. 21, 1950; lowest 82.92 below lsd, Aug. 27, 1953. Records available: 1950-53. Apr. 6, 75.79; Aug. 27, 82.92; Oct. 1, 80.72.

Ev-18. Alphonse LeFleur. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 6 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 275 feet. Land-surface datum is 44.70 feet above msl. Highest water level 33.81 below lsd, Apr. 22, 1944; lowest 69.53 below lsd, Oct. 2, 1953. Records available: 1944-53. Apr. 10, 53.37; Oct. 2, 69.53.

Ev-23. Mrs. A. Swallow. Sec. 26, T. 5 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 360 feet. Land-surface datum is 51.06 feet above msl. Highest water level 37.94 below lsd, Mar. 13, 1947; lowest 72.84 below lsd, Aug. 6, 1947. Records available: 1946-53. Apr. 10, 52.86; Oct. 2, 67.44.

Ev-37. Gordon Micks. SW $\frac{1}{4}$ sec. 15, T. 3 S., R. 2 W. Dug unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 41 feet. Land-surface datum is 106 feet above msl. Highest water level 19.77 below lsd, Mar. 2, 1948; lowest 33.57 below lsd, Dec. 31, 1953. Records available: 1945-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	32.76	32.68	32.74	32.15	32.04	32.45	32.75	33.05	33.26	33.41
2	.....	.....	32.83	32.67	e32.7	32.13	32.04	32.46	32.76	33.06	33.26	33.41
3	.....	.....	32.77	32.68	e32.7	32.11	32.05	32.47	32.76	33.08	33.27	33.42
4	.....	.....	.....	32.70	e32.7	32.10	32.07	32.47	32.79	33.09	33.27	33.43
5	.....	.....	.....	32.63	32.61	32.08	32.08	32.48	32.79	33.10	33.28	33.43
6	.....	.....	.....	32.60	32.53	32.07	32.08	32.49	32.80	33.11	33.28	33.44
7	.....	.....	.....	32.69	32.51	32.06	32.09	32.50	32.81	33.12	33.28	33.45
8	.....	.....	.....	32.66	32.57	e32.08	32.10	32.50	32.82	33.13	33.30	33.45
9	.....	.....	.....	32.65	32.58	32.10	32.13	32.51	32.83	33.13	33.30	33.45
10	.....	.....	.....	32.67	32.56	32.07	32.15	32.55	32.84	33.14	33.30	33.46
11	.....	.....	.....	32.63	32.55	32.05	e32.18	32.57	32.85	33.16	33.31	33.46
12	.....	.....	.....	32.67	32.55	32.05	e32.20	32.58	e32.90	33.16	33.32	33.47
13	.....	.....	.....	32.70	32.00	32.04	e32.22	32.59	e32.90	33.16	33.32	33.47
14	.....	.....	.....	32.66	32.33	32.02	32.23	32.60	e32.90	33.16	33.32	33.48
15	33.06	.....	.....	32.68	31.73	32.02	32.25	32.60	e32.90	33.16	33.33	e33.48
16	33.06	.....	.....	32.71	32.00	32.04	32.25	32.61	e32.90	33.17	33.33	e33.49
17	33.07	.....	.....	32.67	32.00	32.01	32.27	32.62	e32.90	33.17	33.34	e33.50
18	33.07	.....	.....	32.73	31.10	32.00	32.28	32.63	e32.90	33.18	33.34	e33.51
19	33.06	.....	.....	32.75	32.08	32.00	32.30	32.64	e32.90	33.19	33.35	e33.52
20	33.06	.....	.....	32.74	32.14	32.01	32.30	32.65	e32.90	33.19	33.36	e33.52
21	33.07	.....	.....	32.74	32.22	32.00	32.33	32.65	e32.90	33.20	33.36	33.52
22	33.07	.....	.....	32.75	32.25	32.00	32.34	32.66	e32.90	33.20	33.37	33.53
23	.....	.....	.....	32.75	32.25	32.01	32.35	32.67	e32.90	33.20	33.37	33.54
24	.....	32.91	.....	32.74	32.25	32.00	32.37	32.68	32.99	33.21	33.38	33.54
25	.....	32.79	.....	32.76	32.25	32.00	32.38	32.70	33.00	33.22	33.38	33.54
26	.....	32.74	32.63	32.77	32.22	32.01	32.39	32.70	33.00	33.23	33.39	33.54
27	.....	32.80	32.47	32.76	32.21	32.01	32.40	32.70	33.01	e33.24	33.39	33.54
28	.....	32.84	32.62	32.71	32.20	32.03	32.40	32.70	33.02	e33.24	33.40	33.55
29	.....	.....	32.60	32.37	32.17	32.05	32.42	32.74	33.04	e33.24	33.40	33.55
30	.....	.....	32.62	32.75	32.15	32.05	32.44	32.74	33.05	33.25	33.40	33.56
31	.....	.....	32.67	.....	.....	.....	32.44	32.75	.....	33.26	.....	33.57

e Estimated.

Ev-46. Gordon Micks. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 3 S., R. 2 W. Drilled unused artesian well in sand of Pleistocene age, diameter 3 inches, depth 110 feet. Highest water level 27.01 below lsd, July 6, 1949; lowest 36.89 below lsd, May 16, 1951. Records available: 1945-53. Oct. 30, 35.68; Nov. 20, 35.79; Dec. 21, 35.83.

Ev-68. Davies Guillory. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 4 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 190 feet, screen 125-190. Land-surface datum is 65.35 feet above msl. Highest water level 56.2 below lsd, Apr. 21, 1950; lowest 99.10 below lsd, June 19, 1951. Records available: 1949-53. Feb. 24, 68.58; Apr. 6, 64.80; May 5, 70.63; Oct. 1, 90.16.

Ev-70. C. Guillory. Center line sec. 1, T. 6 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet. Land-surface datum is 59.90 feet below msl. Highest water level 54.85 below lsd, Mar. 12, 1947; lowest 88.45 below lsd, Sept. 7, 1948. Records available: 1947-53. Apr. 6, 76.73; Oct. 1, 86.97.

Ev-84. Leroy Soileau. NW $\frac{1}{4}$ sec. 33, T. 5 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 inches, depth 209 feet, screen 117-205. Highest water level 74.30 below lsd, Mar. 24, 1950; lowest 86.61 below lsd, Oct. 1, 1953. Records available: 1949-53. Apr. 6, 81.26; Oct. 1, 86.61.

Ev-90. Hass Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 4 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 210 feet. Land-surface datum is 58.54 feet above msl. Highest water level 33.94 below lsd, Mar. 13, 1947; lowest 72.41 below lsd, June 21, 1949. Records available: 1947-53. Apr. 10, 47.54; Oct. 1, 69.78.

Ev-200. Continental Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 4 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 240 feet. Land-surface datum is 51.58 feet above msl. Highest water level 27.9 below lsd, May 1-2, 1950; lowest 54.1 below lsd, July 22, 1951. Records available: 1948-53. Feb. 24, 35.14; June 8, 49.85; July 14, 48.47; Oct. 1, 45.53.

Ev-229. Chestley Fontenot. SE $\frac{1}{4}$ sec. 25, T. 4 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 135 feet. Land-surface datum is 65.88 feet above msl. Highest water level 45.52 below lsd, Apr. 18, 1951; lowest 92.92 below lsd, July 14, 1953. Records available: 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.77	56.48	54.75	53.48	59.45	.....	.....	.....	.....	h72.06	68.00	63.64
2	58.65	56.39	54.71	53.44	59.69	.....	.....	.....	.....	.....	67.87	63.41
3	58.61	56.32	54.76	53.42	59.37	.....	.....	.....	.....	.....	67.69	63.11
4	58.51	56.38	54.78	53.41	58.51	.....	.....	.....	.....	.....	67.30	63.03
5	58.44	56.18	54.75	53.33	.....	.....	.....	.....	.....	.....	67.21	62.83
6	58.33	56.10	54.70	53.23	.....	.....	.....	.....	.....	.....	67.10	62.80
7	58.23	56.08	54.68	53.21	.....	.....	.....	.....	.....	71.58	66.93	62.73
8	58.08	56.05	54.62	53.19	.....	h82.24	.....	.....	.....	71.68	66.85	62.54
9	58.01	56.01	54.51	53.18	.....	.....	.....	.....	.....	71.60	66.71	62.39
10	57.94	55.92	54.42	53.18	.....	.....	.....	h82.40	.....	71.44	66.54	62.29
11	57.93	55.78	54.37	53.13	.....	.....	.....	.....	.....	71.12	66.42	62.11
12	57.87	55.78	54.28	53.16	.....	.....	.....	.....	.....	71.20	66.27	62.00
13	57.76	55.71	54.23	.....	.....	.....	.....	.....	.....	71.40	66.13	61.83
14	57.67	55.55	54.22	.....	.....	.....	h92.92	.....	.....	70.81	65.99	61.81
15	57.75	55.52	54.20	.....	.....	.....	.....	.....	.....	70.60	65.83	61.75
16	57.70	55.48	54.10	.....	.....	.....	.....	.....	.....	70.50	65.77	61.68
17	57.60	.....	54.04	.....	.....	.....	.....	.....	.....	70.37	65.60	61.61
18	57.52	.....	54.01	.....	.....	.....	.....	.....	.....	70.27	65.49	61.52
19	57.40	.....	53.95	.....	.....	.....	.....	.....	.....	70.14	65.30	61.34
20	57.28	.....	53.88	.....	.....	.....	.....	.....	.....	70.05	65.20	61.10
21	57.25	.....	53.75	59.95	.....	.....	.....	.....	.....	69.90	65.00	61.03
22	57.14	.....	53.75	62.02	.....	.....	.....	.....	.....	69.95	64.89	60.93
23	57.00	.....	53.72	64.30	.....	.....	.....	.....	.....	69.60	64.80	60.92
24	57.00	55.12	53.73	65.36	.....	.....	.....	.....	.....	69.34	64.63	60.87
25	56.99	55.02	53.72	62.66	.....	.....	.....	.....	.....	69.17	64.46	60.77
26	56.92	54.92	53.61	61.24	.....	.....	.....	.....	.....	68.82	64.38	60.64
27	56.83	54.85	53.58	61.20	.....	.....	.....	.....	.....	68.72	64.23	60.47
28	56.80	54.82	e53.55	61.77	.....	.....	.....	.....	.....	68.58	64.13	60.25
29	56.74	.....	e53.55	61.28	.....	.....	.....	.....	.....	68.47	63.95	60.14
30	56.63	.....	e53.55	60.05	.....	.....	.....	.....	.....	68.35	63.81	60.07
31	56.52	.....	53.52	.....	.....	.....	.....	.....	.....	68.15	.....	60.07

h Tape measurement.

Ev-236. Continental Oil Co. Sec. 44, T. 4 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 290 feet. Highest water level 68.82 below lsd, Apr. 1, 1949; lowest 80.93 below lsd, Oct. 1, 1953. Records available: 1949-53. Oct. 1, 80.93.

Ev-392. W. Johnson. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 1 S., R. 1 E. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 54 feet. Land-surface datum is 95.58 feet above msl. Highest water level 37.78 below lsd, July 6, 1953; lowest 41.53 below lsd, Dec. 31, 1952. Records available: 1952-53. Recording gage removed Nov. 4, 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.49	41.39	40.99	40.37	40.07	38.69	37.80	38.01	.....	38.59	38.98	.....
2	41.50	41.39	.....	40.35	40.07	38.64	37.79	38.03	.....	38.60	38.99	.....
3	41.50	41.40	41.05	40.34	40.05	38.58	37.79	38.04	38.29	38.61	39.00	.....
4	41.48	41.41	41.08	40.32	40.07	38.52	37.79	38.05	38.31	38.62	39.01	.....
5	41.48	41.39	41.01	40.29	40.07	38.47	37.79	38.05	38.32	38.64	.....	.....
6	41.48	41.41	40.99	40.26	40.02	38.42	37.78	38.06	38.33	38.65	.....	.....
7	41.48	41.40	40.96	40.29	39.99	38.38	37.80	38.07	38.34	38.67	.....	.....
8	41.40	41.40	40.94	40.26	39.98	38.34	37.80	38.08	38.36	38.68	.....	.....
9	41.48	41.39	40.91	40.23	39.94	38.26	37.80	38.08	38.36	38.69	.....	.....
10	41.47	41.35	40.86	40.22	39.93	38.22	37.80	38.10	38.36	38.70	.....	.....
11	41.49	41.31	40.83	40.20	39.90	38.17	37.80	38.12	38.37	38.72	.....	.....
12	41.48	41.34	40.82	40.15	39.89	38.14	37.81	38.13	38.38	38.74	.....	.....
13	41.46	41.32	40.79	40.22	39.91	38.11	37.81	38.14	38.38	38.74	.....	.....
14	41.44	41.26	40.76	40.20	39.81	38.07	37.82	38.15	38.39	38.76	.....	.....
15	41.45	41.32	40.77	40.19	39.82	38.05	37.84	38.15	38.42	38.76	.....	.....

Ev-392--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	41.46	41.31	40.73	40.19	39.71	38.03	37.85	38.16	38.43	38.78	.....	.....
17	41.45	41.32	40.68	40.17	39.71	38.00	37.86	38.17	38.44	38.79	.....	.....
18	41.44	41.28	40.67	40.17	39.68	37.97	37.87	38.18	38.45	38.80	.....	.....
19	41.44	41.23	40.65	40.17	39.56	37.95	37.88	38.18	38.46	38.83	.....	.....
20	41.42	41.17	40.62	40.15	39.54	37.93	37.89	38.20	38.47	38.83	.....	.....
21	41.42	41.30	40.60	40.15	.....	37.92	37.92	38.21	38.49	38.84	.....	.....
22	41.41	41.22	40.57	40.14	.....	37.90	37.94	38.21	38.51	38.85	.....	.....
23	41.42	41.19	40.58	40.11	.....	37.89	37.96	38.22	.....	38.87	.....	.....
24	41.45	41.06	40.57	40.08	.....	37.88	37.97	38.23	.....	38.87	.....	.....
25	41.43	41.09	40.53	40.11	.....	37.87	37.99	38.24	.....	38.88	.....	.....
26	41.41	41.09	40.50	40.11	.....	37.86	38.00	38.25	.....	38.91	.....	.....
27	41.42	41.05	40.47	40.12	39.02	37.85	38.01	38.26	.....	38.92	.....	.....
28	41.43	41.04	40.46	40.09	38.94	37.84	37.98	38.26	h38.55	38.93	.....	.....
29	41.41	.....	40.43	40.06	38.87	37.84	37.99	38.27	38.56	38.95	.....	.....
30	41.39	.....	40.40	40.08	38.81	37.81	38.01	38.28	38.58	38.96	.....	.....
31	41.39	.....	40.41	.....	38.74	.....	38.01	38.29	.....	38.98	.....	.....

h Tape measurement.

Ev-495. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 1 S., R. 1 W. Drilled observation artesian well in sand and gravel of Pleistocene age, diameter 4 inches, depth 90 feet. Land-surface datum is 124.74 feet above msl. Highest water level 60.30 below lsd, July 18, 1953; lowest 62.21 below lsd, May 4, 1953. Records available: 1953. Recording gage installed Apr. 27, 1953.

Daily noon water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	62.11	61.02	60.39	.....	.....	60.64	60.86	61.05
2	.....	62.16	61.00	60.38	.....	60.48	60.65	60.85	61.05
3	.....	62.11	.....	60.37	.....	60.48	60.65	60.87	61.06
4	.....	62.21	.....	60.37	60.37	60.51	60.65	60.87	61.08
5	.....	62.15	.....	60.36	60.35	60.52	60.65	60.90	61.08
6	.....	62.10	.....	60.35	60.37	60.52	60.68	60.90	61.16
7	h62.11	62.10	.....	60.34	60.39	60.53	60.69	.....	61.09
8	.....	62.10	.....	60.33	60.38	60.52	60.69	60.92	61.10
9	.....	62.05	60.76	60.36	60.37	60.53	60.70	60.93	61.17
10	.....	62.00	60.72	60.33	60.39	60.53	60.71	60.91	61.13
11	.....	61.95	60.70	60.33	60.39	60.54	60.71	60.93	61.11
12	.....	.....	60.66	60.34	60.39	60.53	60.73	60.95	61.17
13	h62.14	.....	60.66	60.34	60.39	60.54	60.74	60.96	61.13
14	.....	.....	60.61	60.34	60.39	60.52	60.75	60.96	61.17
15	.....	.....	60.61	60.34	60.39	.....	60.75	60.96	61.16
16	.....	.....	60.61	60.34	60.38	.....	60.75	60.97	61.20
17	.....	.....	60.59	60.34	60.40	.....	60.77	60.97	61.16
18	.....	.....	60.55	60.34	60.40	.....	60.76	60.98	61.17
19	.....	.....	60.52	60.33	60.41	.....	60.76	60.98	61.17
20	h62.13	.....	60.51	60.34	60.41	.....	60.76	61.01	61.15
21	.....	.....	60.49	60.35	60.42	.....	60.78	60.98	61.16
22	h62.12	.....	60.48	60.35	60.42	60.60	60.79	61.01	61.20
23	.....	.....	60.49	60.34	60.42	60.60	60.79	60.98	61.19
24	.....	.....	60.46	60.36	60.43	60.61	60.79	61.02	61.16
25	.....	.....	60.45	60.36	60.44	60.62	60.79	61.01	61.17
26	.....	.....	60.45	60.37	60.44	.....	60.82	61.02	.....
27	h62.08	61.31	60.43	60.36	60.44	.....	60.82	61.04	.....
28	62.11	61.24	60.44	60.34	60.45	.....	60.82	61.05	61.28
29	62.03	61.18	60.43	60.34	60.45	60.62	60.84	61.05	61.23
30	62.15	61.13	60.41	.....	60.46	60.64	60.85	61.06	61.33
31	.....	61.08	.....	.....	60.47	.....	60.85	.....	61.25

* No record for January, February, and March.

h Tape measurement.

Ev-500. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 2 S., R. 1 W. Drilled observation artesian well in sand and gravel of Pleistocene age, diameter 4 inches, depth 126 feet. Land-surface datum is 118.3 feet above msl. Highest water level 47.77 below lsd, Apr. 29, 1953; lowest 48.67 below lsd, Apr. 22, 1953. Records available: 1953.

Ev-500--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.23	48.17	48.09	.....	48.20	48.16	48.24	48.20
2	48.30	48.18	48.08	.....	48.16	48.14	48.22	48.13
3	48.25	48.20	48.12	.....	48.11	48.16	48.22	48.13
4	48.26	48.17	48.12	48.16	48.22	48.14	48.13	48.38
5	48.36	48.19	48.08	48.05	48.20	48.12	48.25	48.13
6	48.36	48.18	48.01	.....	48.19	48.20	48.21	48.45
7	48.25	48.18	48.09	.....	48.23	48.20	48.22	48.32
8	48.26	48.17	48.13	.....	48.15	48.16	48.27	48.18
9	48.27	48.28	48.09	.....	48.15	48.16	48.22	48.38
10	48.21	48.22	48.11	.....	48.14	48.16	48.16	48.30
11	48.21	48.16	48.07	48.15	48.14	48.19	.....	48.18
12	48.21	48.15	48.07	48.13	48.13	48.22	.....	48.36
13	h48.34	48.23	48.14	48.11	48.12	48.12	48.22	.....	48.18
14	48.22	48.08	48.11	48.07	48.10	48.19	.....	48.44
15	48.18	48.12	48.12	.....	48.11	48.16	.....	48.37
16	48.18	48.21	48.12	.....	48.15	48.16	.....	48.38
17	48.09	48.08	48.17	48.11	.....	48.18	48.19	48.21	48.34
18	48.08	48.10	48.07	.....	48.16	48.19	48.21	48.32
19	48.12	48.13	48.08	48.08	48.12	48.20	48.15	48.17
20	48.64	.....	48.15	48.09	48.10	48.13	48.19	48.30	48.01
21	48.62	.....	48.14	48.07	48.13	48.20	48.20	48.20	48.03
22	48.65	.....	48.11	48.15	48.09	48.21	48.20	48.33	48.37
23	48.59	.....	48.17	48.12	48.08	48.09	48.19	48.21	48.46
24	48.15	48.12	48.14	48.12	48.17	48.17	48.26
25	48.19	48.16	48.13	48.14	48.08	48.18	48.31	48.19
26	48.24	48.17	.....	48.13	48.08	48.21	48.34	48.18
27	48.32	48.23	48.12	48.09	48.12	48.13	48.23	48.25	48.05
28	48.09	48.21	48.16	48.10	48.12	48.13	48.15	48.31	48.18
29	47.88	48.18	48.18	48.14	48.13	48.16	48.24	48.27	48.26
30	48.13	48.17	48.15	48.13	48.14	48.17	48.20	48.23	48.38
31	h48.19	.....	48.17	.....	.....	48.13	.....	48.18	.....	48.50

h Tape measurement.

Grant Parish

G-2. Carnahan, Hunthunce & Hargiss. Sec. 5, T. 5 N., R. 3 W. Drilled domestic artesian well in sand of Catahoula formation, diameter 3 inches, depth 298 feet. Highest water level 1.77 below lsd, Apr. 27, 1942; lowest 34.13 below lsd, Nov. 19, 1953. Records available: 1938-45, 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	28.68	June 5	26.90	Aug. 28	31.82	Nov. 19	34.13
Apr. 23	28.92	July 31	28.95	Oct. 16	33.60	Dec. 18	33.17

G-27. i-H Club Camp. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 6 N., R. 1 E. Drilled domestic artesian well in sand of Catahoula formation, diameter 2 inches, depth 397 feet. Highest water level 3.45 above lsd, Mar. 27, 1950; lowest 0.92 above lsd, Oct. 25, 1945. Records available: 1938, 1940-43, 1945-47, 1949-53. Mar. 3, +2.49; Apr. 20, +2.22; June 1, +2.60; July 28, +2.37; Oct. 12, +3.31; Nov. 16, +3.40; Dec. 15, +3.40.

G-121. John Hamberlin. SW $\frac{1}{4}$ irregular sec. 5, T. 5 N., R. 3 W. Dug domestic artesian well in sand of Recent age, diameter 36 inches, depth 16 feet. Highest water level 0.08 below lsd, Jan. 20, 1947; lowest 12.70 below lsd, Aug. 2, 1950. Records available: 1947-52. Measurement discontinued.

G-127. Camp Livingston. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 6 N., R. 1 E. Drilled unused artesian well in upland sand of Pleistocene age, diameter 12 inches, depth 127 feet, screen 106-127. Highest water level 65.25 below lsd, Aug. 25, 1950; lowest 85.06 below lsd, Feb. 24, 1950. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 24, 1952	68.01	Feb. 24, 1953	68.45	June 23, 1953	68.36	Oct. 22, 1953	67.52
Nov. 24	68.11	Mar. 24	68.76	July 20	67.11	Nov. 23	67.74
Dec. 24	68.44	Apr. 20	68.72	Aug. 24	67.09	Dec. 22	67.88
Jan. 21, 1953	68.59	May 22	68.21	Sept. 21	67.28		

Iberia Parish

I-19. Jefferson Island Planting Co. Irregular sec. 59, T. 12 S., R. 5 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 477 feet. Land-surface datum is 9.72 feet above msl. Highest water level 3.65 below lsd, May 11, 1944; lowest 10.08 below lsd, Oct. 2, 1953. Records available: 1944-53. Oct. 2, 10.08.

Jackson Parish

Ja-13. Southern Advance Bag & Paper Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 15 N., R. 4 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 512 feet, screen 262-339, 363-509. Highest water level 57.6 below lsd, Feb. 14, 1950; lowest 120.32 below lsd, Jan. 27, 1953. Records available: 1945-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	107.17	114.47	110.42	99.16	81.42	.....	99.84	102.40	102.87	e84.	82.98	82.06
2	107.78	114.14	110.36	102.24	88.88	.....	97.26	102.42	99.78	.....	82.84	81.63
3	108.28	113.84	110.10	107.32	92.47	.....	95.11	102.77	97.60	.....	82.67	81.05
4	108.68	113.60	109.36	109.09	94.68	h94.69	93.24	102.30	95.90	.....	82.48	80.68
5	108.98	113.41	105.46	110.29	96.06	94.68	91.60	101.70	94.56	.....	82.32	80.43
6	109.23	113.12	101.36	104.59	96.38	94.62	90.30	101.87	93.48	.....	82.20	80.32
7	109.41	112.77	99.10	e102.	97.02	94.60	88.74	103.33	92.50	.....	82.07	79.97
8	109.45	113.05	97.43	99.54	97.97	95.98	87.53	104.96	91.48	.....	81.97	79.74
9	109.64	113.85	96.08	95.37	98.64	98.88	86.40	106.27	90.86	.....	84.00	79.44
10	109.75	113.57	94.87	91.58	99.23	101.34	85.38	106.01	89.85	.....	87.32	79.28
11	109.92	113.16	93.64	90.80	99.62	103.09	84.37	105.17	88.89	.....	89.87	79.07
12	110.25	112.78	90.32	90.76	99.90	104.34	84.27	105.54	88.18	e84.	89.65	78.90
13	110.54	112.49	75.10	88.77	100.08	105.27	87.46	106.62	87.60	86.58	89.84	80.57
14	110.62	112.25	88.50	93.52	100.20	105.93	91.96	107.75	87.07	88.44	92.32	82.60
15	112.30	112.06	90.33	96.96	100.17	106.47	95.85	108.78	86.58	89.79	94.65	84.35
16	114.25	111.92	90.32	99.07	99.98	106.95	98.74	109.60	86.18	89.26	93.20	85.75
17	115.75	111.83	90.21	100.43	87.12	.....	100.86	110.25	85.83	88.40	91.70	86.78
18	115.87	111.79	90.73	95.25	.....	.....	102.41	110.79	85.52	87.69	91.43	87.63
19	114.86	111.68	91.11	92.00	.....	.....	103.65	111.19	85.20	87.08	92.87	88.22
20	115.55	111.45	91.60	89.88	.....	.....	104.61	111.53	86.91	86.55	91.60	86.99
21	116.77	111.21	92.12	88.43	.....	.....	105.46	111.84	88.94	86.07	91.98	84.47
22	117.81	111.05	92.55	87.31	.....	.....	106.13	112.12	.....	85.65	92.20	82.95
23	118.48	110.88	92.66	86.37	.....	.....	106.69	112.37	.....	85.27	90.57	82.01
24	119.07	110.76	93.32	85.67	.....	.....	e107.2	112.55	.....	84.93	87.90	81.33
25	119.08	110.69	93.60	85.61	.....	.....	e107.7	112.61	.....	84.60	86.31	80.72
26	119.95	110.64	93.87	84.65	.....	.....	e108.2	111.54	.....	84.23	85.24	80.07
27	120.25	110.55	94.28	84.10	.....	.....	e108.2	110.28	.....	83.97	85.70	79.33
28	118.75	110.48	94.43	83.68	.....	.....	106.75	109.08	e91.0	83.75	83.65	78.92
29	117.57	.....	94.24	80.98	.....	e107.	105.26	107.95	e89.8	83.55	83.06	77.99
30	115.50	.....	95.00	63.98	.....	103.05	104.03	106.96	e87.8	83.35	82.53	77.44
31	114.92	.....	99.79	.....	.....	.....	103.33	106.12	.....	83.15	.....	76.97

e Estimated.

h Tape measurement.

Jefferson Parish

Jf-12. Fourth Jefferson Drainage District. New Orleans pumping station 1. Sec. 54, T. 12 S., R. 10 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 880 feet. Highest water level 15.40 below lsd, June 22, 1943; lowest 42.06 below lsd, May 13, 1953. Records available: 1942-51, 1953. May 13, 42.06. Measurement discontinued.

Jf-26. John Frabiale. NW $\frac{1}{4}$ sec. 38, T. 12 S., R. 10 E. Drilled domestic well in sand of Recent age, diameter 2 inches, depth 185 feet. Records available: 1953. Sept. 18, +0.10; Nov. 22, -0.55.

Jefferson Davis Parish

JD-8. W. Koll. SW $\frac{1}{4}$ sec. 3, T. 9 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 336 feet, screen 246-336. Land-surface datum is 31.39 feet above msl. Highest water level 27.13 below lsd, Apr. 10, 1941; lowest 62.81 below lsd, Oct. 1, 1953. Records available: 1938-40, 1944-53. Apr. 8, 49.03; Oct. 1, 62.81.

JD-9. Welsh Canal Co. NW $\frac{1}{4}$ sec. 34, T. 9 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 318 feet, screen 238-318. Land-surface datum is 24.10 feet above msl. Highest water level 19.52 below lsd, Mar. 29, 1943; lowest 73.65 below lsd, July 23, 1951. Records available: 1938-53.

JD-9--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	41.77	June 9	64.35	Aug. 11	64.17	Oct. 27	55.32
Apr. 8	42.54	July 15	71.23	Sept. 30	58.65	Dec. 22	47.35
May 6	43.97						

JD-11. Mrs. T. L. Linscomb. NE $\frac{1}{4}$ sec. 28, T. 7 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 307 feet, screen 206-307. Land-surface datum is 46.70 feet above msl. Highest water level 40.30 below lsd, Jan. 21, 1943; lowest 68.41 below lsd, Oct. 1, 1953. Records available: 1938-53. Apr. 8, 59.29; Oct. 1, 68.41.

JD-14. Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 21, T. 7 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 350 feet, screen 270-350. Land-surface datum is 48.00 feet above msl. Highest water level 42.56 below lsd, Feb. 6, 1947; lowest 59.95 below lsd, Oct. 1, 1953. Records available: 1938-39, 1944-53. Apr. 8, 54.93; Oct. 1, 59.95.

JD-23. Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 4, T. 10 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 16 to 10 inches, depth 353 feet, screen 116-243. Land-surface datum is 25.71 feet above msl. Highest water level 17.98 below lsd, May 8, 1942; lowest 65.5 below lsd, July 25-26, 1951. Records available: 1938-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.05	41.79	....	38.62	40.21	44.69	....	....	....	....	....	46.13
2	43.97	41.72	....	38.61	40.21	45.90	....	....	....	....	....	45.95
3	43.96	41.65	....	38.62	40.15	47.15	....	....	....	....	....	45.72
4	43.84	41.60	....	38.64	40.06	48.43	....	....	....	....	....	45.78
5	43.75	41.50	....	38.55	40.07	50.50	....	....	....	....	....	45.60
6	43.65	41.39	....	38.42	40.04	51.80	....	....	....	....	....	45.72
7	43.56	41.40	....	38.48	40.06	52.70	....	....	....	....	....	45.61
8	43.39	41.41	....	38.50	40.21	53.37	....	....	....	....	....	45.40
9	43.39	41.35	....	38.49	40.42	54.07	....	....	....	....	....	45.33
10	43.33	41.26	....	38.52	40.70	54.76	....	....	....	....	....	45.28
11	43.38	41.11	....	38.49	40.97	55.50	....	....	55.30	....	....	45.08
12	43.31	41.09	....	38.51	41.55	56.03	....	....	55.28	....	....	45.05
13	43.16	....	....	38.65	41.94	56.27	....	....	55.27	....	....	44.93
14	43.07	....	....	38.63	42.02	56.41	....	....	55.18	....	....	44.99
15	43.02	....	....	38.62	41.85	56.49	....	....	55.04	....	....	44.90
16	43.94	....	....	38.84	41.89	56.93	....	....	54.95	....	....	44.86
17	42.87	....	....	38.89	41.79	57.40	....	....	54.94	....	....	44.82
18	....	....	....	39.00	41.49	57.80	....	....	54.86	....	....	44.73
19	....	....	....	39.26	41.39	58.00	....	....	54.69	....	....	44.45
20	....	....	....	39.45	41.25	57.83	....	h59.05	54.50	....	....	44.25
21	....	....	....	39.63	41.11	58.91	....	59.15	54.36	....	....	44.17
22	....	....	....	39.85	41.02	59.97	....	59.15	54.27	....	....	h44.20
23	....	h40.58	....	40.29	40.98	60.65	....	58.96	54.01	....	h46.88	44.28
24	....	....	....	40.39	40.95	61.34	....	58.78	53.85	....	46.70	44.20
25	....	....	h38.98	40.57	41.03	61.96	....	58.67	54.64	....	46.73	44.10
26	42.21	....	39.90	40.63	41.36	62.63	....	....	53.46	h50.06	46.75	43.96
27	42.13	....	38.77	....	41.58	63.05	h58.40	....	....	....	46.60	43.75
28	42.06	....	38.78	....	42.10	63.40	....	....	h53.32	....	46.57	43.61
29	42.05	....	38.73	40.16	42.65	....	....	....	....	....	46.43	43.55
30	41.91	....	38.67	40.21	42.25	....	....	....	....	....	46.33	43.56
31	41.80	....	38.63	....	43.87	....	....	....	....	....	....	43.58

h Tape measurement.

JD-26. I. L. Hebert. NE $\frac{1}{4}$ sec. 21, T. 10 S., R. 3 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 to 10 inches, depth 350 feet. Land-surface datum is 19.63 feet above msl. Highest water level 18.95 below lsd, Jan. 22, 1943; lowest 43.68 below lsd, July 9, 1948. Records available: 1939-53. Apr. 8, 30.86; Sept. 30, 43.08.

JD-33. Joe Petitjean. NW $\frac{1}{4}$ sec. 18, T. 11 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 350 feet. Land-surface datum is 8.17 feet above msl. Highest water level 5.61 below lsd, Apr. 8, 1941; lowest 36.37 below lsd, Sept. 18, 1951. Records available: 1939-41, 1947-53. Apr. 8, 20.41; Sept. 30, 31.47.

JD-43. Lucius Vidrine. NE $\frac{1}{4}$ sec. 24, T. 8 S., R. 6 W. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 350 feet. Land-surface datum is 32.19 feet above msl. Highest water level 26.03 below lsd, Jan. 22, 1943; lowest 64.94 below lsd, July 9, 1953. Records available: 1939-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	62.38	53.85	52.55	52.70	50.38	48.65
2	.....	.....	.....	.....	.....	.....	63.29	53.29	52.39	52.17	50.34	48.52
3	.....	.....	.....	.....	.....	.....	63.40	53.00	52.39	51.93	50.24	48.22
4	.....	.....	.....	.....	.....	.....	63.06	52.79	52.52	51.79	50.07	48.34
5	.....	.....	.....	.....	.....	.....	63.75	52.68	52.62	51.54	50.05	48.28
6	.....	.....	.....	.....	h48.40	.....	63.55	56.43	52.58	51.58	50.02	48.33
7	.....	.....	.....	h43.27	.....	.....	64.12	57.04	52.47	51.63	49.94	48.36
8	.....	.....	.....	.....	.....	.....	64.50	57.30	52.38	56.14	51.59	48.23
9	.....	.....	.....	.....	.....	h58.73	64.94	57.93	52.49	53.25	49.93	48.12
10	.....	.....	.....	.....	.....	60.00	62.00	55.10	54.77	52.37	49.88	48.15
11	.....	.....	.....	.....	.....	60.25	64.86	55.23	56.85	52.18	49.75	47.98
12	.....	.....	.....	.....	.....	59.05	.....	55.53	57.24	52.45	49.68	47.97
13	.....	.....	.....	.....	.....	58.50	.....	55.94	53.45	53.50	49.63	47.87
14	.....	.....	.....	.....	.....	58.52	.....	55.95	52.93	52.18	49.57	47.93
15	.....	.....	.....	.....	.....	58.49	h61.84	55.73	52.70	52.00	49.48	47.95
16	.....	.....	.....	.....	.....	58.51	58.45	55.89	52.63	51.95	50.05	47.92
17	46.62	.....	.....	.....	.....	59.51	57.95	55.71	52.56	51.89	50.05	47.92
18	46.56	.....	.....	.....	.....	57.39	57.17	55.70	52.44	51.85	49.43	47.88
19	46.51	.....	.....	.....	.....	57.35	56.86	55.43	52.34	51.75	49.20	47.72
20	46.38	.....	.....	.....	.....	61.25	56.54	55.08	52.21	52.28	49.16	47.49
21	46.32	.....	.....	.....	.....	62.00	56.06	55.40	55.67	52.21	49.08	47.40
22	46.25	.....	.....	.....	.....	62.50	55.63	55.34	56.42	52.06	48.98	47.00
23	46.10	h45.16	.....	.....	.....	62.85	55.12	55.68	56.50	52.55	49.00	47.54
24	.....	.....	.....	.....	.....	63.05	54.76	57.91	52.37	51.98	48.87	47.55
25	.....	.....	.....	.....	.....	63.05	54.51	56.30	52.28	51.46	48.90	47.49
26	.....	.....	.....	.....	.....	63.15	54.25	53.98	51.96	51.02	48.93	47.40
27	.....	.....	.....	.....	.....	62.70	53.95	53.55	52.64	50.94	48.85	47.22
28	.....	.....	h43.70	.....	.....	62.70	53.85	53.26	52.74	50.78	48.85	47.05
29	.....	.....	.....	.....	.....	62.10	54.48	53.00	52.92	50.67	48.80	47.03
30	.....	.....	.....	.....	.....	61.81	54.73	52.76	53.14	50.57	48.75	47.05
31	.....	.....	.....	.....	.....	.....	54.37	52.68	.....	50.46	.....	47.15

h Tape measurement.

JD-78. E. A. Lyons & Sons. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 11 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 16 inches, depth 347 feet. Land-surface datum is 5.44 feet above msl. Highest water level 4.22 below lsd, Apr. 13, 1944; lowest 36.57 below lsd, July 6, 1948. Records available: 1939-40, 1944-53. Apr. 8, 17.22; Sept. 30, 27.10.

JD-115. Calcasieu-Marine National Bank. NE $\frac{1}{4}$ sec. 34, T. 9 S., R. 5 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 30.20 feet above msl. Highest water level 25.77 below lsd, Jan. 22, 1943; lowest 67.81 below lsd, Sept. 10, 1948. Records available: 1939-53. Apr. 8, 40.35; Sept. 30, 54.80.

JD-222. Lacassane Co., Inc. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 11 S., R. 5 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 4.98 feet above msl. Highest water level 6.15 below lsd, May 8, 1946; lowest 32.78 below lsd, Sept. 18, 1951. Records available: 1945-53. Apr. 8, 17.09; Sept. 30, 26.78.

JD-223. Lacassane Co., Inc. SW $\frac{1}{4}$ sec. 27, T. 11 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 300 feet. Land-surface datum is 5.18 feet above msl. Highest water level 6.88 below lsd, Apr. 18, 1946; lowest 32.68 below lsd, July 6, 1948. Records available: 1945-53. Apr. 8, 17.46; Sept. 30, 25.73.

JD-224. T. J. Heinen. Sec. 10, T. 8 S., R. 4 W. Drilled observation artesian well in sand of Pleistocene age, diameter 6 inches, depth 760 feet, screen 585-604. Highest water level 39.10 below lsd, Apr. 20-25, 29-30, May 1-6, 1947; lowest 74.32 below lsd, July 17, 20, 1951. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	54.92	June 9	65.83	Aug. 11	72.82	Oct. 26	64.55
Apr. 7	54.43	July 15	72.04	Oct. 2	66.65	Dec. 22	60.29
May 6	56.51						

JD-317. H. Aguilard. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 8 S., R. 4 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 289 feet, screen 209-289. Land-surface datum is 41.73 feet above msl. Highest water level 48.99 below lsd, Mar. 20, 1950; lowest 69.45 below lsd, Oct. 2, 1953. Records available: 1948-53. Apr. 7, 56.22; Oct. 2, 69.45.

JD-331. Lock-Moor Plantation. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 8 S., R. 7 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 183 feet, screen 119-183. Land-surface datum is 25.06 feet above msl. Highest water level 22.60 below lsd, Mar. 20, 1950; lowest 30.30 below lsd, Sept. 30, 1952. Records available: 1949-53. Apr. 7, 27.29; Oct. 2, 29.40.

Lafayette Parish

Lf-6. Southwestern Louisiana Institute Horticultural Farm. Irregular sec. 68, T. 9 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 to 6 inches, depth 184 feet. Land-surface datum is 35.37 feet above msl. Highest water level 22.73 below lsd, Jan. 5, 1948; lowest 35.88 below lsd, Oct. 7, 1947. Records available: 1943-53. Apr. 6, 29.75; May 6, 25.14; Sept. 30, 30.54.

Lf-129. Claude Hanks. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 10 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 8 inches, depth 350 feet, screen 300-350. Land-surface datum is 30.12 feet above msl. Highest water level 23.05 below lsd, Apr. 11, 1944; lowest 38.85 below lsd, Nov. 4, 1947. Records available: 1943-53. Apr. 6, 31.77; Sept. 30, 36.08.

Lf-164. Gaston Gordon. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 10 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 113 feet. Land-surface datum is 33.41 feet above msl. Highest water level 14.9 below lsd, July 9-10, 1946; lowest 29.3 below lsd, May 11, 1948. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1952	27.92	Sept. 10, 1952	27.20	Apr. 9, 1953	25.84	July 14, 1953	25.50
Feb. 28	26.70	Oct. 2	27.46	June 8	23.57	Sept. 29	26.70
May 1	24.78	Nov. 12	28.09				

Lf-210. B. W. Spell. Irregular sec. 24, T. 10 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 350 feet. Land-surface datum is 26.01 feet above msl. Highest water level 19.92 below lsd, Apr. 11, 1944; lowest 39.89 below lsd, June 21, 1949. Records available: 1943-53. Apr. 7, 31.38; Sept. 30, 39.40.

Lf-405. John Conque. Irregular sec. 35, T. 11 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 2 inches, depth 190 feet, screen 166-190. Land-surface datum is 48.89 feet above msl. Highest water level 36.03 below lsd, Aug. 8, 1946; lowest 44.39, below lsd, Apr. 9, 1953. Records available: 1946-53. Apr. 9, 44.39; Sept. 29, 42.91.

Lf-437. Southern Pacific Railroad Co. Irregular sec. 40, T. 11 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet, screen 130-150. Land-surface datum is 18.89 feet above msl. Highest water level 12.06 below lsd, May 14, 1947; lowest 22.25 below lsd, July 15, 1947. Records available: 1946-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.75	.....	18.24	.....	18.08	.....	18.85	18.98	19.11	.....	19.34	19.37
2	18.72	.....	18.27	.....	18.12	.....	18.82	18.99	19.11	h17.48	19.37	19.30
3	18.77	.....	18.25	.....	18.10	.....	18.82	19.00	19.05	.....	19.35	19.13
4	18.75	.....	18.29	.....	18.09	.....	18.82	19.00	19.09	.....	19.30	19.31
5	18.75	.....	18.46	.....	18.13	.....	18.83	19.00	19.12	.....	19.37	19.23
6	18.74	.....	18.42	.....	18.09	.....	18.82	19.00	19.12	.....	19.38	19.34
7	18.74	.....	18.39	18.15	18.09	.....	18.90	19.01	19.12	.....	19.34	19.38
8	18.67	.....	18.37	18.16	18.08	18.06	18.99	19.01	19.12	.....	19.37	19.29
9	18.71	.....	18.35	18.15	18.08	18.08	18.99	19.01	19.12	.....	19.39	19.34
10	18.74	.....	18.27	18.15	18.08	18.10	18.99	19.03	19.12	.....	19.38	19.35
11	18.78	.....	18.27	18.12	18.07	18.16	.....	19.09	19.12	.....	19.40	19.25
12	18.78	.....	18.30	18.13	18.07	18.15	.....	19.08	19.12	.....	19.40	19.28
13	18.74	.....	18.28	18.25	18.03	18.13	.....	19.09	.....	.....	19.40	19.25
14	18.72	.....	18.15	18.18	18.04	18.13	.....	19.09	.....	.....	19.35	19.42
15	18.73	.....	.....	18.13	17.99	18.17	18.97	19.09	.....	.....	19.30	19.40
16	18.74	.....	.....	18.21	17.97	18.23	18.96	19.08	.....	.....	19.37	19.41
17	18.70	.....	.....	18.11	17.84	18.27	18.96	19.09	.....	.....	19.40	19.42
18	.....	.....	.....	18.11	17.84	18.28	18.96	19.09	.....	.....	19.38	19.39
19	.....	.....	.....	18.22	17.87	18.30	18.95	19.07	.....	.....	19.29	19.24
20	.....	.....	.....	18.22	17.88	18.35	18.95	19.07	.....	.....	19.39	19.09

Lf-437--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	18.18	17.91	18.39	18.94	19.10	.....	.....	19.13	.....
22	18.16	17.92	18.53	18.96	18.95	.....	.....	19.31	19.27
23	18.13	17.98	18.61	18.96	19.01	.....	.....	19.30	19.41
24	17.95	17.96	18.67	18.97	19.06	.....	.....	.....	19.39
25	18.02	17.98	18.76	18.99	19.08	.....	.....	19.39	19.30
26	18.13	18.04	18.83	18.99	19.09	.....	.....	19.45	19.25
27	18.13	18.07	18.83	18.99	19.09	.....	.....	19.39	19.14
28	18.00	18.00	18.88	18.98	19.08	.....	19.35	19.41	19.16
29	17.94	18.10	18.89	18.99	19.08	h19.20	19.38	19.38	19.20
30	18.04	.....	18.84	18.98	19.09	.....	19.37	19.38	19.30
31	18.99	19.09	.....	19.33	.....	19.37

h Tape measurement.

Lf-478. Charles Bradford. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 9 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 282 feet, screen 210-280. Land-surface datum is 31.91 feet above msl. Highest water level 24.98 below lsd, Apr. 11, 1944; lowest 45.04 below lsd, Aug. 5, 1947. Records available: 1944-53. Apr. 6, 36.19.

Lf-479. City of Lafayette. Sec. 24, T. 9 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 212 feet, screen 122-206. Highest water level 32.41 below lsd, May 10, 1953; lowest 41.66 below lsd, Sept. 14, 1952. Records available: 1951-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.48	37.73	37.12	38.05	35.78	37.04	38.08	37.88	37.35	39.49	38.32	39.55
2	38.14	38.47	37.13	37.44	35.74	37.09	39.01	36.70	38.41	39.15	39.40	38.24
3	38.21	36.51	36.98	38.55	34.75	37.93	38.26	39.38	37.52	39.15	39.57	38.23
4	39.65	37.87	37.26	38.00	36.34	37.36	38.75	38.71	38.39	37.98	38.33	39.13
5	39.39	37.92	37.77	34.93	35.64	38.22	35.46	37.88	38.00	39.40	38.95	38.05
6	38.69	37.80	37.80	38.16	35.56	37.62	39.00	38.77	37.05	39.15	38.48	38.10
7	39.43	38.09	38.08	38.26	35.48	36.53	38.42	38.85	37.30	39.24	38.41	38.30
8	38.10	39.07	37.37	38.07	35.51	37.59	39.30	38.93	37.33	39.10	38.42	37.98
9	38.37	38.11	37.69	38.07	34.42	39.62	38.41	37.63	38.48	39.55	38.44	38.05
10	38.38	38.05	37.12	38.19	32.48	37.87	39.24	h39.61	38.35	39.15	38.59	38.02
11	38.10	38.05	37.15	38.21	32.53	38.58	38.42	38.84	38.51	38.11	37.90	36.02
12	38.40	36.85	37.27	37.01	34.89	37.70	36.60	39.66	38.38	39.21	40.57	37.92
13	38.43	38.02	37.66	39.00	33.51	37.70	37.65	38.76	37.27	39.70	39.52	36.15
14	38.22	37.41	38.06	36.44	34.61	36.65	38.25	39.75	38.40	39.58	39.52	37.50
15	38.44	37.87	36.12	36.27	34.81	37.70	39.12	39.72	37.90	39.62	38.39	37.92
16	38.38	38.03	37.55	36.32	34.99	38.89	38.36	37.96	38.66	40.45	38.43	37.85
17	38.15	38.00	36.96	36.22	34.91	38.12	39.32	39.58	38.73	40.53	38.53	37.86
18	37.85	38.58	35.23	36.14	34.96	38.87	38.47	39.47	38.15	37.78	36.72	37.90
19	38.42	35.98	37.04	36.27	34.85	39.00	37.53	38.76	38.89	40.47	38.32	38.71
20	38.12	39.28	37.93	36.24	36.55	38.96	39.00	39.54	37.57	39.42	39.65	35.73
21	38.15	37.90	37.47	36.25	34.67	37.18	38.25	38.88	37.93	39.47	38.51	36.15
22	38.08	37.65	37.86	36.27	34.61	38.25	39.06	38.80	37.89	39.88	36.56	36.67
23	38.01	38.55	37.33	36.28	34.28	38.46	38.24	37.35	37.99	39.59	38.43	38.01
24	38.11	36.98	38.60	36.73	34.41	38.20	39.18	39.88	38.88	39.38	39.22	38.53
25	38.04	36.93	36.85	36.01	34.23	38.95	38.53	37.60	38.89	38.56	39.33	35.57
26	37.99	37.37	35.67	35.90	34.13	38.42	36.69	38.47	38.79	38.42	38.33	38.26
27	39.28	37.75	36.08	35.88	33.97	38.44	38.48	38.56	37.74	38.48	39.31	36.26
28	37.90	37.21	37.95	36.44	34.01	37.35	37.88	38.57	38.96	39.62	38.63	37.16
29	38.55	.....	37.42	35.79	33.93	38.07	37.97	39.72	h39.09	38.67	37.50	37.28
30	38.20	.....	37.88	35.79	33.18	38.68	38.50	36.86	39.12	39.48	37.30	37.28
31	38.56	.....	38.27	.....	35.00	.....	38.15	38.18	.....	38.49	.....	37.36

h Tape measurement.

LaSalle Parish

La-41. Louisiana Delta Hardwood Lumber Co. NE $\frac{1}{4}$ sec. 8, T. 8 N., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 16 inches, depth 59 feet. Highest water level 24.48 below lsd, Jan. 30, 1950; lowest 36.33 below lsd, June 16, 1952. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3	27.53	June 1	27.05	Aug. 24	27.17	Nov. 16	27.75
Apr. 20	27.46	July 28	27.33	Oct. 15	27.68	Dec. 15	27.62

Lincoln Parish

L-1. Town of Ruston. T. 18 N., R. 3 W. Drilled public-supply artesian well in Sparta sand, diameter 16 to 10 inches, depth 637 feet, screen 544-637. Highest water level 228.37 below lsd, Apr. 4, 1952; lowest 269.95 below lsd, June 18, 1952. Records available: 1951-52. No measurement made in 1953.

L-27. W. D. Deloney. T. 19 N., R. 3 W. Drilled domestic artesian well in Sparta sand, diameter 3 inches, depth 540 feet, screen 530-540. Highest water level 178.68 below lsd, Feb. 7, 1951; lowest 194.52 below lsd, Aug. 27, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	187.96	June 3	189.42	Aug. 27	194.52	Nov. 18	192.97
Apr. 22	187.93	July 30	193.88	Oct. 14	193.11	Dec. 16	192.23

Livingston Parish

Li-10. McCarroll Lumber Co. Frost. Sec. 30, T. 7 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 350 feet. Highest water level 5.5 above lsd, Dec. 29, 1947; lowest 1.0 above lsd, May 24, 1940. Records available: 1940-53. Mar. 9, +1.27; May 11, +1.32; July 20, +1.27; Sept. 14, +1.21; Oct. 19, +1.12.

Li-11. Sharp Civilian Conservation Corps Camp. Springville. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 7 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 650 feet. Highest water level 3.35 above lsd, July 15, 1940; lowest 0.06 below lsd, Oct. 19, 1953. Records available: 1940-53. Mar. 9, +0.34; May 11, +0.36; July 20, +0.35; Sept. 14, +0.34; Oct. 19, -0.06.

Li-15. Hammond Lumber Co. Center sec. 13, T. 7 S., R. 6 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 1 $\frac{1}{2}$ to 2 $\frac{1}{2}$ inches. Highest water level 8.4 above lsd, Apr. 3, 1947; lowest 4.2 above lsd, Nov. 23, 1951. Records available: 1947-53. Mar. 9, +6.65; May 11, +6.73; July 20, +7.35; Sept. 14, +6.42; Oct. 19, +5.77.

Li-52. Coy Kinchen. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 6 S., R. 6 E. Drilled domestic artesian well, diameter 4 inches, depth 1,800 feet. Highest water level 116.2 above lsd, Nov. 30, 1950; lowest 109.2 above lsd, Dec. 18, 1952, Oct. 19, 1953. Records available: 1950-53. Mar. 13, +110.4; May 15, +109.9; July 24, +110.4; Sept. 14, +110.4; Oct. 19, +109.2.

Morehouse Parish

Mo-9. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Drilled unused artesian well in Sparta sand, diameter 26 to 10 inches, depth 890 feet. Highest water level 133.2 below lsd, Jan. 13, 1946; lowest 190.1 below lsd, Apr. 11, 1950. Records available: 1945-50, 1952. Measurement discontinued.

Mo-15. International Paper Co., Southern Kraft Division. Sec. 24, T. 21 N., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 26 to 16 inches, depth 105 feet. Highest water level 74.83 below lsd, Apr. 29, 1953; lowest 78.70 below lsd, Jan. 19, 1949. Records available: 1945-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.06	75.95	75.40	75.67	75.71	75.64	75.81	75.99	76.59	76.36	76.74	e77.1
2	75.84	75.77	75.68	75.72	75.83	75.64	75.77	76.03	76.48	76.30	76.73	e77.1
3	76.00	75.79	75.63	75.66	75.79	75.60	75.87	76.14	76.44	76.32	76.65	e77.1
4	75.77	75.95	76.71	75.79	75.68	75.57	75.95	76.15	76.60	76.31	76.55	e77.1
5	75.90	75.65	76.13	75.44	75.82	75.61	75.92	76.03	76.68	76.27	76.76	e77.1
6	75.79	75.94	75.95	75.29	75.61	75.61	75.84	76.11	76.62	76.44	76.73	e77.1
7	75.89	75.97	75.80	75.66	75.43	75.61	75.85	76.21	76.64	76.56	76.72	e77.1
8	75.72	75.96	75.91	75.65	75.59	75.65	75.96	76.17	76.61	76.44	76.82	e77.1
9	75.97	75.95	75.76	75.60	75.68	75.77	75.95	76.21	76.55	76.40	76.76	e77.1
10	75.98	75.69	75.52	75.79	75.59	75.71	76.01	76.24	76.47	76.40	76.70	e77.1
11	76.26	75.64	75.58	75.50	75.61	75.59	75.89	76.22	76.38	76.47	76.64	e77.1
12	76.08	75.87	75.72	75.71	75.58	75.58	75.85	76.28	76.33	76.54	76.72	e77.1
13	75.82	75.80	75.70	75.97	75.69	75.56	75.90	76.22	76.40	76.62	76.78	e77.1
14	75.84	75.54	75.55	75.72	75.67	75.51	75.91	76.22	76.25	76.62	76.71	e77.1
15	75.97	75.85	75.92	75.54	75.63	75.66	75.97	76.22	76.32	76.56	76.64	e77.1
16	76.14	75.84	75.86	75.83	75.54	75.82	75.97	76.25	76.38	76.53	76.67	77.12
17	75.88	76.12	75.54	75.42	75.63	75.80	75.99	76.30	76.40	76.58	76.71	77.04
18	75.83	75.76	75.40	75.56	75.63	75.71	75.92	76.31	76.42	76.62	76.72	76.91
19	75.70	75.39	75.84	75.93	75.70	75.73	75.89	76.36	76.30	76.65	76.62	76.58
20	75.86	75.55	75.59	75.81	75.68	75.80	75.90	76.35	76.31	76.61	76.82	76.44

Mo-15--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	76.09	76.17	75.52	75.52	75.75	75.85	75.91	76.39	76.62	76.59	76.82	76.55
22	75.87	76.99	75.50	75.49	75.72	75.81	75.98	76.37	76.59	76.61	76.89	77.11
23	75.78	75.72	75.84	75.50	75.77	75.85	76.00	76.39	76.29	76.54	76.73	77.11
24	76.23	75.40	75.86	75.40	75.70	75.77	75.98	76.39	76.26	76.57	76.61	76.77
25	76.09	75.50	75.97	75.59	75.76	75.80	75.97	76.47	76.21	76.59	76.88	76.56
26	75.79	75.62	75.75	75.79	75.74	75.91	75.98	76.48	76.17	76.50	77.00	76.54
27	75.71	75.54	75.60	75.73	75.69	75.82	75.93	76.42	76.26	76.80	76.91	76.39
28	76.11	75.64	75.70	75.41	75.72	75.88	75.82	76.41	76.32	76.68	77.00	76.49
29	76.09		75.60	74.92	75.65	76.00	75.97	76.45	76.37	76.80 ^e	77.1	76.61
30	76.30		75.48	75.45	75.59	75.93	76.07	76.53	76.43	76.70 ^e	77.1	76.84
31	76.17		75.44		75.60		76.06	76.55		76.66		77.19

e Estimated.

Natchitoches Parish

Na-54. S. Rhodes. SW $\frac{1}{4}$ irregular sec. 105, T. 9 N., R. 7 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 4 inches, depth 434 feet, screen 421-430. Highest water level 21.7 above lsd, Sept. 29, 1943; lowest 6.15 above lsd, Dec. 5, 1952. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	+9.25	June 5	+9.73	Aug. 28	+9.85	Nov. 19	+9.10
Apr. 23	+9.23	July 31	+9.15	Oct. 16	+8.90	Dec. 18	+9.35

Na-58. H. J. Taylor. NE $\frac{1}{4}$ sec. 10, T. 8 N., R. 7 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 6 inches, depth 810 feet, screen 490-538. Highest water level 38.5 above lsd, Jan. 4, 1944; lowest 10.80 above lsd, Oct. 26, 1951. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	+19.05	June 5	+11.25	Aug. 28	+19.75	Nov. 19	+20.35
Apr. 23	+16.55	July 31	+16.85	Oct. 16	+18.05	Dec. 18	+22.35

Orleans Parish

Or-11. Gardeners & Shippers Ice Co. 734 Forstall St., New Orleans. Drilled industrial artesian well in sand of Pleistocene age, diameter 6 inches, depth 800 feet. Highest water level 66.37 below lsd, Mar. 4, 1951; lowest 98.20 below lsd, Oct. 22, 1953. Records available: 1950-53. Mar. 11, 83.63; Sept. 17, 97.16; Oct. 22, 98.20.

Or-22. L. M. Pfisterer. Drilled domestic artesian well in sand of Quaternary age, diameter 2 inches, depth 606 feet. Records available: 1953. Sept. 17, 5.24; Oct. 21, 5.40.

Or-41. New Orleans Butchers Cooperative Abattoir Inc. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 900 feet. Highest water level 85.45 below lsd, Dec. 11, 1952; lowest 100.49 below lsd, Sept. 17, 1953. Records available: 1951-53. Oct. 14, 1951, 87.40; Dec. 11, 1952, 85.45; Sept. 17, 1953, 100.49; Oct. 22, 100.03.

Or-42. Department of the Navy. Algiers Repair Base. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 800 feet. Highest water level 71.07 below lsd, Mar. 10, 1950; lowest 103.84 below lsd, Oct. 16, 1953. Records available: 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.33	83.38	86.47	86.73	85.49	86.13	97.05	101.71	.....	101.34	101.86	95.37
2	80.53	83.19	85.97	87.16	85.98	86.46	97.65	101.10	.....	101.04	101.26	95.43
3	80.69	83.87	86.38	87.32	85.64	86.92	98.40	.....	.....	100.76	101.44	95.41
4	80.52	84.86	87.33	87.27	85.99	87.39	98.73	.....	.....	101.24	101.98	96.05
5	79.98	85.74	87.97	87.03	85.22	87.63	98.10	.....	.....	101.95	102.41	96.08
6	80.54	86.40	88.10	86.11	85.42	88.13	97.43	.....	.....	102.06	102.62	96.74
7	81.25	86.72	88.02	86.20	85.54	88.47	97.73	.....	.....	102.51	102.69	.....
8	81.85	86.12	87.48	86.42	85.89	88.30	98.44	.....	.....	102.98	101.80	.....
9	82.42	85.53	86.87	86.65	86.20	88.98	99.02	.....	.....	103.34	101.06	.....
10	82.62	85.82	87.23	86.95	85.73	89.14	99.50	.....	.....	103.53	100.87	.....
11	82.15	86.40	87.72	87.17	84.91	90.40	99.78	.....	.....	103.16	100.98	.....
12	82.00	87.00	88.17	86.67	85.06	91.03	99.38	.....	.....	102.39	101.00	.....
13	82.00	87.47	88.75	86.07	85.30	91.80	98.65	.....	.....	102.52	101.00	.....
14	82.17	87.27	89.07	85.94	85.47	91.69	98.68	.....	.....	102.92	101.28	.....
15	82.67	86.39	88.66	85.90	85.68	91.38	99.34	.....	.....	103.25	100.64	.....

Or-42--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	83.22	85.58	87.68	86.13	85.87	91.91	99.70	.....	.....	103.58	99.71	.....
17	83.33	85.33	88.09	86.26	85.40	92.50	100.06	.....	.....	103.56	99.77	.....
18	82.73	84.60	88.71	86.40	84.50	93.07	100.34	.....	101.71	103.00	100.35	.....
19	82.28	84.87	89.38	86.05	84.61	93.74	99.97	.....	101.99	102.17	100.79	.....
20	82.97	85.49	89.82	85.18	84.99	94.37	99.04	.....	101.99	102.37	100.95	.....
21	83.53	86.28	89.94	85.16	85.41	94.40	99.29	.....	101.99	102.83	101.04	.....
22	83.78	85.87	89.14	85.27	85.63	94.12	99.75	.....	102.00	103.21	100.20	.....
23	83.95	85.33	88.14	85.45	85.94	94.67	100.13	.....	102.00	103.27	99.50	.....
24	83.92	85.63	88.44	85.70	85.53	95.13	100.54	.....	102.18	103.27	99.28	.....
25	83.12	86.17	89.08	85.68	84.88	95.68	100.85	.....	102.62	102.79	99.68	.....
26	82.40	86.61	89.41	85.41	85.38	96.75	100.57	.....	102.78	101.98	99.91	.....
27	82.45	87.00	89.69	84.68	85.67	96.42	99.71	.....	102.51	102.29	99.14	.....
28	82.97	87.00	89.16	84.92	86.10	96.05	100.22	.....	101.99	102.64	98.56	.....
29	83.53		88.02	85.12	86.55	95.69	100.82	.....	101.99	102.77	98.76	.....
30	84.03		86.81	85.23	86.87	96.30	101.32	.....	101.63	102.91	95.66	.....
31	83.97		86.60		86.70		101.53	.....		102.67		.....

e Estimated.

Ouchita Parish

Ou-23. Southern Carbon Co. Sec. 37, T. 19 N., R. 4 E. Drilled industrial artesian well in Sparta sand, diameter 6 inches, depth 726 feet, screen 704-726. Highest water level 77.94 below lsd, Feb. 13, 1946; lowest 101.49 below lsd, Nov. 17, 1953. Records available: 1946, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	98.03	June 2	98.09	Aug. 25	100.27	Nov. 17	101.49
Apr. 21	98.45	July 29	99.72	Oct. 13	101.18	Dec. 16	101.36

Ou-26. Fred Fudickar. S $\frac{1}{2}$ sec. 81, T. 18 N., R. 4 E. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 625 feet, screen 605-625. Highest water level 68.05 below lsd, Jan. 17, 1946; lowest 95.29 below lsd, Nov. 18, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	88.59	June 2	88.68	Aug. 25	92.99	Nov. 18	95.29
Apr. 21	88.92	July 28	91.94	Oct. 14	95.15	Dec. 15	92.61

Ou-73. Tennessee Gas & Transmission Co., well 1. Drilled industrial artesian well in Sparta sand, diameter 6 inches, depth 400 feet. Highest water level 154.38 below lsd, Feb. 19, 1946; lowest 189.30 below lsd, Feb. 28, 1951. Records available: 1946-51. No measurement made in 1953.

Ou-77. Brown Paper Co. Sec. 3, T. 17 N., R. 3 E. Drilled unused artesian well in Sparta sand, diameter 26 to 16 inches, depth 851 feet. Highest water level 168.82 below lsd, July 7, 1952; lowest 233.32 below lsd, Mar. 25, 1953. Records available: 1946-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	224.63	217.73	224.58	225.98	227.12	220.48	230.80	231.65	.....	.....	229.23	229.87
2	225.10	206.84	224.50	225.95	225.45	222.27	.....	231.73	.....	.....	228.74	229.87
3	226.35	226.80	225.75	225.82	225.34	223.99	231.78	230.46	.....	.....	230.60	229.45
4	224.57	221.49	225.49	225.88	225.45	225.86	.....	230.99	.....	.....	228.85	228.73
5	226.15	220.98	225.95	225.72	223.17	226.42	.....	231.61	.....	.....	225.27	228.34
6	226.35	219.31	226.00	225.64	224.00	225.34	.....	230.17	.....	.....	225.29	228.95
7	225.80	224.09	225.15	225.50	225.37	225.45	.....	230.70	.....	.....	225.25	229.68
8	226.00	224.26	226.50	228.46	225.47	225.17	.....	231.78	.....	.....	225.19	229.86
9	226.05	224.28	226.85	228.80	226.05	225.95	.....	231.80	.....	.....	225.20	229.28
10	226.30	224.27	226.55	229.40	224.97	227.69	.....	231.82	.....	.....	223.50	229.67
11	225.24	220.00	226.93	228.84	224.77	228.10	.....	230.38	.....	.....	228.28	229.86
12	226.30	220.45	228.26	230.19	224.64	227.66	.....	230.33	.....	.....	228.28	229.86
13	226.17	220.63	229.44	231.78	221.15	228.56	.....	230.14	.....	.....	228.85	229.01
14	228.28	224.70	229.46	232.61	219.93	228.71	.....	229.12	.....	225.91	228.55	229.82
15	227.50	224.33	228.48	230.99	220.12	229.05	.....	229.86	.....	225.83	225.29	230.74
16	227.20	224.93	227.12	231.13	220.08	229.44	.....	229.05	.....	225.27	228.40	230.03
17	226.45	225.35	227.70	231.33	225.48	229.58	.....	228.79	.....	225.64	228.07	228.84
18	226.00	225.85	229.09	230.35	223.67	229.85	.....	228.80	.....	225.59	229.39	229.68
19	225.85	224.82	228.85	230.98	219.50	229.55	.....	229.66	.....	225.84	228.33	229.28
20	226.75	224.52	228.30	230.94	217.28	229.72	.....	228.77	.....	229.83	229.86	229.39

Ou-77--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	226.02	224.75	228.57	226.83	200.50	228.89	.....	228.58	.....	229.58	229.23	230.16
22	221.83	226.67	229.30	225.65	211.35	230.48	.....	228.15	.....	225.86	228.15	230.30
23	223.98	226.15	227.60	225.47	210.40	229.50	.....	228.12	.....	225.62	229.00	230.58
24	224.98	225.14	228.70	226.31	218.77	229.25	.....	228.02	.....	225.53	228.53	202.34
25	225.18	224.75	229.68	226.60	219.98	229.38	.....	227.95	.....	225.33	228.25	193.98
26	224.85	224.65	228.57	227.80	220.53	230.95	.....	227.80	.....	225.17	228.95	186.43
27	224.78	219.90	228.46	227.80	220.92	.....	.....	228.45	.....	225.27	229.05	185.38
28	225.02	225.50	226.17	228.18	221.25	.....	.....	228.43	.....	225.32	229.95	209.60
29	225.70	.....	228.21	226.37	222.40	230.64	.....	227.89	.....	228.95	229.87	217.78
30	225.10	.....	223.80	225.58	223.00	231.11	230.95	227.78	.....	225.44	229.87	204.77
31	214.40	.....	226.06	.....	222.22	.....	231.58	227.64	.....	228.23	.....	201.68

h Tape measurement.

Ou-87. Louisville Cooperage. Jackson St., Monroe. Drilled industrial artesian well in Sparta sand, diameter 4 inches, depth 510 feet, screen 470-510. Highest water level 101.00 below lsd, Dec. 22, 1948; lowest 142.62 below lsd, Oct. 12, Dec. 15, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	137.81	June 2	136.41	Aug. 26	141.71	Nov. 18	142.40
Apr. 20	139.13	July 28	141.58	Oct. 12	142.62	Dec. 15	142.62

Ou-88. Fred Peters. Irregular sec. 52, T. 17 N., R. 3 E. Drilled unused artesian well in Sparta sand, diameter 6 to 4 inches, depth 401 feet. Highest water level 47.43 below lsd, Mar. 29, 1948; lowest 66.87 below lsd, Nov. 16, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	62.37	June 2	60.52	Sept. 26	66.58	Nov. 16	66.87
Apr. 20	63.52	July 28	66.64	Oct. 12	66.38	Dec. 15	66.87

Ou-94. Angels Tourist Court. S $\frac{1}{2}$ irregular sec. 38, T. 18 N., R. 4 E. Drilled unused artesian well in Sparta sand, diameter 4 inches, depth 890 feet. Highest water level 74.42 below lsd, Apr. 11, 1946; lowest 102.59 below lsd, Nov. 18, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	97.83	June 2	97.65	Aug. 24	101.45	Nov. 18	102.59
Apr. 21	98.19	July 28	100.65	Oct. 14	102.38	Dec. 15	102.52

Ou-96. Department of the Air Force. Selman Field No. 2, Monroe. Drilled public-supply artesian well in Sparta sand, diameter 12 inches, depth 364 feet, screen 280-364. Highest water level 65.04 below lsd, Mar. 5, 1946; lowest 107.34 below lsd, June 26, 1951. Records available: 1946, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	93.19	June 2	91.66	Aug. 24	96.84	Nov. 18	99.19
Apr. 21	92.51	July 28	95.06	Oct. 14	100.11	Dec. 15	95.77

Ou-100. City of Monroe. NE $\frac{1}{4}$ sec. 67, T. 18 N., R. 4 E. Drilled unused artesian well in Sparta sand, diameter 3 inches, depth 695 feet, screen 675-695. Highest water level 89.4 below lsd, June 8, 1946; lowest 118.87 below lsd, Nov. 10-14, 28, 1953. Records available: 1946-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	114.61	114.69	114.18	114.39	114.67	112.60	115.34	117.16	117.78	118.05	118.67	118.35
2	114.60	114.68	114.13	114.42	114.69	112.60	115.41	117.17	117.78	118.06	118.75	118.30
3	114.60	114.65	114.13	114.42	114.70	112.57	115.51	117.22	117.77	118.12	118.75	118.35
4	114.60	114.65	114.29	114.49	114.65	112.60	115.63	117.28	117.76	118.14	118.73	118.32
5	114.60	114.65	114.31	114.49	114.63	112.65	115.70	117.29	117.82	118.13	118.73	118.30
6	114.60	114.58	114.33	114.39	114.55	112.73	115.78	117.30	117.83	118.18	118.75	118.35
7	114.60	114.58	114.35	114.39	114.43	112.79	115.82	117.35	117.85	118.30	118.76	118.72
8	114.58	114.58	114.41	114.40	114.42	112.89	115.85	117.37	117.87	118.31	118.80	118.35
9	114.55	114.59	114.42	114.42	114.38	113.02	115.85	117.39	117.87	118.32	118.86	118.56
10	114.55	114.59	114.42	114.52	114.30	113.14	115.92	117.45	117.87	118.32	118.87	118.33
11	114.64	114.53	114.35	114.52	114.25	113.19	115.97	117.47	117.87	118.33	118.87	118.38
12	114.70	114.50	114.32	114.5	114.20	113.27	115.96	117.52	117.85	118.37	118.87	118.37
13	114.75	114.50	114.32	114.5	114.12	113.35	115.96	117.52	117.81	118.40	118.87	118.36
14	114.75	114.45	114.29	114.5	114.12	113.40	115.96	117.55	117.79	118.47	118.87	118.32
15	114.75	114.41	114.34	114.5	114.04	113.51	115.96	117.58	117.75	118.48	118.86	118.38
16	114.84	114.41	114.37	114.8	113.90	113.65	115.96	117.59	117.75	118.48	118.84	118.75
17	114.84	114.53	114.37	114.8	113.70	113.78	116.39	117.60	117.75	118.48	118.84	118.30
18	114.84	114.53	114.28	114.8	113.49	113.86	116.41	117.60	117.75	118.55	118.82	118.33
19	114.83	114.47	114.30	114.8	113.35	113.98	116.49	117.61	117.75	118.57	118.78	118.39
20	114.78	114.20	114.30	114.8	113.23	114.12	116.55	117.62	117.75	118.60	118.74	118.34

Ou-100--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	114.82	114.34	114.27	114.88	113.16	114.25	116.60	117.63	117.82	118.58	118.78	118.56
22	114.82	114.39	114.27	114.88	113.08	114.35	116.68	117.65	117.91	118.61	118.70	118.65
23	114.66	114.39	114.23	114.88	113.01	114.49	116.80	117.65	117.91	118.60	118.72	118.77
24	114.73	114.23	114.27	114.82	112.92	114.59	116.87	117.66	117.90	118.58	118.67	118.80
25	114.79	114.23	114.37	114.74	112.85	114.67	116.94	117.66	117.86	118.58	118.68	118.77
26	114.79	114.23	114.39	114.85	112.81	114.83	116.96	117.67	117.87	118.50	118.79	118.67
27	114.79	114.23	114.40	114.91	112.72	114.92	116.97	117.77	117.85	118.55	118.78	118.55
28	114.77	114.20	114.40	114.88	112.68	115.03	116.97	117.77	117.89	118.57	118.86	118.40
29	114.78		114.40	114.64	112.67	115.15	117.09	117.75	117.93	118.66	118.86	118.40
30	114.77		114.40	114.64	112.62	115.30	117.14	117.75	118.01	118.67	118.86	118.00
31	114.69		114.39		112.60		117.16	117.75		118.68		118.00

e Estimated.

Ou-102. City of Monroe. NW. cor. sec. 6, T. 18 N., R. 4 E. Drilled observation well in Sparta sand, diameter 3 inches, depth 750 feet, screen 730-750. Highest water level 78.90 below lsd, July 30, 1946; lowest 105.12 below lsd, Nov. 17, 1953. Records available: 1946-53. Apr. 21, 101.45; June 2, 98.75; July 29, 103.48; Aug. 25, 103.99; Oct. 13, 104.65; Nov. 17, 105.12.

Ou-120. S. H. Thatcher. 501 Speed Drive, Monroe. SE. cor. sec. 39, T. 19 N., R. 3 E. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 650 feet. Highest water level 72.29 below lsd, June 29, 1949; lowest 101.92 below lsd, Nov. 17, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	98.52	June 2	97.83	Aug. 25	100.54	Nov. 17	101.92
Apr. 21	99.14	July 29	99.98	Oct. 13	101.31	Dec. 16	101.72

Ou-133. Southern Carbon Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 19 N., R. 4 E. Drilled industrial artesian well in sand of Recent age, diameter 8 inches, depth 90 feet. Highest water level 7.49 below lsd, Apr. 3, 1951; lowest 13.20 below lsd, Oct. 26, 1948. Records available: 1947-52. Measurement discontinued.

Ou-141. Southern Carbon Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 19 N., R. 4 E. Drilled unused artesian well in Sparta sand, diameter 6 inches, depth 610 feet. Highest water level 46.10 below lsd, Oct. 4, 1949; lowest 54.00 below lsd, Apr. 3, 1952. Records available: 1948-52. Measurement discontinued.

Rapides Parish

R-21. City of Alexandria. Fourth and St. James Sts. Drilled unused artesian well in sand of Catahoula formation, diameter 6 inches, depth 606 feet. Land-surface datum is 75.75 feet above msl. Highest water level 65.55 below lsd, Feb. 2, 1940; lowest 168.81 below lsd, Aug. 24, 1943. Records available: 1938-53.

Mar. 6	79.15	June 5	116.85	Aug. 24	123.32	Nov. 16	90.70
Apr. 20	115.80	July 28	124.43	Oct. 12	121.47	Dec. 15	84.44

R-26. Missouri Pacific Railroad. North 13th St., Alexandria. T. 4 N., R. 1 W. Drilled unused artesian well in sand of Catahoula formation, diameter 10 inches, depth 1,100 feet. Highest water level 88.80 below lsd, Mar. 10, 1939; lowest 165.94 below lsd, Sept. 21, 1944. Records available: 1938-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	118.20	115.35	113.41	104.99	.....	116.50	128.02	.....	.....	.....	.....	.....
2	118.02	115.28	113.18	105.16	.....	117.50	128.12	.....	.....	.....	.....	.....
3	117.93	115.21	106.80	105.17	.....	118.44	128.23	.....	.....	.....	.....	.....
4	117.77	115.15	106.98	105.20	.....	119.28	128.32	.....	.....	.....	.....	.....
5	117.63	115.05	107.03	105.19	.....	119.86	128.33	.....	.....	.....	.....	.....
6	117.52	114.93	106.98	105.18	.....	120.37	128.40	.....	.....	.....	.....	.....
7	117.48	114.85	106.94	105.32	105.20	120.84	128.46	.....	.....	.....	.....	.....
8	.....	114.75	106.87	104.93	105.49	121.28	128.61	.....	.....	.....	.....	.....
9	.....	114.61	106.43	105.08	105.54	121.74	128.73	.....	.....	.....	.....	.....
10	.....	114.48	106.33	105.18	105.66	122.22	128.86	.....	.....	.....	.....	.....
11	.....	114.31	106.00	105.20	105.68	122.54	128.96	.....	.....	.....	.....	.....
12	117.00	114.25	105.79	105.29	105.68	123.05	129.02	.....	.....	.....	.....	.....
13	116.98	114.24	105.60	105.33	105.61	123.36	129.06	.....	.....	.....	.....	.....
14	116.94	114.20	105.46	105.35	105.65	123.62	129.05	.....	.....	.....	.....	.....
15	116.94	114.18	105.37	105.38	105.38	123.84	129.03	.....	.....	.....	.....	.....

R-26--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	116.92	114.10	105.31	105.38	105.28	124.12	129.01	.....	.....	.....	.....	.....
17	116.86	114.14	105.30	105.28	105.12	124.50	129.00	.....	.....	.....	.....	.....
18	.....	114.10	105.30	105.23	104.61	124.80	129.00	.....	.....	.....	.....	.....
19	.....	114.01	105.40	105.31	104.62	125.19	129.08	.....	.....	.....	.....	.....
20	.....	113.88	105.41	105.29	104.71	125.40	129.05	.....	.....	.....	.....	.....
21	.....	113.93	105.43	105.31	104.70	125.80	129.03	.....	h12.15	.....	.....	.....
22	.....	113.95	105.40	105.36	104.65	126.43	129.11	.....	.....	h13.12	.....	h106.29
23	.....	113.87	105.39	105.41	104.63	126.65	129.07	.....	.....	.....	.....	106.32
24	.....	113.70	105.35	105.39	104.65	.....	129.16	h130.23	.....	.....	.....	106.32
25	.....	113.69	.....	105.37	104.63	.....	129.19	h127.20	.....	.....	h108.76	106.30
26	115.64	113.73	.....	105.37	104.73	127.33	129.17	.....	.....	h12.23	108.97	106.24
27	115.54	113.71	.....	105.35	104.99	127.56	129.15	.....	.....	112.10	108.70	106.16
28	115.54	113.53	.....	.....	108.44	127.67	129.11	.....	.....	111.92	108.62	106.06
29	115.51	.....	.....	.....	111.55	127.77	.....	.....	.....	111.81	108.44	106.00
30	115.42	.....	.....	.....	113.60	127.90	.....	.....	.....	.....	.....	106.00
31	115.35	.....	.....	.....	115.30	.....	.....	.....	.....	.....	.....	106.00

h Tape measurement.

R-35. Pine Products Co. Alexandria. Drilled industrial artesian well in sand of Catahoula formation, diameter 6 inches, depth 1,187 feet, screen 1,147-1,187. Land-surface datum is 77.51 feet above msl. Highest water level 91.20 below lsd, Mar. 10, 1939; lowest 163.29 below lsd, Sept. 8, 1944. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	108.61	June 5	107.24	Aug. 24	114.79	Nov. 16	107.47
Apr. 20	106.89	July 28	111.23	Oct. 12	110.69	Dec. 15	107.08

R-132. Boyce Ice Co. Boyce. Sec. 1, T. 5 N., R. 3 W. Drilled artesian well in sand of Catahoula formation, diameter 8 inches, depth 302 feet. Highest water level 19.48 below lsd, Mar. 2, 1950; lowest 48.31 below lsd, Aug. 31, 1951. Records available: 1950-53. Mar. 6, 33.91; Apr. 23, 39.54; June 5, 36.24; July 31, 43.12; Aug. 28, 46.87; Dec. 18, 46.27.

R-135. Arbuthnot Sawmill. Zimmerman. Drilled domestic artesian well in sand of Catahoula formation, diameter 4 to 2 inches, depth 450 feet. Highest water level 5.52 below lsd, Feb. 26, 1948; lowest 40.13 below lsd, Oct. 26, 1951. Records available: 1938-44, 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	34.79	June 5	29.77	Aug. 28	34.09	Nov. 19	35.38
Apr. 23	34.11	July 31	31.90	Oct. 16	35.41	Dec. 18	34.39

R-453. City of Alexandria. Turegaeno and Overton Sts. Drilled public-supply artesian well in sand of Recent age, diameter 6 inches, depth 114 feet. Highest water level 1.56 above lsd, Feb. 24, 1950; lowest 17.66 below lsd, June 16, 1952. Records available: 1949-53. Mar. 6, 8.53; Apr. 20, 7.35; July 5, 9.38; Aug. 24, 10.76; Oct. 12, 13.25; Nov. 16, 12.89; Dec. 15, 11.13.

R-567. A. J. Ashmore. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 1 S., R. 3 W. Drilled water-table well in sand of Pleistocene age, diameter 8 inches, depth 25 feet. Highest water level 1.06 below lsd, May 18, 1953; lowest 11.86 below lsd, Nov. 30, 1953. Records available: 1953. Recording gage installed Apr. 8, 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.29	8.36	.....	10.07	10.77	11.53	.....
2	4.60	8.41	.....	10.11	10.80	11.55	.....
3	4.93	8.47	9.34	10.13	10.82	11.56	.....
4	h1.49	5.23	8.54	9.36	10.14	10.84	11.57	.....
5	1.72	5.52	8.61	9.38	10.16	10.87	11.59	.....
6	1.97	5.78	8.66	9.41	10.17	10.92	11.60	.....
7	2.16	6.02	8.71	9.46	10.19	10.96	11.61	h11.67
8	h6.33	2.39	6.25	8.77	9.50	10.20	10.98	11.63	11.62
9	2.58	6.46	8.83	9.51	10.22	11.00	11.64	11.57
10	2.76	6.65	8.93	9.54	.....	11.03	11.64	11.48
11	2.93	6.80	8.98	9.58	.....	11.05	11.65	11.40
12	3.20	6.88	9.03	9.60	.....	11.08	11.66	11.34
13	6.86	2.02	6.96	9.08	9.63	.....	11.11	11.67
14	6.89	2.00	7.03	9.10	9.66	10.34	11.14	11.69
15	6.92	1.60	7.12	9.15	9.68	10.36	11.17	11.70

R-567--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	7.10	1.45	7.22	9.22	9.71	10.38	11.19	11.74	11.12
17	7.20	1.70	7.31	9.26	9.74	10.40	11.21	11.75	11.08
18	h4.42	7.34	1.06	7.39	9.31	9.76	10.43	11.24	11.76	11.04
19	7.47	9.35	9.79	10.45	11.26	11.77	10.99
20	7.55	.....	7.56	9.39	9.82	10.47	.....	11.78	10.94
21	7.66	9.43	9.86	10.50	.....	11.79	10.89
22	h7.74	9.49	9.89	10.54	.....	11.80	10.87
23	9.47	9.91	10.56	.....	11.81	10.84
24	9.46	9.94	10.58	.....	11.81	10.80
25	2.27	.....	9.42	9.95	10.61	.....	11.82	10.77
26	2.56	.....	9.40	9.97	10.63	h11.40	11.83	10.73
27	h7.38	2.81	.....	9.35	9.98	10.66	11.44	11.84	10.70
28	3.08	.....	9.31	9.99	10.68	11.46	11.85	10.75
29	3.32	8.24	.....	10.00	10.71	11.48	11.85	10.62
30	3.65	8.30	.....	10.02	10.74	11.50	11.86	10.56
31	3.97	.....	.....	10.04	.....	11.51	.....	10.49

h Tape measurement.

St. Charles Parish

SC-6. Shell Oil Co. Near Louisiana & Arkansas Railway tracks. N $\frac{1}{2}$ sec. 6, T. 12 S., R. 8 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 404 feet. Highest water level 36.52 below lsd, July 21, 1943; lowest 79.10 below lsd, Nov. 5, 12 1950. Records available: 1943-53.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	69.10	68.50	e70.4	62.84	.....	73.74	69.50
2	70.39	68.03	70.46	62.20	.....	72.06	69.76
3	71.00	68.68	70.52	66.59	.....	68.38	79.96
4	71.55	70.02	70.40	66.46	.....	68.64	72.32
5	71.51	70.28	70.46	66.69	.....	67.67	72.64
6	68.09	68.80	70.44	68.94	70.07	67.47	73.00
7	71.20	68.72	70.60	68.75	69.87	67.60	72.69
8	71.40	68.59	72.04	69.13	70.30	71.66	72.76
9	71.52	68.29	70.29	69.41	70.54	69.91	73.34
10	71.70	68.22	70.24	69.52	70.29	69.78	73.42
11	71.76	68.19	69.63	69.47	70.18	72.26	73.61
12	71.75	68.15	68.72	69.28	69.89	70.63	73.60
13	72.00	68.00	71.18	69.29	67.57	72.32	73.83
14	72.25	68.16	70.39	69.20	67.16	70.42	73.31
15	71.42	67.77	70.14	68.24	65.94	70.19	73.10
16	71.46	70.26	70.18	69.23	66.50	70.34	72.02
17	71.38	68.11	70.55	69.30	66.72	70.05	71.47
18	71.31	68.09	70.30	69.44	68.93	70.42	73.45
19	71.42	68.03	67.98	69.60	71.18	70.52	73.72
20	e72.0	69.73	70.38	69.41	69.41	70.69	73.92
21	71.45	70.08	70.43	69.52	69.56	70.65	71.93
22	69.90	68.31	70.36	69.64	69.85	68.13	73.04
23	68.43	68.15	70.02	69.51	69.83	65.18	.....
24	68.48	68.19	70.25	69.34	69.89	59.85	.....
25	68.57	69.62	70.14	69.02	69.96	66.13	.....
26	68.62	70.05	70.14	69.22	71.09	68.54	.....
27	68.67	69.60	70.14	69.19	71.36	69.56	.....
28	68.64	70.34	69.97	66.91	73.06	69.64	.....
29	68.49	.....	69.82	68.60	73.94	e70.0	.....
30	68.38	.....	70.06	.....	73.70	69.72	.....
31	68.45	.....	65.88	.....	73.78	.....	.....

* No record for August, September, October, November, and December.

e Estimated.

SC-9. Shell Oil Co. N $\frac{1}{2}$ sec. 6, T. 12 S., R. 8 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 to 10 inches, depth 777 feet. Highest water level 12.40 below lsd, Jan. 19, 1950; lowest 39.98 below lsd, Dec. 15, 1952. Records available: 1950-53.

SC-9--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.18	37.02	37.13	h47.11	.....	.....	h37.73	38.24	38.51	38.82	39.35	.....
2	37.03	36.91	37.00	.....	.....	.....	.....	38.31	38.49	38.76	39.36	h36.22
3	37.13	e36.91	37.09	.....	.....	h37.42	.....	38.34	38.63	38.82	39.33	.....
4	37.17	h36.92	36.97	.....	.....	.....	.....	38.35	38.64	38.84	39.31	.....
5	37.22	36.84	36.99	.....	.....	.....	.....	38.35	38.64	38.82	.....	.....
6	37.17	36.95	36.98	.....	h37.23	.....	.....	38.43	38.64	38.89	.....	.....
7	37.22	37.12	37.06	.....	.....	.....	.....	38.35	.....	38.86	.....	.....
8	37.24	37.23	37.08	h37.08	.....	.....	h37.00	38.44	.....	38.88	.....	.....
9	37.23	37.23	37.00	.....	.....	.....	.....	.....	38.79	38.97	.....	h37.92
10	37.33	37.23	36.97	.....	.....	h37.54	.....	.....	38.71	39.05	.....	.....
11	37.42	37.18	37.00	.....	.....	.....	.....	.....	38.68	39.09	h38.94	.....
12	37.42	37.14	.....	.....	.....	.....	.....	38.58	38.79	39.14	38.97	.....
13	37.34	37.20	.....	.....	h37.27	.....	.....	38.58	38.84	39.06	38.99	.....
14	37.26	37.21	.....	.....	.....	.....	.....	38.51	38.84	39.18	.....	.....
15	.....	36.99	.....	h37.27	.....	.....	h36.35	38.55	38.81	39.22	.....	.....
16	.....	37.07	.....	.....	.....	.....	.....	38.54	38.89	39.28	.....	h36.04
17	.....	37.16	.....	.....	.....	h37.90	.....	e38.57	38.80	39.32	.....	.....
18	.....	37.32	h36.90	.....	.....	.....	.....	38.60	38.89	39.38	h38.90	.....
19	.....	37.24	.....	.....	.....	.....	.....	38.61	38.89	39.33	.....	.....
20	.....	37.18	.....	.....	h37.15	.....	.....	38.70	38.86	39.34	.....	.....
21	36.81	37.18	.....	.....	.....	.....	.....	38.53	38.89	h39.24	.....	.....
22	36.86	37.15	.....	h37.54	.....	.....	37.89	38.31	38.98	39.28	.....	.....
23	36.77	37.20	.....	.....	.....	.....	38.01	38.46	38.97	39.30	.....	h35.96
24	36.78	37.17	.....	.....	.....	h38.23	38.05	e38.47	38.96	39.27	.....	.....
25	36.90	37.11	36.95	.....	.....	.....	38.09	e38.49	38.88	39.28	.....	.....
26	37.03	37.03	37.00	.....	.....	.....	38.10	h38.50	38.74	39.31	.....	.....
27	37.09	37.01	36.98	.....	h37.40	.....	38.08	38.43	38.66	39.24	.....	.....
28	37.06	37.08	37.00	.....	.....	.....	38.15	38.45	38.78	39.24	.....	.....
29	37.03	.....	37.01	h37.29	.....	.....	38.13	38.45	38.76	39.32	.....	.....
30	37.01	.....	37.07	.....	.....	.....	38.38	38.48	38.76	39.33	.....	.....
31	36.96	.....	37.13	.....	.....	.....	38.35	38.40	.....	39.32	.....	.....

e Estimated.

h Tape measurement.

St. Landry Parish

SL-10. Cankton Gin Co. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 8 S., R. 3 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 to 2 inches, depth 210 feet, screen 190-210. Land-surface datum is 45.94 feet above msl. Highest water level 36.24 below lsd, Jan. 7, 1948; lowest 47.57 below lsd, Aug. 6, 1947. Records available: 1944-53. Apr. 9, 45.68; Sept. 29, 46.63.

SL-26. George Parker. Irregular sec. 71, T. 4 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 217 feet. Land-surface datum is 58.09 feet above msl. Highest water level 38.77 below lsd, Apr. 5, 1944; lowest 47.48 below lsd, Oct. 1, 1953. Records available: 1944-53. Apr. 6, 46.60; Oct. 1, 47.48.

SL-40. Dalfrey Bros. Cotton Gin. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 53, T. 7 S., R. 5 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 inches, depth 165 feet. Land-surface datum is 29.05 feet above msl. Highest water level 11.53 below lsd, July 9, 1946; lowest 20.04 below lsd, Sept. 29, 1952. Records available: 1944-53. Apr. 6, 17.46; Sept. 28, 19.09.

SL-43. E. C. Simmons. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 6 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 211 feet, screen 121-204. Land-surface datum is 60.71 feet above msl. Highest water level 52.20 below lsd, Apr. 20, 1944; lowest 75.31 below lsd, Sept. 29, 1953. Records available: 1944-53. Apr. 9, 69.99; Sept. 29, 75.31.

SL-48. Sadie Fuselier. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 6 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 279 feet, screen 218-279. Land-surface datum is 51.24 feet above msl. Highest water level 43.09 below lsd, Apr. 20, 1944; lowest 105.49 below lsd, July 14, 1953. Records available: 1944-53. Apr. 6, 66.31; May 5, 71.85; June 8, 92.34; July 14, 105.49; Oct. 1, 83.98; Dec. 21, 75.00.

SL-50. J. Morrison. SW $\frac{1}{4}$ sec. 49, T. 6 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 300 feet. Land-surface datum is 54.97 feet above msl. Highest water level 53.99 below lsd, Mar. 12, 1947; lowest 83.76 below lsd, Oct. 9, 1947. Records available: 1947-53. Apr. 9, 70.49. Measurement discontinued.

SL-74. Albert Huckaby. Irregular sec. 84, T. 6 S., R. 4 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 180 feet, screen 165-180. Land-surface datum is 46.19 feet above msl. Highest water level 33.13 below lsd, June 26, 1950; lowest 38.41 below lsd, Sept. 28, 1953. Records available: 1949-53. Apr. 6, 38.10; Sept. 28, 38.41.

SL-82. Jimmy M. Miller. Irregular sec. 58, T. 5 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 22 to 10 inches, depth 282 feet, screen 232-282. Land-surface datum is 74.93 feet above msl. Highest water level 65.04 below lsd, Apr. 29, 1949; lowest 70.13 below lsd, Oct. 1, 1953. Records available: 1949-53. Apr. 6, 68.92; Oct. 1, 70.13.

SL-94. First National Bank of Crowley. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 6 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 300 feet. Land-surface datum is 64.92 feet above msl. Highest water level 58.71 below lsd, Mar. 22, 1950; lowest 64.65 below lsd, Sept. 29, 1953. Records available: 1950-53. Apr. 9, 62.81; Sept. 29, 64.65.

SL-104. Joe A. Fontenot. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 3 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 230 feet, screen 150-230. Highest water level 4.58 below lsd, Mar. 5, 1951; lowest 14.02 below lsd, Sept. 18, 1951. Records available: 1950-52. No measurement made in 1953.

SL-126. L. Darby. W $\frac{1}{2}$ irregular sec. 62, T. 7 S., R. 5 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 4 inches, depth 160 feet. Land-surface datum is 27.32 feet above msl. Highest water level 12.95 below lsd, Mar. 6, 1951; lowest 19.47 below lsd, Sept. 29, 1952. Records available: 1950-53. Apr. 6, 16.06; Sept. 28, 18.46.

SL-127. Pan-Am Production Co. Sec. 4, T. 6 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 160 feet. Land-surface datum is 18.34 feet above msl. Highest water level 1.86 below lsd, Apr. 28, 1952; lowest 8.71 below lsd, Sept. 29, 1952. Records available: 1950-53. Apr. 6, 3.42; Sept. 29, 7.48.

St. Martin Parish

SMn-20. Smedes Bros. Sugar Mill. Cade Station. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 11 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 10 inches, depth 285 feet. Land-surface datum is 30.57 feet above msl. Highest water level 16.57 below lsd, July 9, 1946; lowest 26.60 below lsd, Dec. 9, 1948. Records available: 1944-53. Apr. 9, 23.75; Sept. 29, 25.64.

SMn-51. People's Cotton Oil Co. Sec. 35, T. 8 S., R. 6 E. Drilled industrial artesian well in sand of Pleistocene age, diameter 2 inches, depth 125 feet, screen 90-122. Land-surface datum is 19.57 feet above msl. Highest water level 0.99 below lsd, Mar. 20, 1950; lowest 9.88 below lsd, Nov. 3, 1947. Records available: 1944-53. Apr. 6, 4.20; Sept. 28, 7.48.

SMn-62. Ernest Fuselier. T. 8 S., R. 6 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 85 feet, screen 70-85. Land-surface datum is 27.35 feet above msl. Highest water level 9.98 below lsd, July 9, 1946; lowest 18.69 below lsd, Sept. 29, 1952. Records available: 1944-53. Apr. 6, 14.89; Sept. 28, 17.70.

SMn-63. L. Charles Willis. Irregular sec. 47, T. 8 S., R. 6 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet, screen 180-200. Land-surface datum is 17.43 feet above msl. Highest water level 0.04 above lsd, Mar. 20, 1950; lowest 17.43 below lsd, Sept. 8, 1947. Records available: 1944-53. Apr. 6, 4.15; Sept. 28, 8.88.

SMn-68. A. R. Fuselier. Irregular sec. 7, T. 11 S., R. 7 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches, depth 200 feet, screen 170-200. Land-surface datum is 15.37 feet above msl. Highest water level 2.51 below lsd, Aug. 6, 1946; lowest 8.72 below lsd, Sept. 28, 1953. Records available: 1944-53. Apr. 9, 6.32; Sept. 28, 8.72.

SMn-86. Continental Oil Co. Irregular sec. 82, T. 10 S., R. 6 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 300 feet. Land-surface datum is 13.70 feet above msl. Highest water level 0.59 below lsd, Mar. 11, 1947; lowest 7.53 below lsd, Oct. 2, 1952. Records available: 1947-53. Apr. 9, 4.34; Sept. 29, 6.87.

SMn-88. Hunter Oil Co. Irregular sec. 72, T. 9 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 200 feet. Land-surface datum is 17.75 feet above msl. Highest water level 5.35 below lsd, Mar. 20, 1950; lowest 13.03 below lsd, Sept. 29, 1952. Records available: 1949-53. Apr. 6, 9.37; Sept. 29, 11.66.

St. Tammany Parish

ST-2. Mayer Israel. Covington. NE $\frac{1}{4}$ sec. 7, T. 6 S., R. 11 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 3 inches, depth 1,620 feet, screen 1,503-1,543. Highest water level 88.5 above lsd, Mar. 13, 1943; lowest 74.3 above lsd, Sept. 11, 1950. Records available: 1939-53. Mar. 12, +79.5; May 13, +79.2; July 21, +79.2; Sept. 16, +78.7; Oct. 21, +78.0.

ST-6. Poitevent & Favre Lumber Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 7 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 400 feet. Highest water level 6.5 above lsd, Sept. 12, 1939; lowest dry, July 21, 1953. Records available: 1939-53. Mar. 11, +0.10; May 13, +0.18; July 21, dry.

ST-10. State Fish Hatchery. Lacombe. Sec. 38, T. 8 S., R. 12 E., south well. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,240 feet, screen 1,140-1,240 feet. Highest water level 38.6 above lsd, Sept. 12, 1939; lowest 27.0 above lsd, Sept. 17, 1953. Records available: 1939-53. Mar. 10, +28.2; May 13, +28.0; July 21, +27.2; Sept. 17, +27.0; Oct. 21, +27.5.

ST-12. Techefunte State Park. Sec. 43, T. 8 S., R. 12 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 to 4 inches, depth 1,530 feet. Highest water level 54.7 above lsd, July 25, 1940; lowest 31.7 above lsd, Nov. 24, 1951. Records available: 1939-53. Mar. 10, +54.4; May 12, +45.8; July 21, +43.8; Sept. 16, +42.4; Oct. 21, +41.2.

ST-16. Bogalusa Tung Co. Sec. 29, T. 5 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 1,000 feet. Highest water level 38.1 above lsd, July 11, 1946; lowest 22.7 above lsd, Nov. 24, 1951. Records available: 1939-53. Mar. 12, +25.5; May 14, +25.8; July 21, +25.2; Sept. 16, +25.0; Oct. 21, +34.0.

ST-51. Leon Gibert. Sec. 42, T. 7 S., R. 11 E. Drilled domestic well in sand of Pleistocene age, diameter 4 inches, depth 940 feet. Highest water level 96.6 above lsd, July 6, 1951; lowest 80.7 above lsd, June 21, 1953. Records available: 1950-53. Mar. 12, +83.4; May 13, +86.5; June 21, +80.7; Sept. 16, +84.6; Oct. 21, +86.5.

ST-95. McLane City Club. Sec. 44, T. 9 S., R. 14 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 600 feet. Highest water level 7.3 above lsd, Apr. 4, 1947; lowest 2.9 above lsd, Nov. 24, 1951. Records available: 1947-53. Mar. 10, +4.42; May 13, +4.32; July 21, +4.22; Sept. 17, +4.44; Oct. 21, +4.02.

ST-117. State Department of Highways. SE $\frac{1}{4}$ sec. 37, T. 8 S., R. 14 E. Drilled unused artesian well in sand of Pleistocene age, diameter 2 inches, depth 900 feet. Highest water level 24.4 above lsd, Apr. 4, 1947; lowest 12.8 above lsd, Apr. 18, 1950. Records available: 1947-53. Mar. 10, +20.0; May 13, +20.0; July 21, +19.6; Sept. 17, +18.3; Oct. 21, +18.5.

ST-1020. H. D. Howser Estate. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 7 S., R. 14 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 265 feet. Highest water level 19.8 above lsd, Apr. 6, 1944; lowest 10.8 above lsd, Oct. 21, 1953. Records available: 1942, 1944-53. Mar. 11, +14.3; May 14, +14.8; July 21, +13.3; Sept. 16, +13.2; Oct. 21, +10.8.

ST-1043. A. T. Flot. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 6 S., R. 12 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 $\frac{1}{2}$ inches, depth 648 feet. Highest water level 10.9 above lsd, June 20, 1950; lowest 7.6 above lsd, Nov. 24, 1951. Records available: 1950-53. Mar. 11, +8.6; May 13, +9.6; July 21, +9.5; Sept. 16, +9.7; Oct. 21, +9.6.

ST-1168. A. T. Flot. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 6 S., R. 12 E. Drilled domestic and public-supply artesian well in sand of Pleistocene age, diameter 2 $\frac{1}{2}$ inches, depth 1,598 feet, screen 1,548-1,598. Highest water level 97.0 above lsd, Mar. 11, 1953; lowest 93.1 above lsd, Oct. 27, 1953. Records available: 1953. Mar. 11, +97.0; May 13, +95.4; July 21, +95.4; Sept. 16, +94.3; Oct. 27, +93.1.

Tangipahoa Parish

Ta-7. Town of Ponchatoula. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 654 feet. Highest water level 10.8 above lsd, Feb. 3, 1942; lowest 4.7 above lsd, Sept. 11, 1950. Records available: 1939-53. Mar. 10, +8.63; May 12, +8.83; July 21, +8.13; Sept. 15, +8.08; Oct. 20, +7.36.

Ta-17. Carl Blumquist. Center of NE $\frac{1}{4}$ sec. 6, T. 6 S., R. 8 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 495 feet. Highest water level 5.1 above lsd, Dec. 29, 1947; lowest 0.6 above lsd, Oct. 20, 1953. Records available: 1939-53. Mar. 10, +3.08; May 12, +3.20; July 21, +2.27; Sept. 15, +2.42; Oct. 20, +0.60.

Ta-19. V. Stevens. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 7 S., R. 8 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 535 feet, screen 515-535. Highest water level 19.5 above lsd, Mar. 3, 1946, Apr. 12, 1950; lowest 13.4 above lsd, Sept. 2, 1947. Records available: 1939-53. Mar. 10, +18.5; May 12, +18.9; July 21, +18.2; Sept. 15, +17.42; Oct. 20, +15.4.

Ta-21. Burns Davis. N $\frac{1}{2}$ irregular sec. 54, T. 7 S., R. 7 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 343 feet, screen 227-243. Highest water level 8.9 above lsd, Aug. 9, 1939, Sept. 4, 1941; lowest 5.43 above lsd, Sept. 15, 1953. Records available: 1939-53. Mar. 10, +7.80; May 12, +7.86; July 20, +6.63; Sept. 15, +5.43.

Ta-23. Otto Bignor. Sec. 50, T. 7 S., R. 7 E. Drilled unused artesian well in sand of Quaternary age, diameter 2 inches, depth 400 feet. Highest water level 5.0 above lsd, Apr. 7, 1944; lowest 0.52 above lsd, Dec. 16, 1952. Records available: 1939-49, 1952-53. May 14, 1952, +1.90; Dec. 16, +0.52; Mar. 10, 1953, +2.35; May 12, +3.18; July 20, +2.48; Sept. 14, +2.50; Oct. 20, +1.20.

Ta-24. Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 383 feet, screen 363-383. Highest water level 6.6 above lsd, Apr. 7, 1944; lowest 1.8 above lsd, July 5, 1951. Records available: 1939-53. May 12, +5.07; July 20, +4.40; Sept. 15, +4.50; Oct. 20, +2.93.

Ta-242. Byron Stevens. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 7 S., R. 8 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 2 inches, depth 405 feet. Highest water level 14.9 above lsd, Apr. 3, 1947; lowest 9.0 above lsd, Oct. 20, 1953. Records available: 1945-53. Mar. 10, +13.5; May 12, +13.5; July 21, +12.3; Sept. 15, +11.7; Oct. 20, +9.0.

Ta-246. Town of Roseland. Highway 51, Roseland. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,250 feet, screen 1,200-1,250. Highest water level 51.1 above lsd, Nov. 29, 1950; lowest 46.5 above lsd, July 6, 1951. Records available: 1949-51. Measurement discontinued.

Ta-252. Town of Independence. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 4 S., R. 7 E. Drilled public-supply artesian well in sand of Pleistocene age, diameter 4 inches, depth 2,170 feet, screen 2,107-2,170. Highest water level 87.4 above lsd, July 6, 1951; lowest 74.0 above lsd, Sept. 15, 1953. Records available: 1951-53. Mar. 13, +75.0; May 14, +81.6; July 23, +75.4; Sept. 15, +74.0; Oct. 20, +74.7.

Ta-253. Town of Hammond. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 6 S., R. 7 E. Drilled public-supply artesian well in sand of Pleistocene age, diameter 8 inches, depth 2,190 feet. Highest water level 106.0 above lsd, Dec. 16, 1952; lowest 94.7 above lsd, Oct. 20, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 17, 1952	+100.0	Dec. 16, 1952	+106.0	May 14, 1953	+101.5	Sept. 15, 1953	+100.7
Oct. 17	+97.1	Mar. 13, 1953	+100.5	June 24	+98.9	Oct. 20	+94.7

Ta-258. Town of Ponchatoula. Drilled public-supply artesian well in sand of Pleistocene age, diameter 8 inches, depth 1,986 feet. Highest water level 113.6 above lsd, Dec. 16, 1952; lowest 108.3 above lsd, Oct. 20, 1953. Records available: 1952-53.

May 15, 1952	+113.1	Dec. 16, 1952	+113.6	May 12, 1953	+111.9	Sept. 15, 1953	+109.6
Oct. 15	+110.4	Mar. 10, 1953	+111.9	July 21	+110.8	Oct. 20	+108.3

Vermilion Parish

Ve-22. Maurice Ginning Co. Maurice. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 11 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 300 feet. Land-surface datum is 22.61 feet above msl. Highest water level 14.40 below lsd, Apr. 11, 1944; lowest 25.65 below lsd, Sept. 30, 1953. Records available: 1944-53. Apr. 7, 22.84; July 28, 21.24; Sept. 28, 25.62; Sept. 30, 25.65.

Ve-28. Department of the Army. Vermilion Locks on Intracoastal Canal. Drilled public-supply artesian well in sand of Pleistocene age, diameter 2 inches, depth 260 feet. Land-surface datum is 6.74 feet above msl. Highest water level 1.25 below lsd, Apr. 11, 1944; lowest 6.70 below lsd, Sept. 29, 1953. Records available: 1944-53. Apr. 7, 5.59; July 28, 5.49; Sept. 29, 6.70.

Ve-30. S. Hebert. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 14 S., R. 3 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 430 feet, screen 350-430. Land-surface datum is 5.21 feet above msl. Highest water level 1.37 below lsd, Mar. 11, 1947; lowest 6.30 below lsd, Sept. 29, 1953. Records available: 1946-53. Apr. 7, 4.72; July 28, 5.60; Sept. 29, 6.30.

Ve-37. Ulysses Duhon. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 8, T. 11 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 8 inches, depth 280 feet. Land-surface datum is 26.07 feet above msl. Highest water level 25.47 below lsd, Feb. 6, 1951; lowest 32.53 below lsd, July 28, 1953. Records available: 1951, 1953. July 28, 32.53; Sept. 28, 31.43.

Ve-41. C. Forman. $SW\frac{1}{4}NE\frac{1}{4}$ sec. 1, T. 11 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 18 to 6 inches, depth 250 feet. Land-surface datum is 26.31 feet above msl. Highest water level 17.20 below lsd, Oct. 5, 1944; lowest 40.98 below lsd, July 29, 1953. Records available: 1944-53. Apr. 7, 29.81; July 29, 40.98; Sept. 29, 35.19; Sept. 30, 35.22.

Ve-56. C. Faulk. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 1, T. 12 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, depth 330 feet, screen 280-330. Highest water level 20.81 below lsd, Mar. 7, 1951; lowest 27.23 below lsd, July 29, 1953. Records available: 1950-51, 1953. Dec. 13, 1950, 22.52; Mar. 7, 1951, 20.81; June 27, 25.08; Sept. 21, 28.06; July 29, 1953, 27.23; Sept. 1, 26.97; Sept. 28, 26.76.

Ve-57. Onezie Vincent. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 32, T. 11 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 inches. Highest water level 10.32 below lsd, Apr. 6, 1948; lowest 32.58 below lsd, Sept. 9, 1947. Records available: 1947-50, 1953. July 29, 26.93; Sept. 28, 26.67.

Ve-75. V. Schriefer. Sec. 13, T. 13 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 8 inches, depth 291 feet. Land-surface datum is 10.70 feet above msl. Highest water level 10.06 below lsd, Feb. 6, 1951; lowest 13.96 below lsd, Sept. 28, 1953. Records available: 1951, 1953. July 28, 13.71; Sept. 28, 13.96.

Ve-78. J. F. Noel. Irregular sec. 14, T. 13 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 295 feet. Land-surface datum is 9.85 feet above msl. Highest water level 5.34 below lsd, Mar. 9, 1944; lowest 13.47 below lsd, July 28, 1953. Records available: 1944-53. Apr. 7, 10.74; July 28, 13.47; Sept. 28, 12.61.

Ve-79. J. Mouton. $NW\frac{1}{2}$ sec. 15, T. 13 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 275 feet. Land-surface datum is 7.05 feet above msl. Highest water level 6.40 below lsd, Feb. 6, 1951; lowest 16.26 below lsd, Nov. 7, 1951. Records available: 1951. Measurement discontinued.

Ve-106. H. Dubois. $NE\frac{1}{4}SE\frac{1}{4}$ sec. 22, T. 12 S., R. 2 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 6 inches, depth 270 feet. Land-surface datum is 13.01 feet above msl. Highest water level 8.04 below lsd, Mar. 15, 1944; lowest 18.19 below lsd, Sept. 20, 1951. Records available: 1944-53. Apr. 7, 10.70. Measurement discontinued.

Ve-120. Erath Sugar Co. Erath. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 35, T. 12 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 10 inches, depth 285 feet. Land-surface datum is 9.51 feet above msl. Highest water level 4.67 below lsd, May 6, 1944; lowest 13.06 below lsd, July 28, 1953. Records available: 1944-53. Apr. 7, 10.78; July 28, 13.06; Sept. 29, 12.40.

Ve-124. Dr. G. L. Gardiner. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 25, T. 12 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 18 to 10 inches, depth 300 feet. Land-surface datum is 6.42 feet above msl. Highest water level 0.40 below lsd, Feb. 14, 1946; lowest 22.29 below lsd, Sept. 21, 1951. Records available: 1945-53. Apr. 7, 14.09; Sept. 30, 18.59.

Ve-127. Loffland Bros. Sec. 33, T. 11 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 179 feet. Land-surface datum is 5.13 feet above msl. Highest water level 4.3 below lsd, Apr. 13-14, 1947; lowest 25.08 below lsd, July 9, 1948. Records available: 1945-53. Apr. 7, 14.74; Sept. 30, 21.84.

Ve-128. Charles Stancil. $NE\frac{1}{4}$ sec. 33, T. 11 S., R. 1 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 20 to 10 inches, depth 330 feet, screen 230-330. Land-surface datum is 10.41 feet above msl. Highest water level 6.80 below lsd, Apr. 8, 1948; lowest 28.59 below lsd, Sept. 21, 1951. Records available: 1946-53. Apr. 7, 19.40; Sept. 30, 26.67.

Ve-129. J. D. Vondenstein. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 1, T. 13 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 320 feet. Land-surface datum is 0.96 foot above msl. Highest water level 6.67 below lsd, Mar. 21, 1950; lowest 18.52 below lsd, Sept. 21, 1951. Records available: 1948-53. Apr. 7, 10.88; Sept. 30, 15.89.

Ve-186. H. Fontenot. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 24, T. 12 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 150 feet. Land-surface datum is 8.79 feet above msl. Highest water level 6.23 below lsd, Feb. 6, 1951; lowest 12.92 below lsd, June 28, 1951. Records available: 1951-53. Apr. 7, 8.67; July 27, 11.36; Sept. 29, 10.24.

Ve-211. O. Brasseaux. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 14 S., R. 4 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 5 inches, depth 695 feet. Land-surface datum is 3.70 feet above msl. Highest water level 3.19 below lsd, Feb. 7, 1951; lowest 6.83 below lsd, June 28, 1951. Records available: 1951-53. Apr. 7, 4.37.

Ve-218. Allabiade Butaud. South part of irregular sec. 45, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to $\frac{1}{2}$ inches, depth 500 feet, screen 460-500. Land-surface datum is 9.29 feet above msl. Highest water level 8.71 below lsd, Apr. 30, 1952; lowest 13.10 below lsd, June 28, 1951. Records available: 1950-53. Apr. 7, 10.40; July 28, 12.02; Sept. 29, 12.29.

Ve-219. Frank Gaudchaux. Center of sec. 83, T. 14 S., R. 3 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 12 inches, depth 350 feet. Highest water level 3.04 above lsd, Feb. 7, 1951; lowest 1.46 above lsd, Sept. 29, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1951	+3.04	Dec. 11, 1951	+2.01	Oct. 1, 1952	+1.84	July 28, 1953	+2.06
Nov. 7	+1.94	Apr. 30, 1952	+2.67	Apr. 7, 1953	+2.62	Sept. 29	+1.46

Ve-238. Mayo D. Broussard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 11 S., R. 3 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 170 feet. Land-surface datum is 15.45 feet above msl. Highest water level 13.57 below lsd, Sept. 20, 1951; lowest 16.97 below lsd, Nov. 6, 1951. Records available: 1950-51. Measurement discontinued.

Ve-284. Alphe Broussard. Fork Island. T. 14 S., R. 1 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 8 inches, depth 221 feet, screen 167-219. Land-surface datum is 1.10 feet above msl. Highest water level 1.56 below lsd, Mar. 21, 1950; lowest 3.05 below lsd, Dec. 11, 1950. Records available: 1950-51. Measurement discontinued.

Ve-333. J. Herpin. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 11 S., R. 1 E. Drilled irrigation artesian well in sand of Pleistocene age, diameter 10 to 8 inches, depth 280 feet, screen 220-280. Land-surface datum is 13.89 feet above msl. Highest water level 15.69 below lsd, Mar. 21, 1950; lowest 27.83 below lsd, Sept. 21, 1951. Records available: 1948-53. Apr. 8, 25.62; Sept. 30, 27.10.

Ve-460. Acadia-Vermilion Rice Irrigation Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 13 S., R. 2 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 10 inches, depth 300 feet. Land-surface datum is 9.53 feet above msl. Highest water level 8.20 below lsd, Mar. 27-28, 1950; lowest 20.65 below lsd, July 15, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	13.00	Apr. 7	13.05	July 15	20.65	Oct. 28	20.36
22	12.81	May 6	17.44	Sept. 2	19.11	Dec. 22	17.25
Mar. 24	16.82	June 8	18.71				

Ve-507. Jonas Weill. Sec. 55, T. 13 S., R. 3 E. Dug domestic water-table well in deposits of Recent age, diameter 4 inches, depth 22 feet. Land-surface datum is 4.39 feet above msl. Highest water level 3.11 below lsd, Feb. 6, 1951; lowest 6.04 below lsd, Oct. 1, 1952. Records available: 1950-53. Sept. 29, 5.45. Measurement discontinued.

Ve-510. Rice Bowl Sales & Terminal Co. East end of irregular sec. 52, T. 12 S., R. 3 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 6 inches, depth 280 feet. Land-surface datum is 8.86 feet above msl. Highest water level 8.46 below lsd, Mar. 7, 1951; lowest 12.41 below lsd, Oct. 1, 1952. Records available: 1950-53. Apr. 7, 11.17.

Ve-514. The Texas Co. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 210 feet. Land-surface datum is 6.14 feet above msl. Highest water level 9.8 below lsd, Mar. 9, 1951; lowest 20.82 below lsd, July 14, 1953. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.80	14.55	15.34	16.31	16.00	16.25	19.99	19.16	19.86	14.42	19.25	18.93
2	15.95	14.53	14.77	15.90	16.01	.....	20.03	19.20	19.86	18.64	19.15	18.85
3	15.96	14.53	15.05	16.34	15.95	.....	20.04	19.21	19.09	18.87	19.08	18.70
4	15.95	14.40	15.17	15.53	15.85	.....	20.15	19.24	18.80	18.88	19.07	18.94
5	15.89	14.00	15.34	15.33	.....	.....	20.15	19.20	19.18	18.85	19.20	18.95
6	15.77	13.98	15.33	15.38	.....	.....	20.03	19.27	19.02	18.85	19.33	19.04
7	15.78	14.07	15.28	15.35	.....	.....	20.01	19.24	19.20	19.05	19.27	19.13
8	14.45	14.20	15.25	15.67	.....	14.25	.....	19.23	19.12	19.05	19.25	18.95
9	15.40	14.17	15.40	15.58	.....	14.31	18.50	19.22	19.09	18.99	19.22	18.86
10	15.50	14.20	15.30	15.66	.....	14.32	18.32	19.26	18.76	18.93	19.20	18.93

Ve-514--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	15.53	14.07	15.22	15.65	.....	14.35	20.20	19.35	18.67	18.92	19.12	18.75
12	15.62	13.43	15.23	15.63	15.71	14.62	20.37	19.41	18.87	18.86	19.25	e18.8
13	15.59	13.98	15.42	16.91	15.63	15.64	20.49	19.50	18.77	18.83	19.33	18.82
14	15.54	.....	15.14	16.01	15.76	15.20	20.53	18.25	18.42	19.20	19.18	18.75
15	15.32	.....	15.58	15.91	15.80	15.29	20.75	19.90	18.63	19.27	19.08	e18.7
16	14.03	15.34	14.30	16.06	15.89	16.30	19.66	19.97	18.54	19.14	19.05	e18.7
17	14.00	15.45	15.75	16.01	15.85	16.63	19.68	18.50	18.61	19.07	19.02	e18.7
18	13.94	14.65	15.82	15.85	15.80	16.58	19.68	18.89	18.85	19.12	19.13	e18.7
19	13.25	14.04	15.98	16.12	15.67	16.66	19.68	19.90	18.60	19.08	19.00	18.58
20	12.47	15.58	15.95	16.17	15.65	16.74	19.66	19.93	18.57	19.08	19.05	18.40
21	14.30	15.44	15.97	16.05	15.74	16.84	19.65	20.06	18.71	18.98	18.90	18.34
22	14.25	15.73	16.05	16.03	15.87	17.10	19.95	20.05	17.43	18.76	19.03	18.45
23	14.19	15.75	16.25	16.15	15.95	17.19	20.15	20.14	17.78	19.03	19.00	18.77
24	14.30	15.64	15.38	16.15	15.99	17.34	.....	20.17	17.76	18.92	18.80	18.82
25	14.27	15.62	15.72	16.02	16.04	17.47	.....	20.07	18.35	18.70	19.15	.....
26	14.15	15.61	15.74	16.13	16.06	17.77	.....	19.35	18.77	19.00	18.96	.....
27	14.10	15.40	15.73	16.20	16.07	17.89	.....	20.07	18.69	17.38	18.25	.....
28	14.07	15.43	15.90	16.33	16.06	17.91	h17.72	19.92	18.59	18.60	19.44	.....
29	14.26	.....	15.94	14.30	15.95	16.85	e17.8	19.82	19.00	19.25	19.44	.....
30	14.55	.....	15.70	15.91	16.12	19.90	17.85	19.74	19.42	19.05	19.03	.....
31	14.54	.....	15.83	.....	16.13	.....	18.85	18.50	.....	19.25	.....	.....

e Estimated.

h Tape measurement.

Ve-517. The Texas Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 13 S., R. 4 E. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 210 feet. Land-surface datum is 6.36 feet above msl. Highest water level 9.88 below lsd, Feb. 7, 1951; lowest 15.23 below lsd, July 28, 1953. Records available: 1951-53. Apr. 7, 13.10; July 28, 15.23; Sept. 29, 14.98.

Ve-546. C. P. Motty. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 65, T. 12 S., R. 3 E. Drilled observation artesian well in sand of Pleistocene age, diameter 6 inches, depth 250 feet. Highest water level 13.93 below lsd, Dec. 28, 1953; lowest 14.70 below lsd, Nov. 14, 16-18, 1953. Records available: 1953.

Daily noon water level from recorder graph*

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	e14.5	14.36	14.46	14.67	14.55
2	.....	e14.5	14.36	14.48	14.67	14.50
3	.....	e14.5	14.34	14.49	14.67	14.39
4	.....	e14.5	14.31	14.51	14.62	14.41
5	.....	e14.4	14.32	14.50	14.65	14.43
6	.....	e14.4	14.30	14.52	14.67	14.45
7	14.51	e14.4	14.31	14.55	14.66	14.47
8	14.53	e14.4	14.30	14.54	14.67	14.39
9	14.57	e14.3	14.30	14.55	14.67	14.33
10	14.63	e14.3	14.27	14.55	14.68	14.39
11	14.64	e14.3	14.28	14.56	14.67	14.28
12	14.65	e14.3	14.28	14.56	14.68	14.33
13	14.65	14.24	14.27	14.57	14.69	14.28
14	14.65	14.19	14.27	14.58	14.70	14.32
15	14.66	14.18	14.28	14.58	14.69	14.33
16	14.62	14.17	14.29	14.58	14.70	14.29
17	14.62	14.21	14.33	14.59	14.70	14.29
18	14.62	14.14	14.36	14.59	14.70	14.28
19	14.60	14.14	14.37	14.59	14.61	14.23
20	14.57	14.19	14.37	14.62	14.64	14.06
21	14.58	14.25	14.40	14.62	14.65	14.10
22	14.60	14.29	14.44	14.64	14.53	14.10
23	14.53	14.32	14.42	14.63	14.58	14.14
24	14.58	14.32	14.41	14.63	14.56	14.14
25	14.59	14.33	14.39	14.63	14.60	14.09
26	14.59	14.34	14.40	14.56	14.62	14.07
27	14.57	14.40	14.41	14.65	14.59	14.02
28	14.57	14.38	14.43	14.64	14.60	13.93
29	14.60	14.36	14.45	14.67	14.60	13.95
30	14.64	14.36	14.46	14.66	14.56	13.95
31	h14.60	14.34	.....	14.66	.....	13.99

* No record for January, February, March, April, May, and June.

e Estimated.

h Tape measurement.

Vernon Parish

V-104. Department of the Army. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 1 N., R. 8 W. Drilled unused artesian well in sand of Miocene age, diameter 8 inches, depth 908 feet, screen 836-854. Highest water level 191.6 below lsd, Feb. 14, 1952; lowest 207.64 below lsd, June 20, 1953. Records available: 1952-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	194.80	194.07	194.83	196.29	197.95	207.13	202.67	203.85	204.47	205.13	203.17	201.64
2	194.32	194.47	194.70	196.38	199.57	206.57	205.04	203.94	204.05	205.86	202.87	202.16
3	194.88	194.56	194.97	196.47	201.13	206.49	206.22	204.33	204.56	206.62	202.75	201.80
4	194.41	194.82	195.53	196.71	201.42	206.08	204.80	205.07	204.32	205.33	202.69	202.24
5	194.37	195.09	195.52	196.24	201.60	203.89	203.48	204.82	204.17	204.99	203.13	203.22
6	194.44	195.25	195.87	195.80	204.47	203.35	203.76	204.96	202.67	205.62	202.43	202.69
7	194.80	195.15	195.78	196.43	204.07	204.83	203.85	204.11	202.20	205.33	202.32	202.09
8	194.63	194.79	195.63	196.45	203.62	204.92	204.31	204.27	201.78	204.81	203.37	202.40
9	194.80	194.29	195.40	196.95	202.49	205.20	204.11	203.85	202.89	204.74	203.93	201.87
10	194.77	194.36	195.48	197.20	201.21	203.29	204.33	204.43	202.97	204.93	203.12	202.88
11	194.44	194.45	195.31	197.43	200.73	203.76	204.35	203.91	203.42	204.14	203.95	202.88
12	194.23	194.77	195.80	196.70	200.66	203.48	203.99	204.06	204.29	203.23	203.71	203.48
13	194.65	194.73	195.78	196.37	200.53	203.48	203.07	204.78	203.87	204.55	203.48	201.82
14	194.45	195.09	196.15	196.22	200.36	203.43	202.59	203.64	202.91	205.00	202.78	202.83
15	194.56	194.67	195.43	196.47	200.23	202.87	202.17	204.25	204.08	204.87	204.04	202.83
16	194.71	194.73	195.64	196.57	200.34	203.68	202.36	204.27	203.95	204.97	203.80	202.86
17	194.58	194.97	195.75	196.90	200.15	203.49	202.13	203.26	204.60	205.24	204.19	202.70
18	194.22	195.17	195.98	197.19	199.21	203.79	203.49	203.02	204.63	203.24	202.40	203.10
19	194.18	194.87	196.17	196.95	199.80	205.50	203.26	203.54	205.59	203.88	202.43	202.48
20	194.38	195.03	196.05	196.28	200.54	206.61	203.02	203.97	204.54	204.09	202.76	201.89
21	194.88	195.19	196.30	196.86	202.20	204.72	203.34	205.91	204.74	204.37	203.46	200.88
22	194.57	194.88	195.97	197.08	203.10	204.89	203.94	206.08	204.75	204.65	202.75	201.83
23	194.65	194.30	195.78	197.56	205.47	204.02	203.70	204.23	204.82	205.23	202.11	201.15
24	194.61	194.28	195.98	197.34	206.23	204.38	204.04	204.23	204.74	205.15	202.33	201.35
25	194.30	192.87	194.37	197.57	206.59	203.75	204.14	203.75	205.58	204.72	202.02	200.25
26	194.20	196.16	197.93	196.94	206.45	204.00	204.90	203.94	205.28	203.50	202.56	200.44
27	194.98	194.88	197.02	196.97	206.30	203.86	205.24	203.87	204.90	203.65	201.73	200.23
28	194.77	195.94	197.25	199.09	206.36	202.93	202.37	204.27	204.70	203.63	203.00	200.57
29	194.84		196.50	196.99	205.63	202.28	201.10	206.71	205.30	204.20	201.83	201.33
30	194.63		196.33	197.13	206.44	202.97	202.69	205.96	205.91	203.60	201.74	202.17
31	195.12		196.36		207.14		203.78	204.45		204.61		201.23

Washington Parish

Wa-7. Gaylord Container Corp. Bogalusa. T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diameter 24 to 12 inches, depth 580 feet. Highest water level 0.19 above lsd, Dec. 30, 1953; lowest 25.09 below lsd, Sept. 2, 1952. Records available: 1949-53.

Daily noon water level, above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-19.51	-19.41	-19.75	-20.10	-20.28	-20.60	-21.03	-20.74	-22.01	-21.35	-21.45	-21.21
2	19.51	19.39	19.74	20.12	20.13	20.68	21.02	20.47	22.23	21.49	21.51	21.22
3	19.53	19.36	10.73	20.13	19.98	20.78	21.04	20.49	21.46	21.58	21.55	21.38
4	19.56	19.32	10.48	20.14	20.01	20.86	21.15	20.68	21.23	21.57	21.51	20.95
5	19.56	19.87	14.50	20.12	20.12	20.97	21.18	20.35	21.29	21.55	21.46	20.78
6	19.48	19.93	17.90	20.07	20.15	21.05	20.64	20.58	21.32	21.66	21.48	20.57
7	19.59	19.88	19.00	20.20	20.10	21.08	21.03	20.81	13.33	21.71	21.49	20.55
8	19.48	19.75	19.40	19.53	20.10	21.12	21.05	20.42	18.36	21.60	21.44	20.72
9	19.45	19.78	19.42	19.48	20.03	21.14	21.15	20.50	20.16	21.58	21.37	20.56
10	19.47	19.78	19.85	19.45	20.08	21.23	21.20	20.46	20.60	21.53	21.41	20.54
11	19.57	19.94	19.90	19.38	20.05	21.38	21.27	20.62	20.86	21.55	21.45	20.55
12	19.60	19.84	19.72	19.42	20.04	21.34	21.31	20.96	20.82	21.59	21.43	20.45
13	19.60	19.77	19.80	19.40	20.10	21.30	21.39	20.99	20.95	21.70	21.52	20.47
14	19.57	19.90	19.84	19.34	20.23	21.24	21.30	21.00	21.00	21.77	21.45	20.61
15	19.23	19.85	19.72	19.30	20.24	21.08	21.32	21.02	21.04	21.78	21.39	20.73
16	18.92	19.85	19.79	19.34	20.20	20.88	21.27	21.01	21.07	21.78	22.15	20.91
17	19.25	19.80	19.82	14.00	20.25	21.06	13.25	20.97	21.07	21.84	22.37	21.03
18	19.36	19.80	19.75	17.80	20.24	21.00	19.85	21.00	21.13	21.86	22.36	21.05
19	19.28	19.93	19.68	19.27	20.19	21.05	20.58	20.95	21.16	21.84	22.28	21.36
20	19.17	19.93	19.80	19.70	20.23	21.05	20.93	21.00	21.24	21.86	22.03	21.07

Wa-7--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	-19.28	-19.87	-19.70	-19.74	-20.41	-21.08	-20.90	-21.01	-21.24	-21.82	-22.05	-20.95
22	19.29	19.89	19.67	20.05	20.45	21.10	21.12	20.95	21.34	21.80	22.17	15.70
23	19.25	19.90	14.00	20.23	20.50	21.12	20.97	20.71	21.24	21.74	22.09	20.42
24	19.32	19.80	19.47	20.40	20.51	21.11	20.88	20.23	21.16	21.70	21.93	20.38
25	19.32	19.81	19.77	20.22	20.55	21.08	20.69	20.87	21.17	21.62	21.92	20.21
26	19.30	19.79	19.90	20.27	20.56	21.04	20.39	20.93	20.96	21.54	21.59	20.77
27	19.25	19.78	19.91	20.32	20.90	21.02	20.11	20.89	21.23	21.50	21.43	20.90
28	19.27	19.78	20.01	20.22	20.65	20.84	20.22	20.90	21.27	21.47	21.42	-6.15
29	19.37		20.09	20.17	20.48	20.96	20.14	20.91	21.48	21.40	21.53	+1.15
30	19.38		20.00	20.20	20.45	21.04	20.16	20.89	21.30	21.45	21.25	-1.80
31	19.38		20.10		20.51		20.16	21.15		21.42		-12.29

Wa-14. Town of Bogalusa. Robinson and Madison Sts. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 680 feet. Highest water level 18.0 above lsd, July 6, 1951; lowest 5.8 above lsd, Oct. 16, 1952. Records available: 1950-53. Mar. 12, +11.2; May 14, +11.9; July 22, +10.8; Sept. 16, +13.1; Oct. 21, +10.7.

Wa-15. Town of Bogalusa. North Ave. and Warren St. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 769 feet. Highest water level 29.8 above lsd, Apr. 18, 1950; lowest 9.76 above lsd, Oct. 20, 1953. Records available: 1950-53. Mar. 12, +11.7; May 14, +10.1; July 23, +10.8; Sept. 16, +10.9; Oct. 20, +9.76.

Wa-18. Town of Franklinton. Drilled public-supply well in sand of Pleistocene age, diameter 6 inches, depth 788 feet. Highest water level 35.6 above lsd, June 21, 1950; lowest 26.5 above lsd, Dec. 16, 1952. Records available: 1949-53. May 14, +27.7; July 23, +27.7; Sept. 15, +27.4; Oct. 20, +27.0.

Wa-38. Town of Franklinton. Drilled public-supply artesian well in sand of Pleistocene age, diameter 6 inches, depth 1,050 feet, screen 970-1,050. Highest water level 46.2 above lsd, Mar. 1, 1951; lowest 42.7 above lsd, May 16, 1952. Records available: 1949-52. No measurement made in 1953.

Wa-41. Town of Bogalusa. Madison and Robertson Sts. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 3 S., R. 13 E. Drilled artesian public-supply well in sand of Pleistocene age, diameter 12 inches, depth 1,442 feet. Highest water level 33.4 above lsd, Mar. 16, 1950; lowest 9.7 above lsd, Oct. 21, 1953. Records available: 1950, 1952-53. Mar. 12, +18.3; May 14, +15.7; July 23, +12.2; Sept. 16, +13.2; Oct. 21, +9.7.

Wa-43. V. A. Talley. Center N $\frac{1}{2}$ sec. 44, T. 4 S., R. 13 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 420 feet. Highest water level 31.0 above lsd, Sept. 12, 1950; lowest 24.6 above lsd, May 16, 1952. Records available: 1950-53. Mar. 12, +28.9; May 14, +28.5; July 23, +28.4; Sept. 16, +28.2; Oct. 21, +27.9.

Webster Parish

Wb-2. Town of Springhill. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 23 N., R. 11 W. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 321 feet, screen 280-320. Highest water level 148.79 below lsd, June 4, 1953; lowest 169.88 below lsd, Jan. 6, 1950. Records available: 1947-53. May 5, 154.88; Apr. 22, 151.04; June 4, 148.79; Aug. 27, 155.38; Nov. 19, 150.37; Dec. 17, 150.36.

Wb-27. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 23 N., R. 11 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 312 feet. Highest water level 91.00 below lsd, Nov. 24, 1953; lowest 169.20 below lsd, Oct. 8, 1947. Records available: 1947-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	102.06	104.98	97.77	104.25	102.48	97.64	96.74	94.23	e93.5	e93.5	e91.7	91.12
2	103.45	105.01	97.85	104.17	102.49	97.52	96.76	94.18	e93.5	e93.5	e91.7	e91.0
3	104.02	104.98	97.63	103.99	102.47	97.39	96.76	94.31	e93.5	e93.5	e91.7	e91.0
4	104.32	104.93	97.67	101.86	102.38	97.32	96.74	94.38	e93.5	e93.5	e91.7	e91.0
5	104.50	104.88	97.58	101.02	100.74	97.22	94.04	94.39	e93.5	e93.5	e91.7	e91.0
6	104.71	104.92	97.61	102.02	101.61	97.20	92.89	94.34	e93.5	e93.5	e91.7	e91.0
7	104.85	104.95	98.13	102.51	101.78	97.13	94.48	94.37	e93.5	e93.5	e91.7	e91.0
8	104.87	104.97	100.18	102.67	101.83	97.04	94.61	94.43	e93.5	e93.5	e91.7	e91.0
9	104.98	104.92	101.52	102.77	103.82	97.00	94.00	94.34	e93.5	e93.5	e91.7	e91.0
10	105.12	104.76	101.98	102.93	104.13	96.93	94.33	94.43	e93.5	e93.5	e91.7	e91.0

Wb-27--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	105.34	103.50	102.48	102.90	104.44	96.98	94.35	94.39	e93.5	e93.5	e91.7	e91.0
12	105.37	101.86	102.95	102.97	104.40	96.86	94.40	94.42	e93.5	e93.5	e91.7	e91.0
13	105.45	100.63	103.29	103.03	104.56	96.78	94.38	94.42	e93.5	e93.5	e91.7	e91.0
14	105.50	99.87	103.54	102.91	104.49	96.62	94.55	94.46	e93.5	e93.5	e91.7	e91.0
15	105.52	99.49	103.82	102.83	104.67	96.73	94.64	94.41	e93.5	h92.21	e91.7	e91.0
16	105.61	99.15	104.01	103.03	104.63	96.68	94.41	94.42	e93.5	e91.7	e91.7	e91.0
17	105.43	99.03	104.04	102.87	104.54	96.68	94.40	94.45	e93.5	e91.7	e91.7	h91.08
18	105.41	98.82	103.96	102.96	104.67	96.69	94.40	.....	e93.5	e91.7	e91.7	.....
19	105.39	99.15	104.48	103.08	104.58	96.71	94.26	.....	e93.5	e91.7	91.21	.....
20	105.42	100.08	104.58	103.08	104.52	96.77	94.25	.....	e93.5	e91.7	91.25	.....
21	105.55	100.80	104.73	102.96	104.45	96.70	94.26	.....	e93.5	e91.7	91.26	.....
22	105.46	101.15	104.60	102.92	104.51	96.72	94.09	.....	e93.5	e91.7	91.10	.....
23	105.42	99.72	104.58	102.93	104.69	96.73	94.08	.....	e93.5	e91.7	91.16	.....
24	105.57	99.10	104.63	102.59	102.95	96.73	94.12	.....	e93.5	e91.7	91.10	.....
25	105.57	98.72	104.79	102.52	101.21	96.67	94.09	.....	e93.5	e91.7	91.15	.....
26	105.63	98.98	104.71	102.72	100.12	96.73	94.18	.....	e93.5	e91.7	91.20	.....
27	105.12	98.21	104.61	102.98	99.37	96.80	94.19	.....	e93.5	e91.7	91.20	.....
28	105.28	98.18	104.73	102.72	98.87	96.82	94.18	92.87	e93.5	e91.7	91.23	.....
29	105.14	.....	104.53	102.42	98.43	96.84	94.17	93.73	e93.5	e91.7	91.20	.....
30	105.00	.....	104.45	102.53	98.16	96.82	94.19	93.97	e93.5	e91.7	91.17	.....
31	104.89	.....	104.27	.....	97.80	.....	94.27	e94.00	.....	e91.7	.....	.....

e Estimated.

h Tape measurement.

Wb-94. Town of Springhill. Sec. 11, T. 23 N., R. 11 W. Drilled public-supply artesian well in Sparta sand, diameter 12 to 9 inches, depth 408 feet, screen 328-408. Highest water level 84.32 below lsd, Dec. 17, 1953; lowest 100.66 below lsd, July 5, 1950. Records available: 1950-53. Apr. 22, 84.42; Aug. 27, 92.88; Oct. 15, 89.18; Nov. 19, 87.07; Dec. 17, 84.32.

Wb-95. International Paper Co., Southern Kraft Division. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 23 N., R. 11 W. Drilled unused artesian well in Sparta sand, diameter 18 to 12 inches, depth 15 feet. Highest water level 44.10 below lsd, Feb. 19, 1948; lowest 68.80 below lsd, Dec. 2, 1949. Records available: 1947-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	61.50	58.95	56.72	55.49	53.36	50.24	51.49	e55.3	56.45	56.13	55.90	55.87
2	61.34	58.75	56.82	55.40	53.49	50.25	51.34	e55.3	56.29	56.06	55.97	55.59
3	61.60	58.62	56.53	55.30	53.32	50.19	51.43	e55.3	56.19	56.10	55.88	55.65
4	61.40	58.65	57.13	55.42	53.78	50.11	51.68	e55.3	56.32	56.04	55.74	56.14
5	61.43	58.30	57.19	55.09	53.94	50.13	51.81	e55.3	56.69	55.91	55.88	55.44
6	61.24	58.43	57.32	54.70	53.75	50.35	51.74	e55.3	56.73	55.99	55.91	55.90
7	61.25	58.45	57.15	54.84	53.29	50.40	51.41	e55.3	54.28	56.19	55.92	55.92
8	60.16	58.42	57.23	54.75	53.39	50.47	51.95	e55.3	53.49	56.07	56.10	55.64
9	60.24	58.39	57.03	54.62	53.17	50.59	51.99	e55.3	55.60	55.91	56.10	55.77
10	60.16	58.20	56.65	54.80	52.93	50.68	52.16	e55.3	55.74	55.83	56.11	55.76
11	60.37	57.92	56.50	54.67	52.94	50.65	52.21	e55.3	55.82	55.75	55.96	55.57
12	60.35	57.62	56.46	54.73	52.97	50.67	52.14	e55.3	55.54	55.85	55.96	55.61
13	60.00	57.62	56.21	55.18	53.12	50.58	52.17	e55.3	55.64	55.95	56.01	55.40
14	59.83	58.17	55.89	55.22	53.07	50.44	52.34	e55.3	55.61	56.00	55.96	55.70
15	59.82	58.08	56.15	54.99	52.80	50.40	52.56	e55.3	55.58	55.97	55.81	55.75
16	60.09	58.23	56.10	55.24	52.53	50.64	52.78	e55.3	55.66	55.92	55.69	55.94
17	59.82	57.73	55.80	54.95	52.37	50.78	52.95	e55.3	55.77	55.88	55.60	56.00
18	59.60	57.90	55.47	54.65	52.22	50.77	53.14	e55.3	55.85	55.90	55.62	56.01
19	59.36	57.66	55.54	55.33	52.08	50.79	53.17	e55.3	55.80	55.89	55.44	55.62
20	59.36	56.00	55.43	55.38	51.94	50.71	53.25	e55.3	55.77	55.88	55.63	55.18
21	59.57	57.94	55.33	55.18	51.29	50.92	53.30	e55.3	56.05	55.77	55.61	54.94
22	59.37	57.88	55.27	55.10	51.68	51.16	53.42	e55.3	56.28	55.78	55.78	55.54
23	59.09	57.98	55.60	55.06	51.64	51.02	53.62	e55.3	56.15	54.42	55.64	55.88
24	59.52	57.67	55.95	54.87	51.63	50.99	53.72	e55.3	56.06	55.72	55.52	55.79
25	59.56	57.52	56.27	55.07	49.68	51.02	54.11	e55.3	56.00	55.67	55.70	55.94
26	59.25	57.50	55.98	55.23	50.12	51.21	54.22	e55.3	55.98	55.58	55.88	54.22
27	59.06	57.33	55.83	55.13	49.23	51.18	e54.4	56.19	55.86	55.81	55.93	55.45
28	59.37	57.50	55.95	54.57	50.28	51.18	e54.4	56.16	55.91	55.77	56.12	55.17
29	59.24	.....	55.87	54.22	50.29	51.37	e54.4	56.12	56.03	55.91	56.05	55.22
30	58.89	.....	55.62	53.63	50.24	51.49	54.49	56.17	56.16	55.92	55.95	55.64
31	58.80	.....	55.39	.....	50.22	.....	e55.3	56.25	.....	55.88	.....	55.87

e Estimated.

Wb-96. Town of Cotton Valley. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, T. 21 N., R. 10 W. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 183 feet, screen 165-183. Highest water level 20.82 below lsd, Dec. 21, 1948; lowest 31.71 below lsd, Nov. 30, 1950. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	27.00	June 4	23.53	Aug. 27	24.94	Nov. 18	26.35
Apr. 22	25.60	July 30	24.49	Oct. 15	26.07	Dec. 17	26.54

West Baton Rouge Parish

WBR-5. Town of Port Allen. Sec. 66, T. 7 S., R. 12 E. Drilled artesian public-supply well in sand of Pleistocene age, diameter 8 inches, depth 1,338 feet. Highest water level 36.1 above lsd, June 21, 1943; lowest 13.3 above lsd, Feb. 3, 1947. Records available: 1943-47, 1949-50. No measurement made in 1953.

Winn Parish

W-2. Town of Winnfield. Drilled public-supply artesian well in Sparta sand, diameter 8 inches, depth 278 feet. Highest water level 29.43 below lsd, June 8, 1950; lowest 42.64 below lsd, July 31, 1953. Records available: 1949-53.

Mar. 6	34.47	June 4	38.19	Aug. 28	41.67	Nov. 19	39.04
Apr. 23	35.67	July 31	42.64	Oct. 16	40.34	Dec. 18	38.44

OKLAHOMA

By Lee C. Burton

Scope of Water-Level Program

The observation-well program in Oklahoma, begun in 1934, was continued through 1953 with the cooperation of State agencies. Most of the work was done in cooperation with the Oklahoma Geological Survey and the Oklahoma Planning and Resources Board. The Department of Agronomy of the Oklahoma Agricultural and Mechanical College made measurements in observation wells in Stillwater Creek basin, Payne County. Water-level measurements in an irrigation well at the Southwestern Cotton Substation, near Tipton, Tillman County, were made with the cooperation of the Oklahoma Agricultural and Mechanical College and the United States Department of Agriculture. In 1953 measurements were made in 301 observation wells in Oklahoma. Recording gages were operated throughout the year in 6 wells and for shorter periods of time in 2 wells. Figures 9, 10, 11, 12, and 13 show the location of observation wells in Oklahoma.

A report on ground-water resources of the terrace deposits along the northeast side of the Cimarron River in Alfalfa, Garfield, Kingfisher, and Major Counties, by Edwin W. Reed, Joe L. Mogg, Joseph E. Barclay, and George H. Peden, was published in mimeographed form by the Oklahoma Planning and Resources Board. Reports on ground-water resources in terrace deposits of central Beckham County, by Lee C. Burton, and on ground-water resources of Ottawa County, by Edwin W. Reed and Stuart L. Schoff, were released in typewritten form.

Precipitation

The annual precipitation for 1953 in counties where observation wells are situated ranged from 12.19 to 46.03 inches. Goodwell, in Texas County, recorded the lowest annual precipitation, 12.19 inches. Along the North Canadian River valley from Oklahoma City upstream to Beaver, the precipitation at five stations in 1953 ranged from 17.64 inches at Beaver to 32.27 inches at El Reno and averaged 23.59 inches; and departures from normal ranged from -9.34 inches at Watonga to +3.58 inches at El Reno. Oklahoma City reported a total annual precipitation of 31.41 inches, and a departure from normal of -1.18 inches. Norman reported a total of 35.26 inches and a departure from normal of +2.04 inches. Western and southwestern Oklahoma received precipitation ranging from 17.19 inches at Hollis to 40.25 inches at Lawton, with departures ranging from -11.69 inches at Clinton to +9.31 inches at Lawton. In southeastern Oklahoma, annual precipitation was reported as 46.03 inches at Hugo and 43.39 inches at Idabel, with departures from normal of +1.53 inches and -0.85 inch, respectively.

Annual precipitation and departure from normal
at selected stations in Oklahoma, 1953

Station	Total precipitation	Departure	Station	Total precipitation	Departure
Altus	20.41	-5.08	Hollis	17.19	-7.15
Arnett	21.29	-2.36	Hugo	46.03	1.53
Beaver	17.64	-1.72	Idabel	43.39	-.85
Carnegie	29.14	.48	Lawton	40.25	9.31
Cheyenne	19.84	-5.98	Mangum	21.68	-4.29
Chickasha	30.36	-.45	Norman	35.26	2.04
Clinton	17.55	-11.69	Oklahoma City	31.41	-1.18
Cloud Chief	27.10	-.73	Ponca City	25.73	-4.22
El Reno	32.27	3.58	Purcell	38.42	3.53
Enid	25.82	-4.00	Sayre	19.11	-3.96
Frederick	24.79	-2.58	Stillwater	32.71	-.64
Goodwell	12.19	-4.75	Watonga	18.67	-9.24
Hennessey	28.58	.25	Woodward	17.97	-7.10
Hobart	21.99	-5.38			



Figure 9. --Location of observation wells in the Oklahoma Panhandle, 1953.

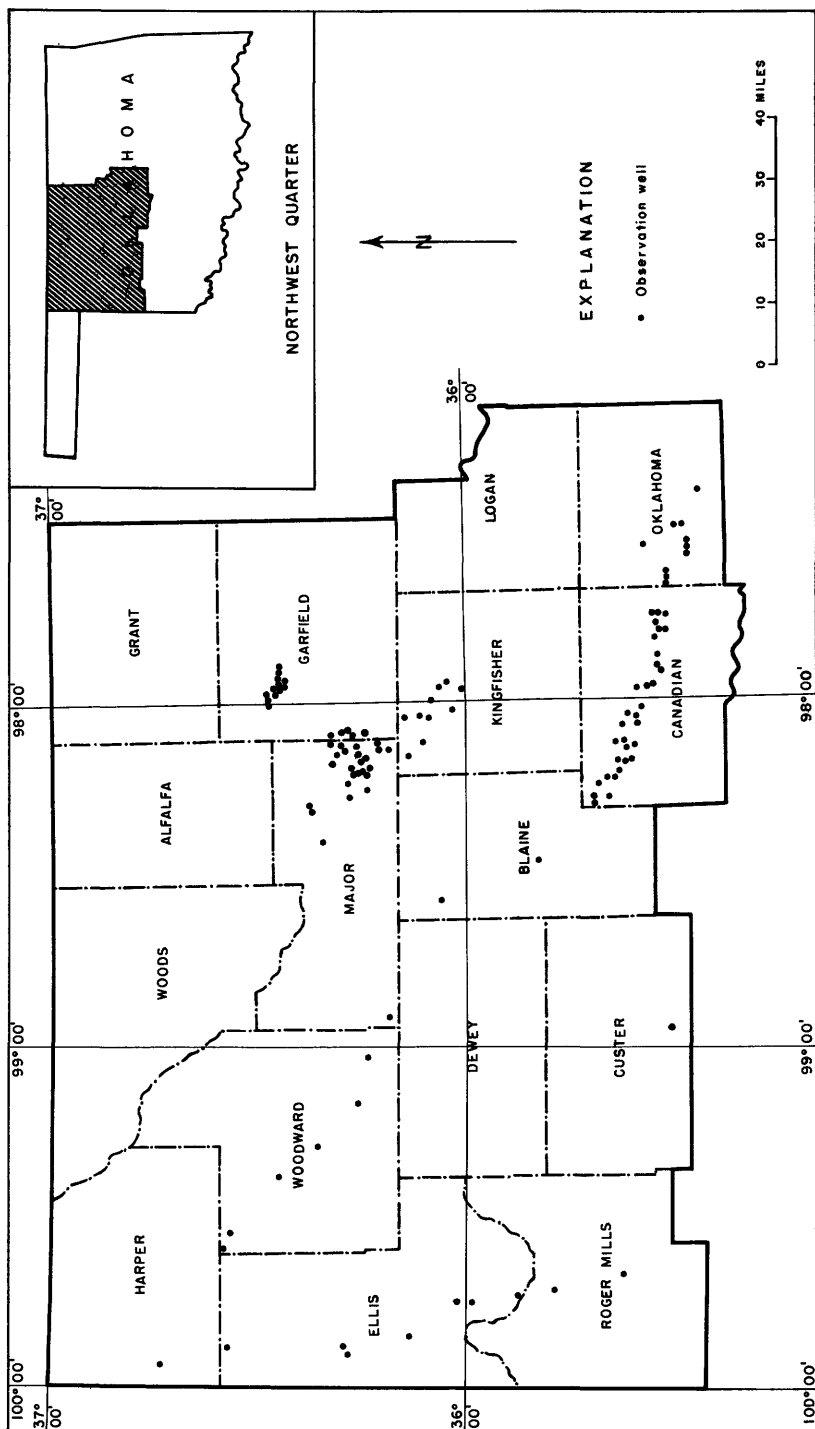


Figure 10. --Location of observation wells in northwestern Oklahoma, 1953.

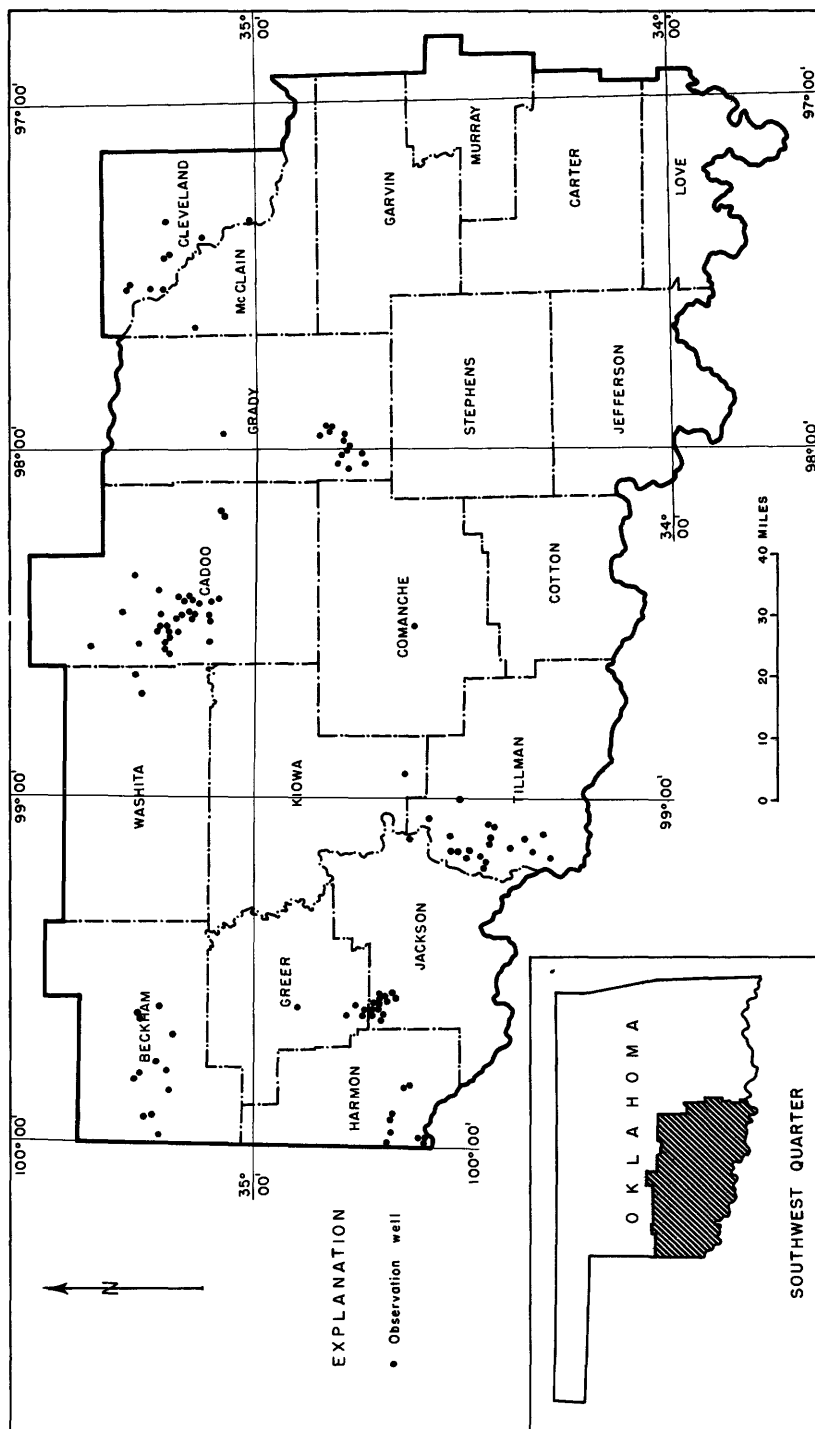


Figure 11. ---Location of observation wells in southwestern Oklahoma, 1953.

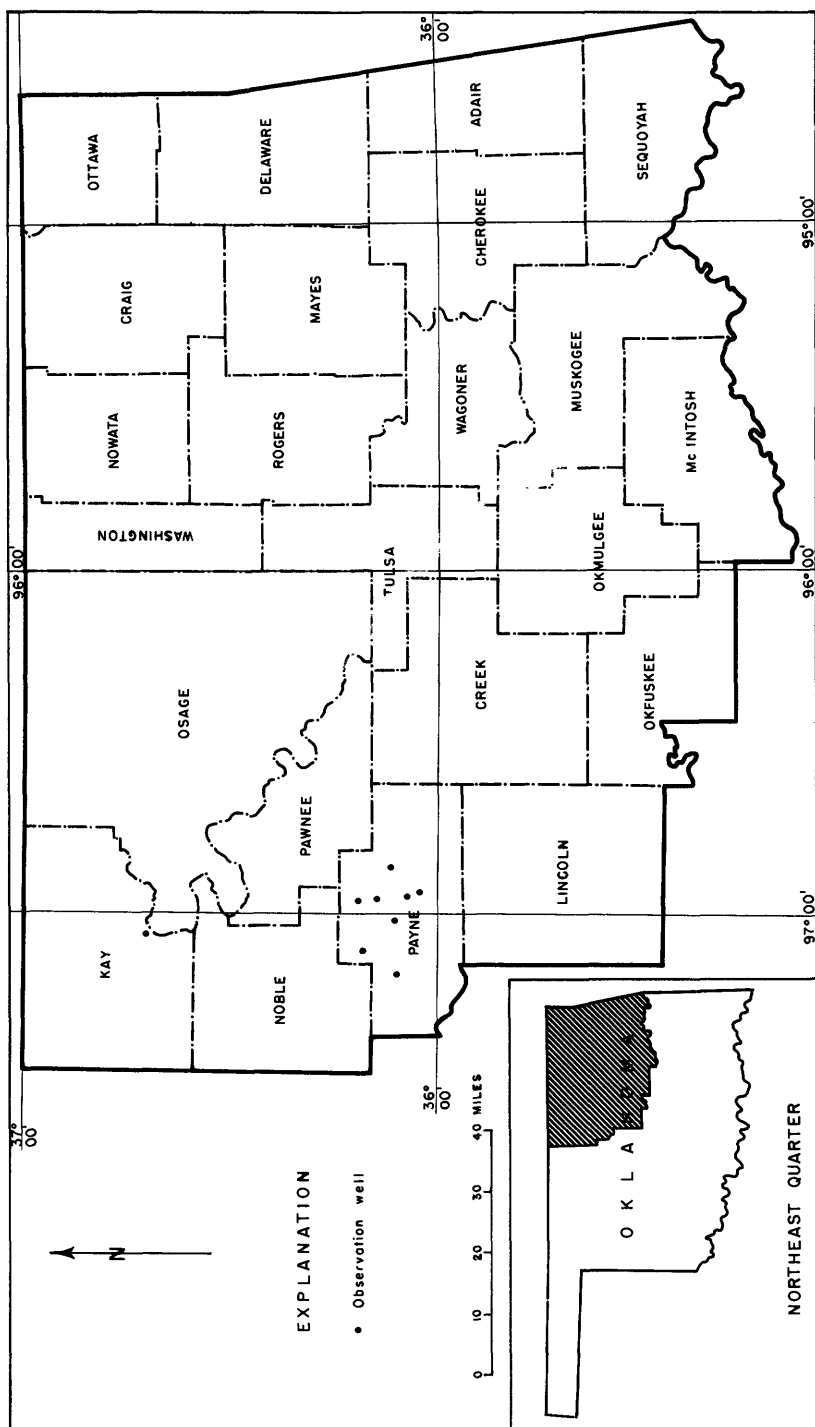


Figure 12. --Location of observation wells in northeastern Oklahoma, 1953.

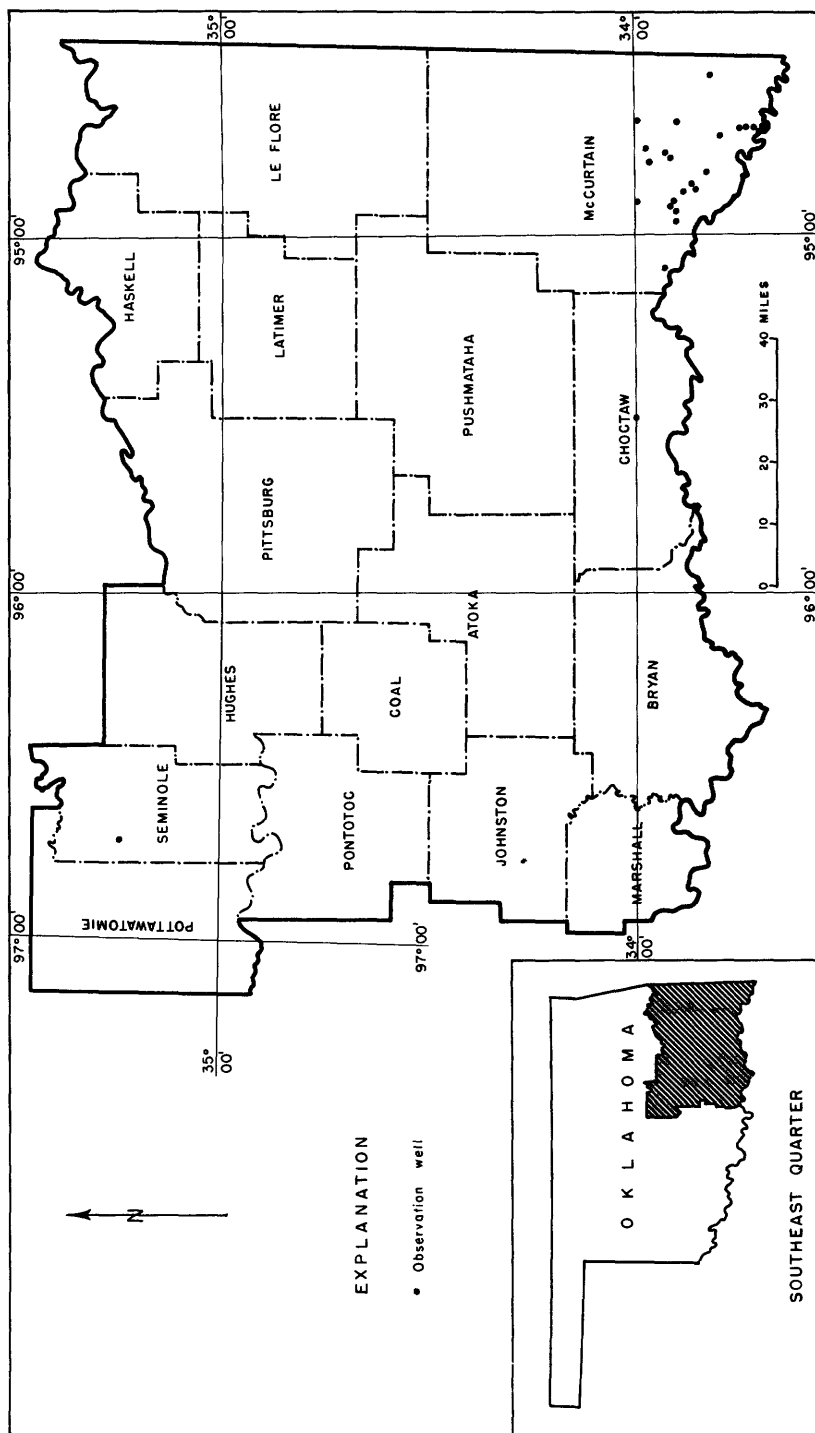


Figure 13. -- Location of observation wells in southeastern Oklahoma, 1953.

Pumpage

Records furnished by the Southwestern Public Service Company show that 0.29 percent less ground water was pumped in 1953 than in 1952 to meet the water needs of 7 towns in the Panhandle. The greatest decrease was 18 percent at Felt. Other decreases, expressed in percentage, were Guymon 4 and Forgan 0.6. These decreases were very nearly offset by increases at the other towns, which in percentage were: Keyes, 41.5; Boise City, 4.8; Texhoma, 2.5; and Beaver, 0.25. Hooker, Goodwell, and Tyrone have municipally owned water systems for which detailed records of pumpage are not available. The quantity of ground water pumped for irrigation and other uses by the Panhandle Agricultural and Mechanical College, Goodwell, was about 10 percent greater than in 1952. Under the impetus of hot dry weather, irrigation pumpage increased substantially not only in the Panhandle, but also in other irrigated areas, notably Tillman, Harmon, Jackson, and Greer Counties.

Interpretation of Water-Level Fluctuations

Vamoosa formation. --The Skelly Gas Corporation well in Seminole County taps water in sandstones of the Vamoosa formation. The water level in this well has been rising since the beginning of record in 1948 (fig. 14), and by the end of 1953 the net rise was 18.52 feet. The highest water level for 1953 and for the entire period of record was reached on December 2. The lowest water level for the year was recorded on July 10. The net annual change from December 1952 to December 1953 was a rise of 4.18 feet.

Stillwater Creek basin. --Water-level measurements were made in 8 observation wells in the Stillwater Creek basin, Payne County, near the end of each month. The average range of water-level fluctuations in 1953 was 1.30 foot, and the average net change in water level from December 1952 to December 1953 was a decline of 0.03 foot.

Garber sandstone and Wellington formation. --Water-level measurements were made in 10 wells in the Garber sandstone and Wellington formation of Oklahoma and Cleveland Counties. These measurements showed a net decline in 6 wells and a net rise in 4 wells between December 1952 and December 1953. The range in fluctuation was so much greater in some wells than in others that averages are misleading. Oklahoma County wells 3 and 4 and Cleveland County wells 5 and 10 showed rises ranging from 0.61 foot to 14.08 feet; and Oklahoma County wells 1 and 2 and Cleveland County wells 4, 8, 11, and 12 showed declines ranging from 1.23 to 17.00 feet.

Southwestern irrigation area. --In the irrigation area of southwestern Oklahoma the general trend of ground-water levels was downward in 1953. Precipitation was low, recharge to the aquifer was correspondingly low, and the withdrawal of ground water for irrigation was increased. Of the wells measured in March 1952 and again in March 1953, 16 showed declines ranging from 0.86 foot to 9.19 feet, and 2 showed rises of 2.29 feet and 4.16 feet. Two wells measured in February 1952 and again in March 1953 showed declines of 1.61 and 15.48 feet. Of 4 wells measured in February 1952 and again in November 1953, 3 showed declines ranging from 0.20 foot to 11.74 feet, and 1 showed a rise of 1.10 feet.

Rush Springs sandstone. --Water-level measurements were made weekly or monthly in 33 wells tapping the Rush Springs sandstone of Grady, Caddo, and Washita Counties, and recording gages were operated in 2 wells (Caddo 14 and Grady 66). Between January and December 1953, 14 wells showed net declines ranging from 0.02 foot to 4.64 feet, and 9 wells showed net rises ranging from 0.02 foot to 1.05 feet. Measurements in the remaining 10 wells, 8 in Caddo County and 2 in Washita County, were discontinued after July. During the first 7 months of the year the water levels rose in 4 of these wells by amounts ranging from 0.33 foot to 4.87 feet, and in 6 they declined by amounts ranging from 0.07 to 0.88 foot. The recording gage on Grady County well 66 showed a net decline of 1.03 feet for the year, and the gage on Caddo County well 14 showed a decline of 0.51 foot from January until August, when it was removed. Tape measurements thereafter showed a further decline of 0.29 foot.

Cretaceous. --Water-level fluctuations were observed in 15 wells tapping water-bearing beds of Cretaceous age in southern McCurtain County. These measurements showed declines in water level between January and December 1953 ranging from 0.02 foot to 11.72 feet. These declines were different in different aquifers: 4 wells in the Trinity group had net declines ranging from 0.02 to 0.96 foot, and 3 wells went dry after declines of 2.85, 3.50, and 8.97 feet; 7 wells in the Woodbine and Tokio formations had net declines in water level ranging from 4.19 to 11.72 feet, and 1 well went dry after a decline of 7.82 feet.

Oklahoma Panhandle. --Annual measurements of the water levels were taken in May 1953 in the Oklahoma Panhandle (Beaver, Cimarron, and Texas Counties) and they showed an average rise of 0.70 foot over the record high level of May 1952 and a rise of 6.90 feet above the lowest average level, recorded in November 1938. For the year May 1952 to May 1953, the average change in water level for Beaver County was a drop of 0.19 foot, for Cimarron County a rise of 1.26 feet, and for Texas County a rise of 0.04 foot. In the following tables the wells are grouped according to counties and aquifers, and comparisons are made between water levels in 1951 and 1952.

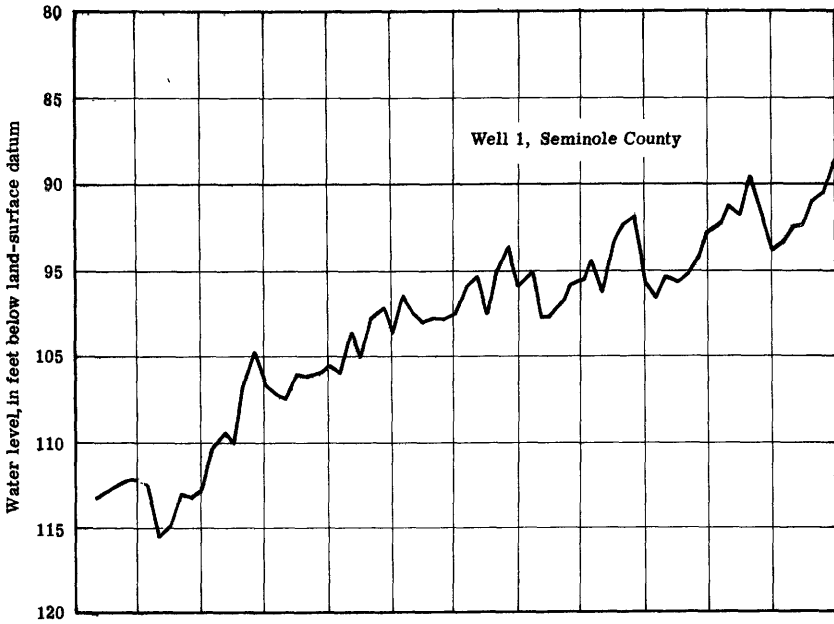


Figure 14. --Change in water level in well 1, Seminole County, Okla. , 1948-53.

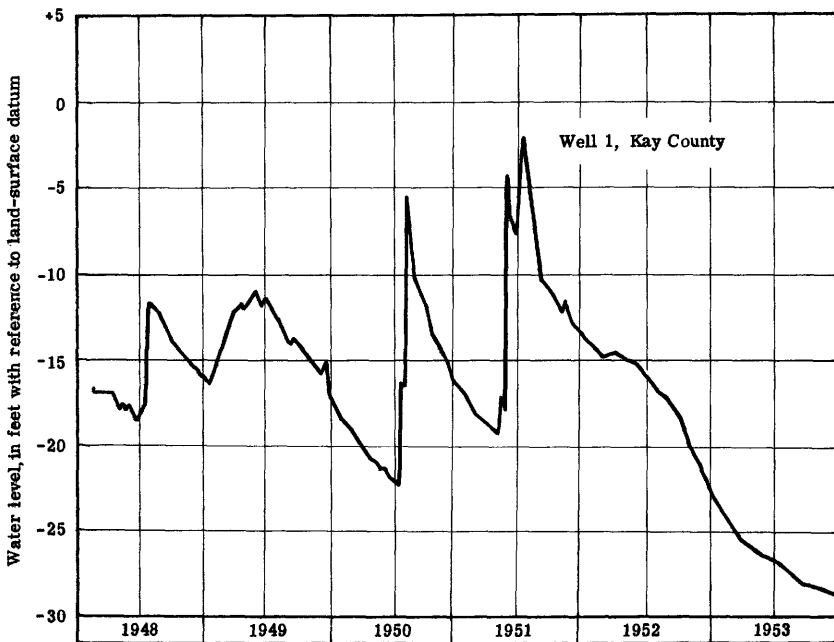


Figure 15. --Change in water level in well 1, Kay County, Okla. , 1948-53.

Average water levels in groups of wells in Oklahoma Panhandle
in feet above assumed datum planes, 1952-53

Date	Beaver County			Cimarron County			Texas County	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
May 1952	109.67	*104.15	103.16	105.80	101.32	107.02	*100.80	100.97
May 1953	*110.08	102.90	101.76	*107.33	100.13	*107.08	100.66	100.62

* Highest observed during period of record.

1. In northwestern part of Beaver County in Ogallala formation.
2. In southeastern part of Beaver County, principally in red beds of Permian age.
3. In alluvium.
4. On the uplands in Ogallala formation, and locally in Dakota sandstone.
5. In alluvium.
6. On uplands in Ogallala formation.
7. Well 294 in red beds of Triassic age.
8. In alluvium.

Weighted average of water levels in wells in Panhandle Counties,
in feet above assumed datum planes, 1952-53

Date	Beaver	Cimarron	Texas	Averages
	(1)	(2)	(3)	(4)
May 1952	*107.64	105.35	106.59	106.52
May 1953	107.45	*106.61	*106.63	*106.90

* Highest observed during the period of record.

1. Wells in northwestern part of county represent 65 percent of the total area; wells in southeastern part, 25 percent; and wells in alluvium, 10 percent.
2. Upland wells in Ogallala formation and Dakota sandstone represent 93 percent of total area; and wells in alluvium, 10 percent.
3. Upland wells in Ogallala formation represent 93 percent; wells in alluvium, 5 percent; and wells in red beds of Triassic age, 2 percent.
4. Arithmetical average of the three weighted county averages.

Terrace deposits. --Oklahoma County wells 10, 11, and 12 tap water in terrace deposits from which water is pumped for industrial and domestic purposes. During 1953 Oklahoma County well 10 showed a rise in water level of 0.29 foot between January and December. The rise was a continuation of an upward trend begun in early 1951. Well 12, about 1 mile west of Oklahoma well 10, showed a net decline in water level of 0.74 foot. Well 11, about halfway between wells 10 and 12, was destroyed in August, at which time the water level had declined 0.21 foot since the beginning of the year. From 1945, the beginning of the record for this well, to the end of August 1953, there was a net decline of 4.31 feet in the water level. Cleveland County well 1, a shallow dug well on a high terrace of the Canadian River, reflects the natural change of the water table due to precipitation, evaporation, and transpiration. The terrace deposit is thin and of small extent, and pumping of ground water from it is negligible. Measurements showed a net rise of 1.73 feet between December 1952 and December 1953. The water level reached its highest stage for the year on July 23, and its lowest on February 26. Water-level measurements in the irrigation well at the Southwestern Cotton Substation, Tillman County, showed a decline of 1.04 feet in water level between January and December 1953. The highest level for the year was recorded on April 6, and the lowest on August 17. Monthly measurements begun in June 1953 in 16 other wells in the western third of Tillman County showed a net average rise of 0.12 foot by the end of the year. This was only about one-sixth as much as the rise that occurred at the Substation in the same half year. Monthly water-level measurements made in 9 observation wells in the terrace deposits along the North Fork of the Red River in central Beckham County showed declines in water level from January to December 1953 ranging from 0.50 foot to 2.86 feet. Records of daily low levels from an automatic recording gage on Beckham County well 52 showed a net decline of 0.95 foot between April 1 and December 31, 1953. Water-level measurements were made monthly in 33 observation wells tapping the terrace deposits of Major, Garfield, and Kingfisher Counties. Taken near the end of each month, these showed a decline in 19 wells ranging from 0.01 foot to 1.53 feet; and a rise in 14 wells ranging from 0.02 foot to 1.97 feet. This was an average net decline of 0.15 foot for 1953. Daily records from a recording gage on Major County well 4 showed a net decline of 0.91 foot in water level between January 1 and December 31, 1953.

Alluvium. --Water-level fluctuations in the alluvium of the Red River were observed in McCurtain County wells 15, 26, 27, 28, and 29. They showed an average net decline in water level from January to December 1953 of 1.90 feet. The highest average water level occurred in

June and the lowest in November, with an average range in fluctuation of 5.07 feet. Measurements of water level were made in 3 observation wells in the alluvium of the North Fork of the Red River: Jackson County well 1, and Beckham County wells 2 and 53. The water level in Jackson County 1 dropped 0.37 foot between March 1952 and March 1953 and 0.12 foot between March and October 1953. The records for Beckham County well 2 showed a decline of 0.07 foot in water level between the first part of January and the first part of March 1953, and a rise of 0.07 foot between the first part of March and the first part of April. Thus the net change for the first 3 months was zero. In Beckham County 53 the water level declined 1.23 feet between June 1953, when the record began, and the end of the year. Fluctuations of water level in the alluvium of the Washita River were observed in Caddo County wells 2 and 3, Grady County well 76, and Roger Mills County well 1. The water level in Roger Mills County well 1 showed a net rise of 0.34 foot from October 1952 to October 1953, and the water level in Grady County well 76 in the same period rose 0.92 foot. The 2 wells in Caddo County were not measured in October in both 1952 and 1953, and water levels in other months must therefore be used for comparison. Caddo County well 2 showed a net rise in water level of 1.92 feet from August 1952 to October 1953, while Caddo County well 3 showed a net decline of 0.85 foot from October 1952 to August 1953.

Measurements made weekly in Kay County well 1, which taps water in the alluvium of the Arkansas River, showed a net decline of 6.08 feet in water level from January to December 1953. The highest water level occurred on January 1 and the lowest on December 30. The level on December 30 was the lowest recorded for the 6-year period of observation (fig. 15). Water-level fluctuations in the alluvium of the Canadian River were observed in Canadian County well G-53, and Cleveland County wells 14 and 15. In these wells the net change in water level from January to December 1953 was an average rise of 1.32 feet. All-time low water levels were recorded in Cleveland County wells 14 and 15 on June 30 and September 28, respectively, and in Canadian County well G-53 on September 24. Measurements made in 37 wells in the alluvium of the North Canadian River showed an average net decline in water level of 0.67 foot from October 1952 to October 1953. The wells are unevenly distributed from Oklahoma City to Beaver, and in averaging the water levels, the measurements were weighted according to the length of the valley segment represented by each well, or group of wells. In Canadian County, which represents about 65 percent of the wells but only about 20 percent of the area, an average net decline of 4.46 feet was recorded; and in Oklahoma County 3 wells showed an average net decline of 4.84 feet. Blaine County well 1 showed a rise of 1.48 feet. Wells in Woodward and Beaver Counties showed average rises of 1.76 feet and 0.07 foot, respectively. Wells at intermediate locations, in Blaine, Major, and Harper Counties, showed declines ranging from 0.01 to 1.00 foot. Thus it appears that local conditions, rather than regional conditions, governed the water-level fluctuations.

Well-Numbering System

All wells listed in this report are numbered serially by counties.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Beaver County

253. U. S. Geol. Survey. $SE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$ sec. 13, T. 2 N., R. 23 E. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,582.3 feet above msl. Highest water level 7.42 below lsd, May 27, 1953; lowest 9.11 below lsd, May 18, 1948. Records available: 1946-53. May 27, 7.42.

275. James W. Parker. $SE\frac{1}{4}SW\frac{1}{4}SW\frac{1}{4}$ sec. 7, T. 2 N., R. 24 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 94 feet. Highest water level 75.29 below lsd, May 19, 1952; lowest 76.75 below lsd, May 15, 1946. Records available: 1946-53. May 27, 75.49.

417. Ralph Ridgeway. $SW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ sec. 11, T. 3 N., R. 25 E. Dug stock water-table well in alluvium, diameter 6 inches, depth 18 feet. Land-surface datum is 2,446 feet above msl. Highest water level 7.76 below lsd, May 19, 1952; lowest 13.17 below lsd, Jan. 28, 1941. Records available: 1938-42, 1944-53. May 27, 9.33.

432. George H. Button. $NW\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ sec. 10, T. 3 N., R. 26 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 44 feet. Land-surface datum is 2,369.8 feet above msl. Highest water level 19.80 below lsd, May 19, 1952; lowest 29.59 below lsd, Jan. 30, 1940. Records available: 1938-42, 1944-47, 1949, 1952. No measurement made in 1953.

433. Federal Land Bank. $NE\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$ sec. 12, T. 3 N., R. 26 E. Drilled unused water-table well in Laverne formation, diameter 5 inches, depth 47 feet. Land-surface datum is 2,355.8 feet above msl. Highest water level 35.65 below lsd, May 19, 1952; lowest 40.30 below lsd, Jan. 28, 1941. Records available: 1938-53. May 27, 35.99.

518. Peter Sanders Estate. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 4 N., R. 23 E. Drilled stock water-table well in rocks of Permian age, diameter 5 inches, depth 74 feet. Land-surface datum is 2,545 feet above msl. Highest water level 35.06 below lsd, May 19, 1950; lowest 39.76 below lsd, Sept. 22, 1940. Records available: 1938-41, 1943-44, 1946, 1948, 1950, 1952-53. May 27, 35.70.

523. Frances M. Hancock. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 4 N., R. 24 E. Drilled stock water-table well in alluvium, diameter 4 inches, depth 34 feet. Land-surface datum is 2,378.3 feet above msl. Highest water level 21.01 below lsd, Oct. 28, 1941; lowest 23.73 below lsd, Sept. 22, 1940. Records available: 1938-46, 1948-53. May 27, 22.53.

527. Mrs. Ellen F. Williams. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 4 N., R. 24 E. Drilled stock water-table well in rocks of Permian age, diameter 4 inches, depth 73 feet. Land-surface datum is 2,493.1 feet above msl. Highest water level 41.76 below lsd, May 8, 1951; lowest 47.19 below lsd, May 21, 1940. Records available: 1938-51. No measurement made in 1953.

528. Southwestern Public Service Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 4 N., R. 24 E. Dug unused water-table well in alluvium, diameter 16 to 2 feet, depth 34 feet, cased to 34. Highest water level 2.98 below lsd, June 24, 1949; lowest 15.86 below lsd, Sept. 23, 1940. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	14.07	Apr. 3	13.41	July 3	14.94	Oct. 2	14.07
9	13.98	10	13.42	10	15.05	9	14.51
16	13.86	17	13.51	17	14.92	16	14.65
23	13.82	24	13.44	24	9.92	23	14.61
30	13.80	May 1	13.48	31	12.53	30	14.57
Feb. 5	13.74	8	13.51	Aug. 7	14.03	Nov. 6	14.49
12	13.65	15	13.61	14	13.78	13	14.40
19	13.57	22	13.76	21	13.82	20	14.34
26	13.48	29	13.82	28	13.92	27	14.28
Mar. 6	13.38	June 5	13.82	Sept. 4	10.65	Dec. 4	14.19
13	13.34	12	14.40	11	14.28	11	14.17
20	13.30	19	14.38	18	13.90	18	14.09
27	13.40	25	14.59	25	13.78	25	14.03

576. J. C. Peters. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T. 5 N., R. 20 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 171 feet. Land-surface datum is 2,773.5 feet above msl. Highest water level 183.74 below lsd, May 27, 1953; lowest 160.04 below lsd, Apr. 3, 1939. Records available: 1938-53. May 27, 147.74.

591. A. J. Isaac. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 5 N., R. 21 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 208 feet. Land-surface datum is 2,705.2 feet above msl. Highest water level 183.10 below lsd, May 20, 1952; lowest 192.41 below lsd, Nov. 26 1938. Records available: 1938-53. May 27, 184.77.

612. Clarence Lamaster. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 4 N., R. 28 E. Drilled unused water-table well in alluvium, diameter 15 inches, depth 35 feet. Highest water level 7.65 below lsd, Nov. 28, 1941; lowest 14.42 below lsd, Oct. 30, 1953. Records available: 1941-53. May 3, 13.22; May 27, 13.41; July 26, 14.25; Oct. 30, 14.42.

613. T. J. Trew. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 5 N., R. 22 E. Drilled unused water-table well in Ogallala formation, depth 84 feet. Land-surface datum is 2,574.9 feet above msl. Highest water level 50.48 below lsd, May 20, 1952; lowest 66.80 below lsd, Jan. 27, 1940. Records available: 1938-53. May 27, 50.99.

617. Minnie B. Dorman and others. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 5 N., R. 22 E. Drilled unused water-table well in Ogallala formation, depth 186 feet. Land-surface datum is 2,678.1 feet above msl. Highest water level 163.53 below lsd, May 27, 1953; lowest 169.44 below lsd, Nov. 20 1938. Records available: 1938-53. May 27, 163.53.

647. Gilbert Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 5 N., R. 24 E. Drilled unused water-table well in rocks of Quaternary age, diameter 5 inches, depth 72 feet. Land-surface datum is 2,530.7 feet above msl. Highest water level 43.41 below lsd, May 27, 1953; lowest 52.79 below lsd, Jan. 27, 1941. Records available: 1938-53. May 27, 43.41.

649. Arthur Williams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 5 N., R. 24 E. Dug unused water-table well in rocks of Quaternary age, diameter 6 inches, depth 16 feet. Land-surface datum is 2,474.7 feet above msl. Highest water level 4.05 below lsd, Apr. 22, 1942; lowest 9.48 below lsd, Sept. 23, 1939. Records available: 1938-53. May 27, 6.11.

767. Robert F. LeCrone. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 6 N., R. 23 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 197 feet. Land-surface datum is 2,545.2 feet above msl. Highest water level 58.91 below lsd, May 19, 1950; lowest 77.08 below lsd, Nov. 26, 1938. Records available: 1938-53. May 27, 63.40.

777. Harry McAdams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 6 N., R. 24 E. Drilled unused water-table well in rocks of Quaternary age, diameter 4 inches, depth 36 feet. Land-surface datum is 2,448.9 feet above msl. Highest water level 12.57 below lsd, May 19, 1950; lowest 30.62 below lsd, Jan. 27, 1941. Records available: 1938-53. May 27, 17.41.

Beckham County

2. Yandell. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 9 N., R. 23 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 14 feet. Highest water level 11.41 below lsd, June 3, 1952; lowest 14.47 below lsd, Oct. 2, 1952, Mar. 2, 1953. Records available: 1952-53. Jan. 2, 14.40; Feb. 3, 14.44; Mar. 2, 14.47; Apr. 2, 14.40. Measurement discontinued.

5. William Heirs. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 9 N., R. 23 W. Drilled unused water-table well in terrace deposit, diameter 4 inches, depth 75 feet. Highest water level 61.95 below lsd, Apr. 9, 1952; lowest 66.36 below lsd, Dec. 7, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	65.69	Apr. 2	65.84	July 2	66.03	Sept. 30	66.30
Feb. 3	65.77	30	65.79	Aug. 3	65.91	Nov. 2	66.25
Mar. 2	65.74	June 2	65.93	Sept. 2	66.10	Dec. 7	66.36

10. Mrs. C. E. Waters. SE. cor. sec. 2, T. 8 N., R. 24 W. Dug unused water-table well in terrace deposit, diameter 6 feet. Highest water level 16.70 below lsd, Mar. 3, 1952; lowest 22.03 below lsd, July 2, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	20.28	Apr. 2	20.69	July 2	22.03	Sept. 30	21.32
Feb. 3	20.39	30	19.89	Aug. 3	21.56	Nov. 2	21.28
Mar. 2	20.49	June 2	21.38	Sept. 2	20.67	Dec. 7	20.78

12. D. M. Elms. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 9 N., R. 25 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 47 feet. Highest water level 28.16 below lsd, Dec. 13, 1951; lowest 35.18 below lsd, Sept. 30, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	33.15	Apr. 2	33.57	July 2	34.72	Sept. 30	35.18
Feb. 3	33.25	30	33.44	Aug. 3	34.74	Nov. 2	34.83
Mar. 2	33.29	June 2	34.05	Sept. 2	34.27	Dec. 7	34.62

14. School land. O. H. Crosby, tenant. NE. cor. sec. 30, T. 9 N., R. 24 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 66 feet. Highest water level 59.72 below lsd, May 6, 1952; lowest 62.16 below lsd, Nov. 3, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	61.34	Apr. 2	61.16	July 2	61.58	Oct. 1	62.12
Feb. 3	61.25	30	61.04	Aug. 4	61.89	Nov. 3	62.16
Mar. 3	61.00	June 2	61.47	Sept. 3	61.79	Dec. 8	61.96

28. James E. Roberts. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 8 N., R. 25 W. Dug unused water-table well in terrace deposit, diameter 36 inches, reported depth 40 feet. Highest water level 15.31 below lsd, June 4, 1952; lowest 18.32 below lsd, June 2, 1953. Records available: 1952-53. Jan. 2, 18.10; Feb. 3, 18.08; Mar. 3, 18.19; Apr. 2, 18.24; Apr. 30, 18.21; June 2, 18.32. Measurement discontinued.

40. U. S. Geol. Survey. NE. cor. sec. 3, T. 9 N., R. 25 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{2}$ inches, depth 40 feet, cased to 40. Highest water level 14.91 below lsd, Dec. 3, 1951; lowest 17.23 below lsd, Oct. 1, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.16	Apr. 2	16.20	July 2	16.77	Oct. 1	17.23
Feb. 3	16.15	May 1	16.18	Aug. 4	16.96	Nov. 3	17.12
Mar. 3	16.10	June 2	16.48	Sept. 3	17.04	Dec. 8	17.00

43. L. D. McDermott. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 9 N., R. 26 W. Drilled unused water-table well in terrace deposit, diameter 3 inches, depth 44 feet, cased to 44. Highest water level 15.42 below lsd, Nov. 7, 1951; lowest 17.23 below lsd, Oct. 1, 1953. Records available: 1951-53. Measurement discontinued.

43--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.58	Apr. 2	16.62	July 2	16.82	Sept. 3	17.06
Feb. 3	16.58	May 1	16.48	Aug. 4	16.93	Oct. 1	17.23
Mar. 3	16.40	June 2	16.78				

45. Della Vann James. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, T. 9 N., R. 26 W. Drilled unused water-table well in terrace deposit, diameter 5 inches, depth 58 feet, cased to 58. Highest water level 44.51 below lsd, Nov. 8, 1951; lowest 49.57 below lsd, Dec. 8, 1953. Records available: 1951-53.

Jan. 3	46.71	Apr. 2	46.70	July 2	47.27	Oct. 1	48.08
Feb. 3	46.64	May 1	46.98	Aug. 4	47.72	Nov. 3	48.14
Mar. 3	46.64	June 2	47.19	Sept. 3	47.78	Dec. 8	49.57

48. C. M. Ballew. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 9 N., R. 26 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 33 feet, cased to 33. Highest water level 18.94 below lsd, Nov. 6, 1951; lowest 22.36 below lsd, Dec. 8, 1953. Records available: 1951-53.

Jan. 2	20.80	Apr. 2	21.38	July 2	21.76	Sept. 30	22.08
Feb. 3	21.08	30	21.48	Aug. 3	21.84	Nov. 3	22.12
Mar. 2	21.15	June 2	21.66	Sept. 3	21.93	Dec. 8	22.36

52. Clarence Murray. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 9 N., R. 25 W. Drilled unused water-table well in terrace deposit, diameter 7 inches, depth 109 feet. Highest water level 38.49 below lsd, Dec. 3, 1953; lowest 40.20 below lsd, Dec. 16, 1953. Records available: 1953.

Daily lowest water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	h39.13	39.26	39.42	39.51	.....	.....	39.90	.....	39.82
2	39.21	39.34	39.41	39.41	.....	.....	39.83	.....	39.64
3	39.30	39.41	39.30	39.47	.....	.....	39.95	.....	39.81
4	39.19	39.42	39.22	39.48	.....	.....	39.99	.....	39.81
5	39.03	39.39	39.27	39.51	.....	.....	39.93	.....	39.98
6	39.01	39.31	39.41	39.52	.....	.....	39.97	.....	40.02
7	38.93	39.16	39.36	39.52	.....	.....	39.92	.....	39.89
8	39.11	39.15	39.33	39.59	.....	.....	39.84	.....	39.98
9	39.27	39.04	39.48	39.63	.....	.....	39.85	.....	40.04
10	39.28	39.16	39.56	39.67	.....	.....	39.79	.....	39.94
11	39.23	39.16	39.54	39.49	39.78	.....	39.78	39.87	40.08
12	39.28	39.44	39.51	39.48	39.83	.....	39.87	39.90	40.10
13	39.25	39.47	39.42	39.48	39.72	.....	39.93	39.87	40.09
14	39.08	39.40	39.30	39.46	39.66	.....	39.92	39.85	40.12
15	39.35	39.15	39.28	39.49	39.64	.....	39.95	39.76	40.06
16	39.35	39.15	39.48	39.49	39.64	.....	39.89	39.76	40.20
17	39.21	39.26	39.49	39.54	39.70	.....	39.89	39.71	40.08
18	.....	39.30	39.41	39.55	39.72	.....	39.91	39.66	40.08
19	39.51	39.27	39.33	39.49	39.73	.....	39.88	39.68	39.90
20	39.40	39.18	39.50	39.48	39.72	.....	39.91	39.78	39.80
21	39.10	39.19	39.54	39.54	39.72	.....	39.89	39.66	39.95
22	.....	39.33	39.54	39.63	39.72	.....	39.98	39.86	.....
23	.....	39.28	39.55	39.64	39.67	.....	40.00	39.68	40.10
24	.....	39.24	39.40	39.58	39.66	39.69	39.89	39.89	40.08
25	.....	39.33	39.50	39.62	39.68	39.74	39.84	40.01	40.00
26	.....	39.39	39.52	39.67	.....	39.67	39.98	39.92	39.92
27	.....	39.43	39.47	.....	.....	39.73	39.90	40.03	39.94
28	.....	39.40	39.56	.....	.....	39.70	39.97	39.99	39.95
29	38.94	39.30	39.59	.....	.....	39.88	39.95	40.00	40.05
30	39.10	39.28	39.59	.....	.....	39.98	.....	39.97	40.13
31	.....	39.33	.....	.....	.....	.....	.....	.....	40.08

* No record for January, February, and March.

h Tape measurement.

53. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 9 N., R. 23 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 24 feet, cased to 24, screen 22-24. Highest water level 17.37 below lsd, Dec. 7, 1953; lowest 18.68 below lsd, Aug. 3, 1953. Records available: 1953. June 24, 18.60; Aug. 3, 18.68; Aug. 24, 18.42; Sept. 2, 18.19; Sept. 30, 18.62; Nov. 2, 18.30; Dec. 7, 17.37.

Blaine County

1. Oklahoma City Water Department observation well E. NE $\frac{1}{4}$ sec. 27, T. 16 N., R. 12 W. Jetted observation water-table well in alluvium, diameter 2 inches, depth 11 feet. Land-surface datum is 1,472.9 feet above msl. Highest water level 0.66 below lsd, Oct. 30, 1941; lowest 7.73 below lsd, Oct. 22, 1943. Records available: 1939-53. May 1, 6.38; July 26, 6.40; Oct. 31, 7.27.

3. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 18 N., R. 13 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 12 feet, cased to 12, screen 10-12. Highest water level 3.44 below lsd, Mar. 19, 1951; lowest 7.57 below lsd, Oct. 31, 1953. Records available: 1951-53. May 3, 6.56; Oct. 31, 7.57.

Caddo County

1. P. C. Haun. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 7 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 64 feet. Highest water level 47.93 below lsd, Mar. 30, 1948; lowest 53.00 below lsd, Nov. 27, 1953. Records available: 1945-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	51.66	Apr. 3	52.07	July 3	52.15	Oct. 3	52.60
10	51.60	10	52.07	10	52.35	9	52.59
17	51.53	17	51.66	17	52.37	16	52.58
24	51.77	24	51.65	24	52.32	23	52.74
31	51.75	May 1	51.86	31	52.36	30	52.65
Feb. 7	51.80	8	51.93	Aug. 7	52.41	Nov. 6	52.88
14	51.63	15	51.92	14	52.40	13	52.76
21	52.05	22	51.98	21	52.45	20	52.66
28	51.61	30	51.97	29	52.40	27	53.00
Mar. 7	51.93	June 5	52.05	Sept. 4	52.57	Dec. 7	52.71
14	51.58	12	52.22	11	52.50	11	52.81
21	51.60	19	52.07	18	52.47	18	52.98
28	51.99	26	52.24	26	52.46	25	52.89

2. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 7 N., R. 12 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 17 feet, cased to 16. Highest water level 4.45 below lsd, June 30, 1951; lowest 15.39 below lsd, Sept. 26, 1953. Records available: 1947-53. June 29, 15.38; July 31, 12.35; Aug. 31, 14.18; Sept. 26, 15.39; Oct. 31, 12.98; Nov. 28, 14.58; Dec. 27, 14.86.

3. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 7 N., R. 13 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 18 feet, cased to 16. Highest water level 1.00 below lsd, May 26, 1951; lowest 17.90 below lsd, Aug. 31, 1953. Records available: 1947-53.

Jan. 30	16.72	Mar. 27	16.63	May 31	16.78	July 30	16.95
Feb. 27	16.68	Apr. 26	16.60	June 29	16.95	Aug. 31	17.90

4. James Avery. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 330 feet, cased to 12. Highest water level 15.12 below lsd, Mar. 24, 1948; lowest 23.05 below lsd, Aug. 19, 1950. Records available: 1948-53.

Jan. 3	19.95	Apr. 3	19.80	July 3	20.21	Oct. 3	20.13
10	19.89	10	19.68	10	20.07	9	20.09
17	19.89	17	19.37	17	20.33	16	20.29
24	20.03	24	19.38	24	19.46	23	20.39
31	20.09	May 1	19.52	31	19.17	30	20.28
Feb. 7	19.92	8	19.40	Aug. 7	19.09	Nov. 6	20.22
14	19.83	15	19.36	14	19.09	13	20.23
21	20.06	22	19.41	21	19.20	20	20.19
28	20.59	31	19.39	29	19.24	27	20.27
Mar. 7	19.90	June 5	19.68	Sept. 4	19.52	Dec. 7	20.07
14	19.70	12	19.83	11	19.60	11	20.04
21	19.70	19	19.94	18	19.80	18	20.01
28	19.75	26	20.05	26	19.97	25	19.95

5. Harvey McAnally. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 9 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 8 inches, depth 29 feet. Highest water level 14.05 below lsd, June 22, 1949; lowest 19.01 below lsd, Dec. 22, 1952. Records available: 1948-53.

5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.86	Apr. 3	16.60	July 3	17.30	Oct. 3	17.69
10	16.71	10	16.19	10	16.87	9	17.58
17	16.64	17	15.03	17	17.38	16	17.50
24	16.74	24	16.31	24	16.78	23	17.42
31	16.61	May 1	16.14	31	16.54	30	17.14
Feb. 7	16.54	8	16.14	Aug. 7	16.59	Nov. 6	16.98
14	16.46	15	16.19	14	16.74	13	16.92
21	16.58	22	16.14	21	16.94	20	16.77
28	16.34	31	16.34	29	16.98	27	16.74
Mar. 7	16.40	June 5	16.62	Sept. 4	16.72	Dec. 7	16.57
14	17.25	12	16.84	11	17.35	11	16.62
21	16.22	19	17.02	18	17.49	18	16.45
28	16.29	26	17.28	26	17.61	25	16.41

7. Clark Mooter. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 9 N., R. 12 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 8 inches, depth 40 feet. Highest water level 12.86 below lsd, Mar. 21, 1953; lowest 17.07 below lsd, Nov. 13, 1953. Records available: 1948-53.

Jan. 3	14.70	Apr. 3	14.29	July 3	15.54	Oct. 3	15.82
10	14.64	10	14.22	10	15.89	9	15.72
17	14.94	17	14.21	17	15.24	16	15.46
24	14.58	24	14.15	24	14.82	23	15.27
31	14.55	May 1	14.29	31	14.89	30	15.09
Feb. 7	14.41	8	14.27	Aug. 7	15.28	Nov. 6	14.97
14	14.46	15	14.22	14	16.68	13	17.07
21	14.66	22	14.34	21	15.16	20	14.78
28	14.38	31	14.47	29	15.33	27	14.72
Mar. 7	13.00	June 5	14.72	Sept. 4	16.27	Dec. 7	14.59
14	14.30	12	14.93	11	15.57	11	14.58
21	12.86	19	15.12	18	15.66	18	15.18
28	14.44	26	16.30	26	15.76	25	14.50

11. Indian land, Ed S. Prather, tenant. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 9 inches, depth 201 feet, cased to 4. Highest water level 53.55 below lsd, Mar. 16, 1950; lowest 57.60 below lsd, Mar. 28, 1953. Records available: 1948-53.

Jan. 31	56.35	Apr. 26	56.35	July 31	56.49	Oct. 30	54.79
Feb. 28	57.31	May 31	56.44	Aug. 29	56.53	Nov. 27	57.15
Mar. 28	57.60	June 26	56.52	Sept. 26	56.62	Dec. 25	56.99

12. Fred Dinkler, Jr. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 7 N., R. 12 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 32 feet. Highest water level 10.90 below lsd, Oct. 1, 1950; lowest 23.76 below lsd, June 29, 1953. Records available: 1948-53.

Jan. 30	23.16	Apr. 26	22.80	July 30	23.03	Oct. 31	23.32
Feb. 27	23.04	May 31	23.03	Aug. 31	22.82	Nov. 28	22.88
Mar. 28	22.96	June 29	23.76	Sept. 26	23.34	Dec. 27	22.56

14. U. S. Geol. Survey. SE. cor. sec. 28, T. 9 N., R. 13 W. Drilled observation water-table well in Rush Springs sandstone, diameter 8 inches, depth 335 feet, cased to 9. Highest water level 34.71 below lsd, Aug. 1, 13, 1949; lowest 38.80 below lsd, Nov. 27, 1953. Records available: 1948-53. Recording gage removed Aug. 12, 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.97	38.12	38.11	38.30	38.35	38.44	38.46	38.39	.....	.....	.....	.....
2	38.07	38.03	38.11	38.35	38.41	38.41	38.43	38.39	.....	.....	.....	.....
3	38.06	38.09	38.31	38.35	38.46	38.37	38.46	38.42	.....	.....	.....	.....
4	37.99	38.09	38.31	38.27	38.40	38.35	38.49	38.45	.....	.....	.....	.....
5	37.93	38.13	38.23	38.18	38.37	38.46	38.49	38.47	.....	.....	.....	.....
6	37.96	38.12	38.28	38.19	38.32	38.48	38.51	.....	.....	.....	.....	.....
7	37.96	38.16	38.34	38.12	38.30	38.42	38.52	38.43	.....	.....	.....	.....
8	38.06	38.04	38.26	38.25	38.30	38.43	38.54	38.44	.....	.....	.....	.....
9	38.07	38.11	38.15	38.35	38.26	38.50	38.54	38.44	.....	.....	.....	.....
10	38.10	38.17	38.08	38.33	38.33	38.52	38.56	38.35	.....	.....	.....	.....

14--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	38.12	38.13	38.07	38.32	38.31	38.49	38.53	38.48	.....	.....	.....	.....
12	37.95	38.17	38.23	38.34	38.46	38.45	38.55	38.48	.....	.....	.....	.....
13	37.93	38.15	38.15	38.33	38.46	38.42	38.54	.....	.....	.....	.....	.....
14	37.91	38.14	38.24	38.26	38.38	38.33	38.52	.....	.....	.....	.....	.....
15	38.20	38.13	38.25	38.39	38.29	38.38	38.55	.....	.....	.....	.....	.....
16	.....	38.25	38.17	38.35	38.30	38.47	38.57	.....	.....	.....	.....	.....
17	h37.85	38.20	38.13	38.31	38.33	38.46	38.57	.....	.....	.....	.....	.....
18	37.90	38.04	38.24	38.42	38.36	38.42	38.55	.....	.....	.....	.....	.....
19	37.96	38.08	38.16	38.40	38.36	38.42	38.54	.....	.....	.....	.....	.....
20	38.08	38.27	38.06	38.35	38.24	38.50	38.52	.....	.....	.....	.....	.....
21	37.96	38.29	38.21	38.15	38.34	38.50	38.55	.....	.....	.....	.....	.....
22	38.03	38.20	38.24	38.18	38.40	38.53	38.57	.....	.....	.....	.....	.....
23	38.10	38.15	38.31	38.26	38.41	38.53	38.55	.....	.....	.....	.....	.....
24	38.17	38.08	38.34	38.23	38.40	38.41	38.53	.....	.....	.....	.....	.....
25	38.07	38.10	38.31	38.31	38.43	38.51	38.50	.....	.....	.....	.....	h38.77
26	38.05	38.12	38.25	38.37	38.44	38.51	38.53	.....	h38.43	.....	.....	.....
27	38.20	38.17	38.35	38.24	38.46	38.50	38.52	.....	.....	h38.80	.....	.....
28	38.19	38.17	38.30	38.07	38.42	38.54	38.44	.....	.....	.....	.....	.....
29	38.05	.....	38.16	38.13	38.38	38.53	38.43	h38.34	.....	.....	.....	.....
30	38.03	.....	38.17	38.22	38.38	38.51	38.45	.....	.....	h38.61	.....	.....
31	38.15	.....	38.29	.....	38.42	.....	38.42	.....	.....	.....	.....	.....

h Tape measurement.

15. Fred Dinkler, Jr. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 5, T. 7 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 30 feet. Highest water level 15.52 below lsd, June 21, 1949; lowest 22.48 below lsd, Aug. 31, 1952. Records available: 1948-53. Jan. 30, 21.20; Feb. 27, 21.14; Mar. 28, 21.28; Apr. 26, 21.02; May 31, 20.99; June 29, 21.35; July 30, 20.65.

16. Joe Dees. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 30, T. 9 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 37 feet. Highest water level 24.78 below lsd, June 21, 1949; lowest 29.59 below lsd, Oct. 18, 1952. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	28.79	Apr. 3	28.71	July 3	28.71	Oct. 3	28.99
10	28.67	10	27.83	10	28.84	9	28.93
17	28.52	16	26.64	17	28.89	16	28.85
24	28.67	24	27.58	24	28.27	23	28.87
31	28.60	May 1	27.60	31	27.89	30	28.56
Feb. 7	28.53	8	27.58	Aug. 7	27.76	Nov. 6	28.39
14	28.42	15	27.63	14	27.76	13	28.33
21	28.63	22	27.56	21	27.83	20	28.18
28	28.26	31	27.60	29	27.93	27	28.14
Mar. 7	28.30	June 5	27.83	Sept. 4	28.23	Dec. 7	27.95
14	29.12	12	28.01	11	28.39	11	28.04
21	28.04	19	28.18	18	28.60	18	27.80
28	28.00	26	28.59	26	28.80	25	27.78

17. Virgil A. Goodwin. $SW\frac{1}{4}SW\frac{1}{4}SE\frac{1}{4}$ sec. 27, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 7 inches, depth 199 feet. Highest water level 29.28 below lsd, Feb. 12, 1949; lowest 33.35 below lsd, Nov. 29, 1952. Records available: 1948-53. Jan. 31, 32.54; Feb. 28, 32.47; Mar. 27, 32.70; Apr. 24, 32.61; May 31, 32.86; June 26, 33.00; July 31, 33.10. Measurement discontinued.

18. Neil Horn. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 33, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 6 inches, depth 295 feet. Highest water level 34.40 below lsd, Mar. 10, 1951; lowest 47.47 below lsd, Oct. 9, 1950. Records available: 1948-53. Jan. 31, 41.60; Feb. 28, 37.41; Mar. 27, 36.71; Apr. 24, 37.02; May 31, 36.53; June 26, 36.82; July 31, 36.73. Measurement discontinued.

19. Westidge. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 24, T. 9 N., R. 13 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 25 feet. Highest water level 12.06 below lsd, June 22, 1949; lowest 17.48 below lsd, July 17, 1953. Records available: 1949-53.

19--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.63	Apr. 3	14.98	July 3	17.43	Oct. 3	17.46
10	15.65	10	14.77	10	16.98	9	16.30
17	16.49	17	12.83	17	17.48	16	17.24
24	15.62	24	14.92	24	17.10	23	16.79
31	15.59	May 1	15.38	31	14.63	30	15.79
Feb. 7	16.39	8	16.44	Aug. 7	15.97	Nov. 6	15.88
14	16.47	15	15.41	14	15.76	13	16.27
21	15.37	22	15.27	21	15.87	20	15.76
28	15.20	31	14.56	29	16.08	27	15.65
Mar. 7	15.04	June 6	15.06	Sept. 4	16.74	Dec. 7	16.63
14	14.89	12	15.88	11	16.39	11	16.81
21	14.89	19	16.51	18	16.51	18	16.97
28	15.99	26	16.81	26	16.60	25	16.72

23. Cox. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 10 N., R. 12 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 16 inches, reported depth 360 feet, cased to 12. Highest water level 113.09 below lsd, Sept. 24, 1950; lowest 115.55 below lsd, Oct. 7, 1951. Records available: 1949-53. Jan. 31, 115.16; Apr. 24, 114.36; July 31, 115.29. Measurement discontinued.

33. L. E. Hall. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 8 N., R. 12 W. Drilled unused water-table well in Rush Springs sandstone, diameter 5 inches, depth 120 feet, cased to 5. Highest water level 23.79 below lsd, July 7, 1951; lowest 26.44 below lsd, Sept. 1, 1951. Records available: 1949-52. Measurement discontinued.

35. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 50 feet, cased to 10. Highest water level 7.43 below lsd, May 19, 1951; lowest 13.93 below lsd, Sept. 13, 1952. Records available: 1949-53.

Jan. 3	10.13	Apr. 3	9.20	July 3	11.50	Oct. 9	10.91
10	10.03	10	8.74	10	11.76	16	10.81
17	9.94	17	7.83	17	11.47	23	10.41
24	9.89	24	8.88	31	9.67	30	9.74
31	9.83	May 1	9.36	Aug. 7	9.90	Nov. 6	9.63
Feb. 7	9.76	8	9.50	14	10.37	13	9.59
14	9.64	15	9.55	21	11.20	20	9.43
21	9.70	22	9.62	29	10.56	27	9.42
28	9.45	31	9.13	Sept. 4	10.78	Dec. 7	9.16
Mar. 7	9.39	June 5	9.64	11	11.09	11	9.20
14	9.15	12	10.88	18	11.37	18	9.12
21	9.17	19	11.36	26	11.59	25	9.11
28	9.24	26	11.71	Oct. 3	11.79		

36. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 50 feet, cased to 8. Highest water level 18.40 below lsd, June 16, 1951; lowest 19.93 below lsd, Oct. 18, 1952. Records available: 1950-53. Measurement discontinued.

Jan. 3	19.04	Feb. 28	18.70	Apr. 24	18.54	June 19	19.12
10	19.85	Mar. 7	18.90	May 1	18.70	26	19.36
17	18.92	14	18.66	8	18.67	July 3	19.28
24	18.95	21	18.68	15	18.66	10	19.41
31	18.94	28	18.81	22	18.72	17	19.34
Feb. 7	18.89	Apr. 3	18.83	31	18.79	24	18.82
14	18.78	10	18.76	June 5	18.88	31	18.71
21	19.16	17	18.50	12	19.07	Aug. 7	18.83

37. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 80 feet, cased to 6. Highest water level 18.06 below lsd, June 23, 1949; lowest 21.86 below lsd, July 17, 1953. Records available: 1949-53. Measurement discontinued.

Jan. 3	21.28	Feb. 28	21.27	Apr. 24	21.33	June 19	21.68
10	20.82	Mar. 7	21.50	May 1	21.46	26	21.80
17	21.09	14	21.26	8	21.53	July 3	21.75
24	21.32	21	21.26	15	21.53	10	21.84
31	21.37	28	21.50	22	21.60	17	21.86
Feb. 7	21.48	Apr. 3	21.55	31	21.65	24	21.82
14	21.27	10	21.56	June 5	21.75	31	21.84
21	21.48	17	21.31	12	21.76	Aug. 7	21.83

38. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 70 feet, cased to 4. Highest water level 12.85 below lsd, June 23, 1949; lowest 17.92 below lsd, Feb. 21, 1953. Records available: 1949-53. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	17.47	Jan. 31	17.60	Feb. 28	17.31	Mar. 28	17.57
10	17.35	Feb. 7	17.59	Mar. 7	17.63	Apr. 3	17.53
17	17.24	14	17.36	14	17.25	10	17.65
24	17.62	21	17.92	21	17.25		

39. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 70 feet. Highest water level 20.07 below lsd, June 23, 1949; lowest 25.20 below lsd, July 10, 1953. Records available: 1949-53.

Jan. 3	24.12	Mar. 7	23.78	May 1	23.28	June 26	24.96
10	24.09	14	24.68	8	23.41	July 3	25.07
17	24.04	21	23.62	15	23.54	10	25.20
24	24.01	28	23.60	22	23.67	17	24.97
31	24.29	Apr. 3	23.64	31	24.00	24	24.35
Feb. 7	23.96	10	23.42	June 5	24.28	31	24.19
14	23.92	17	22.29	12	22.51	Aug. 7	24.17
21	23.90	24	23.22	19	22.74	14	24.19
28	23.77						

40. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{4}$ inches, depth 31 feet. Highest water level 24.85 below lsd, June 23, 1949; lowest 27.82 below lsd, Jan. 17, 1953. Records available: 1949-53.

Jan. 3	27.70	Apr. 3	27.60	July 3	27.09	Oct. 9	27.15
10	27.69	10	27.55	10	27.10	16	27.17
17	27.82	17	27.47	17	27.19	23	27.15
24	27.70	24	26.69	24	27.19	30	27.10
31	27.68	May 1	26.64	31	27.14	Nov. 6	27.04
Feb. 7	27.71	8	26.69	Aug. 7	27.09	13	26.97
14	27.50	15	26.68	21	27.06	20	26.82
21	27.72	22	26.61	29	27.00	27	26.82
28	27.63	31	26.72	Sept. 4	26.96	Dec. 7	26.72
Mar. 7	27.65	June 5	26.72	11	26.97	11	26.69
14	27.58	12	26.80	18	26.95	18	26.69
21	27.55	19	26.86	26	27.04	25	26.65
28	27.63	26	27.03	Oct. 3	27.11		

41. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 8 N., R. 12 W. Drilled observation water-table well in Rush Springs sandstone, diameter 1 $\frac{1}{2}$ inches, depth 80 feet. Highest water level 21.53 below lsd, July 23, 1949; lowest 26.38 below lsd, Feb. 7, 1953. Records available: 1949-53. Measurement discontinued.

Jan. 3	24.88	Feb. 28	25.77	Apr. 17	25.94	June 12	26.09
10	24.86	Mar. 7	26.26	24	25.97	19	26.11
17	24.84	14	25.98	May 1	25.98	26	26.15
24	26.09	21	26.04	8	25.88	July 3	26.21
31	26.12	28	26.05	22	26.06	10	26.34
Feb. 7	26.38	Apr. 3	26.14	31	26.11	17	26.18
14	25.97	10	26.08	June 5	25.95	Aug. 7	25.52
21	26.08						

43. Lloyd Rader. NE. cor. sec. 33, T. 10 N., R. 11 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, reported depth 78 feet, cased to 10. Highest water level 37.98 below lsd, June 30, 1951; lowest 41.17 below lsd, Dec. 25, 1953. Records available: 1949-53.

Jan. 31	36.53	Apr. 24	40.18	July 31	39.65	Oct. 30	41.08
Feb. 28	40.27	May 31	40.43	Aug. 29	40.31	Nov. 27	41.13
Mar. 27	40.42	June 26	40.74	Sept. 26	40.88	Dec. 25	41.17

45. Pauline Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 8 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 7 inches, reported depth 250 feet, cased to 165. Highest water level 25.98 below lsd, Oct. 6, 1949; lowest 28.04 below lsd, Mar. 27, 1953. Records available: 1949-53. Jan. 31, 27.92; Feb. 28, 27.80; Mar. 27, 28.04; Apr. 24, 27.86; July 31, 28.02. Measurement discontinued.

73. U. S. Geol. Survey. NE $\frac{1}{4}$ sec. 18, T. 7 N., R. 9 W. Driven unused water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, steel casing. Highest water level 12.69 below lsd, June 19, 1952; lowest 17.00 below lsd, Oct. 31, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 29, 1952	13.10	Sept. 25, 1952	14.71	Feb. 26, 1953	15.37	Sept. 25, 1953	16.72
May 26	13.15	Oct. 30	15.32	Mar. 31	15.44	Oct. 31	17.00
June 19	12.69	Nov. 25	15.62	June 30	16.50	Nov. 27	16.50
July 28	13.51	Dec. 29	15.91	July 31	16.25	Dec. 21	16.04
Sept. 8	14.37	Jan. 22, 1953	15.78	Aug. 26	16.39		

82. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 7 N., R. 9 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 24 feet. Highest water level 15.48 below lsd, Dec. 21, 1953; lowest 16.93 below lsd, Sept. 25, 1953. Records available: 1952-53. Dec. 29, 1952, 16.24; June 30, 1953, 15.69; July 30, 16.02; Aug. 26, 16.04; Sept. 25, 16.93; Oct. 31, 16.31; Dec. 21, 15.48.

Canadian County

2. Oklahoma City Water Department observation well B. NW $\frac{1}{4}$ sec. 33, T. 13 N., R. 7 W. Jetted observation water-table well in alluvium, diameter 2 inches, depth 23 feet, cased to 23. Land-surface datum is 1,309.27 feet above msl. Highest water level 4.92 below lsd, July 9, 1951; lowest 21.99 below lsd, Dec. 27, 1947. Records available: 1939-53. May 3, 16.67; June 11, 16.32; Oct. 20, 15.46.

RFC3. U. S. Geol. Survey. SW. cor. sec. 1, T. 13 N., R. 9 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 9 feet, cased to 9, screen 7-9. Land-surface datum is 1,358.09 feet above msl. Highest water level 0.17 below lsd, May 28, 1941; lowest 8.23 below lsd, Dec. 15, 1939. Records available: 1939-44, 1946-53. May 3, 5.48; June 11, 6.12; Oct. 27, 6.23.

RFC4. U. S. Geol. Survey. NE. cor. sec. 17, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 12 feet, cased to 12, screen 10-12. Land-surface datum is 1,412.32 feet above msl. Highest water level 0.44 below lsd, July 9, 1951; lowest 9.14 below lsd, Dec. 15, 1939. Records available: 1939-53. May 3, 4.85; June 11, 5.57; Oct. 27, 6.37.

10. Alex Hufnagel. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 13 N., R. 9 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 37 feet. Land-surface datum is 1,427.66 feet above msl. Highest water level 13.57 below lsd, May 29, 1942; lowest 26.29 below lsd, Apr. 12, 1950. Records available: 1941-53. June 11, 25.38; Oct. 27, 25.38.

13. J. R. Brannon. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 13 N., R. 9 W. Drilled unused water-table well in rocks of Permian age, diameter 6 inches, depth 51 feet. Land-surface datum is 1,380.68 feet above msl. Highest water level 2.17 below lsd, May 25, 1949; lowest 10.66 below lsd, Oct. 27, 1953. Records available: 1941-53. June 11, 9.37; Oct. 27, 10.66.

82. Ryba Jacob. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 12 N., R. 6 W. Drilled unused water-table well in rocks of Permian age, diameter 6 inches, depth 34 feet. Land-surface datum is 1,296.42 feet above msl. Highest water level 19.73 below lsd, May 14, 1946; lowest 24.85 below lsd, Nov. 5, 1941. Records available: 1941-53. June 11, 23.91; Oct. 20, 24.53.

85. W. L. Towe. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 5 W. Drilled unused water-table well in rocks of Permian age, diameter 7 inches, depth 66 feet, cased to 66. Land-surface datum is 1,272.58 feet above msl. Highest water level 5.87 below lsd, May 31, 1951; lowest 17.61 below lsd, Nov. 6, 1941. Records available: 1941-53. June 11, 11.60; Oct. 20, 13.27.

G4. U. S. Geol. Survey. NE. cor. sec. 8, T. 13 N., R. 9 W. Driven observation water-table well in alluvial clay, diameter $\frac{3}{4}$ inch, depth 19 feet, cased to 19, screen 17-19. Land-surface datum is 1,385 feet above msl. Highest water level 4.68 below lsd, June 23, 1942; lowest 15.83 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 15.52; Oct. 27, 15.83.

G6. U. S. Geol. Survey. SE. cor. sec. 8, T. 12 N., R. 5 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 12 feet, cased to 12, screen 9-12. Land-surface datum is 1,262.14 feet above msl. Highest water level 3.50 below lsd, Feb. 25, 1946; lowest 10.87 below lsd, Nov. 4, 1943. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	9.38	May 29	8.29	July 23	9.09	Oct. 31	8.67
Feb. 24	9.41	June 11	8.70	Aug. 25	9.64	Nov. 24	8.47
Mar. 31	8.28	30	9.20	Sept. 24	9.74	Dec. 23	8.62
Apr. 30	7.76						

G7. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 13 N., R. 7 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 20 feet, cased to 20, screen 18-20. Land-surface datum is 1,317.94 feet above msl. Highest water level 13.55 below lsd, Apr. 13, 1943; lowest 16.24 below lsd, Dec. 27, 1947. Records available: 1942-53. June 11, 14.42. Measurement discontinued.

G8. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 13 N., R. 7 W. Driven observation water-table well in alluvial sandy clay, diameter $\frac{3}{4}$ inch, depth 19 feet, cased to 19, screen 17-19. Land-surface datum is 1,314.63 feet above msl. Highest water level 12.00 below lsd, Sept. 14, 1951; lowest 15.09 below lsd, Mar. 13, 1944, May 23, 1949. Records available: 1942-53. June 11, 14.11; Oct. 20, 14.78.

G11. U. S. Geol. Survey. SW. cor. sec. 8, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 12 feet, cased to 12, screen 10-12. Land-surface datum is 1,412.90 feet above msl. Highest water level 0.75 below lsd, May 25, 1949; lowest 5.37 below lsd, Oct. 13, 1952. Records available: 1942-53. May 3, 4.34; June 11, 4.85. Measurement discontinued.

G13. U. S. Geol. Survey. SW. cor. sec. 14, T. 14 N., R. 10 W. Drilled observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 15 feet, cased to 15, screen 13-15. Land-surface datum is 1,401.21 feet above msl. Highest water level 3.12 below lsd, June 23, 1942; lowest 9.22 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 8.34; Oct. 27, 9.22.

G14. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 25 feet, cased to 25, screen 23-25. Land-surface datum is 1,405.78 feet above msl. Highest water level 11.46 below lsd, June 23, 1942; lowest 18.13 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 17.45; Oct. 27, 18.13.

G17. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 14 N., R. 9 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 14 feet, cased to 14, screen 12-14. Land-surface datum is 1,385 feet above msl. Highest water level 7.51 below lsd, June 23, 1942; lowest 13.39 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 13.05; Oct. 27, 13.39.

G18. U. S. Geol. Survey. NW. cor. sec. 11, T. 13 N., R. 9 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 33 feet, cased to 33, screen 31-33. Land-surface datum is 1,378.56 feet above msl. Highest water level 15.90 below lsd, June 23, 1942; lowest 21.15 below lsd, Oct. 28, 1952. Records available: 1942-52. No measurement made in 1953.

G20. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 12 N., R. 6 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 25 feet, cased to 25, screen 22-24. Land-surface datum is 1,274.70 feet above msl. Highest water level 5.16 below lsd, May 31, 1951; lowest 12.40 below lsd, Oct. 20, 1953. Records available: 1942-53. June 11, 10.27; Oct. 20, 12.40.

G24. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 12 N., R. 6 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 14 feet, cased to 14, screen 12-14. Land-surface datum is 1,285.38 feet above msl. Highest water level 2.69 below lsd, May 31, 1951; lowest 8.40 below lsd, Oct. 20, 1953. Records available: 1942-53. June 11, 7.10; Oct. 20, 8.40.

G27. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 14 N., R. 10 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 11 feet, cased to 11, screen 9-11. Land-surface datum is 1,392.84 feet above msl. Highest water level 0.25 below lsd, May 25, 1949; lowest 9.93 below lsd, Aug. 19, 1946. Records available: 1942-53. June 11, 8.80; Oct. 27, 9.69.

G28. U. S. Geol. Survey. SE. cor. sec. 23, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 25 feet, cased to 25, screen 23-25. Land-surface datum is 1,335.90 feet above msl. Highest water level 15.86 below lsd, July 23, 1943; lowest 20.33 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 19.31; Oct. 27, 20.33.

G29. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 12 feet, cased to 12, screen 10-12. Land-surface datum is 1,339.29 feet above msl. Highest water level 1.48 below lsd, May 23, 1949; lowest 9.41 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 8.70; Oct. 27, 9.41.

G30. U. S. Geol. Survey. SW. cor. sec. 36, T. 14 N., R. 9 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 10 feet, cased to 10, screen 8-10. Land-surface datum is 1,363.79 feet above msl. Highest water level 4.21 below lsd, May 23, 1949; lowest 13.54 below lsd, Oct. 27, 1953. Records available: 1942-47, 1949-53. June 11, 12.48; Oct. 27, 13.54.

G32. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 8 feet, cased to 8, screen 6-8. Land-surface datum is 1,334.31 feet above msl. Highest water level 2.77 below lsd, June 23, 1942; lowest 7.98 below lsd, Oct. 27, 1953. Records available: 1942-53. June 11, 7.71; Oct. 27, 7.98.

G36. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 12 N., R. 6 W. Drilled observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 15 feet, cased to 15, screen 13-15. Land-surface datum is 1,274.19 feet above msl. Highest water level 5.12 below lsd, May 31, 1951; lowest 12.56 below lsd, Oct. 20, 1953. Records available: 1942-53. June 11, 10.50; Oct. 20, 12.56.

G44. U. S. Geol. Survey. NW. cor. sec. 28, T. 14 N., R. 10 W. Driven observation water-table well in clay, diameter $\frac{3}{4}$ inch, depth 19 feet, cased to 19. Land-surface datum is 1,412.29 feet above msl. Highest water level 10.02 below lsd, July 28, 1942, May 25, 1949; lowest 17.11 below lsd, Aug. 19, 1946. Records available: 1942-53. June 11, 13.72; Oct. 27, 15.33.

G49. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 12 N., R. 7 W. Driven observation water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 27 feet, cased to 27, screen 25-27. Land-surface datum is 1,304.39 feet above msl. Highest water level 15.68 below lsd, Sept. 14, 1951; lowest 19.16 below lsd, Nov. 4, 1943. Records available: 1942-53. June 11, 17.40; Oct. 20, 18.85.

G52. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 12 N., R. 5 W. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 15 feet, cased to 15, screen 13-15. Land-surface datum is 1,263.45 feet above msl. Highest water level 1.40 below lsd, July 9, 1951; lowest 10.09 below lsd, Apr. 30, 1953. Records available: 1942-46, 1947-53. Apr. 30, 10.09; July 23, 4.66; Aug. 25, 5.71; Sept. 24, 6.53; Oct. 31, 6.95; Nov. 24, 6.87; Dec. 23, 6.77.

G53. U. S. Geol. Survey. SW $\frac{1}{4}$ sec. 3, T. 10 N., R. 7 W. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 12 feet, cased to 12, screen 10-12. Highest water level 2.91 below lsd, July 29, 1950; lowest 9.65 below lsd, Sept. 24, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	9.04	Apr. 30	8.00	July 30	8.88	Oct. 31	8.50
Feb. 26	8.98	June 11	8.80	Aug. 26	9.19	Nov. 27	7.11
Mar. 31	8.74	30	9.24	Sept. 24	9.65	Dec. 21	7.27

Choctaw County

1. Rose Lawn Creamery. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 6 S., R. 17 E. Drilled unused artesian well in sand of Trinity group, diameter 8 inches, depth 282 feet. Highest water level 111.05 below lsd, Dec. 21, 1944; lowest 126.85 below lsd, Aug. 28, 1951. Records available: 1944, 1950-53.

Jan. 28	122.71	May 4	124.05	Sept. 29	120.25	Nov. 29	123.16
Mar. 4	125.60	June 28	123.76	Oct. 28	124.37	Dec. 28	123.26
31	123.45	July 29	122.20				

Cimarron County

129. George Camilli. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, T. 2 N., R. 2 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 179 feet, cased to 179. Land-surface datum is 4,553 feet above msl. Highest water level 158.73 below lsd, May 29, 1953; lowest 167.80 below lsd, Apr. 22, 1939. Records available: 1939-53. May 29, 158.73.

156. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 2 N., R. 5 E. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 9 feet, screen 6-8. Highest water level 4.18 below lsd, May 16, 1949; lowest 6.50 below lsd, May 30, 1953. Records available: 1946-53. May 30, 6.50.

224. Walter R. Wood. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 3 N., R. 1 E. Drilled unused water-table well in Dakota sandstone, diameter 5 inches, depth 156 feet, cased to 156. Land-surface datum is 4,741 feet above msl. Highest water level 127.69 below lsd, May 29, 1953; lowest 138.24 below lsd, July 21, 1938. Records available: 1938-53. May 29, 127.69.

275. O. A. Showalter. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 3 N., R. 5 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 154 feet, cased to 154. Land-surface datum is 4,156 feet above msl. Highest water level 145.95 below lsd, Apr. 23, 1943; lowest 147.02 below lsd, May 23, 1950. Records available: 1938-53. May 30, 146.44.

276. Atchison, Topeka & Santa Fe Railroad. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 3 N., R. 5 E. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 163 feet, cased to 153. Land-surface datum is 4,143 feet above msl. Highest water level 133.06 below lsd, May 22, 1952; lowest 134.23 below lsd, May 5, 1951. Records available: 1938-44, 1946-52. No measurement made in 1953.

286. L. J. French. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 3 N., R. 5 E. Drilled unused water-table well in Ogallala formation, diameter 16 inches, reported depth 304 feet. Highest water level 158.93 below lsd, May 29, 1953; lowest 159.11 below lsd, May 5, 1951. Records available: 1951-53. May 5, 1951, 159.11; May 22, 1952, 158.98; May 29, 1953, 158.93.

313. E. J. Behrendt. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 3 N., R. 7 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 61 feet, perforations 41-61. Land-surface datum is 3,954 feet above msl. Highest water level 35.40 below lsd, May 21, 1952; lowest 46.96 below lsd, Jan. 23, 1941. Records available: 1938-53. May 29, 36.09.

435. B. J. Wiggins. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 4 N., R. 8 E. Drilled unused water-table well in Ogallala formation, depth 213 feet, cased to 213. Land-surface datum is 3,878 feet above msl. Highest water level 134.70 below lsd, May 21, 1952; lowest 138.08 below lsd, Nov. 23, 1939. Records available: 1938-53. May 29, 135.16.

516. State of Oklahoma. SE $\frac{1}{4}$ sec. 34, T. 5 N., R. 5 E. Drilled unused water-table well in Morrison formation, diameter 9 inches, depth 103 feet. Highest water level 5.04 below lsd, Apr. 26, 1944; lowest 28.69 below lsd, Sept. 29, 1939. Records available: 1939-53. May 30, 11.40.

610. A. S. Parker. NW $\frac{1}{4}$ sec. 21, T. 6 N., R. 5 E. Drilled unused water-table well in Morrison formation, diameter 9 inches, depth 74 feet. Highest water level 27.59 below lsd, May 11, 1945; lowest 35.14 below lsd, Apr. 2, 1941. Records available: 1938-53. May 30, 32.82.

660. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 5 N., R. 5 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 10 feet, screen 8-10. Highest water level 4.11 below lsd, Apr. 26, 1947; lowest 6.04 below lsd, Oct. 21, 1947. Records available: 1946-53. May 30, 5.72.

Cleveland County

1. Mrs. Elizabeth E. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 10 N., R. 3 W. Dug unused stock well in terrace deposits, diameter 18 inches, depth 24 feet. Highest water level 0.74 below lsd, May 28, 1951; lowest 14.88 below lsd, Feb. 3, 1940. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	11.46	Apr. 29	9.31	July 23	8.42	Oct. 22	9.76
Feb. 26	11.62	May 27	9.43	Aug. 24	8.89	Nov. 23	8.62
Mar. 27	10.89	June 30	10.66	Sept. 24	10.04	Dec. 23	9.28

4. City of Norman. Daws St. and Santa Fe Ave. in city park. Drilled unused artesian well in Garber sandstone, diameter 10 to 8 inches, depth 643 feet, cased to 300. Land-surface datum is 1,164.07 feet above msl. Highest water level 211.58 below lsd, Mar. 23, 1940; lowest 356.73 below lsd, Aug. 19, 1943, Aug. 19, 1944. Records available: 1940, 1942-53.

Jan. 5	312.00	Apr. 13	328.34	July 20	356.03	Oct. 12	320.88
12	319.00	20	326.32	27	327.95	17	321.84
19	321.98	27	328.05	Aug. 3	324.18	26	319.15
26	323.75	May 5	328.98	10	325.80	Nov. 3	314.83
Feb. 2	323.14	18	327.43	17	324.73	9	312.63
9	325.15	25	331.14	24	321.79	16	316.56
16	325.87	June 1	339.06	31	323.93	23	316.91
Mar. 2	327.41	8	340.61	Sept. 7	318.95	30	315.78
9	330.08	15	346.43	14	316.99	Dec. 7	314.49
16	330.50	22	343.19	21	319.45	14	314.90
23	330.84	29	332.48	28	320.25	21	312.75
30	331.40	July 6	335.22	Oct. 5	320.62	28	310.61
Apr. 6	330.03	13	332.93				

5. F. W. Goldsby. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 9 N., R. 1 W. Drilled unused artesian well in Garber sandstone, diameter 8 to 7 inches, depth 400 feet, perforations 250-345, 355-400. Land-surface datum is 1,174 feet above msl. Highest water level 129.33 below lsd, Dec. 6, 1941; lowest 154.40 below lsd, Nov. 30, 1944. Records available: 1940-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	151.04	.....	150.40	150.44	150.08	150.14	150.44	152.21	152.11	152.05	.....	150.3 ^a
2	151.17	150.57	150.43	150.42	150.19	150.13	150.46	.....	152.05	152.01	151.15	150.2 ^a
3	151.19	150.59	150.51	150.47	150.26	150.10	150.57	.....	151.99	152.03	.....	150.11
4	151.09	150.62	150.57	150.44	150.24	150.09	150.64	152.26	152.07	152.01	.....	150.12
5	151.07	150.54	150.55	150.36	150.23	150.14	150.72	152.26	152.07	.....	.....	150.14
6	150.98	150.56	150.56	150.24	150.22	150.18	150.77	152.26	152.01	.....	.....	150.19
7	151.00	150.58	150.64	150.21	150.15	150.17	.....	152.33	152.03	.....	.....	149.97
8	151.04	150.56	150.64	150.23	150.14	150.21	.....	152.35	152.01	.....	.....	.....
9	151.09	150.55	150.60	150.39	150.10	150.33	.....	152.34	152.02	.....	.....	.....
10	151.09	150.55	150.52	150.41	150.12	150.42	.....	152.32	152.01	.....	150.85	149.95
11	151.15	150.54	150.47	150.34	150.12	150.46	.....	152.38	151.98	.....	.....	150.86
12	151.09	150.57	150.56	150.40	150.13	150.47	.....	152.40	151.99	151.86	150.84	.....
13	150.92	150.57	150.56	150.43	150.24	150.44	151.90	152.38	151.99	.....	150.81	.....
14	150.89	150.47	150.50	150.32	.....	150.38	151.94	152.36	151.90	.....	150.75	150.0 ^a
15	151.13	150.47	150.59	150.41	.....	150.45	151.97	152.37	151.93	.....	150.66	150.0 ^a
16	151.14	150.69	150.55	150.41	.....	150.57	152.02	152.35	151.92	.....	150.59	150.0 ^a
17	150.99	150.71	160.46	150.23	.....	150.62	152.02	152.36	151.89	.....	150.54	150.07
18	150.83	150.62	150.43	150.42	150.02	150.63	152.04	152.32	151.89	.....	150.47	150.0 ^a
19	150.77	150.51	150.41	150.48	150.03	150.65	.....	152.29	151.89	.....	150.41	149.9 ^a
20	150.83	150.66	150.30	150.46	149.93	150.79	151.95	152.29	151.86	151.73	150.39	149.84
21	150.83	150.78	150.28	150.29	149.94	150.87	152.01	152.25	152.11	.....	150.39	149.81
22	150.73	150.78	150.36	150.22	149.99	150.98	152.08	152.22	152.11	.....	150.35	149.93
23	150.78	150.70	150.45	150.23	150.00	150.99	152.09	152.19	152.04	.....	150.27	149.9 ^a
24	150.82	150.64	150.51	150.12	150.00	150.98	152.11	152.15	152.03	.....	150.22	149.97
25	150.82	150.56	150.54	150.26	150.05	151.08	152.11	152.17	151.97	.....	150.29	149.7 ^a
26	150.66	150.55	150.48	150.33	150.10	151.18	152.18	152.17	151.93	151.35	150.40	149.71
27	150.78	150.54	150.51	150.23	150.14	150.24	152.21	152.15	151.88	.....	150.51	149.55
28	150.80	150.56	150.52	150.06	150.14	150.33	152.16	152.11	151.90	.....	150.51	149.5 ^a
29	150.76	.....	150.41	150.91	150.09	150.41	152.16	152.04	151.94	.....	150.49	149.57
30	150.62	.....	150.34	150.01	150.06	150.48	152.20	152.06	152.05	.....	150.45	149.63
31	.....	.....	150.38	.....	150.09	.....	152.21	152.09	.....	.....	.....	149.67

h Tape measurement.

8. Town of Noble. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 8 N., R. 2 W. Drilled unused artesian well in Garber sandstone, diameter 12 to 8 inches, depth 461 feet, perforations 235-245, 360-370, 415-455. Highest water level 165.43 below lsd, July 7, 1943; lowest 221.74 below lsd, Dec. 23, 1948. Records available: 1943-53. Feb. 25, 204.26; July 24, 207.48; Aug. 25, 186.60; Dec. 31, 208.28.

10. University of Oklahoma well 2. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 9 N., R. 2 W. Drilled unused artesian well in Garber sandstone, diameter 10 to 6 inches, depth 650 feet, cased to 550. Highest water level 243.57 below lsd, Apr. 28, 1952; lowest 359.99 below lsd, Apr. 29, Aug. 19, 1944. Records available: 1940, 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	262.08	Apr. 13	262.65	July 20	277.64	Oct. 12	264.83
12	261.96	20	262.86	27	277.70	19	263.92
19	261.86	27	261.93	Aug. 3	277.87	26	263.17
26	261.92	May 4	262.88	10	274.88	Nov. 2	258.99
Feb. 2	262.82	11	262.37	17	271.88	9	258.78
9	262.58	18	262.56	24	269.60	16	258.23
16	262.82	25	264.53	31	271.81	23	258.23
Mar. 2	263.06	June 1	225.23	Sept. 7	271.79	30	257.15
9	263.55	8	275.33	14	271.86	Dec. 7	256.26
16	263.79	15	279.01	21	271.49	14	254.63
23	263.83	22	283.13	28	269.71	21	254.51
30	264.04	July 6	278.40	Oct. 5	267.30	28	251.51
Apr. 6	264.19	13	278.08				

11. Mid-Continent Petroleum Co. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 10 N., R. 3 W. Drilled oil field supply artesian well in Garber sandstone, diameter 8 to 7 inches, reported depth 511 feet, cased to 511. Highest water level 152.67 below lsd, Feb. 12, 1944; lowest 201.76 below lsd, Nov. 23, 1953. Records available: 1944-53.

11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	191.60	Apr. 29	191.15	July 23	195.55	Oct. 22	201.39
Feb. 26	191.50	May 27	191.90	Aug. 24	197.99	Nov. 23	201.76
Mar. 27	191.72	June 30	193.94	Sept. 24	200.33	Dec. 23	201.75

12. Dave Price. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 9 N., R. 3 W. Drilled unused artesian well in Garber sandstone, diameter 11 to 9 inches, depth 625 feet, cased to 468. Highest water level 143.17 below lsd, Oct. 5, 1945; lowest 173.88 below lsd, Dec. 23, 1953. Records available: 1945-53.

Jan. 29	168.88	Apr. 29	169.30	July 23	171.50	Oct. 22	173.11
Feb. 26	168.77	May 27	170.21	Aug. 24	172.15	Nov. 23	173.11
Mar. 27	169.19	June 30	171.29	Sept. 24	172.66	Dec. 23	173.88

14. U. S. Geol. Survey. NE. cor. sec. 29, T. 9 N., R. 3 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 12 feet, screen 10-12. Highest water level 1.04 below lsd, June 2, 1947; lowest 10.13 below lsd, June 30, 1953. Records available: 1946-53.

Jan. 29	9.56	Apr. 29	8.91	July 23	8.84	Oct. 22	10.03
Feb. 26	9.39	May 27	9.32	Aug. 25	9.19	Nov. 23	9.58
Mar. 27	9.12	June 30	10.13	Sept. 24	9.88	Dec. 23	9.48

15. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 6 N., R. 1 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 23 feet, screen 21-23. Highest water level 2.97 below lsd, June 24, 1947; lowest 10.03 below lsd, Sept. 28, 1953. Records available: 1947-53.

Jan. 29	9.40	Apr. 29	8.42	July 24	8.92	Nov. 25	7.20
Feb. 25	9.28	May 27	8.97	Sept. 28	10.03	Dec. 28	7.40
Mar. 27	8.87	June 30	9.99	Oct. 23	7.80		

Comanche County

2. Minnie Taylor and others. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 2 N., R. 12 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 9 feet. Highest water level 5.29 below lsd, Nov. 17, 1950; lowest 10.90 below lsd, Oct. 23, 1953. Records available: 1947-53. Oct. 23, 1950.

Custer County

1. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 12 N., R. 17 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 16 feet, cased to 16, screen 14-16. Highest water level 6.72 below lsd, July 14, 1951; lowest 11.88 below lsd, Jan. 2, 1953. Records available: 1946-53. Jan. 2, 11.88; Feb. 2, 11.87. Measurement discontinued.

Ellis County

1. Patrica E. Robertson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 18 N., R. 24 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 47 feet, cased to 47. Highest water level 36.88 below lsd, Oct. 29, 1949; lowest 38.90 below lsd, Oct. 13, 1953. Records available: 1946-53. May 26, 38.47; Oct. 13, 38.90.

2. Dorothy B. Shrewder. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 18 N., R. 24 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 52 feet, cased to 52. Highest water level 40.92 below lsd, May 31, 1952; lowest 43.12 below lsd, Aug. 28, 1947. Records available: 1946-47, 1949-52. No measurement made in 1953.

4. J. Q. Tefertiller. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 19 N., R. 25 W. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 42 feet, cased to 42. Highest water level 24.66 below lsd, Oct. 27, 1951; lowest 28.14 below lsd, Oct. 30, 1946. Records available: 1946-53. May 27, 26.05; Oct. 13, 26.15.

7. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 21 N., R. 25 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 13 feet, cased to 13, screen 11-13. Highest water level 5.99 below lsd, July 14, 1951; lowest 9.62 below lsd, Oct. 13, 1953. Records available: 1951-53. May 27, 8.13; Oct. 13, 9.62.

8. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 24 N., R. 25 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 20 feet, cased to 20, screen 18-20. Highest water level 9.30 below lsd, July 14, 1951; lowest 10.56 below lsd, Oct. 13, 1953. Records available: 1951-53. May 27, 10.03; Oct. 13, 10.56.

9. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 10, T. 16 N., R. 24 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 28 feet, cased to 28, screen 26-28. Highest water level 12.48 below lsd, May 31, 1952; lowest 19.91 below lsd, Oct. 30, 1952. Records available: 1951-53. Aug. 24, 16.24.

Garfield County

2. City of Enid. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 21 N., R. 8 W. Drilled unused artesian and water-table well in rocks of Permian age and terrace deposit, diameter 8 inches, depth 122 feet, cased to 20. Land-surface datum is 1,238.5 feet above msl. Highest water level 5.18 below lsd, July 10, 1951; lowest 31.67 below lsd, June 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	28.29	Apr. 27	30.25	July 30	31.10	Oct. 30	29.82
Feb. 26	24.27	May 28	30.70	Aug. 31	31.20	Nov. 30	31.58
Mar. 31	30.13	June 29	31.67	Sept. 28	25.91	Dec. 30	30.68

3. R. Munkres. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 21 N., R. 8 W. Dug stock water-table well in alluvium, diameter 36 inches, depth 11 feet. Land-surface datum is 1,207.7 feet above msl. Highest water level 2.49 below lsd, Feb. 28, 1951; lowest 7.50 below lsd, Sept. 28, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	6.90	Apr. 27	6.43	July 31	6.58	Oct. 30	7.25
Feb. 26	6.85	May 28	6.48	Aug. 31	7.18	Nov. 30	7.16
Mar. 31	6.54	June 29	7.25	Sept. 28	7.50	Dec. 30	6.96

4. H. W. Dierksen. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, T. 21 N., R. 8 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 13 feet. Land-surface datum is 1,215.8 feet above msl. Highest water level 1.28 below lsd, July 10, 1951; lowest 12.72 below lsd, Nov. 25, 1952. Records available: 1950-52. No measurement made in 1953.

6. Dierksen. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 21 N., R. 8 W. Dug stock water-table well in terrace deposit, diameter 24 inches, depth 22 feet. Land-surface datum is 1,233.5 feet above msl. Highest water level 8.13 below lsd, July 10, 1951; lowest 24.11 below lsd, Nov. 25, 1952. Records available: 1950-52. No measurement made in 1953.

7. Paul Gregory. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 21 N., R. 8 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 27 feet. Land-surface datum is 1,245.6 feet above msl. Highest water level 11.20 below lsd, May 27, 1952; lowest 16.35 below lsd, July 22, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	14.32	Apr. 27	14.13	July 30	14.65	Oct. 30	15.65
Feb. 26	14.29	May 28	14.62	Aug. 31	15.00	Nov. 30	15.15
Mar. 31	14.19	June 29	15.82	Sept. 28	15.78	Dec. 30	14.87

8. City of Enid. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 66 feet, cased to 66. Highest water level 56.87 below lsd, Sept. 1, 1953; lowest 57.46 below lsd, Oct. 2, 1950, Mar. 1, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	57.07	Apr. 28	56.98	July 31	56.90	Oct. 29	56.90
Feb. 27	57.03	May 29	56.98	Sept. 1	56.87	Dec. 1	56.88
Mar. 31	57.02	July 1	56.94	29	56.90	31	56.85

9. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 59 feet, cased to 59. Highest water level 49.10 below lsd, Mar. 7, 1950; lowest 49.50 below lsd, Oct. 1, 1952. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	49.45	Apr. 28	49.45	July 31	49.43	Oct. 29	49.44
Feb. 27	49.46	May 29	49.45	Sept. 1	49.43	Dec. 1	49.43
Mar. 31	49.45	July 1	49.44	29	49.42	31	49.43

10. City of Enid. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 48 feet, cased to 48. Highest water level 34.88 below lsd, Mar. 7, 1950; lowest 38.36 below lsd, Dec. 5, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	35.59	Apr. 28	35.65	July 31	35.68	Oct. 29	35.76
Feb. 27	35.60	May 29	35.66	Sept. 1	36.70	Dec. 1	35.78
Mar. 31	35.63	July 1	35.67	29	35.74	31	35.46

11. City of Enid. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 23 N., R. 7 W. Drilled public-supply water-table well in terrace deposit, diameter 24 inches, depth 23 feet, cased to 23. Highest water level 5.78 below lsd, July 10, 1951; lowest 10.11 below lsd, Oct. 29, 1953. Records available: 1950-53.

11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.84	Apr. 28	8.40	July 31	8.44	Oct. 29	10.11
Feb. 27	8.74	May 29	8.27	Sept. 1	9.59	Dec. 1	9.92
Mar. 31	8.58	July 1	9.20	29	9.04	31	9.40

12. City of Enid. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 60 feet, cased to 60. Highest water level 47.05 below lsd, July 1, 1953; lowest 48.87 below lsd, Aug. 2, 1950. Records available: 1950-53.

Jan. 30	47.17	Apr. 28	47.08	July 31	47.27	Oct. 29	47.19
Feb. 27	47.13	May 29	47.08	Sept. 1	47.28	Dec. 1	47.14
Mar. 31	47.10	July 1	47.05	29	47.24	31	47.11

13. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 66 feet. Highest water level 51.40 below lsd, Oct. 29, 1953; lowest 53.57 below lsd, Mar. 7, 1950. Records available: 1950-53.

Jan. 30	51.47	Apr. 28	51.46	July 31	52.43	Oct. 29	51.40
Feb. 27	51.53	May 29	51.45	Sept. 1	51.45	Dec. 1	51.43
Mar. 31	51.46	July 1	51.44	29	51.44	31	51.15

14. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 70 feet. Highest water level 53.50 below lsd, Oct. 29, 1953; lowest 55.97 below lsd, June 29, 1950. Records available: 1950-53.

Jan. 30	54.30	Apr. 28	53.83	July 31	54.97	Oct. 29	53.50
Feb. 27	54.29	May 29	53.79	Sept. 1	54.02	Dec. 1	54.18
Mar. 31	53.85	July 1	53.90	29	54.09	31	54.10

15. City of Enid. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 23 N., R. 7 W. Drilled observation well in terrace deposit, diameter 2 inches, depth 56 feet, cased to 56. Highest water level 34.46 below lsd, June 26, 1952; lowest 36.69 below lsd, Nov. 26, 1952. Records available: 1950-53.

Jan. 30	36.50	Apr. 28	36.51	July 31	36.53	Oct. 29	36.55
Feb. 27	36.51	May 29	36.52	Sept. 1	36.54	Dec. 1	36.58
Mar. 31	36.51	July 1	36.54	29	36.54	31	36.54

16. City of Enid. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 50 feet, cased to 50. Highest water level 32.73 below lsd, Jan. 30, Feb. 27, Mar. 31, Apr. 28, May 29, 1953; lowest 34.35 below lsd, Aug. 2, 1950. Records available: 1950-53.

Jan. 30	32.73	Apr. 28	32.73	July 31	32.78	Oct. 29	32.89
Feb. 27	32.73	May 29	32.73	Sept. 1	32.83	Dec. 1	32.93
Mar. 31	32.73	July 1	32.74	29	32.86	31	32.94

17. City of Enid. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 60 feet, cased to 60. Highest water level 57.66 below lsd, Apr. 28, 1950; lowest 59.31 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 30	58.41	Apr. 28	58.51	July 31	58.80	Oct. 29	59.20
Feb. 27	58.71	May 29	58.66	Aug. 1	58.93	Dec. 1	59.29
Mar. 31	58.49	July 1	58.77	29	59.03	31	59.31

18. City of Enid. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 23 N., R. 7 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 72 feet, cased to 72. Highest water level 55.62 below lsd, Oct. 29, 1951; lowest 61.17 below lsd, Oct. 29, 1953. Records available: 1950-53.

Jan. 30	57.64	Apr. 28	57.76	July 31	60.35	Oct. 29	61.17
Feb. 27	57.60	May 29	58.95	Sept. 1	60.71	Dec. 1	59.47
Mar. 31	57.64	July 1	59.79	29	60.98	31	58.87

Grady County

3. Simmons. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 8 inches, depth 22 feet. Highest water level 12.14 below lsd, May 30, 1951; lowest 16.79 below lsd, Sept. 25, 1953. Records available: 1945-53.

3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	14.80	Apr. 28	14.60	July 30	15.84	Oct. 31	15.51
Feb. 28	14.75	May 28	14.95	Aug. 26	16.43	Nov. 27	14.94
Mar. 31	14.55	June 30	15.94	Sept. 25	16.79	Dec. 22	14.96

7. E. T. and L. R. Blades. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 4 N., R. 7 W. Drilled stock water-table well in Rush Springs sandstone, diameter 6 inches, depth 97 feet, cased to 97. Highest water level 47.10 below lsd, Nov. 26, 1951; lowest 57.74 below lsd, June 23, 1949. Records available: 1946-53.

Jan. 22	53.91	Apr. 28	54.18	July 30	54.98	Oct. 31	56.09
Feb. 28	54.08	May 28	54.50	Aug. 26	54.93	Nov. 26	56.37
Mar. 31	54.25	June 30	54.81	Sept. 25	55.18	Dec. 21	56.63

8. N. L. and O. F. Davis. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 41 feet. Highest water level 25.42 below lsd, July 30, 1946; lowest 33.10 below lsd, Apr. 30, 1950. Records available: 1946-53.

Jan. 22	31.85	Apr. 28	32.26	June 30	32.84	Aug. 26	32.87
Feb. 28	32.39	May 28	32.80	July 30	32.76	Sept. 25	32.83
Mar. 31	32.50						

12. James Howell. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 4 N., R. 8 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 72 feet. Highest water level 46.87 below lsd, Feb. 27, 1948; lowest 49.51 below lsd, Jan. 20, 1951. Records available: 1946-53. Jan. 22, 47.46; Feb. 28, 47.79. Measurement discontinued.

19. D. T. and Leona Hood. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 4 N., R. 8 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 32 feet, cased to 32. Highest water level 23.19 below lsd, July 28, 1951; lowest 29.65 below lsd, Oct. 31, 1953. Records available: 1946-53.

Jan. 22	28.03	July 30	28.89	Sept. 25	29.41	Nov. 27	29.41
May 28	28.43	Aug. 26	29.14	Oct. 31	29.65	Dec. 21	29.23
June 30	28.45						

24. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 4 N., R. 7 W. Dug domestic water-table well in Rush Springs sandstone, diameter 24 inches, depth 21 feet, cased to 21. Highest water level 7.00 below lsd, May 30, 1951; lowest 18.90 below lsd, Aug. 21, 1947. Records available: 1946-53.

Jan. 22	14.63	Apr. 28	13.76	July 30	14.13	Oct. 31	14.28
Feb. 28	14.83	May 28	15.27	Aug. 26	14.84	Nov. 27	13.76
Mar. 21	13.64	June 30	14.69	Sept. 25	15.24	Dec. 21	13.58

26. G. W. Wade. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 3 N., R. 8 W. Dug and drilled domestic water-table well in Rush Springs sandstone, diameter 36 inches, depth 95 feet. Highest water level 7.17 below lsd, Dec. 25, 1946; lowest 14.16 below lsd, Oct. 31, 1953. Records available: 1946-53.

Jan. 22	13.45	Apr. 28	12.98	July 30	12.91	Oct. 31	14.16
Feb. 28	13.68	May 28	12.79	Aug. 26	13.31	Nov. 27	13.52
Mar. 31	13.50	June 30	12.45	Sept. 25	13.82	Dec. 21	13.14

35. D. and Nora Stinson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 3 N., R. 8 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 64 feet. Highest water level 52.27 below lsd, July 27, 1948; lowest 57.64 below lsd, Dec. 21, 1953. Records available: 1946-53.

Jan. 22	55.46	Apr. 28	55.61	Aug. 26	56.68	Nov. 27	57.51
Feb. 28	55.81	May 28	56.30	Sept. 25	56.67	Dec. 21	57.64
Mar. 31	55.80	June 30	56.53	Oct. 31	57.02		

36. Henry Sweany. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 4 N., R. 8 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 181 feet. Highest water level 72.68 below lsd, Dec. 25, 1946; lowest 78.25 below lsd, Dec. 21, 1953. Records available: 1946-53.

Jan. 22	76.21	Apr. 28	76.39	July 30	77.41	Oct. 31	77.99
Feb. 28	76.46	May 28	76.85	Aug. 26	77.61	Nov. 27	78.05
Mar. 31	76.55	June 30	77.34	Sept. 25	77.76	Dec. 21	78.25

43. Q. L. Merideth. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 4 N., R. 8 W. Dug unused water-table well in alluvium derived from Rush Springs sandstone, diameter 36 inches, depth 11 feet. Highest water level 2.08 below lsd, Dec. 21, 1953; lowest 6.19 below lsd, Feb. 25, 1949. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	2.79	Apr. 28	3.13	July 30	2.80	Oct. 31	2.16
Feb. 28	2.73	May 28	3.20	Aug. 26	3.56	Nov. 27	2.18
Mar. 31	3.24	June 30	3.38	Sept. 25	4.31	Dec. 21	2.08

66. U. S. Geol. Survey. NW. cor. sec. 33, T. 4 N., R. 8 W. Drilled observation water-table well in Rush Springs sandstone, diameter 7 inches, depth 254 feet, cased to 40. Highest water level 79.68 below lsd, Oct. 20, Nov. 12, 1951; lowest 82.55 below lsd, Dec. 22, 1953. Records available: 1948-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.34	81.51	81.47	81.65	81.71	81.80	81.87	.....	82.08	82.23	82.35	82.28
2	81.48	81.41	81.49	81.67	81.75	81.77	81.82	.....	82.04	82.20	82.32	82.18
3	81.46	81.47	81.68	81.71	81.82	81.74	81.85	.....	82.14	82.26	82.33	82.32
4	81.41	81.49	81.70	81.65	81.80	81.70	81.88	.....	82.15	82.26	82.36	82.32
5	81.34	81.52	81.63	81.63	81.74	81.83	81.88	81.93	82.13	82.24	82.37	82.43
6	81.34	81.51	81.63	81.55	81.71	81.81	81.88	81.98	82.10	82.27	82.30	82.45
7	81.35	81.56	81.71	81.48	81.65	81.78	82.00	82.00	82.12	82.26	82.41	82.32
8	81.45	81.46	81.68	81.61	81.64	81.77	.....	82.01	82.10	82.22	82.43	82.41
9	81.48	81.50	81.57	81.72	81.62	81.85	.....	82.06	82.12	82.22	82.37	82.45
10	81.50	81.57	81.51	81.71	81.67	81.86	.....	81.95	82.11	82.19	82.29	82.34
11	81.55	81.55	81.49	81.68	81.66	81.85	.....	82.10	82.09	82.20	82.31	82.44
12	81.40	81.58	81.63	81.71	81.82	81.81	.....	82.10	82.15	82.26	82.33	82.43
13	81.31	81.55	81.67	81.71	81.83	81.75	.....	82.01	82.10	82.20	82.34	82.44
14	81.31	81.52	81.67	81.59	81.77	81.68	.....	81.98	82.06	82.29	82.33	82.46
15	81.61	81.50	81.74	81.76	81.65	81.73	.....	81.98	82.11	82.20	82.28	82.45
16	81.61	81.66	81.63	81.72	81.67	81.83	.....	81.99	82.08	82.27	82.29	82.52
17	81.36	81.62	81.57	81.67	81.70	81.82	.....	82.02	82.08	82.28	82.25	82.44
18	81.29	81.46	81.67	81.81	81.73	81.77	.....	82.03	82.14	82.30	82.24	82.40
19	81.33	81.49	81.60	81.79	81.73	81.75	.....	82.04	82.14	82.29	82.24	82.30
20	81.48	81.68	81.45	81.75	81.53	81.82	.....	82.04	82.21	82.30	82.30	82.24
21	81.40	81.74	81.53	81.72	81.68	81.85	.....	82.04	82.29	82.28	82.33	82.45
22	81.40	81.64	81.57	81.57	81.73	81.89	.....	82.04	82.23	82.34	82.33	82.55
23	81.49	81.57	81.64	81.65	81.74	81.93	h81.92	82.01	82.15	82.33	82.23	82.51
24	81.56	81.52	81.71	81.61	81.74	81.78	.....	82.02	82.13	82.27	82.36	82.39
25	81.48	81.48	81.71	81.72	81.80	81.85	.....	82.04	82.12	82.24	82.44	82.37
26	81.41	81.52	81.57	81.78	81.81	81.88	.....	h82.02	82.09	82.35	82.35	82.33
27	81.57	81.54	81.69	81.63	81.82	81.87	.....	82.05	82.13	82.32	82.45	82.32
28	81.58	81.51	81.67	81.46	81.79	81.90	.....	82.01	82.13	82.33	82.40	82.34
29	81.46	.....	81.49	81.51	81.75	81.91	81.31	82.02	82.23	82.34	82.39	82.42
30	81.39	.....	81.53	81.61	81.73	81.90	h80.76	82.06	82.27	82.29	82.37	82.48
31	81.55	.....	81.63	.....	81.78	.....	.....	82.07	.....	82.33	.....	82.42

h Tape measurement.

76. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, T. 7 N., R. 7 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 23 feet. Highest water level 1.00 below lsd, May 31, 1949; lowest 8.49 below lsd, Dec. 28, 1948. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.80	May 28	7.65	Aug. 26	6.63	Nov. 27	7.11
Feb. 28	7.88	June 30	8.13	Sept. 25	7.70	Dec. 21	7.14
Mar. 31	7.16	July 30	5.32	Oct. 31	6.70		

77. W. W. Mobley. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 70 feet, cased to 70. Highest water level 18.87 below lsd, June 30, 1951; lowest 26.01 below lsd, Sept. 25, 1953. Records available: 1949-53.

Jan. 22	24.85	Apr. 28	24.10	July 30	24.99	Oct. 31	24.84
Feb. 28	24.69	May 28	24.58	Aug. 26	25.61	Nov. 27	24.69
Mar. 31	24.08	June 30	25.37	Sept. 25	26.01	Dec. 21	24.83

Greer County

2. Claude Robertson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 60 feet, cased to 6. Highest water level 22.04 below lsd, Nov. 15, 1950; lowest 38.97 below lsd, Oct. 22, 1953. Records available: 1949-53. Mar. 16, 32.02; Oct. 22, 38.97.

3. Ivan Owen. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 105 to 115 feet, cased to 36. Highest water level 23.77 below lsd, Apr. 6, 1950; lowest 46.35 below lsd, Mar. 21, 1952. Records available: 1949-50, 1952-53. Nov. 19, 45.25. Measurement discontinued.

6. Earl Thomas. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 4 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 155 feet, cased to 54. Highest water level 25.43 below lsd, Nov. 15, 1950; lowest 42.62 below lsd, Nov. 19, 1953. Records available: 1949-53. Nov. 19, 42.62.

7. Sid Burcham. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 5 N., R. 23 W. Drilled irrigation artesian well in bedrock of Permian age, diameter 14 inches, reported depth 135 feet, cased to 105. Highest water level 89.23 below lsd, Nov. 15, 1950; lowest 92.80 below lsd, Apr. 5, 1950. Records available: 1949-53. Nov. 19, 92.13.

12. Ivan Owen. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 105 feet, cased to 105. Highest water level 17.81 below lsd, Nov. 15, 1950; lowest 48.64 below lsd, Oct. 22, 1953. Records available: 1950-53. Mar. 16, 38.19; Oct. 22, 48.64.

Harmon County

1. Ward Bros. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 2 N., R. 26 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 149 feet, cased to 124, screen 40-45. Land-surface datum is 1,617 feet above msl. Highest water level 20.24 below lsd, Nov. 16, 1950; lowest 32.47 below lsd, Nov. 23, 1953. Records available: 1950-53. Nov. 23, 32.47.

2. Mrs. Barbara Brown. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 2 N., R. 27 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 138 feet, cased to 80. Highest water level 30.96 below lsd, Nov. 16, 1950; lowest 32.60 below lsd, Mar. 20, 1952. Records available: 1950, 1952. No measurement made in 1953.

3. Keith. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 2 N., R. 26 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 102 feet. Highest water level 12.47 below lsd, Nov. 16, 1950; lowest 20.46 below lsd, Oct. 21, 1953. Records available: 1950-53. Mar. 19, 16.62; Oct. 21, 20.46. Measurement discontinued.

4. J. M. Cunningham. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 2 N., R. 26 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 200 feet, cased to 200. Land-surface datum is 1,608.5 feet above msl. Highest water level 11.07 below lsd, Nov. 16, 1950; lowest 19.16 below lsd, Oct. 21, 1953. Records available: 1950-53. Mar. 19, 16.20; Oct. 21, 19.16.

5. H. B. Bartlett. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 1 N., R. 26 W. Drilled irrigation well in rocks of Permian age, diameter 14 inches, reported depth 54 feet, screen 40-54. Land-surface datum is 1,699 feet above msl. Highest water level 14.25 below lsd, Nov. 16, 1950; lowest 24.66 below lsd, Apr. 26, 1951. Records available: 1950-51, 1953. Mar. 20, 17.40; Oct. 20, 17.88; Nov. 23, 15.98. Measurement discontinued.

6. J. R. McClendon. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 1 N., R. 27 W. Drilled unused well in rocks of Permian age, diameter 14 inches, reported depth 54 feet. Highest water level 14.80 below lsd, Nov. 16, 1950; lowest 23.52 below lsd, Apr. 26, 1951. Records available: 1950-53. Mar. 20, 18.30; Oct. 20, 18.41. Measurement discontinued.

7. T. C. Gilbert. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 2 N., R. 26 W. Drilled irrigation well in rocks of Permian age. Highest water level 31.51 below lsd, Nov. 16, 1950; lowest 35.32 below lsd, Oct. 20, 1953. Records available: 1950, 1952-53. Mar. 20, 34.81; Oct. 20, 35.32.

8. Oscar Bryant. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 2 N., R. 25 W. Drilled irrigation artesian well in rocks of Permian age, reported depth 112 feet. Highest water level 20.27 below lsd, Nov. 16, 1950; lowest 29.65 below lsd, Aug. 21, 1953. Records available: 1950, 1952-53. Aug. 21, 29.65; Nov. 23, 27.57. Measurement discontinued.

9. Oscar Bryant. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 2 N., R. 25 W. Drilled unused artesian well, diameter 14 inches, reported depth 112 feet. Highest water level 20.02 below lsd, Nov. 16, 1950; lowest 20.26 below lsd, Mar. 20, 1952. Records available: 1950, 1952. Measurement discontinued.

Harper County

1. G. P. Johnston. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, T. 26 N., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 30 feet. Highest water level 4.40 below lsd, July 9, 1951; lowest 13.06 below lsd, Nov. 27, 1940. Records available: 1940-53. May 3, 7.26; May 27, 7.27; July 26, 8.94; Oct. 30, 8.99.

Jackson County

1. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 2 N., R. 18 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 9 feet, cased to 7. Highest water level 5.91 below lsd, Oct. 19, 1947; lowest 8.30 below lsd, Feb. 6, 1952. Records available: 1947-53. Mar. 20, 7.45; Oct. 16, 7.57.

3. Ivan Owen. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 2 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 90 feet. Highest water level 25.55 below lsd, Oct. 20, 1949; lowest 36.04 below lsd, Nov. 23, 1953. Records available: 1948-53. Mar. 18, 32.55; Nov. 23, 36.04.

4. Buddy Bryant. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, depth 127 feet, perforations 40-127. Highest water level 29.54 below lsd, Nov. 14, 1950; lowest 49.47 below lsd, Oct. 22, 1953. Records available: 1948-53. Mar. 17, 41.81; Oct. 22, 49.47.

5. Barney O. Yates. S $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 35, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, depth 120 feet. Highest water level 26.27 below lsd, June 10, 1948; lowest 39.10 below lsd, Aug. 7, 1953. Records available: 1948-53. Mar. 17, 37.18; Aug. 7, 39.10; Nov. 23, 38.80.

6. Ivan Owen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, depth 100 feet. Highest water level 19.40 below lsd, Nov. 15, 1950; lowest 30.33 below lsd, Apr. 25, 1951. Records available: 1949-52. Measurement discontinued.

7. Ivan Owen. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 42 feet, perforations 36-42. Highest water level 14.61 below lsd, Nov. 15, 1950; lowest 21.17 below lsd, Apr. 15, 1949. Records available: 1949-53. Mar. 17, 30.07. Measurement discontinued.

8. S. L. Spraggins. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 3 N., R. 23 W. Drilled unused artesian well in rocks of Permian age, diameter 14 inches, reported depth 125 feet. Highest water level 29.28 below lsd, Oct. 26, 1950; lowest 46.63 below lsd, Oct. 22, 1953. Records available: 1950-53. Mar. 17, 37.63; Oct. 22, 46.63. Measurement discontinued.

9. Spraggins. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 118 feet, cased to 118. Highest water level 22.22 below lsd, Nov. 15, 1950; lowest 36.05 below lsd, Nov. 20, 1953. Records available: 1949-50, 1952-53. Mar. 17, 31.10; Nov. 20, 36.05.

10. Fred W. Tigert. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 130 feet, cased to 24. Highest water level 44.39 below lsd, Nov. 14, 1950; lowest 62.54 below lsd, Oct. 22, 1953. Records available: 1949-53. Mar. 17, 53.35; Oct. 22, 62.54. Measurement discontinued.

11. E. F. Walker. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 105 feet, cased to 42. Highest water level 25.54 below lsd, Nov. 15, 1950; lowest 35.28 below lsd, Nov. 20, 1953. Records available: 1950, 1952-53. Nov. 20, 35.28.

12. Alvin and Herbert Robertson. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches, reported depth 120 feet, perforations 60-120. Highest water level 39.48 below lsd, Nov. 14, 1950; lowest 53.06 below lsd, Nov. 23, 1953. Records available: 1949-53. Mar. 17, 50.60; Nov. 23, 53.06. Measurement discontinued.

14. Herbert Onan. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 2 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 90 feet, cased to 31. Highest water level 26.50 below lsd, Nov. 14, 1950; lowest 37.55 below lsd, Oct. 21, 1953. Records available: 1950-53. Mar. 18, 32.01; Oct. 21, 37.55. Measurement discontinued.

15. Criswell. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 14 inches. Highest water level 19.42 below lsd, Nov. 15, 1950; lowest 32.45 below lsd, Nov. 20, 1953. Records available: 1950-53. Mar. 17, 27.21; Nov. 20, 32.45. Measurement discontinued.

16. Marshall Carroll. $SE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$ sec. 33, T. 3 N., R. 23 W. Drilled irrigation artesian well in rocks of Permian age, diameter 16 inches, reported depth 75 feet, cased to 71, perforations 50-71. Highest water level 24.14 below lsd, Nov. 15, 1950; lowest 35.79 below lsd, Nov. 20, 1953. Records available: 1948, 1950, 1952-53. Mar. 17, 30.47; Nov. 20, 35.79. Measurement discontinued.

Kay County

1. City of Ponca City well 5. $SE\frac{1}{4}SE\frac{1}{4}NW\frac{1}{4}$ sec. 26, T. 26 N., R. 2 E. Dug public-supply water-table well in alluvium, diameter 30 inches, reported depth 38 feet. Highest water level 2.30 below lsd, July 5, 1951; lowest 28.83 below lsd, Dec. 30, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	22.75	Apr. 9	25.78	July 10	26.94	Oct. 8	28.54
8	22.98	16	25.91	16	26.91	15	28.60
15	23.31	23	26.05	23	26.95	22	28.67
22	23.50	30	26.20	30	27.02	29	28.63
29	23.73	May 7	26.23	Aug. 6	27.18	Nov. 5	28.68
Feb. 5	24.02	14	26.05	13	27.30	12	28.72
12	24.40	21	26.20	20	27.52	19	28.68
19	24.65	28	26.35	27	27.74	26	28.70
26	24.85	June 4	26.52	Sept. 3	27.92	Dec. 3	28.75
Mar. 5	25.00	11	26.62	10	28.00	10	28.70
12	25.20	18	26.70	17	28.20	17	28.77
19	25.41	25	26.82	24	28.36	24	28.80
26	25.57	July 3	26.88	Oct. 1	28.47	30	28.83
Apr. 2	25.73						

Kingfisher County

1. R. V. Sturgeon. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 10, T. 19 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 15 inches, depth 31 feet, cased to 31. Land-surface datum is 1,149.8 feet above msl. Highest water level 10.70 below lsd, June 5, 1951; lowest 17.40 below lsd, Oct. 31, 1952. Records available: 1950-53.

Jan. 29	16.20	Apr. 27	15.75	Sept. 28	16.36	Nov. 30	16.18
Feb. 26	16.07	May 28	15.89	Oct. 30	16.37	Dec. 30	15.98
Mar. 31	15.90	June 29	16.84				

2. John Hladik. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 3, T. 19 N., R. 8 W. Drilled unused water-table well in terrace deposit, diameter 5 inches, depth 48 feet, cased to 48. Land-surface datum is 1,227.8 feet above msl. Highest water level 17.88 below lsd, Aug. 8, 1951; lowest 21.35 below lsd, July 14, 1950. Records available: 1950-53.

Jan. 29	19.68	Apr. 27	19.70	July 30	20.58	Oct. 30	20.90
Feb. 26	19.72	May 28	20.30	Aug. 31	20.73	Nov. 30	20.93
Mar. 30	19.55	June 29	20.64	Sept. 28	20.80	Dec. 30	20.99

3. John Goetzinger. $NE\frac{1}{4}SE\frac{1}{4}$ sec. 10, T. 18 N., R. 7 W. Drilled unused artesian well in rocks of Permian age, diameter 6 inches, depth 30 feet. Land-surface datum is 1,097.1 feet above msl. Highest water level 20.85 below lsd, Sept. 3, 1950; lowest 22.49 below lsd, Apr. 27, 1953. Records available: 1950-53.

Jan. 29	21.45	Apr. 27	22.49	July 30	21.50	Oct. 30	21.55
Feb. 26	21.45	May 28	21.49	Aug. 31	21.52	Nov. 30	21.56
Mar. 30	21.49	June 29	21.54	Sept. 28	21.56	Dec. 30	21.53

4. H. B. Stinson. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 21, T. 18 N., R. 7 W. Drilled unused water-table well in terrace deposit, diameter 5 inches, depth 63 feet. Land-surface datum is 1,081.1 feet above msl. Highest water level 29.43 below lsd, Sept. 27, 1951; lowest 32.34 below lsd, Oct. 30, 1953. Records available: 1950-53.

Jan. 29	31.25	Apr. 27	31.22	July 30	32.09	Oct. 30	32.34
Feb. 26	31.30	May 28	31.48	Aug. 31	32.19	Nov. 30	32.21
Mar. 30	31.16	June 29	31.93	Sept. 28	32.31	Dec. 30	32.11

6. Donald Perigo. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 13, T. 18 N., R. 8 W. Driven unused water-table well in alluvium, diameter $1\frac{1}{2}$ inches, depth 9 feet, cased to 9. Land-surface datum is 1,090.4 feet above msl. Highest water level 1.15 below lsd, Feb. 28, 1951; lowest 5.00 below lsd, Sept. 29, 1952. Records available: 1950-53. Jan. 29, 1.74; Feb. 26, 1.64; Mar. 30, 1.65; Apr. 27, 1.88; May 28, 3.00. Measurement discontinued.

7. L. G. Watson. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 19 N., R. 8 W. Drilled irrigation water-table well in terrace deposit, diameter 16 inches, depth 67 feet, screen 52-67. Land-surface datum is 1,170.3 feet above msl. Highest water level 16.02 below lsd, July 9, 1951; lowest 17.54 below lsd, July 14, 1950. Records available: 1950-51. Measurement discontinued.

8. Darrell Goe. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 19 N., R. 7 W. Drilled irrigation water-table well in terrace deposit, diameter 16 inches, depth 92 feet, cased to 92. Land-surface datum is 1,182.7 feet above msl. Highest water level 37.50 below lsd, Sept. 29, 1952; lowest 43.89 below lsd, June 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	43.19	Apr. 27	43.47	June 29	43.89	Aug. 31	43.61
Feb. 26	43.30	May 28	43.64	July 30	43.79	Sept. 28	43.61
Mar. 30	43.32						

9. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 19 N., R. 8 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$ inches, depth 65 feet, screen 63-65. Land-surface datum is 1,193 feet above msl. Highest water level 18.41 below lsd, Dec. 29, 1952; lowest 22.26 below lsd, July 14, 1950. Records available: 1950-53. Jan. 29, 21.09; Feb. 26, 21.22.

10. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 19 N., R. 9 W. Driven observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$ inches, depth 16 feet, screen 4-16. Land-surface datum is 1,162.9 feet above msl. Highest water level 7.85 below lsd, Sept. 27, 1951; lowest 11.15 below lsd, Nov. 30, 1953. Records available: 1950-53.

Jan. 29	10.28	Apr. 27	10.36	July 30	9.84	Oct. 30	10.13
Feb. 26	10.32	May 28	10.50	Aug. 31	9.91	Nov. 30	11.15
Mar. 31	10.33	June 29	10.73	Sept. 28	10.02	Dec. 30	10.26

Kiowa County

2. Edith L. Wright. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 2 N., R. 17 W. Dug unused water-table well in Hennessy shale, depth 42 feet. Highest water level 34.21 below lsd, Aug. 8, 1952; lowest 39.58 below lsd, Oct. 19, 1947. Records available: 1947-53. Oct. 16, 37.44.

McClain County

3. Grace T. Olsen and others. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 8 N., R. 4 W. Drilled unused water-table well in Duncan sandstone of Gould, diameter 1 $\frac{1}{4}$ inches, depth 36 feet. Highest water level 13.91 below lsd, Aug. 23, 1949; lowest 19.96 below lsd, Oct. 14, 1953. Records available: 1948-53. Jan. 22, 17.47; Oct. 14, 19.96; Oct. 31, 19.17; Nov. 27, 19.41.

McCurtain County

1. W. M. George. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 7 S., R. 24 E. Drilled unused artesian well in sand of Trinity group, diameter 6 inches, depth 142 feet. Highest water level 95.66 below lsd, May 23, 1950; lowest 99.19 below lsd, Nov. 29, 1952. Records available: 1949-53.

Jan. 28	98.71	May 5	98.70	July 28	97.00	Oct. 29	98.85
Mar. 4	98.60	28	97.85	Aug. 28	97.81	Nov. 30	99.08
Apr. 1	98.69	June 28	97.41	Sept. 29	98.32	Dec. 29	98.85

4. Lynch. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, T. 7 S., R. 25 E. Dug unused water-table well in Woodbine formation, diameter 32 inches, depth 16 feet. Land-surface datum is 414.2 feet above msl. Highest water level 2.22 below lsd, Apr. 24, 1952; lowest dry at 15.30, Nov. 30, Dec. 29, 1953. Records available: 1949-53.

Jan. 28	5.75	May 5	5.69	July 28	8.75	Oct. 29	13.57
Mar. 5	5.55	28	4.02	Aug. 28	11.86	Nov. 30	f15.30
Apr. 1	5.60	June 27	7.21	Sept. 30	13.89	Dec. 29	f15.30

f Dry.

5. O. L. Hurn. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 8 S., R. 23 E. Drilled unused artesian well in sand of Trinity group, diameter 6 inches, depth 272 feet, cased to 40. Land-surface datum is 451.3 feet above msl. Highest water level 1.21 below lsd, Feb. 1, 1950; lowest 63.80 below lsd, Sept. 29, 1951. Records available: 1948-53.

Jan. 27	62.60	May 5	62.50	July 28	61.78	Oct. 29	62.61
Mar. 5	62.62	28	60.25	Aug. 27	62.25	Nov. 30	62.72
Apr. 1	62.69	June 27	63.02	Sept. 29	62.49	Dec. 29	62.62

9. Luise Westly. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 28, T. 6 S., R. 23 E. Dug unused water-table well in sand of Trinity group, size 30 by 30 inches, depth 25 feet. Land-surface datum is 382.1 feet above msl. Highest water level 10.67 below lsd, Feb. 6, 1950; lowest dry at 21.60, Oct. 29, Nov. 30, Dec. 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	18.09	May 5	14.49	July 28	17.45	Oct. 29	f21.60
Mar. 4	16.51	28	12.78	Aug. 28	19.24	Nov. 30	f21.60
Apr. 2	14.39	June 28	15.90	Sept. 30	21.59	Dec. 29	f21.60

f Dry.

10. Murdock. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 1, T. 7 S., R. 24 E. Dug unused water-table well in sand of Trinity group, size 24 by 24 inches, depth 19 feet, cased to 4. Land-surface datum is 372.17 feet above msl. Highest water level 4.98 below lsd, Apr. 24, 1952; lowest dry at 15.50, Sept. 30, Oct. 29, Nov. 30, Dec. 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	11.34	May 5	10.50	July 28	13.74	Oct. 29	f15.50
Mar. 5	10.65	28	10.61	Aug. 28	14.19	Nov. 30	f15.50
Apr. 1	10.35	June 28	13.46	Sept. 30	f15.50	Dec. 30	f15.50

f Dry.

11. Brantly. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 27, T. 6 S., R. 25 E. Dug unused water-table well in sand of Trinity group, size 5 by 5 feet, depth 26 feet, cased to 3. Land-surface datum is 440.45 feet above msl. Highest water level 1.55 below lsd, Apr. 24, 1952; lowest dry at 21.45, Sept. 27, 1952, Sept. 30, Oct. 29, Nov. 30, Dec. 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	7.51	May 5	6.86	July 28	12.97	Oct. 29	f21.45
Mar. 5	7.00	28	4.92	Aug. 28	16.48	Nov. 30	f21.45
Apr. 1	7.60	June 28	13.24	Sept. 30	f21.45	Dec. 29	f21.45

f Dry.

13. J. W. Fisher. $NE\frac{1}{4}SE\frac{1}{4}$ sec. 4, T. 7 S., R. 24 E. Dug unused water-table well in sand of Trinity group, size 35 by 35 inches, depth 40 feet. Land-surface datum is 411.8 feet above msl. Highest water level 18.50 below lsd, June 4, 1952; lowest 29.90 below lsd, Oct. 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	27.34	May 5	27.24	July 28	23.50	Oct. 29	29.90
Mar. 4	27.22	28	27.35	Aug. 28	24.87	Nov. 30	27.70
Apr. 2	27.15	June 28	21.68	Sept. 30	26.07	Dec. 29	28.30

15. H. L. Latimer. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 29, T. 8 S., R. 24 E. Dug unused water-table well in alluvium, size 30 by 30 inches, depth 19 feet, cased to 4. Land-surface datum is 351.5 feet above msl. Highest water level 1.29 below lsd, Feb. 23, 1952; lowest 12.35 below lsd, Nov. 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	3.72	May 5	2.99	July 28	8.13	Nov. 30	12.35
Mar. 5	3.11	28	3.54	Aug. 28	9.49	Dec. 29	11.75
Apr. 1	2.89	June 27	7.14	Oct. 29	11.90		

18. Lone Star Grocery Co. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 28, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 20 inches, depth 19 feet, cased to 2. Land-surface datum is 481.01 feet below msl. The well is in a swampy area. At times the water level is at or near the surface. Highest water level 0.00 below lsd, Apr. 24, 1952; lowest 10.97 below lsd, Nov. 1, 1952. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	0.18	May 5	0.59	July 28	5.17	Oct. 29	10.93
Mar. 4	.16	28	1.36	Aug. 27	8.08	Nov. 30	10.41
Apr. 1	.18	June 27	6.31	Sept. 29	9.95	Dec. 29	8.54

19. Maud Jackson. $NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$ sec. 32, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, size 32 by 32 inches, depth 19 feet, cased to 5. Land-surface datum is 450.52 feet above msl. Highest water level 1.62 below lsd, Apr. 24, 1952; lowest 14.11 below lsd, Oct. 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	2.38	May 5	2.20	July 28	10.02	Oct. 29	14.11
Mar. 4	1.85	28	3.44	Aug. 27	12.81	Nov. 30	14.03
Apr. 1	2.09	June 27	8.88	Sept. 29	14.03	Dec. 29	14.10

20. Margaret H. Hubanks. $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ sec. 29, T. 7 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 23 inches, depth 15 feet, cased to 12. Land-surface datum is 472.4 feet above msl. Highest water level 1.00 below lsd, Apr. 24, 1952; lowest 10.95 below lsd, Nov. 30, 1953. Records available: 1950-53.

20--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	1.71	May 5	1.38	July 28	6.89	Oct. 29	10.45
Mar. 4	1.08	28	2.85	Aug. 27	8.17	Nov. 30	10.95
Apr. 1	1.29	June 27	5.98	Sept. 29	9.71	Dec. 29	10.93

21. John Derryberry, Jr. NE $\frac{1}{4}$ sec. 14, T. 8 S., R. 23 E. Dug unused water-table well in Woodbine formation, diameter 30 inches, depth 41 feet, cased to 5. Land-surface datum is 429.9 feet above msl. Highest water level 1.58 below lsd, Apr. 24, 1952; lowest 12.96 below lsd, Dec. 29, 1953. Records available: 1950-53.

Jan. 27	2.54	May 5	2.99	July 28	7.38	Oct. 29	10.83
Mar. 5	2.61	28	2.93	Aug. 28	8.65	Nov. 30	12.03
Apr. 1	2.95	June 27	5.97	Sept. 29	9.79	Dec. 29	12.96

22. Oren C. Hicks. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 8 S., R. 23 E. Drilled unused water-table well in Woodbine formation, diameter 6 inches, depth 28 feet, cased to 25. Land-surface datum is 450.9 feet above msl. Highest water level 0.18 below lsd, Jan. 27, 1953; lowest 14.59 below lsd, July 27, 1952. Records available: 1950-53.

Jan. 27	0.18	May 5	0.47	July 28	9.78	Oct. 29	7.26
Mar. 5	.20	28	1.25	Aug. 28	14.10	Nov. 30	8.28
Apr. 1	.34	June 27	3.86	Sept. 27	6.46	Dec. 29	8.66

23. Odel J. Parish. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 7 S., R. 22 E. Dug unused water-table well in Woodbine formation, size 21 by 21 inches, depth 41 feet. Land-surface datum is 454.68 feet above msl. Highest water level 3.13 below lsd, Apr. 24, 1952; lowest 13.91 below lsd, Dec. 29, 1953. Records available: 1950-53.

Jan. 27	8.34	May 5	3.69	July 28	8.21	Oct. 29	13.03
Mar. 4	5.52	28	3.57	Aug. 27	10.26	Nov. 30	13.82
Apr. 1	3.62	June 27	7.94	Sept. 29	11.68	Dec. 29	13.91

25. H. L. Spencer. SE. cor. NE $\frac{1}{4}$ sec. 35, T. 8 S., R. 26 E. Dug unused water-table well in Tokio formation, diameter 24 inches, depth 18 feet, cased to 18. Highest water level 0.60 below lsd, Apr. 24, 1952; lowest 10.47 below lsd, Nov. 1, 1952. Records available: 1950-53.

Jan. 28	0.93	May 5	1.19	July 28	4.06	Oct. 29	6.76
Mar. 5	.90	28	2.10	Aug. 28	5.75	Nov. 30	6.83
Apr. 1	1.28	June 27	4.25	Sept. 30	6.38	Dec. 29	5.12

26. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 9 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 16 feet, cased to 16. Land-surface datum is 346.68 feet above msl. Highest water level 6.14 below lsd, June 4, 1952; lowest 11.23 below lsd, Oct. 29, 1953. Records available: 1950-53.

Jan. 28	10.26	May 5	8.11	July 28	9.58	Oct. 29	11.23
Mar. 5	9.34	28	6.33	Aug. 28	9.94	Nov. 30	11.18
Apr. 1	8.02	June 27	8.54	Sept. 30	10.83	Dec. 29	10.96

27. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 9 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 18 feet, cased to 18. Land-surface datum is 338.64 feet above msl. Highest water level 6.14 below lsd, Apr. 24, 1952; lowest 14.80 below lsd, Nov. 30, 1953. Records available: 1950-53.

Jan. 28	14.24	May 5	11.33	July 28	12.58	Oct. 29	14.47
Mar. 5	13.04	28	8.28	Aug. 28	13.15	Nov. 30	14.80
Apr. 1	11.19	June 27	11.34	Sept. 30	13.72	Dec. 29	14.31

28. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 9 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 22 feet, cased to 22. Land-surface datum is 338.34 feet above msl. Highest water level 14.40 below lsd, Dec. 3, 1951; lowest 19.95 below lsd, May 28, 1951. Records available: 1950-53.

Jan. 28	19.14	May 5	19.09	Aug. 28	19.02	Nov. 30	19.10
Mar. 5	19.05	28	18.92	Sept. 30	19.06	Dec. 29	19.03
Apr. 1	19.03	July 28	18.99	Oct. 29	19.12		

29. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 10 S., R. 25 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 15 feet, cased to 15. Land-surface datum is 331.78 feet above msl. Highest water level 5.55 below lsd, Mar. 1, 1951; lowest 13.84 below lsd, Nov. 1, 1952. Records available: 1950-53.

29--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	11.72	May 5	9.92	Sept. 30	11.66	Nov. 30	13.04
Mar. 5	11.55	July 28	10.38	Oct. 29	12.48	Dec. 29	12.53
Apr. 1	9.85	Aug. 28	10.49				

32. U. S. Geol. Survey. NE. cor. sec. 22, T. 7 S., R. 21 E. Drilled observation artesian well in sand of Trinity group, diameter 6 inches, depth 322 feet, cased to 308. Highest water level 13.91 below lsd, Oct. 3, 1951; lowest 16.94 below lsd, Nov. 10-11, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.79	15.88	.....	15.79	15.51	15.87	16.22	.....	16.55	.....	16.84	16.90
2	15.83	15.84	.....	15.81	15.61	15.88	16.18	.....	16.55	.....	16.86	16.85
3	15.88	15.82	15.87	15.85	15.71	15.88	16.19	.....	16.52	.....	16.88	16.75
4	15.85	15.83	15.95	15.88	15.80	15.87	16.21	.....	16.52	.....	16.88	16.70
5	15.83	15.81	15.96	15.85	15.84	15.85	16.23	.....	16.53	.....	16.88	16.70
6	15.80	15.86	15.98	15.72	15.84	15.88	16.24	.....	16.52	.....	16.86	16.71
7	15.78	15.89	16.02	15.66	15.79	15.88	16.24	.....	16.53	.....	16.87	16.75
8	15.78	15.91	16.03	15.62	15.80	15.87	16.26	.....	16.54	.....	16.88	16.75
9	15.85	15.91	16.02	15.65	15.81	15.88	16.29	.....	16.55	.....	16.92	16.73
10	15.85	15.91	15.92	15.75	15.78	15.95	16.32	.....	16.55	.....	16.94	16.76
11	15.94	15.89	15.83	15.75	15.79	15.99	16.32	.....	16.55	.....	16.94	16.76
12	15.94	15.89	15.81	15.76	15.76	16.01	16.31	.....	16.56	.....	16.91	16.72
13	15.90	15.89	15.81	15.87	15.80	16.01	16.28	.....	16.56	.....	16.90	16.71
14	15.83	15.87	15.84	15.89	15.80	16.00	16.27	.....	16.55	.....	16.92	16.71
15	15.92	15.86	15.90	15.89	15.75	15.95	16.27	.....	16.55	.....	16.92	16.73
16	15.97	15.96	15.91	15.93	15.67	15.95	16.28	.....	16.55	.....	16.90	16.77
17	15.93	15.96	15.85	15.94	15.60	16.01	16.30	.....	16.56	.....	16.87	16.83
18	15.81	15.96	15.76	15.87	15.58	16.03	16.31	.....	16.57	.....	16.85	16.86
19	15.59	15.90	15.77	15.99	15.60	16.04	16.30	.....	16.58	.....	16.83	16.86
20	15.70	15.89	15.70	16.05	15.60	16.04	.....	.....	16.59	.....	16.80	16.82
21	15.74	15.91	15.62	16.06	15.61	16.06	.....	.....	16.66	.....	16.76	16.72
22	15.73	15.94	15.68	15.99	15.64	16.07	.....	.....	16.68	.....	16.76	16.76
23	15.74	15.96	15.76	15.92	15.70	16.09	.....	.....	16.68	.....	16.78	16.85
24	15.86	15.96	15.85	15.89	15.73	16.11	.....	.....	16.68	.....	16.78	16.88
25	15.88	15.90	15.88	15.81	15.78	16.11	.....	.....	16.68	.....	16.73	16.87
26	15.81	15.89	15.88	15.89	15.82	16.12	.....	.....	16.66	.....	16.79	16.84
27	15.85	.....	15.87	15.90	15.85	16.16	.....	16.52	16.64	.....	16.81	16.81
28	15.91	.....	15.88	15.90	15.87	16.18	.....	16.52	16.65	.....	16.85	16.72
29	15.91	.....	15.85	15.77	15.85	16.22	.....	16.50	.....	16.81	16.89	16.70
30	15.84	.....	15.79	15.52	15.84	16.23	.....	16.52	.....	16.84	16.91	16.77
31	15.86	.....	15.73	.....	15.84	.....	.....	16.54	.....	16.84	.....	16.81

h Tape measurement.

Major County

2. Ned Woods. SE. cor. sec. 20, T. 21 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 50 feet, cased to 50. Land-surface datum is 1,234.6 feet above msl. Highest water level 16.97 below lsd, Dec. 5, 1951; lowest 20.61 below lsd, June 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	18.87	Apr. 27	19.58	Sept. 28	19.12	Dec. 1	19.11
Feb. 26	19.04	June 30	20.61	Oct. 29	19.24	30	19.40
Mar. 31	19.63	July 31	18.79				

3. George Suit. NE. cor. sec. 4, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 60 feet, cased to 60. Land-surface datum is 1,225.7 feet above msl. Highest water level 22.23 below lsd, Mar. 17, 1952; lowest 24.50 below lsd, July 17, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	23.31	Apr. 28	23.34	July 31	23.34	Oct. 29	23.10
Feb. 26	23.34	May 29	23.50	Sept. 1	23.23	Dec. 1	22.97
Mar. 31	23.53	June 30	23.83	29	23.15	30	23.10

4. W. H. Winfree. Formerly Mrs. N. A. Morris. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 21 N., R. 10 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 40 feet, cased to 40. Land-surface datum is 1,213.6 feet above msl. Highest water level 19.37 below lsd, Sept. 5, 1951; lowest 21.58 below lsd, Dec. 22-23, 29-31, 1953. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.67	.....	20.84	20.89	20.96	21.00	.....	.....	h21.25	21.36	.....	.....
2	20.68	.....	20.84	20.89	20.97	21.00	.....	.....	21.26	21.36	21.43	.....
3	20.68	20.81	.....	20.89	20.97	21.00	.....	.....	21.27	21.37	21.44	.....
4	20.68	20.81	.....	20.88	20.97	21.01	.....	.....	21.27	21.37	21.44	h21.52
5	20.68	20.81	.....	20.87	20.96	21.01	.....	.....	21.27	21.37	21.44	21.52
6	20.69	20.81	.....	20.87	20.95	21.02	.....	.....	21.27	21.37	21.44	21.53
7	20.70	20.82	.....	20.86	20.95	21.00	.....	.....	21.27	21.37	21.45	21.51
8	20.71	20.81	.....	20.88	20.95	21.01	.....	.....	21.27	21.37	21.45	21.53
9	20.71	20.82	.....	20.90	20.94	21.02	.....	.....	21.27	21.37	.....	21.53
10	20.71	20.83	20.84	20.90	20.96	21.02	.....	.....	21.27	21.37	21.47	21.52
11	20.72	20.83	20.85	20.89	20.95	21.02	.....	.....	21.28	21.37	21.48	21.53
12	20.70	20.83	20.86	20.90	20.97	21.02	.....	.....	21.28	21.38	21.48	21.53
13	20.70	20.83	20.86	20.90	20.97	21.02	.....	.....	21.28	21.39	21.48	21.53
14	20.69	20.83	20.87	20.89	20.96	21.01	.....	.....	21.28	21.39	21.48	21.53
15	20.75	20.82	20.87	20.91	20.95	21.02	.....	.....	21.28	21.39	21.48	21.54
16	20.75	20.84	20.86	20.91	20.95	21.03	.....	.....	21.28	21.40	21.48	21.54
17	20.71	20.83	20.84	20.92	20.96	21.03	.....	.....	21.28	21.40	21.48	21.54
18	20.71	20.81	20.87	20.92	20.96	21.03	.....	.....	21.29	21.40	21.48	21.54
19	20.72	20.82	20.87	20.92	20.98	21.03	.....	.....	.....	21.41	21.49	21.52
20	20.74	20.84	20.84	20.92	20.97	21.04	.....	.....	.....	21.41	21.49	21.50
21	20.73	20.84	20.86	.....	20.98	21.04	.....	.....	.....	21.42	21.49	21.52
22	20.74	20.84	20.87	.....	20.99	21.05	.....	.....	21.29	21.42	21.49	21.58
23	20.74	20.84	20.88	.....	20.99	21.05	.....	.....	21.28	21.43	21.49	21.58
24	20.75	20.83	20.89	.....	20.98	21.05	.....	.....	21.29	21.42	21.50	.....
25	20.74	20.83	20.89	.....	20.99	21.07	.....	.....	21.29	21.42	21.50	.....
26	20.74	20.83	20.88	.....	20.99	21.07	.....	.....	21.29	21.43	21.50	.....
27	.....	h20.85	20.89	.....	20.99	21.08	.....	.....	21.29	21.44	21.51	.....
28	.....	20.85	20.89	20.91	20.99	21.08	.....	.....	21.29	21.44	21.51	.....
29	.....	.....	20.87	20.91	20.99	21.08	.....	.....	h21.34	21.44	21.51	21.58
30	h20.73	.....	20.87	20.92	20.99	.....	.....	.....	21.36	.....	21.51	21.58
31	.....	.....	20.89	.....	21.00	.....	.....	.....	.....	.....	h21.58	.....

h Tape measurement.

5. U. S. Geol. Survey. NW. cor. sec. 28, T. 20 N., R. 16 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 26 feet, cased to 26. Highest water level 9.49 below lsd, July 9, 1951; lowest dry at 16.30, Aug. 8, Oct. 13, 1952. Records available: 1951-53. May 1, 15.05; July 26, 15.83; Oct. 31, 16.10.

6. Victor I. Cooper. SW. cor. sec. 5, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 24 inches, depth 53 feet, cased to 53. Land-surface datum is 1,174.3 feet above msl. Highest water level 4.16 below lsd, July 11, 1951; lowest 10.38 below lsd, June 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	9.59	Apr. 28	9.42	July 31	7.57	Oct. 29	8.65
Feb. 27	9.54	May 29	9.59	Sept. 1	8.32	Dec. 4	8.60
Mar. 31	9.45	June 30	10.38	29	8.46	31	8.64

7. Ira Fyffe. SE. cor. sec. 10, T. 21 N., R. 9 W. Drilled unused well in rocks of Permian age and terrace deposit, diameter 4 inches, depth 71 feet. Land-surface datum is 1,314.4 feet above msl. Highest water level 18.04 below lsd, Aug. 7, 1951; lowest 29.62 below lsd, June 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	26.02	Apr. 27	26.12	July 31	27.46	Oct. 30	27.13
Feb. 26	26.67	May 28	28.84	Aug. 31	26.08	Nov. 30	28.09
Mar. 31	27.35	June 29	29.62	Sept. 28	26.73	Dec. 30	28.65

8. C. E. Stull. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 15 feet, cased to 15. Land-surface datum is 1,229.1 feet above msl. Highest water level 7.14 below lsd, June 5, 1951; lowest 13.49 below lsd, Oct. 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	12.85	Apr. 27	12.19	July 31	12.09	Oct. 30	13.49
Feb. 26	12.70	May 28	12.00	Aug. 31	12.35	Nov. 30	13.37
Mar. 31	12.41	June 29	12.93	Sept. 28	13.25	Dec. 30	13.09

10. W. D. Fyffe. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 2 inches, depth 53 feet. Land-surface datum is 1,274.5 feet above msl. Highest water level 30.88 below lsd, June 27, 1952; lowest 34.68 below lsd, Apr. 7, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	31.44	Apr. 27	31.40	July 31	31.78	Oct. 30	32.12
Feb. 26	31.34	May 28	31.48	Aug. 31	31.79	Nov. 30	32.15
Mar. 31	31.29	June 29	31.80	Sept. 28	32.17	Dec. 30	32.22

11. Mrs. Bessie Turner. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 3 inches, depth 24 feet. Land-surface datum is 1,269.5 feet above msl. Highest water level 13.87 below lsd, Aug. 8, 1951; lowest 19.44 below lsd, July 22, 1950. Records available: 1950-53.

Jan. 29	17.20	Apr. 27	18.00	July 30	18.50	Oct. 30	18.75
Feb. 26	17.50	May 28	18.33	Aug. 31	18.30	Nov. 30	18.92
Mar. 31	17.80	June 29	18.61	Sept. 28	18.43	Dec. 30	19.18

12. J. A. Pierce. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 21 N., R. 9 W. Drilled unused water-table well in terrace deposit, diameter 6 inches, depth 19 feet. Land-surface datum is 1,185.9 feet above msl. Highest water level 2.26 below lsd, July 11, 1951; lowest 8.33 below lsd, Oct. 31, 1952. Records available: 1950-53.

Jan. 30	7.34	Apr. 28	5.72	July 29	6.09	Oct. 29	7.27
Feb. 26	6.89	May 29	5.86	Sept. 1	6.64	Dec. 4	6.97
Mar. 31	6.23	June 30	6.86	29	6.96	31	6.41

13. Detrick. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 4 inches, depth 40 feet. Land-surface datum is 1,201.1 feet above msl. Highest water level 31.90 below lsd, July 11, 1951; lowest dry at 40.00, Sept. 5, 1951, Feb. 26, Mar. 31, Apr. 28, 1953. Records available: 1950-53.

Jan. 30	39.84	Apr. 28	40.00	July 31	36.44	Oct. 29	36.56
Feb. 26	40.00	May 29	38.69	Sept. 1	36.11	Dec. 1	36.42
Mar. 31	40.00	June 30	39.87	29	35.63	31	36.92

f Dry.

14. George Patten. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 20 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 6 inches, depth 34 feet. Land-surface datum is 1,249.4 feet above msl. Highest water level 18.87 below lsd, June 27, 1952; lowest 23.78 below lsd, July 28, 1950. Records available: 1950-53.

Jan. 29	20.49	May 28	19.93	Aug. 31	21.13	Nov. 30	21.28
Feb. 26	20.63	June 29	20.17	Sept. 28	21.15	Dec. 30	21.35
Apr. 27	20.80	July 30	21.17	Oct. 30	21.29		

15. Hallie Bowles. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 20 N., R. 9 W. Dug unused water-table well in terrace deposit, diameter 32 inches, depth 19 feet. Land-surface datum is 1,229.6 feet above msl. Highest water level 13.36 below lsd, Sept. 3, 20, 1950; lowest 13.98 below lsd, Apr. 27, June 29, 1953. Records available: 1950-53.

Jan. 29	13.89	Apr. 27	13.98	July 30	13.80	Oct. 30	13.75
Feb. 26	13.95	May 28	13.97	Aug. 31	13.80	Nov. 30	13.81
Mar. 31	13.96	June 29	13.98	Sept. 28	13.77	Dec. 30	13.85

16. L. M. Sturgeon. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 20 N., R. 9 W. Driven unused water-table well in terrace deposit, diameter 1 $\frac{1}{2}$ inches, depth 51 feet, cased to 51. Land-surface datum is 1,214.1 feet above msl. Highest water level 16.09 below lsd, June 5, 1951; lowest 24.92 below lsd, July 13, 1950. Records available: 1950-53.

Jan. 29	24.06	Apr. 27	23.91	July 30	21.88	Oct. 30	24.24
Feb. 26	24.01	May 28	22.33	Aug. 31	23.32	Nov. 30	24.51
Mar. 31	23.98	June 29	23.50	Sept. 28	23.49	Dec. 30	22.99

17. George Crow. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 4 inches, depth 103 feet. Land-surface datum is 1,307.4 feet above msl. Highest water level 23.56 below lsd, Dec. 5, 1951; lowest 31.10 below lsd, Dec. 30, 1953. Records available: 1950-53.

Jan. 29	26.60	Apr. 27	27.02	July 31	28.23	Oct. 30	29.12
Feb. 26	26.76	May 28	27.42	Aug. 31	28.45	Dec. 1	29.40
Mar. 31	26.87	June 29	27.85	Sept. 28	28.78	30	31.10

18. Louis Ott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 21 N., R. 9 W. Drilled unused artesian well in rocks of Permian age, diameter 6 inches, depth 163 feet. Land-surface datum is 1,315.5 feet above msl. Highest water level 63.13 below lsd, Dec. 5, 1951, Feb. 1, 1952; lowest 67.37 below lsd, Sept. 5, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	63.94	Apr. 28	64.04	July 31	64.26	Oct. 29	64.96
Feb. 27	64.13	May 29	64.11	Sept. 1	64.49	Dec. 4	65.97
Mar. 31	64.20	June 30	64.60	29	64.69	31	64.09

19. K. E. Fisher. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, T. 20 N., R. 10 W. Driven unused water-table well in terrace deposit, diameter 1 $\frac{1}{4}$ inches, depth 27 feet. Land-surface datum is 1,156.7 feet above msl. Highest water level 15.66 below lsd, July 11, 1951; lowest 20.36 below lsd, Oct. 29, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	19.23	Apr. 28	19.19	July 31	19.94	Oct. 29	20.36
Feb. 27	19.22	May 29	19.39	Sept. 1	20.18	Dec. 4	20.13
Mar. 31	19.15	June 30	19.74	29	20.30	31	20.00

23. City of Fairview. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 32, T. 22 N., R. 11 W. Drilled unused water-table well in terrace deposit, diameter 12 inches, depth 36 feet, cased to 36. Land-surface datum is 1,264.7 feet above msl. Highest water level 20.76 below lsd, Dec. 27, 1950; lowest 25.24 below lsd, Feb. 27, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	25.09	Apr. 28	24.33	July 31	23.63	Oct. 29	22.85
Feb. 27	25.24	May 29	24.03	Sept. 1	23.30	Dec. 4	22.77
Mar. 31	24.69	June 30	24.75	29	23.06	31	23.89

24. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$ inches, depth 21 feet, cased to 20. Land-surface datum is 1,216.9 feet above msl. Highest water level 6.05 below lsd, July 11, 1951; lowest 14.33 below lsd, Oct. 31, 1952. Records available: 1950-53. Jan. 30, 13.84; Feb. 27, 13.78; Mar. 31, 13.74; Apr. 28, 13.69; May 29, 13.86; July 31, 14.13.

25. Carl A. Dittich. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 22 N., R. 10 W. Dug unused water-table well in terrace deposit, diameter 6 inches, depth 38 feet. Land-surface datum is 1,304 feet above msl. Highest water level 25.95 below lsd, Aug. 7, 1951; lowest 31.83 below lsd, July 13, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	28.94	Apr. 28	29.14	July 31	29.78	Oct. 29	30.10
Feb. 27	29.06	May 29	29.48	Sept. 1	29.92	Dec. 4	30.06
Mar. 31	29.22	June 30	29.73	29	29.99	31	30.33

26. City of Enid. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 6 inches, depth 60 feet, cased to 60. Land-surface datum is 1,239.7 feet above msl. Highest water level 29.20 below lsd, May 28, 1952; lowest 31.85 below lsd, Jan. 15, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	30.02	Apr. 28	29.98	July 31	30.89	Oct. 29	30.43
Feb. 26	30.13	May 29	30.35	Sept. 1	30.64	Dec. 1	30.08
Mar. 31	30.12	June 30	31.15	29	30.55	30	30.02

27. City of Enid. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 21 N., R. 9 W. Drilled observation water-table well in terrace deposit, diameter 6 inches, depth 63 feet, cased to 63. Land-surface datum is 1,232.6 feet above msl. Highest water level 22.98 below lsd, Dec. 5, 1951; lowest 31.09 below lsd, Sept. 20, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	24.53	Apr. 28	24.47	July 31	25.53	Oct. 29	24.99
Feb. 26	25.19	May 29	29.46	Sept. 1	26.34	Dec. 1	24.54
Mar. 31	24.65	June 30	28.36	29	28.84	30	24.53

28. Victor Laubhan. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 20 N., R. 9 W. Drilled irrigation water-table well in terrace deposit, diameter 10 inches, reported depth 67 feet. Land-surface datum is 1,180.6 feet above msl. Highest water level 3.41 below lsd, July 11, 1951; lowest 11.62 below lsd, Mar. 31, 1952. Records available: 1950-53. Feb. 26, 9.32; May 29, 10.20; June 30, 10.27; Oct. 29, 9.61; Dec. 4, 9.51; Dec. 31, 9.45.

29. U. S. Geol. Survey. NW. cor. sec. 24, T. 21 N., R. 10 W. Drilled observation water-table well in terrace deposit, diameter 1 $\frac{1}{4}$ inches, depth 53 feet, screen 51-53. Land-surface datum is 1,247.9 feet above msl. Highest water level 32.22 below lsd, Apr. 29, 1952; lowest 34.74 below lsd, July 22, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	32.56	Apr. 28	32.40	July 31	32.74	Oct. 29	33.03
Feb. 27	32.56	May 29	32.53	Sept. 1	32.90	Dec. 4	32.93
Mar. 31	32.53	June 30	32.73	29	32.98	31	33.00

31. U. S. Geol. Survey. NE. cor. sec. 19, T. 22 N., R. 10 W. Drilled observation water-table well in terrace deposit, diameter $1\frac{1}{4}$ inches, depth 80 feet, screen 78-80. Land-surface datum is 1,312.1 feet above msl. Highest water level 34.74 below lsd, Feb. 1, 1952; lowest 38.87 below lsd, July 6, 1950. Records available: 1950-52. Measurement discontinued.

Oklahoma County

1. Joslyn Production Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 13 N., R. 3 W. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 8 inches, reported depth 750 feet, cased to 750. Highest water level 150.07 below lsd, June 21, 1943; lowest 181.79 below lsd, Feb. 1, 1949. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	169.83	Apr. 30	172.92	July 23	178.55	Oct. 22	179.10
Feb. 24	171.35	May 29	174.13	Aug. 23	179.12	Nov. 24	177.09
Mar. 30	173.06	June 29	176.66	Sept. 24	178.55	Dec. 23	175.56

2. Sunray Oil Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 12 N., R. 3 W. 28th St. and Lindsay Ave., Oklahoma City. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 8 inches, depth 791 feet, cased to 791. Highest water level 172.92 below lsd, Apr. 29, 1952; lowest 206.85 below lsd, Aug. 29, 1946. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	177.45	Apr. 30	176.56	July 24	188.35	Oct. 22	183.70
Feb. 24	177.38	May 29	178.35	Aug. 23	181.38	Nov. 24	182.35
Mar. 30	177.45	June 29	179.60	Sept. 24	183.60	Dec. 23	178.50

3. Skelly Oil Co. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 12 N., R. 3 W. 18th St. and North Lottie Ave., Oklahoma City. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 8 inches, reported depth 827 feet, cased to 827. Highest water level 192.60 below lsd, Jan. 22, 1952; lowest 238.52 below lsd, Aug. 27, 1943. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	207.17	Apr. 30	198.73	July 24	208.83	Oct. 22	208.13
Feb. 24	200.09	May 29	201.27	Aug. 23	209.07	Nov. 24	204.43
Mar. 30	199.24	June 29	206.61	Sept. 24	209.30	Dec. 23	202.75

4. U. S. Air Force. Oklahoma City Air Depot. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 11 N., R. 2 W. Drilled unused artesian well in Garber sandstone and Wellington formation, diameter 10 to 7 inches, depth 703 feet. Highest water level 149.52 below lsd, May 5, 1947; lowest 228.40 below lsd, June 23, 1953. Records available: 1944-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	199.45	180.97	182.22	203.52	205.58	218.20	225.00	221.02	211.60	214.13	202.29	.....
2	203.16	182.08	181.96	208.80	211.01	219.21	225.23	221.30	212.15	213.95	204.89	.....
3	203.61	182.59	183.02	208.40	209.20	218.63	225.52	221.50	212.01	214.04	205.40	.....
4	201.55	182.41	183.57	199.50	197.42	219.48	225.14	214.80	212.07	212.42	206.31	.....
5	201.52	182.65	184.52	206.75	198.40	219.58	226.27	210.43	211.50	211.30	207.30	.....
6	201.94	182.32	184.55	194.90	206.87	206.90	227.58	218.10	210.45	212.10	206.60	194.35
7	200.84	182.61	184.92	204.72	197.90	206.10	227.20	219.56	208.83	211.77	204.30	197.40
8	184.58	180.18	182.58	206.93	210.01	205.88	.....	211.00	209.10	210.80	204.30	198.00
9	184.31	181.90	181.10	201.71	.....	215.30	.....	208.30	209.43	208.10	200.86	198.70
10	183.12	182.11	184.70	204.90	.....	219.17	.....	215.40	210.30	207.28	200.86	198.87
11	183.66	183.49	185.02	195.80	202.08	220.18	.....	221.00	210.44	205.74	200.87	196.76
12	191.23	183.67	183.94	202.85	198.80	220.19	.....	222.30	210.62	206.90	200.80	199.13
13	182.40	183.75	187.34	203.08	205.20	.....	.....	218.80	210.74	205.15	199.50	197.50
14	182.80	184.02	184.70	191.50	207.35	.....	.....	219.60	211.10	206.50	199.15	196.48
15	183.48	183.37	184.74	199.50	205.10	222.68	.....	211.22	211.28	207.00	199.20	196.04
16	194.28	183.40	184.70	205.40	192.74	225.70	.....	217.05	211.67	207.20	200.50	196.73
17	200.36	182.68	187.86	198.60	201.24	226.80	.....	218.81	212.13	204.50	201.23	195.90
18	200.42	183.25	188.30	191.50	193.20	228.11	.....	206.90	212.20	205.36	201.05	196.33
19	185.88	181.00	188.35	191.14	194.70	227.05	.....	205.83	212.21	204.92	201.15	194.20
20	183.79	183.25	184.70	198.98	203.99	226.96	.....	212.90	212.10	207.79	201.55	192.22
21	183.74	181.15	185.53	191.21	206.01	226.22	.....	.....	212.39	206.40	201.58	193.62
22	184.50	183.41	183.18	192.97	207.48	227.57	.....	209.50	212.39	206.00	198.04	193.60
23	182.15	181.70	186.32	194.91	207.10	228.40	.....	214.91	212.30	206.84	199.80	191.61
24	181.16	183.92	195.40	203.37	207.00	.....	.....	208.84	212.30	205.99	199.00	190.88
25	180.53	182.44	188.96	202.80	209.70	.....	.....	208.20	212.53	205.14	199.34	190.07
26	182.40	182.80	195.16	201.83	209.40	.....	.....	208.05	213.32	206.70	199.34	189.42
27	183.50	182.72	201.52	194.90	213.79	.....	.....	208.56	213.32	206.88	199.24	188.27
28	183.21	180.42	201.80	205.88	215.08	.....	208.50	209.86	213.28	207.09	197.70	189.48
29	182.92	.....	201.80	201.61	215.17	225.70	208.63	210.43	213.08	207.41	195.25	189.97
30	182.92	.....	191.80	204.97	213.87	226.14	218.52	211.06	213.35	206.70	196.82	187.80
31	183.08	.....	191.34	.....	217.02	.....	217.68	211.32	.....	203.30	.....	189.87

h Tape measurement.

6. Oklahoma City Water Department well 5-2. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W. Reno St. and Pennsylvania Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 38 feet, cased to 38. Land-surface datum is 1,187.44 feet below msl. Highest water level 2.65 below lsd, July 2, 1948; lowest 19.79 below lsd, Nov. 24, 1953. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	8.05	May 29	7.10	Aug. 24	16.84	Nov. 24	19.79
Mar. 31	7.28	June 30	13.48	Sept. 24	18.06	Dec. 23	17.36
Apr. 30	6.70	Aug. 4	15.81	Oct. 22	18.01		

7. Oklahoma City Water Department well 5-3. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, T. 12 N., R. 3 W. Reno St. and Pennsylvania Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 35 feet, cased to 35. Highest water level 2.82 below lsd, May 28, 1947; lowest 19.81 below lsd, Nov. 24, 1953. Records available: 1942-53.

Jan. 29	8.23	May 29	6.97	Aug. 24	16.25	Nov. 24	19.81
Mar. 31	7.48	June 30	12.80	Sept. 24	17.40	Dec. 23	17.20
Apr. 30	6.82	July 23	14.50	Oct. 22	18.63		

9. Oklahoma City Water Department well 26-3. SE. cor. sec. 36, T. 12 N., R. 4 W. Reno St. and May Ave. Drilled observation water-table well in alluvium, diameter 2 inches, depth 35 feet, cased to 35. Highest water level 0.02 below lsd, May 23, 1952; lowest 11.55 below lsd, Dec. 23, 1953. Records available: 1944-53.

Jan. 29	4.46	May 29	3.26	Aug. 24	8.66	Nov. 24	11.38
Mar. 31	4.46	June 30	6.07	Sept. 24	9.63	Dec. 23	11.55
Apr. 30	2.76	July 23	7.20	Oct. 22	10.53		

10. Oklahoma City Water Department well 26. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 42 feet, cased to 42. Land-surface datum is 1,315.63 feet above msl. Highest water level 34.90 below lsd, Feb. 25, 1946; lowest 37.80 below lsd, Jan. 21, 1951. Records available: 1945-53.

Jan. 29	35.91	Apr. 30	35.97	July 23	35.71	Oct. 22	35.62
Feb. 24	35.93	May 29	35.75	Aug. 24	35.66	Nov. 24	35.63
Mar. 31	35.84	June 30	35.73	Sept. 24	35.65	Dec. 23	35.62

11. Oklahoma City Water Department well 27. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 37 feet, cased to 37. Land-surface datum is 1,287 feet above msl. Highest water level 9.05 below lsd, May 28, 1947; lowest 15.13 below lsd, Oct. 28, 1952. Records available: 1945-53. Measurement discontinued.

Jan. 29	14.61	Mar. 31	13.50	May 29	13.36	Aug. 4	13.85
Feb. 24	14.45	Apr. 30	13.23	June 30	14.38	24	14.40

12. Oklahoma City Water Department well 28. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 12 N., R. 4 W. Drilled observation water-table well in terrace deposit, diameter 2 inches, depth 32 feet, cased to 32. Land-surface datum is 1,269.69 feet above msl. Highest water level 13.44 below lsd, Feb. 25, 1946; lowest 18.82 below lsd, Dec. 23, 1953. Records available: 1945-53.

Jan. 29	18.08	Apr. 30	17.79	July 23	18.23	Oct. 22	18.69
Feb. 24	18.12	May 29	17.72	Aug. 24	18.36	Nov. 24	18.80
Mar. 31	17.98	June 30	18.22	Sept. 24	18.60	Dec. 23	18.82

Payne County

1. Mrs. Vern G. Phelps. SW $\frac{1}{4}$ sec. 15, T. 19 N., R. 4 E. Drilled water-table well in rocks of early Permian age, diameter 1 $\frac{1}{4}$ inches (1 $\frac{1}{4}$ inch casing inside 8-inch casing), depth 21 feet. Highest water level 1.45 below lsd, Mar. 22, 1952; lowest 7.89 below lsd, Oct. 30, 1939. Records available: 1934-53.

Jan. 29	5.56	Apr. 28	3.36	July 26	3.43	Oct. 29	5.07
Feb. 27	5.41	May 25	3.74	Aug. 29	4.23	Nov. 27	5.19
Mar. 25	4.66	June 25	4.58	Sept. 28	4.86	Dec. 26	5.12

3. V. D. Hesser. NW $\frac{1}{4}$ sec. 23, T. 20 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 27 feet. Highest water level 1.20 below lsd, May 27, 1943; lowest 13.01 below lsd, Oct. 26, 1940. Records available: 1934-53.

Jan. 29	10.72	Apr. 28	6.48	July 26	5.45	Oct. 29	9.70
Feb. 27	10.78	May 25	5.05	Aug. 29	7.74	Nov. 27	10.16
Mar. 25	9.16	June 25	6.86	Sept. 28	8.89	Dec. 26	10.00

4. W. O. Snyder. NW $\frac{1}{4}$ sec. 2, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 34 feet. Highest water level 6.72 below lsd, Apr. 27, 1942; lowest 24.29 below lsd, Aug. 27, 1940. Records available: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	21.88	Apr. 28	20.79	July 26	21.96	Oct. 29	22.49
Feb. 27	21.78	May 25	20.68	Aug. 29	22.03	Nov. 27	22.23
Mar. 25	21.32	June 25	21.72	Sept. 28	22.35	Dec. 26	22.08

7. Charles Focht. NW $\frac{1}{4}$ sec. 20, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 30 feet. Highest water level 2.17 below lsd, Apr. 27, 1942, Sept. 29, 1945; lowest 25.57 below lsd, Oct. 26, 1940. Records available: 1934-53.

Jan. 29	21.14	Apr. 28	20.02	July 26	16.23	Oct. 29	18.77
Feb. 27	21.68	May 25	19.49	Aug. 29	16.43	Nov. 27	19.32
Mar. 25	21.58	June 25	19.28	Sept. 28	17.56	Dec. 26	19.83

9. Simon A. Laughlin. SW $\frac{1}{4}$ sec. 21, T. 20 N., R. 2 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 41 feet. Highest water level 10.95 below lsd, Apr. 29, 1942; lowest 36.29 below lsd, Apr. 5, 1937. Records available: 1934-53.

Jan. 29	20.72	Apr. 28	20.31	July 26	19.75	Oct. 29	20.48
Feb. 27	21.11	May 25	18.78	Aug. 29	19.95	Nov. 27	20.71
Mar. 25	21.25	June 25	19.10	Sept. 28	20.28	Dec. 26	20.63

13. Erma T. Pool. SW $\frac{1}{4}$ sec. 23, T. 19 N., R. 1 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 47 feet. Highest water level 22.18 below lsd, Oct. 27, 1946; lowest 27.91 below lsd, Jan. 28, 1941. Records available: 1934-53.

Jan. 29	23.86	Apr. 28	23.75	July 26	24.46	Oct. 29	24.49
Feb. 27	23.95	May 25	24.26	Aug. 29	24.07	Nov. 27	24.74
Mar. 25	24.47	June 25	24.14	Sept. 28	24.03	Dec. 26	24.68

15. Lovell Bros. NE $\frac{1}{4}$ sec. 35, T. 19 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 49 feet. Highest water level 30.04 below lsd, Oct. 26, 1950; lowest 39.73 below lsd, May 24, 1939. Records available: 1934-53.

Jan. 29	32.38	Apr. 28	31.73	July 26	37.21	Oct. 29	32.54
Feb. 27	32.37	May 25	37.12	Aug. 29	32.02	Nov. 27	32.75
Mar. 25	32.66	June 25	37.09	Sept. 28	32.07	Dec. 26	32.57

18. John Wolf. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 18 N., R. 3 E. Drilled water-table well in rocks of early Permian age, diameter 6 inches, depth 39 feet. Highest water level 20.02 below lsd, July 28, 1952; lowest 21.52 below lsd, Dec. 26, 1953. Records available: 1951-53.

Jan. 29	20.79	Apr. 28	21.03	July 26	21.02	Oct. 29	21.38
Feb. 27	20.91	May 25	21.04	Aug. 29	21.20	Nov. 27	21.47
Mar. 25	20.96	June 25	21.05	Sept. 28	21.27	Dec. 26	21.52

Roger Mills County

1. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 13 N., R. 23 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 16 feet, cased to 16, screen 14-16. Highest water level 1.89 below lsd, May 17, 1949; lowest 8.70 below lsd, Oct. 19, 1947. Records available: 1947-53. May 26, 6.42; Aug. 24, 6.69; Oct. 13, 7.90.

2. Joseph W. Millhouse. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, T. 15 N., R. 24 W. Drilled unused water-table well in rocks of Permian age, diameter 7 inches, depth 53 feet. Highest water level 21.20 below lsd, Oct. 29, 1949; lowest 25.08 below lsd, Oct. 13, 1953. Records available: 1949, 1951-53. May 26, 24.79; Aug. 24, 24.94; Oct. 13, 25.08.

Seminole County

1. Skelly Gas Corp. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 9 N., R. 6 E. Drilled unused artesian well in Vamoosa formation, diameter 8 inches, depth 496 feet. Highest water level 93.51 below lsd, Dec. 2, 1953; lowest 115.88 below lsd, Sept. 28, 1948. Records available: 1948-53.

1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	97.78	.....	96.30	.....	95.11	97.74	99.55	99.00	98.32	97.31	96.18	96.26
2	97.62	97.33	97.17	.....	96.48	97.88	99.75	98.13	96.40	97.31	96.92	95.36
3	97.62	96.90	97.32	.....	97.22	96.86	99.92	98.30	98.40	97.17	97.33	94.45
4	97.27	96.85	96.82	.....	97.29	96.29	100.12	98.92	97.70	97.13	96.43	94.66
5	98.78	96.65	96.56	97.39	96.25	96.16	100.21	99.02	97.19	97.77	96.02	94.43
6	97.99	97.92	96.36	96.68	95.80	96.12	100.36	98.39	.....	98.72	96.19	94.25
7	97.46	97.20	.....	95.99	96.52	96.04	100.43	98.59	96.83	99.15	95.62	.....
8	97.33	97.23	.....	95.92	96.86	96.59	100.03	98.86	96.79	99.25	95.76	.....
9	97.35	96.81	97.70	97.14	96.03	97.66	100.41	98.23	97.51	99.28	95.68	.....
10	98.22	96.75	97.93	97.62	95.43	97.97	100.46	98.34	98.09	.....	95.52	.....
11	98.78	96.66	97.20	97.89	95.35	97.32	100.13	98.70	98.28	.....	96.34	.....
12	97.98	97.89	96.46	97.98	95.24	97.57	100.03	98.25	98.48	98.26	96.81	.....
13	97.33	98.10	96.41	97.53	95.31	97.86	100.03	97.80	98.49	98.79	96.02	.....
14	97.16	97.09	96.20	97.79	95.97	96.94	99.98	98.26	98.40	97.99	95.55	94.25
15	97.49	96.77	96.34	98.04	96.50	97.61	99.98	98.59	98.48	97.89	96.07	94.10
16	97.50	97.95	97.29	97.18	96.85	98.33	99.40	98.76	97.90	98.36	96.71	94.11
17	97.24	98.34	97.58	97.41	97.07	97.74	99.50	98.80	97.86	97.39	96.77	95.51
18	97.73	97.60	.....	97.59	97.30	97.25	98.62	98.19	.....	97.77	95.25	95.81
19	98.58	96.81	.....	97.90	97.35	98.02	99.94	97.55	.....	97.43	95.20	94.82
20	98.79	96.69	.....	96.94	97.32	98.45	98.97	97.99	.....	96.91	94.90	94.18
21	97.88	96.85	.....	96.32	97.44	97.72	98.30	98.47	.....	96.68	94.66	93.85
22	97.24	96.85	97.05	95.91	97.46	98.26	97.95	98.47	.....	97.41	94.47	94.12
23	97.10	96.75	97.84	95.80	96.62	98.81	98.63	.....	.....	97.89	94.32	94.16
24	97.16	98.14	98.00	96.41	95.98	98.12	98.97	97.67	.....	96.93	94.41	94.18
25	97.14	98.16	97.13	96.72	96.78	97.41	99.04	97.99	.....	96.29	93.56	94.10
26	97.99	97.56	96.61	96.10	97.11	98.16	98.17	98.16	.....	95.90	95.97	94.03
27	98.44	96.78	96.35	95.82	96.31	98.62	98.59	.....	.....	95.90	95.15	94.79
28	98.00	96.64	96.33	95.37	96.86	97.81	98.74	.....	.....	95.94	94.91	95.45
29	97.35	.....	.....	95.01	97.12	98.55	98.00	.....	.....	97.24	94.73	94.72
30	96.95	.....	97.32	94.93	96.26	99.35	98.37	97.40	.....	97.58	96.01	94.15
31	97.95	.....	.....	.....	97.13	.....	98.93	97.97	.....	96.58	.....	94.14

h Tape measurement.

Texas County

40. August Lorenz. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, T. 3 N., R. 17 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 97 feet. Land-surface datum is 2,931 feet above msl. Highest water level 86.69 below lsd, May 20, 1952; lowest 91.09 below lsd, Jan. 25, 1941. Records available: 1937-53. May 28, 86.90.

125. J. Donald Hughes. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 1 N., R. 18 E. Drilled unused water-table well in alluvium, diameter 20 inches, depth 27 feet, cased 8-27. Highest water level 3.49 below lsd, Nov. 27, 1946; lowest 9.32 below lsd, May 26, 1950. Records available: 1939-53. May 30, 8.28.

130. Robert Johnson. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 1 N., R. 19 E. Drilled unused water-table well in alluvium, diameter 20 inches, depth 32 feet, cased 5-32, perforations 7-32. Highest water level 5.55 below lsd, Apr. 24, 1942; lowest 9.24 below lsd, May 26, 1950. Records available: 1939-52. No measurement made in 1953.

138. Joe Sutton. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 1 N., R. 19 E. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 26 feet. Highest water level 5.92 below lsd, Apr. 29, 1947; lowest 10.34 below lsd, May 30, 1953. Records available: 1939-53. May 30, 10.34.

176. W. N. Ballinger. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 3 N., R. 15 E. Drilled unused water-table well in alluvium, diameter 19 inches, depth 30 feet, cased 5-30. Highest water level 4.50 below lsd, Oct. 26, 1946; lowest 9.39 below lsd, July 26, 1938. Records available: 1937-53. June 25, 8.22.

188. Wiggins. NW $\frac{1}{4}$ sec. 1, T. 2 N., R. 14 E. Drilled unused water-table well in Ogallala formation, diameter 7 inches, reported depth 254 feet, cased to 254. Highest water level 120.25 below lsd, May 28, 1953; lowest 123.24 below lsd, Jan. 26, 1940. Records available: 1938-53. May 28, 120.25.

228. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, T. 2 N., R. 17 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 10 feet, screen 8-10. Highest water level 2.83 below lsd, July 20, 1950, May 25, 1951; lowest 7.96 below lsd, Oct. 26, 1953. Records available: 1946-53.

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	5.53	Mar. 19	5.22	June 15	5.62	Sept. 17	7.68
21	5.45	Apr. 2	5.31	24	6.95	Oct. 8	7.93
30	5.42	14	5.38	July 7	7.34	26	7.96
Feb. 5	5.40	22	5.42	14	7.24	Nov. 6	7.94
13	5.32	May 6	5.52	30	6.90	19	7.76
24	5.29	17	5.51	Aug. 11	7.27	Dec. 8	7.61
Mar. 9	5.22	28	5.95	25	7.37	29	6.65

281. C. F. Webb. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5, T. 3 N., R. 11 E. Drilled unused water-table well in Ogallala formation, diameter 15 inches, depth 109 feet. Land-surface datum is 3,533 feet above msl. Highest water level 86.86 below lsd, May 29, 1953; lowest 89.40 below lsd, Oct. 30, 1944. Records available: 1938, 1942-53. May 29, 86.86.

294. Robbins Ranch. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 3 N., R. 13 E. Drilled unused water-table well in rocks of Triassic age, diameter 5 inches, depth 57 feet, cased to 57. Highest water level 41.31 below lsd, May 21, 1952; lowest 43.10 below lsd, Apr. 29, 1947. Records available: 1937-53. May 28, 41.45.

309. U. S. Geol. Survey. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 3 N., R. 14 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 16 feet, perforations 14-16. Highest water level 9.04 below lsd, May 7, 1951; lowest 11.03 below lsd, May 23, 1950. Records available: 1946-53. May 29, 9.74.

332. John A. Wright Estate. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 3 N., R. 15 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 75 feet, cased to 75. Highest water level 63.23 below lsd, May 7, 1951; lowest 67.02 below lsd, Nov. 22, 1939. Records available: 1937-46, 1949-53. May 28, 64.50.

354. A. M. Fankhauser. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 6 N., R. 15 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 167 feet, cased to 167. Highest water level 142.72 below lsd, May 29, 1953; lowest 148.47 below lsd, Oct. 21, 1942. Records available: 1937-42, 1946-50, 1952-53. May 29, 142.72.

406. G. R. Beaman and others. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 4 N., R. 11 E. Drilled unused water-table well in Ogallala formation, depth 111 feet, cased to 111. Highest water level 76.11 below lsd, May 29, 1953; lowest 78.78 below lsd, May 18, 1946. Records available: 1946-53. May 29, 76.11.

415. Donald A. Nicholas. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 24, T. 4 N., R. 12 E. Drilled well in Ogallala formation, diameter 5 inches, depth 177 feet. Highest water level 152.05 below lsd, May 29, 1953; lowest 152.49 below lsd, May 21, 1952. Records available: 1952-53. May 21, 1952, 152.49; May 29, 1953, 152.05.

436. Leo Holtgraver. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 4 N., R. 14 E. Drilled domestic and stock water-table well in Ogallala formation, diameter 4 inches, depth 198 feet, cased to 198. Highest water level 169.92 below lsd, May 14, 1949; lowest 171.66 below lsd, Mar. 23, 1940. Records available: 1938-42, 1944-49. Measurement discontinued.

497. R. M. Van Hyning. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 4 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 12 to 8 inches, reported depth 280 feet, cased to 280, perforations 100-280. Land-surface datum is 2,820 feet above msl. Highest water level 96.33 below lsd, May 28, 1953; lowest 104.06 below lsd, Sept. 20, 1938. Records available: 1937-53. May 28, 96.33.

551. O. C. Glatthaar. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 4 N., R. 13 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 214 feet, cased to 214. Highest water level 141.40 below lsd, May 21, 1952; lowest 145.80 below lsd, Jan. 27, 1938. Records available: 1937-53. May 29, 143.44. Measurement discontinued.

589. George Hoferber. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 4 N., R. 17 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 142 feet, cased to 142. Land-surface datum is 2,935 feet above msl. Highest water level 112.35 below lsd, May 28, 1953; lowest 119.70 below lsd, Nov. 23, 1940. Records available: 1937-53. May 28, 112.35.

725. U. S. Geol. Survey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 3 N., R. 15 E. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 18 feet, cased to 18, perforations 16-18. Highest water level 7.85 below lsd, Apr. 27, 1947; lowest 9.28 below lsd, Oct. 20, 1947. Records available: 1946-53. May 28, 8.56.

761. Federal Life Insurance Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 3 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 117 feet, cased to 117. Land-surface datum is 2,834 feet above msl. Highest water level 85.58 below lsd, May 20, 1952; lowest 108.04 below lsd, Dec. 3, 1937. Records available: 1937-53. May 28, 86.27.

765. O. Joliff. SW $\frac{1}{4}$ sec. 26, T. 3 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 120 feet, cased to 120. Land-surface datum is 2,765 feet above msl. Highest water level 102.29 below lsd, May 28, 1953; lowest 105.40 below lsd, May 16, 1946. Records available: 1937-53. May 28, 102.29.

842. C. A. Rahm. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22, T. 6 N., R. 16 E. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 145 feet, cased to 145. Land-surface datum is 3,118 feet above msl. Highest water level 103.26 below lsd, May 21, 1952; lowest 122.87 below lsd, Sept. 24, 1940. Records available: 1937-49, 1952-53. May 29, 103.30.

Tillman County

1. Southwestern Cotton Substation. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 20 inches, reported depth 54 feet, cased to 54. Highest water level 18.38 below lsd, June 2, 1947; lowest 34.19 below lsd, Sept. 2, 1947. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	23.27	Apr. 20	23.67	July 6	25.72	Sept. 28	26.55
9	23.27	27	24.83	13	25.68	Oct. 5	26.30
16	23.31	May 4	23.30	20	25.87	12	26.00
23	23.34	11	24.48	27	25.55	19	25.90
Mar. 2	23.38	18	24.40	Aug. 3	25.75	26	25.19
9	23.22	25	25.05	10	25.71	Nov. 2	25.06
16	23.26	June 1	25.31	17	29.72	9	25.08
23	23.25	8	25.33	24	27.58	16	24.97
30	23.15	15	25.44	Sept. 9	26.55	23	24.96
Apr. 6	23.04	22	25.63	14	26.13	30	24.91
13	23.15	29	25.72	21	26.92	Dec. 7	24.87

12. J. W. Boyd. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 18 inches, reported depth 53 feet. Highest water level 16.59 below lsd, Apr. 10, 1952; lowest 24.45 below lsd, Oct. 2, 1953. Records available: 1949-50, 1952-53. July 6, 21.91; Aug. 5, 22.04; Sept. 4, 24.21; Oct. 2, 24.45; Nov. 5, 22.37; Dec. 9, 21.98.

13. Oran Roberts. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, depth 33 feet, cased to 33. Highest water level 7.18 below lsd, Apr. 10, 1952; lowest 26.71 below lsd, Sept. 4, 1953. Records available: 1949-53. July 6, 10.35; Aug. 5, 9.82; Sept. 4, 10.71; Nov. 5, 9.52; Dec. 9, 9.18.

14. R. H. Dunlap. NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 18 inches, reported depth 35 feet. Highest water level 6.38 below lsd, Apr. 5, 1950; lowest 7.90 below lsd, Jan. 31, 1952. Records available: 1949-50, 1952. Measurement discontinued.

15. I. W. Kinney. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 45 feet. Highest water level 21.11 below lsd, Oct. 19, 1949; lowest 26.27 below lsd, Sept. 4, 1953. Records available: 1949-50, 1952-53. Feb. 5, 25.19; July 6, 23.70; Sept. 4, 26.27; Nov. 6, 24.25; Dec. 7, 24.12.

18. Virgil Hale. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 1 S., R. 18 W. Dug irrigation water-table well in terrace deposit, diameter 6 feet, reported depth 47 feet, cased to 47. Highest water level 23.70 below lsd, Apr. 10, 1952; lowest 25.49 below lsd, Oct. 18, 1949. Records available: 1949-52. Measurement discontinued.

19. Clark. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 1 S., R. 18 W. Drilled irrigation water-table well in terrace deposit, diameter 10 inches, depth 52 feet. Highest water level 23.50 below lsd, Oct. 19, 1949; lowest 26.38 below lsd, Oct. 2, 1953. Records available: 1949-53. July 7, 26.27; Aug. 5, 26.29; Sept. 3, 26.30; Oct. 2, 26.38; Nov. 6, 25.79; Dec. 9, 25.32.

22. T. G. Jennings. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 1 S., R. 19 W. Drilled irrigation water-table well in terrace deposit, diameter 14 inches, reported depth 55 feet. Highest water level 21.28 below lsd, Jan. 30, 1952; lowest 25.10 below lsd, June 5, 1953. Records available: 1952-53. Jan. 30, 1952, 21.28; Apr. 10, 24.87; June 5, 1953, 25.10; July 6, 23.93; Oct. 2, 24.83; Dec. 9, 23.09.

25. M. H. Swartz, owner; G. C. Swartz, tenant. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 1 N., R. 17 W. Drilled domestic and stock water-table well in terrace deposit, diameter 6 inches, depth 43 feet. Highest water level 29.82 below lsd, June 5, 1953; lowest 34.50 below lsd, Dec. 9, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9, 1952	34.50	July 6, 1953	30.25	Sept. 4, 1953	30.26	Nov. 6, 1953	30.04
June 5, 1953	29.82	Aug. 4	30.29	Oct. 2	30.47	Dec. 10	30.16

26. James Riggs. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 1 N., R. 18 W. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 34 feet. Highest water level 10.04 below lsd, Dec. 10, 1953; lowest 12.15 below lsd, June 4, 1953. Records available: 1953. Mar. 12, 12.00; June 4, 12.15; July 6, 10.15; Aug. 4, 10.34; Sept. 4, 10.88; Oct. 2, 11.53; Dec. 10, 10.04.

27. G. W. Trimue. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 1 N., R. 18 W. Drilled domestic water-table well in terrace deposit, diameter 6 inches, depth 42 feet. Highest water level 26.06 below lsd, Dec. 16, 1952; lowest 27.65 below lsd, Oct. 2, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 16, 1952	26.06	July 6, 1953	27.20	Sept. 4, 1953	27.50	Nov. 6, 1953	27.58
June 4, 1953	26.85	Aug. 4	27.35	Oct. 2	27.65	Dec. 10	27.47

28. Mollie Cody. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 1 N., R. 19 W. Drilled domestic and stock water-table well in terrace deposit, diameter 6 inches, reported depth 54 feet. Highest water level 21.69 below lsd, Dec. 17, 1952; lowest 22.16 below lsd, Oct. 2, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 17, 1952	21.69	July 6, 1953	21.95	Sept. 3, 1953	22.10	Nov. 5, 1953	22.08
June 4, 1953	21.79	Aug. 4	22.04	Oct. 2	22.16	Dec. 9	21.96

30. Darnell. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 1 S., R. 18 W. Dug domestic water-table well in terrace deposit, diameter 6 inches, depth 24 feet. Highest water level 21.24 below lsd, Nov. 5, 1953; lowest 21.94 below lsd, Oct. 1, 1953. Records available: 1953.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	21.26	July 7	21.75	Sept. 3	21.85	Nov. 5	21.24
June 5	21.68	Aug. 5	21.72	Oct. 1	21.94	Dec. 9	21.65

31. Leon Stansell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 1 S., R. 19 W. Drilled domestic and stock water-table well in terrace deposit, diameter 7 inches, depth 41 feet, cased to 41. Highest water level 23.11 below lsd, June 4, 1953; lowest 23.82 below lsd, Oct. 2, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 17, 1952	23.53	July 6, 1953	23.27	Sept. 4, 1953	23.34	Nov. 6, 1953	23.59
June 4, 1953	23.11	Aug. 4	23.34	Oct. 2	23.82	Dec. 9	23.51

32. John Simmons. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, T. 2 S., R. 18 W. Drilled observation water-table well in terrace deposit, diameter 6 inches, depth 36 feet. Highest water level 25.30 below lsd, Feb. 19, 1953; lowest 26.60 below lsd, Nov. 5, 1953. Records available: 1953.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 19	25.30	July 7	25.95	Sept. 4	26.37	Nov. 5	26.60
June 5	25.66	Aug. 5	26.17	Oct. 2	26.53	Dec. 9	26.55

33. Walter Ray, owner; Lawrence T. Richard, tenant. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, T. 2 S., R. 19 W. Drilled irrigation water-table well in deposit, diameter 14 inches, depth 60 feet, cased to 60. Highest water level 33.14 below lsd, Jan. 14, 1953; lowest 35.00 below lsd, Oct. 2, 1953. Records available: 1953. Jan. 14, 33.14; June 5, 33.55; Oct. 2, 35.00; Dec. 9, 34.17.

34. M. L. Wells. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, T. 3 S., R. 18 W. Dug observation water-table well in terrace deposit, diameter 24 inches, depth 20 feet, cased to 20. Highest water level 17.14 below lsd, Mar. 6, 1953; lowest 17.42 below lsd, Dec. 9, 1953. Records available: 1953.

34--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6	17.14	July 7	17.30	Sept. 4	17.31	Nov. 5	17.32
June 5	17.25	Aug. 5	17.33	Oct. 2	17.35	Dec. 9	17.42

35. Banker, owner; Haynie, tenant. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 3 S., R. 19 W. Drilled observation water-table well in terrace deposit, diameter 5 inches, reported depth 60 feet, cased to 60. Highest water level 27.50 below lsd, Jan. 25, 1952; lowest 31.99 below lsd, July 7, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1952	27.50	July 7, 1953	31.99	Sept. 4, 1953	31.58	Nov. 5, 1953	29.40
June 5, 1953	28.89	Aug. 5	31.39	Oct. 2	31.56	Dec. 9	29.36

36. Harold Grand. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 3 S., R. 19 W. Drilled stock water-table well in terrace deposit, diameter 6 inches, depth 48 feet, cased to 48. Highest water level 34.23 below lsd, Feb. 12, 1953; lowest 35.04 below lsd, Dec. 9, 1953. Records available: 1953. Feb. 12, 34.23; June 5, 34.36; July 7, 34.44; Aug. 5, 34.49; Oct. 2, 34.60; Nov. 5, 34.64; Dec. 9, 35.04.

Washita County

6. D. M. Holland. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 9 N., R. 14 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 162 feet. Highest water level 123.08 below lsd, May 20, 1950; lowest 125.16 below lsd, May 27, 1950. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	124.30	Feb. 28	124.08	May 1	123.84	June 26	124.16
10	124.10	Mar. 7	124.40	8	124.08	July 3	124.11
17	124.10	14	123.90	15	124.00	10	124.33
24	124.30	21	123.82	22	124.04	17	124.29
31	124.24	Apr. 3	124.39	30	123.94	24	124.14
Feb. 7	124.26	10	124.23	June 5	123.98	31	124.24
14	124.06	17	123.76	12	124.37	Aug. 7	124.28
21	124.60	24	123.80	19	123.94		

13. W. A. Bennett. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 10 N., R. 14 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 91 feet. Highest water level 73.59 below lsd, May 3, 1952; lowest 76.41 below lsd, Nov. 29, 1952. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21	75.50	Apr. 10	75.30	May 22	75.31	July 3	75.21
28	75.10	17	75.06	30	75.14	10	75.20
Mar. 7	75.34	24	75.10	June 5	75.21	17	75.28
14	75.00	May 1	75.32	12	75.33	24	75.20
21	75.38	8	75.17	19	75.16	31	75.24
Apr. 3	75.35	15	75.09	26	75.28	Aug. 7	75.33

Woodward County

4. William and Grace Erts. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 23 N., R. 20 W. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 27 feet. Highest water level 1.35 below lsd, Oct. 31, 1946; lowest 6.16 below lsd, July 26, 1953. Records available: 1945-53. May 1, 4.81; July 26, 6.16; Oct. 31, 6.05.

6. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10, T. 24 N., R. 22 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 17 feet, cased to 17, screen 15-17. Highest water level 9.79 below lsd, July 9, 1951; lowest 15.36 below lsd, July 23, 1953. Records available: 1951-53. May 3, 13.41; July 23, 15.36; Oct. 31, 12.58.

7. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 24 N., R. 22 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 13 feet, cased to 13, screen 11-13. Highest water level 3.36 below lsd, Apr. 23, 1951; lowest 6.11 below lsd, Oct. 31, 1953. Records available: 1951-53. May 3, 5.00; July 23, 5.22; Oct. 31, 6.11.

10. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, T. 20 N., R. 17 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$ inches, depth 13 feet, cased to 13. Highest water level 4.00 below lsd, July 9, 1951; lowest 8.92 below lsd, Oct. 13, 1952. Records available: 1951-53. May 3, 5.81; Oct. 31, 6.20.

11. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 22 N., R. 20 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 11 feet. Highest water level 3.03 below lsd, May 17-18, 1952; lowest 6.34 below lsd, Oct. 31, 1953. Records available: 1952-53. May 1, 4.75; July 23, 5.77; Oct. 31, 6.34.

12. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 21 N., R. 18 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{4}$ inches, depth 16 feet, cased to 15. Highest water level 5.70 below lsd, May 18, 1952; lowest 9.23 below lsd, Oct. 31, 1953. Records available: 1952-53. May 1, 7.42; July 23, 8.19; Oct. 31, 9.23.

TEXAS

By B. W. Swartz and C. R. Follett

Scope of Water-Level Program

The observation-well program in Texas, which began in 1929, was continued in 1953 in co-operation with the Texas State Board of Water Engineers. Measurements were made in 2,613 wells, 26 of which are equipped with recording gages. The area covered includes 66 counties and extends from the northernmost part of the Panhandle to the Gulf of Mexico and from El Paso to the Trinity River. Measurements made in 971 wells in 49 counties and data from 14 recording gages are published in this report. The location of these wells is shown in figures 16 to 31.

Precipitation

The precipitation is greatest in the eastern part of the State and decreases westward. The humid to semihumid area extends westward from the east boundary of the State to the 97th meridian; the semihumid to semiarid from the 97th meridian to the 101st meridian; and the semiarid to arid westward from the 101st meridian to the west boundary of the State. The average precipitation in 1953 for the entire State was 23.72 inches or 3.98 inches below normal. Precipitation averaged below normal in all the major divisions of the State, except in the northeast and upper coastal divisions. The greatest precipitation during the year occurred at Bon Wier in southeast Texas where 72.99 inches was recorded, 16.86 inches above normal. In El Paso the precipitation was 4.42 inches, 3.41 inches below normal. The greatest deficiency of precipitation for 1953 was at Brownsville which was 17.96 inches below normal. In the annual summary by the U. S. Weather Bureau, the accumulated effect of the drought is shown in the percent of normal precipitation for some representative cities over the State for the 3-year period 1951-53: 80 percent at Amarillo; 61 percent at Big Spring; 52 percent at Brownsville; 52 percent at Del Rio; and 80 percent at El Paso.

Interpretation of Water-Level Fluctuations

Southern High Plains. --Irrigation from wells in the Southern High Plains of Texas began in 1911. Development of ground water for irrigation progressed slowly until 1937 when only about 500 wells were in use. During 1937 the number of wells doubled and during succeeding years the number increased rapidly and by the end of 1953 there were approximately 24,000 wells in use. In 1953, alone, 4,500 wells were constructed. The total number in use represent about 85 percent of all the wells used for irrigation in the entire State. This area includes all or parts of 20 counties extending eastward from the New Mexico boundary to the prominent High Plains escarpment, and southward from the Canadian River to a line formed by the northern boundaries of Andrews, Martin, Howard, and Mitchell Counties. The area consists of about 6,800,000 acres, of which about 35 percent or 2,400,000 acres were under irrigation in 1953. From March 1938 through 1953 approximately 15,500,000 acre-feet of ground water was pumped, of which 4,500,000 acre-feet or about 29 percent of the total was pumped during 1953. Water-level measurements are made annually in about 500 wells during January, February, or March, when water levels have made the maximum recovery from the previous irrigation season. These measurements reflect the loss or gain in storage from year to year. Drought conditions extended the period of pumping in 1953, causing greater declines in the water-level. The maximum decline was 9.68 feet in well 463 in a heavily pumped area in Floyd County; the water level rose 0.79 foot in well 207 in Bailey County which is on the fringe of the irrigated area; the average net decline in the irrigation area was 4.9 feet in 1953. See figures 32 to 34.

Winter Garden District. --The irrigation of vegetables has been in progress in the Winter Garden District of Dimmit and Zavala Counties for about 34 years. In more recent years citrus fruits, grain sorghum, cotton, and oats have been irrigated. Most vegetables and oats are winter crops. Grain sorghum and cotton are summer crops. Citrus fruits are irrigated mostly in the winter and spring. Most of the irrigation wells draw water from the Carrizo sand, which crops out in western Dimmit County, eastern Maverick County, and western and northern Zavala County. In some localities the water from irrigation wells is supplemented by surface water from the Nueces River and impounding reservoirs on Pendercia, Turkey, and Comanche Creeks. Annual water-level measurements are made in most of the observation wells during late July, August, or September after summer irrigation has ended and before winter irrigation begins. However,

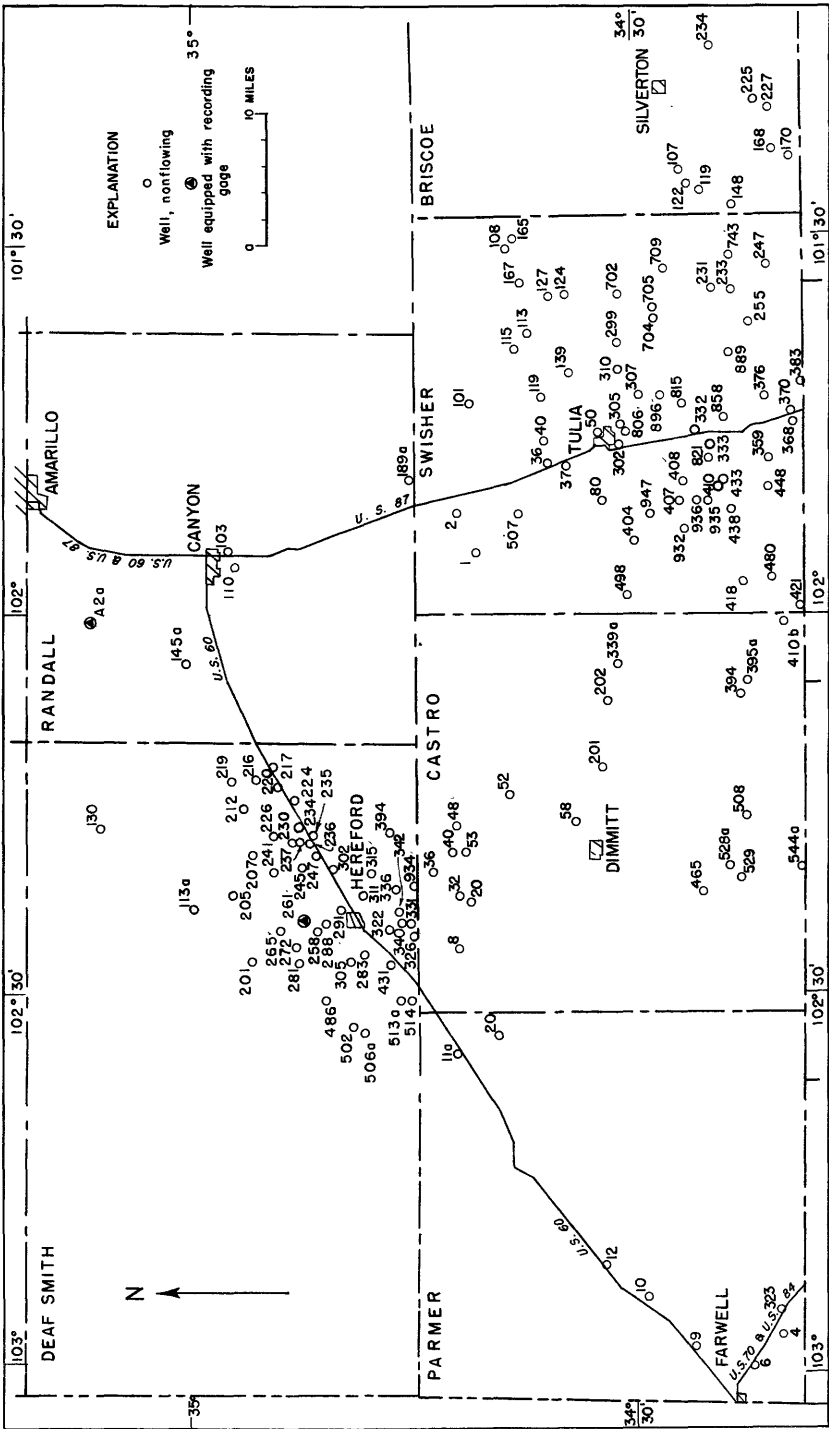


Figure 16. --Location of observation wells in Deaf Smith, Randall, Parmer, Castro, Swisher, and Briscoe Counties, Tex., 1953.

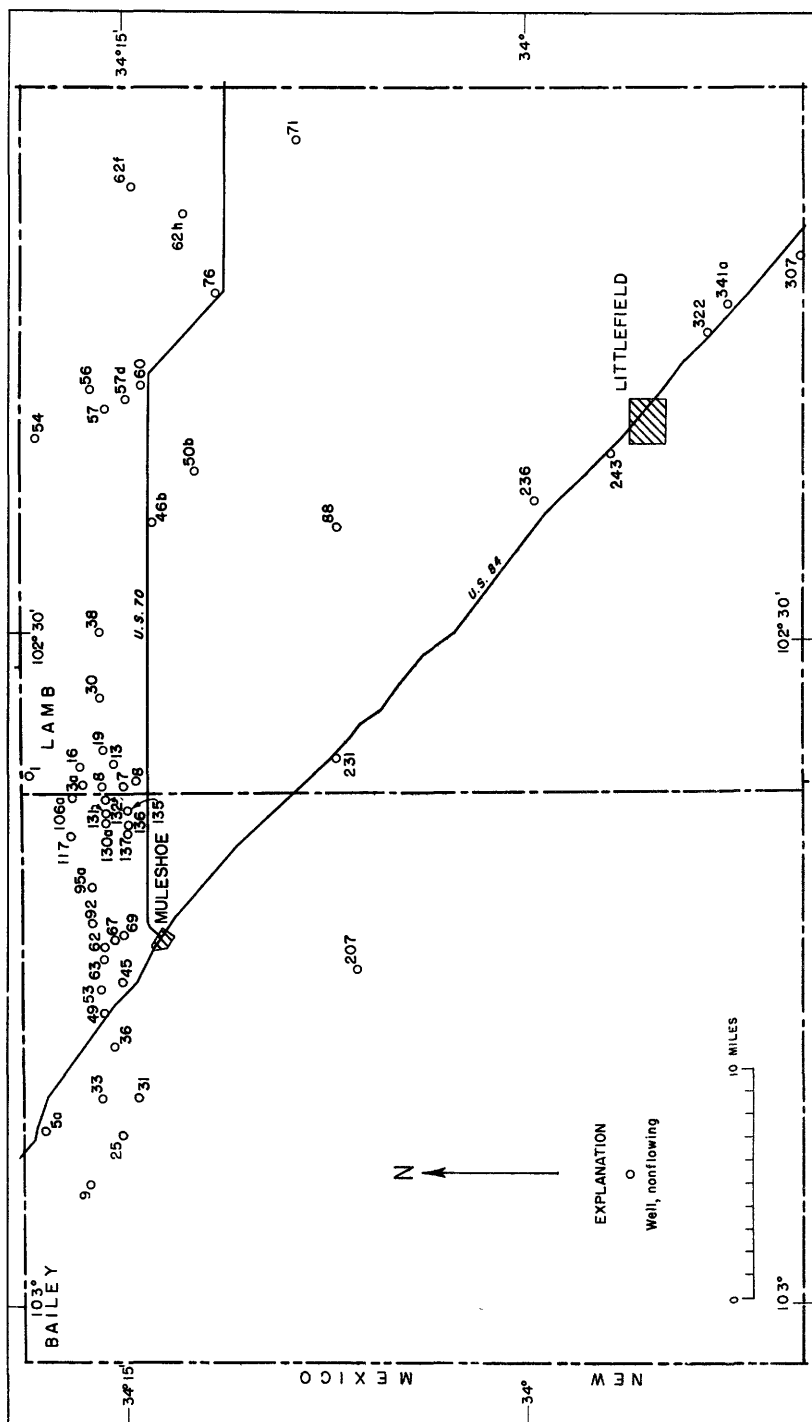
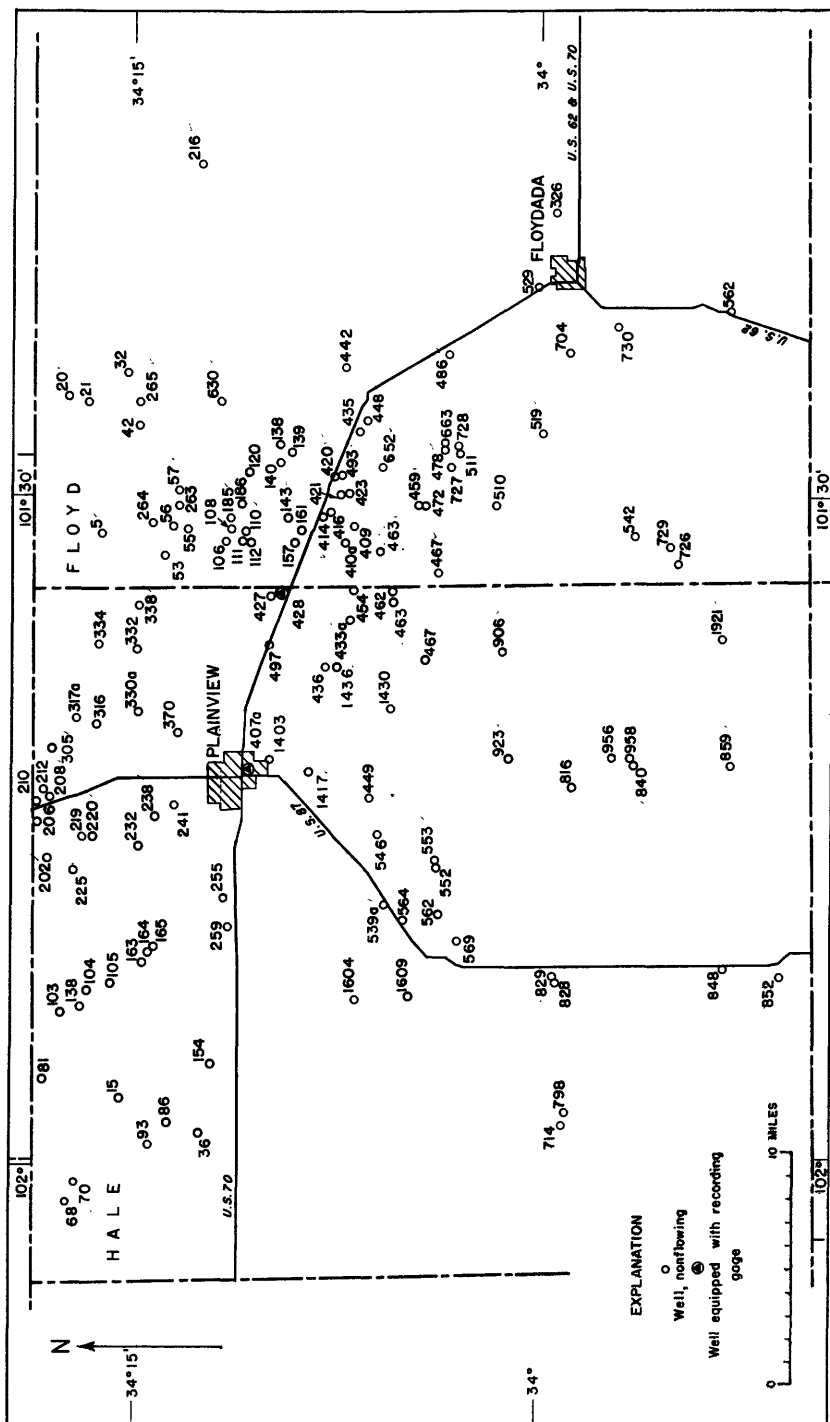


Figure 17. --Location of observation wells in Bailey and Lamb Counties, Tex., 1953.



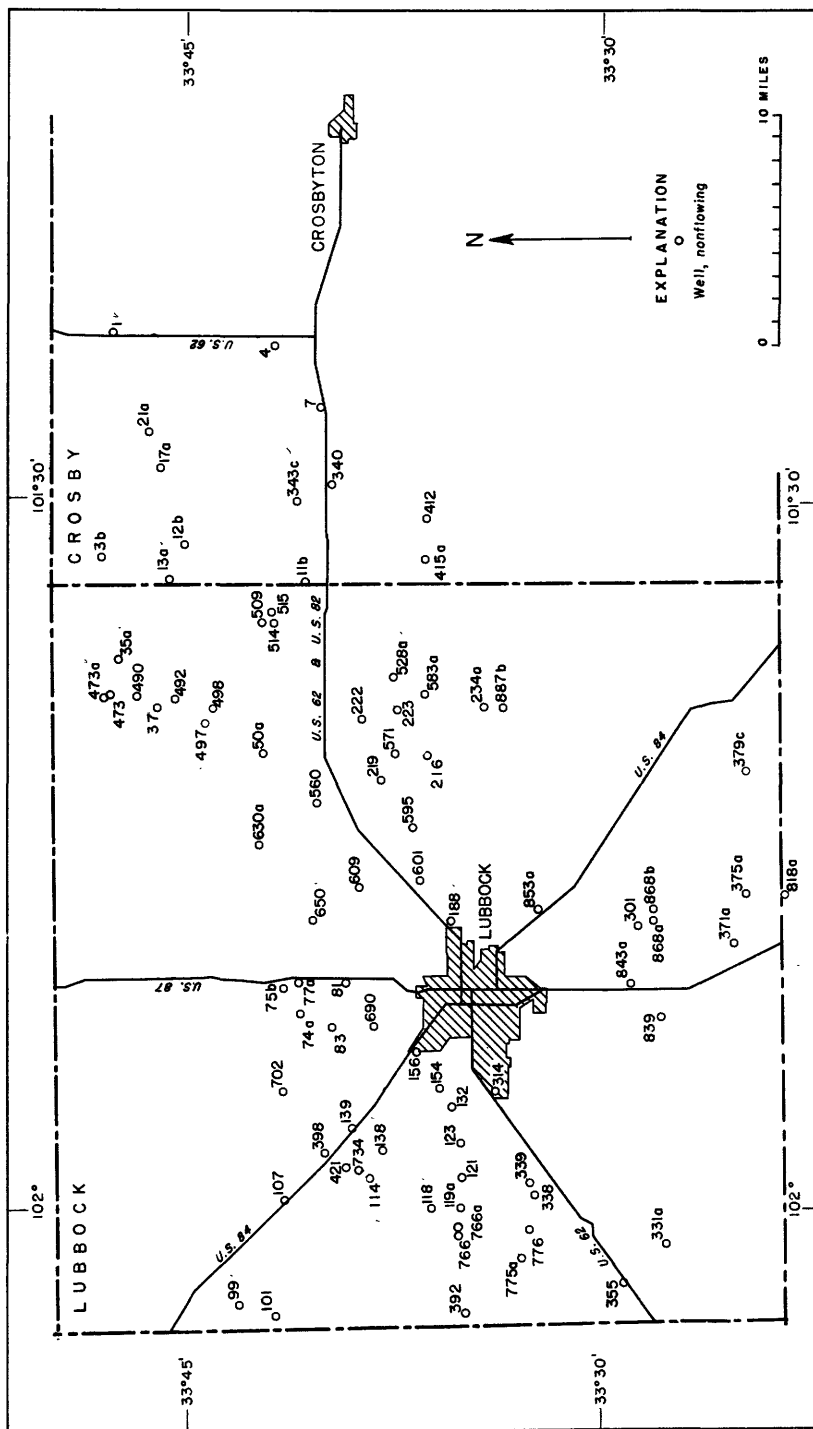


Figure 19. --Location of observation wells in Lubbock and Crosby Counties, Tex., 1953.

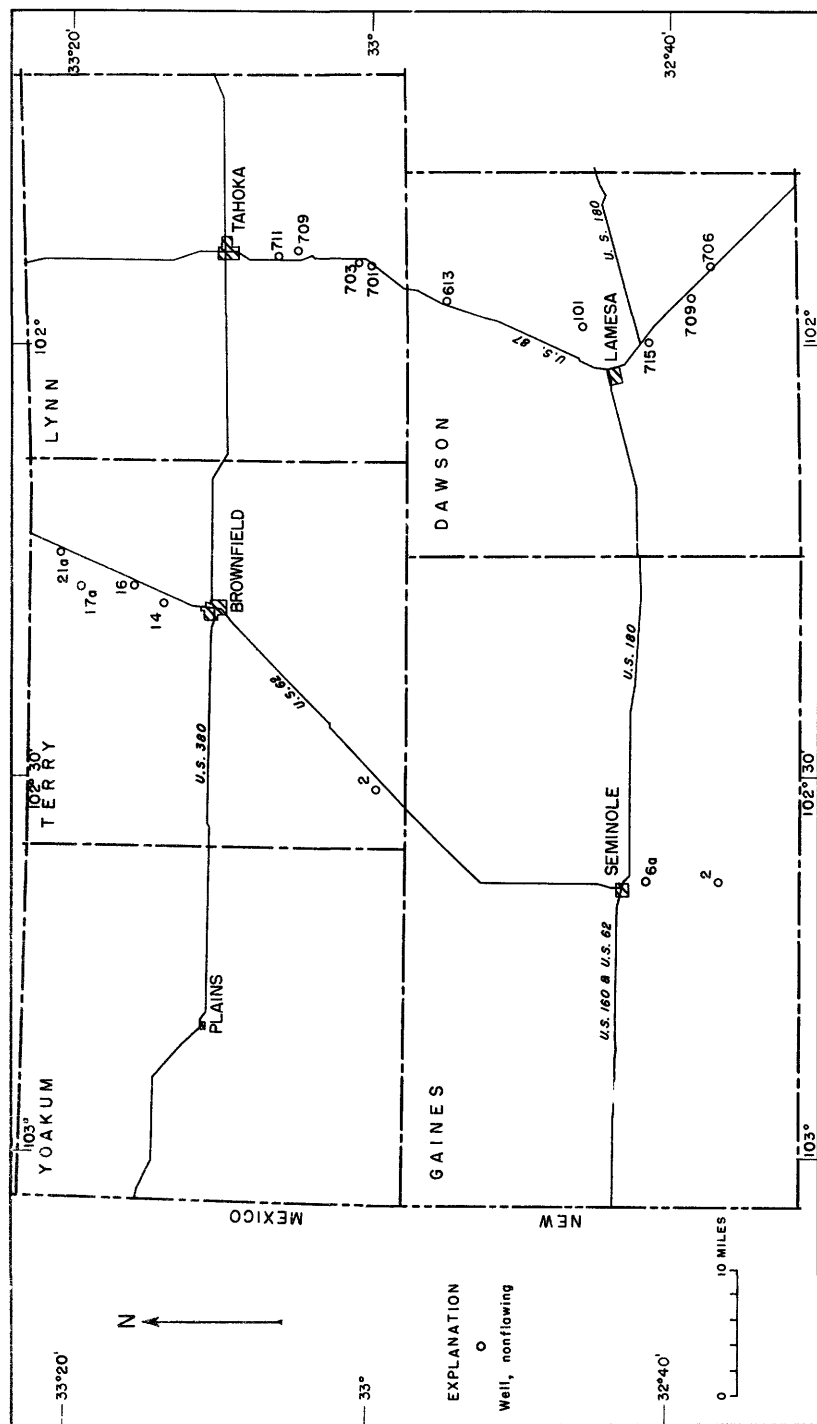


Figure 20. --Location of observation wells in Terry, Lynn, Gaines, and Dawson Counties, Tex., 1953.

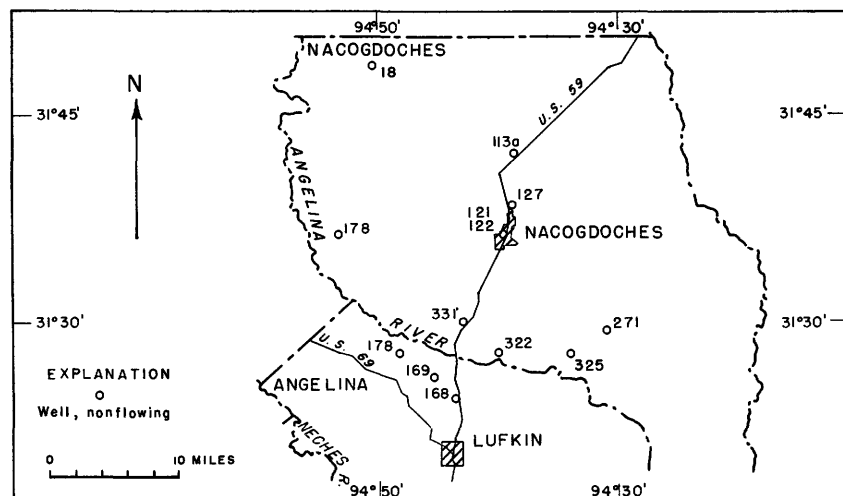
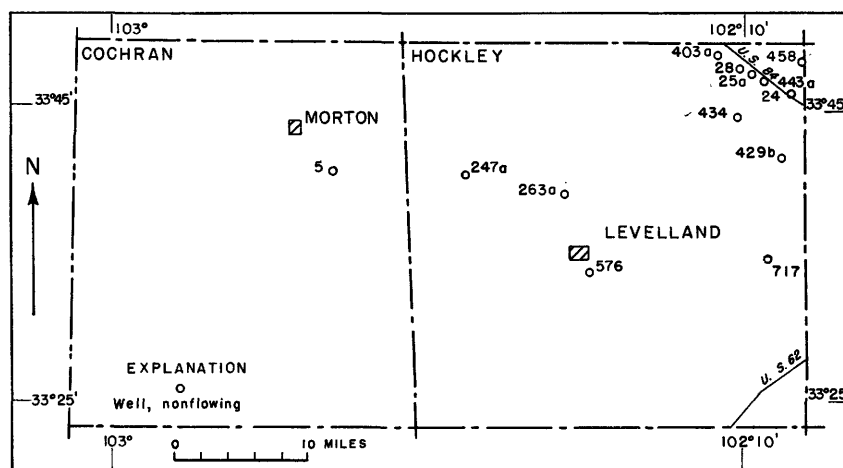
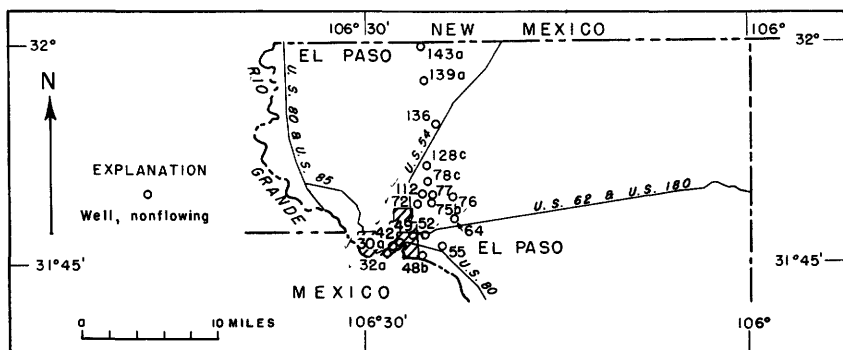
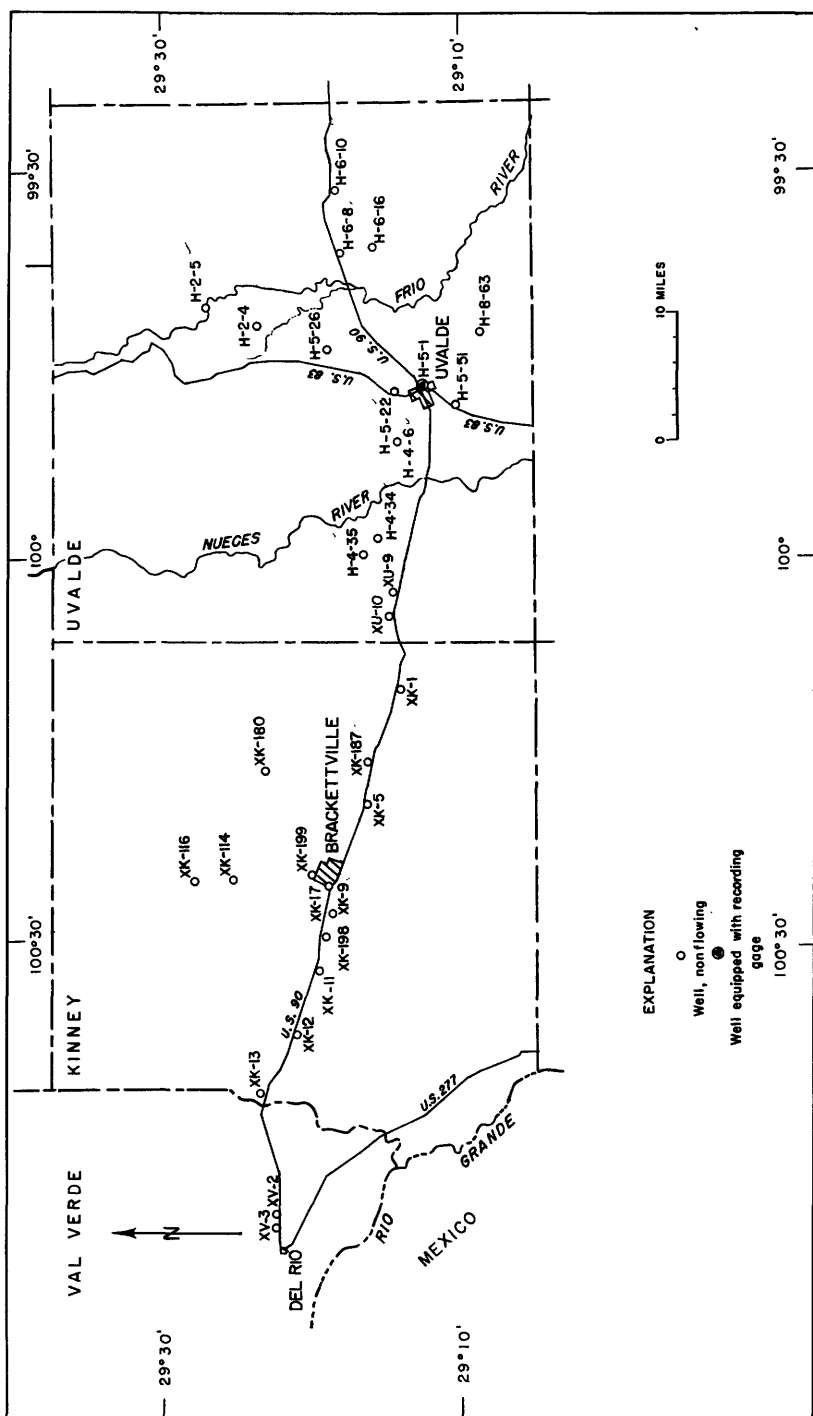


Figure 21. --Location of observation wells in El Paso, Cochran, Hockley, Nacogdoches, and Angelina Counties, Tex., 1953.



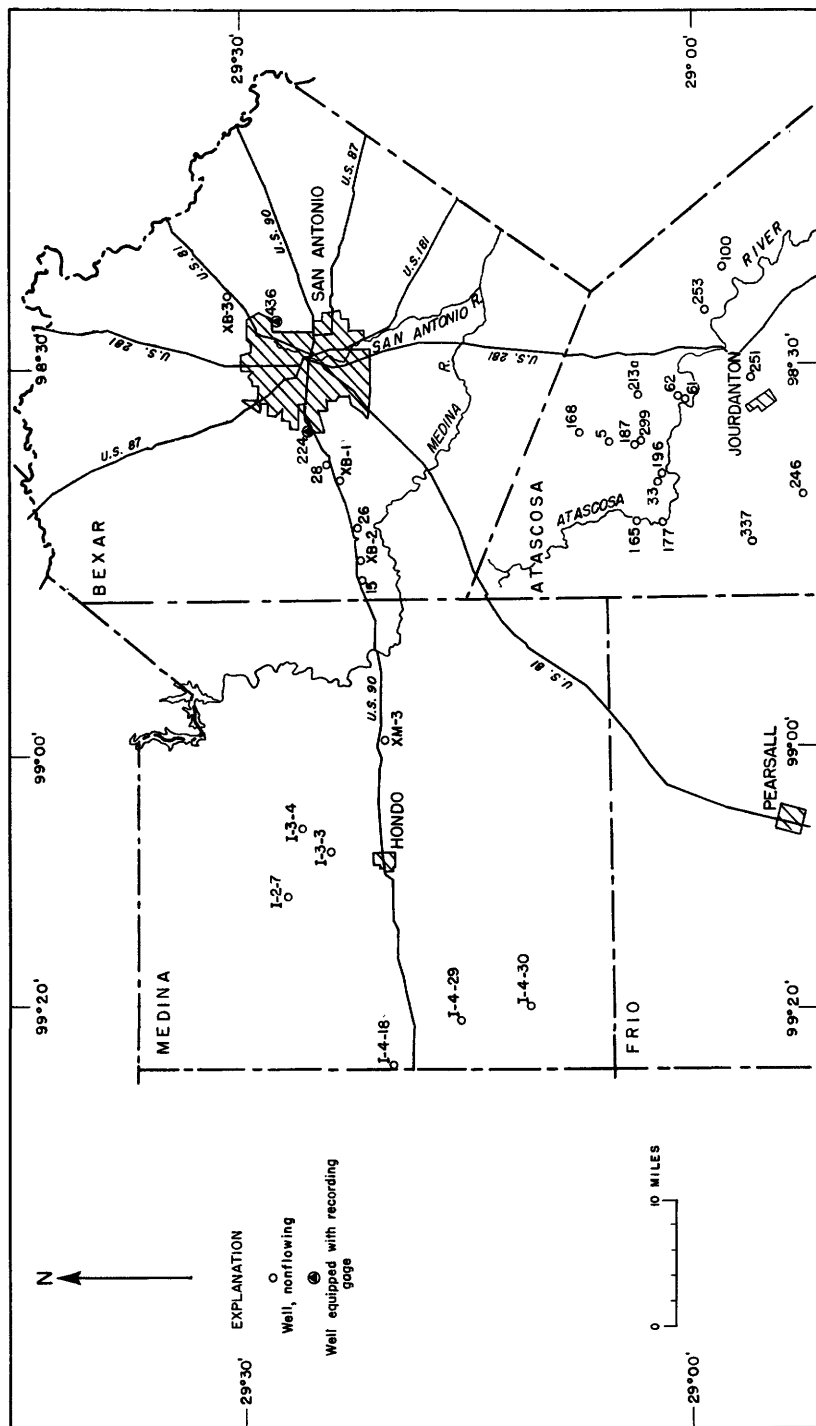


Figure 23. ---Location of observation wells in Medina, Bexar, and Atascosa Counties, Tex., 1953.

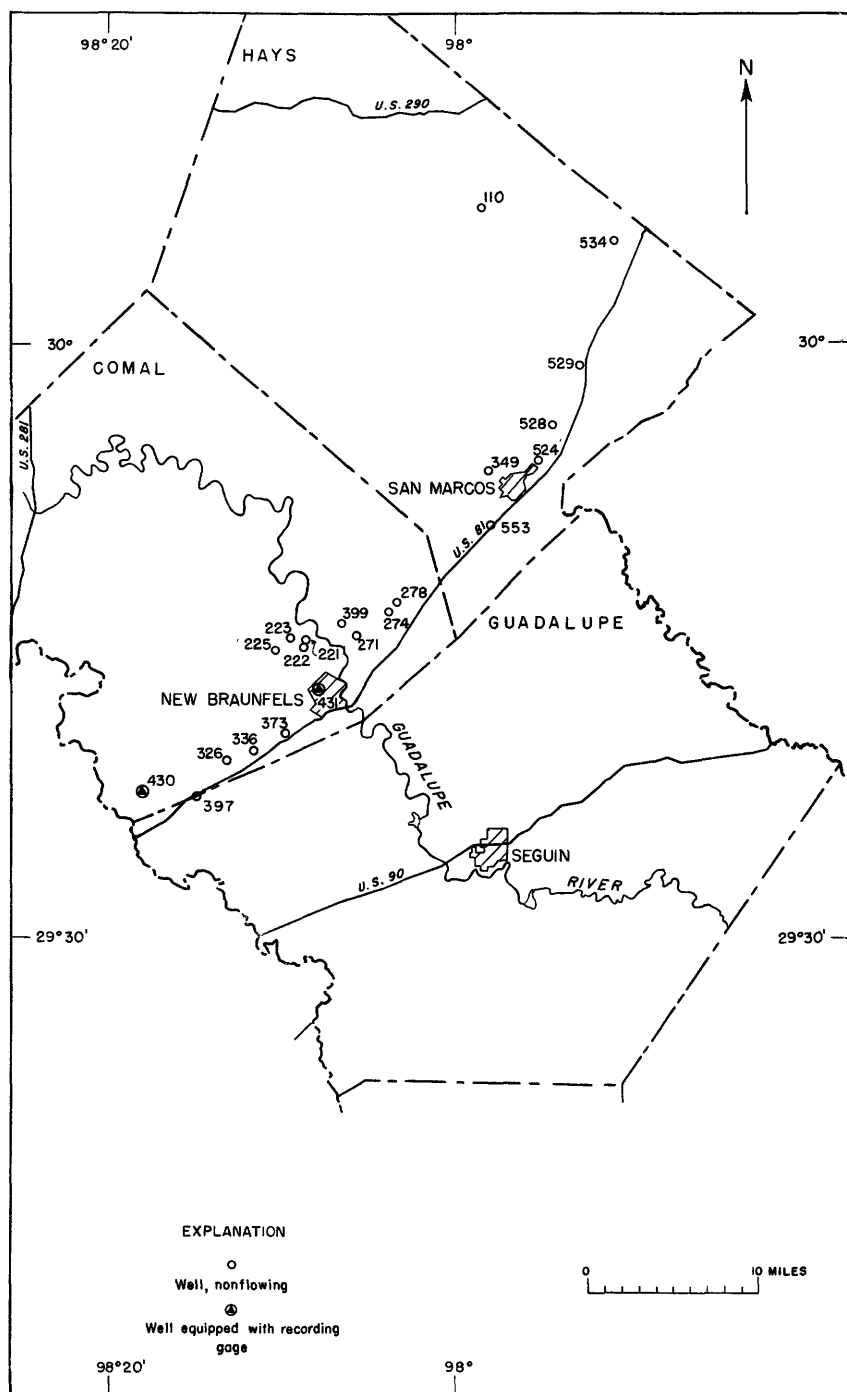


Figure 24. --Location of observation wells in Hays and Comal Counties, Tex. , 1953.

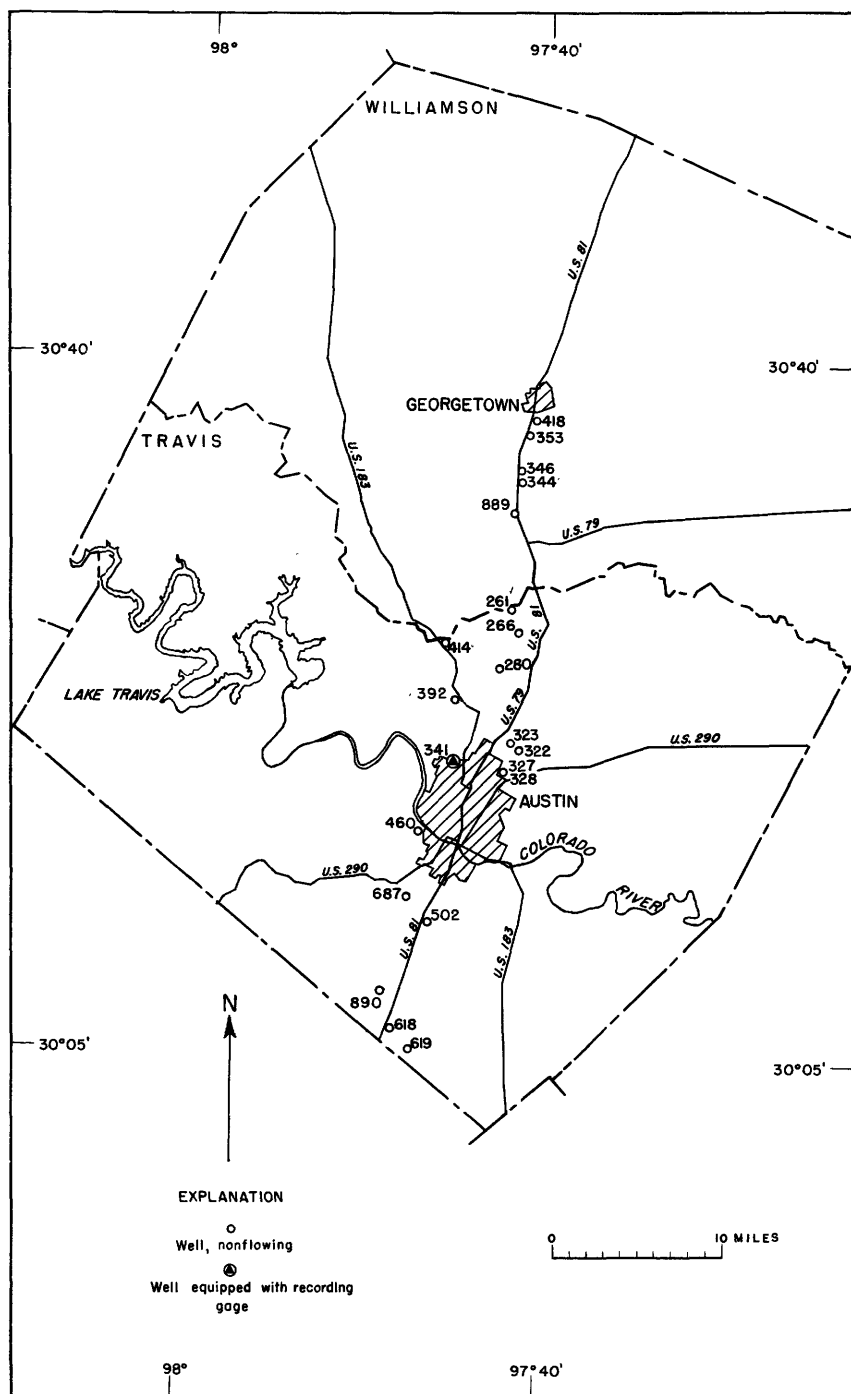


Figure 25. --Location of observation wells in Williamson and Travis Counties, Tex., 1953.

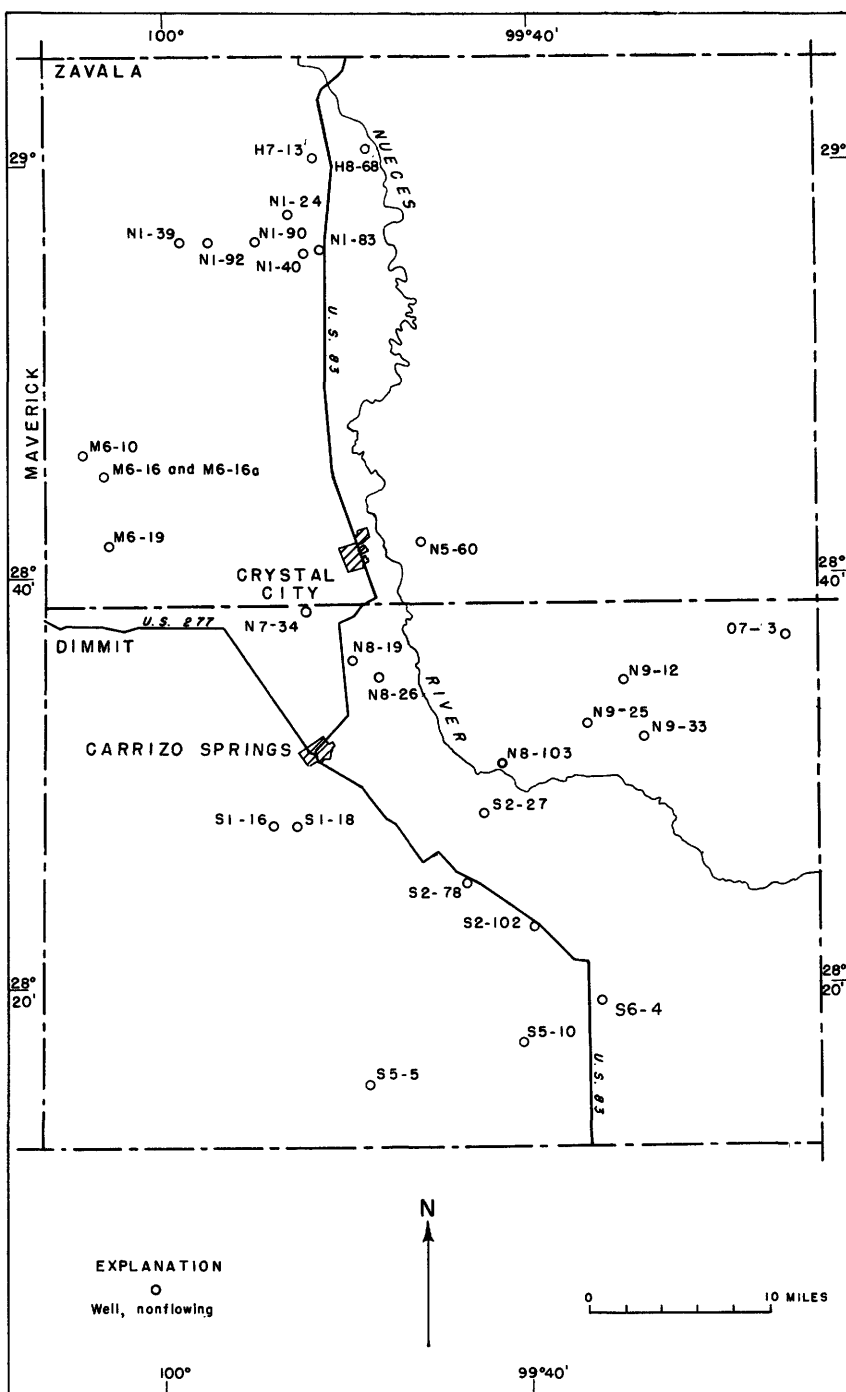


Figure 26. --Location of observation wells in Zavala and Dimmit Counties, Tex., 1953.

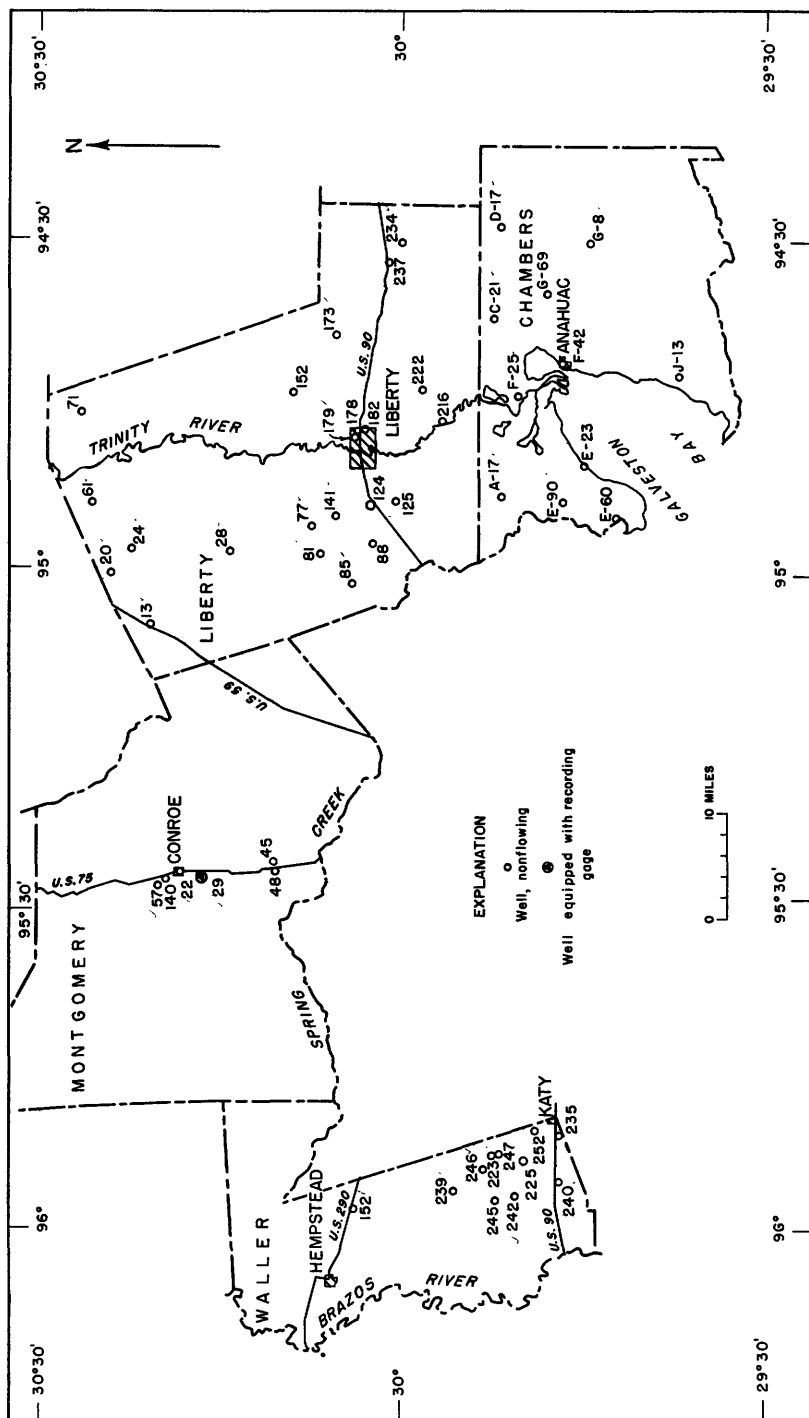
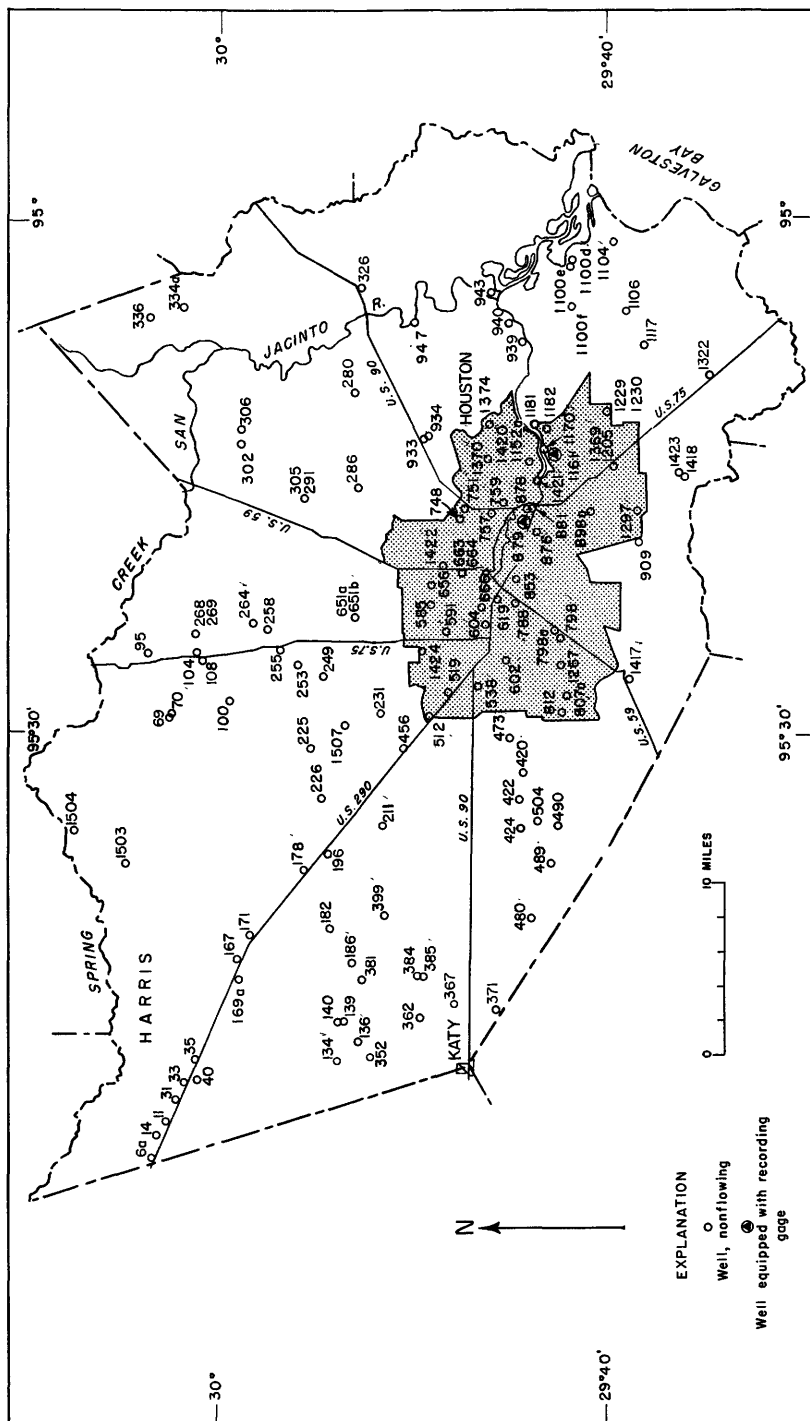


Figure 27. --Location of observation wells in Waller, Montgomery, Liberty, and Chambers Counties, Tex., 1953.



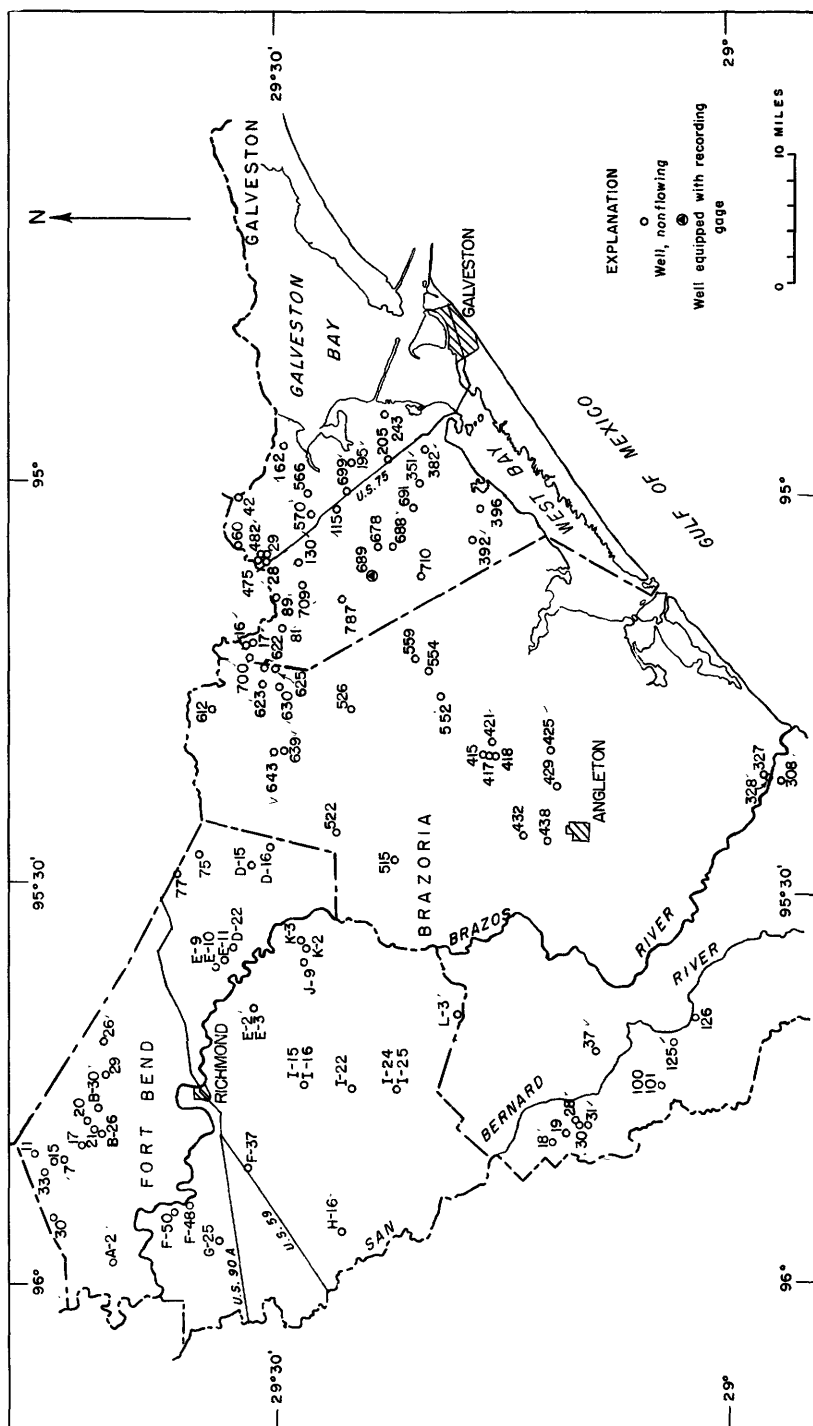


Figure 29. --Location of observation wells in Fort Bend, Brazoria, and Galveston Counties, Tex., 1953.

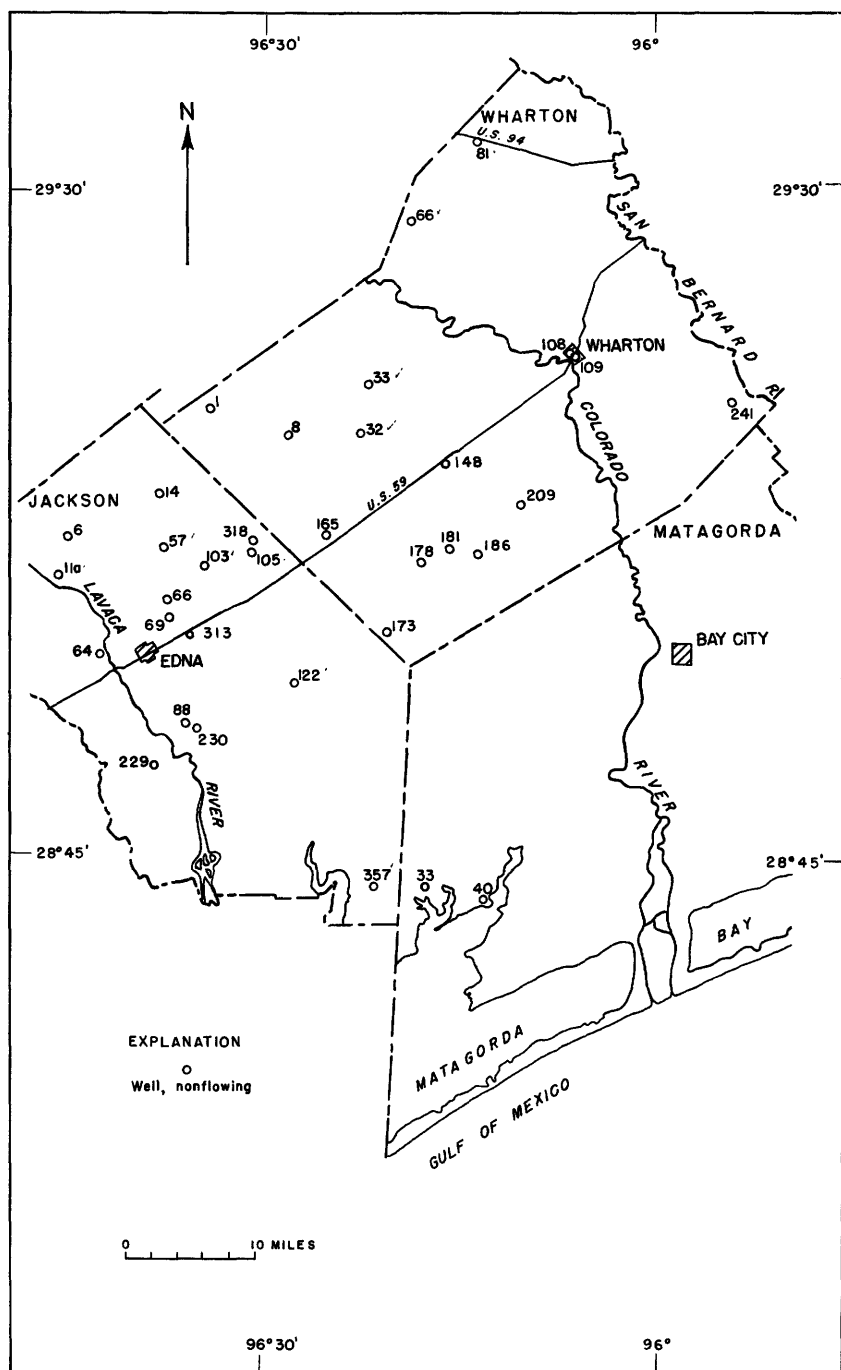


Figure 30. --Location of observation wells in Wharton, Jackson, and Matagorda Counties, Tex., 1953.

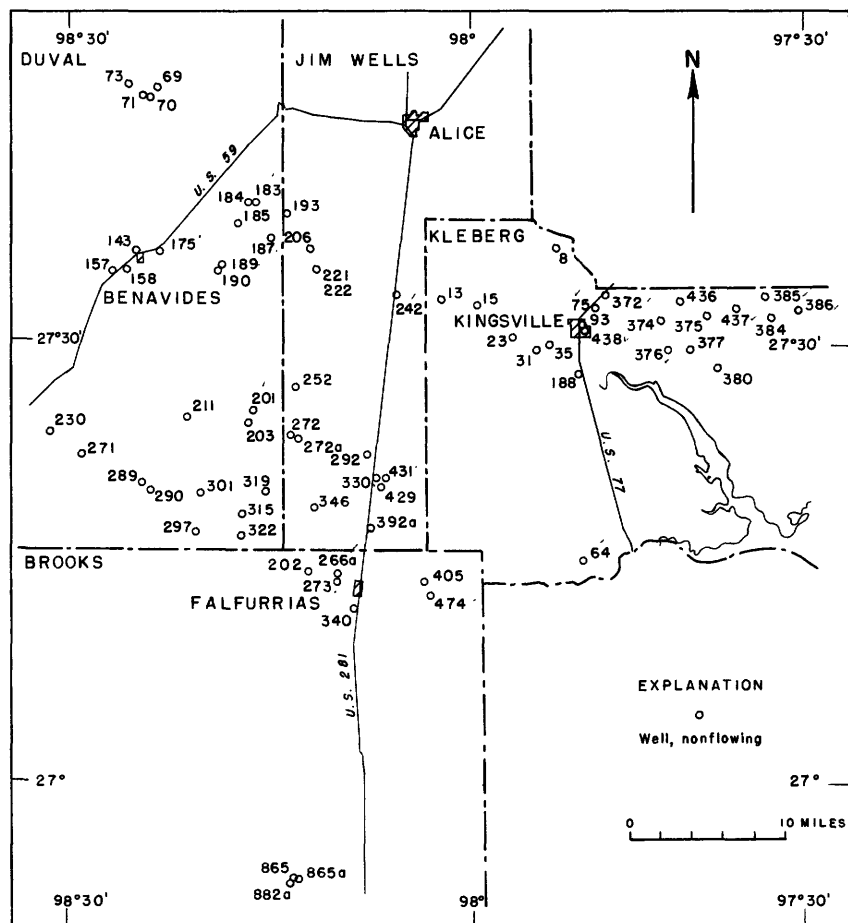
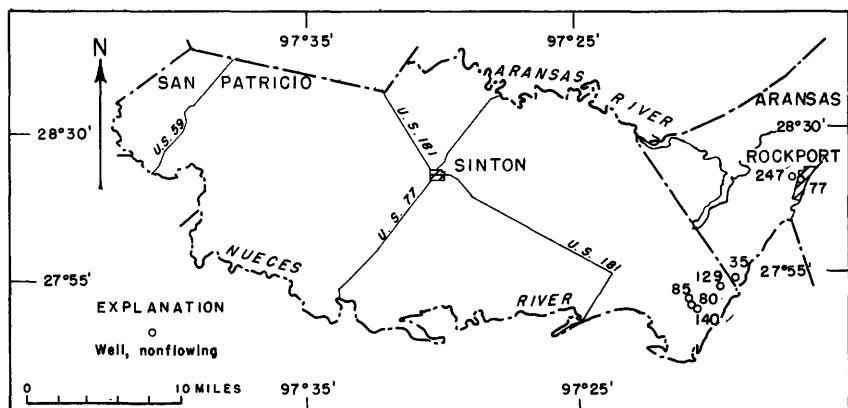


Figure 31. --Location of observation wells in San Patricio, Aransas, Duval, Jim Wells, Kleberg, and Brooks Counties, Tex., 1953.

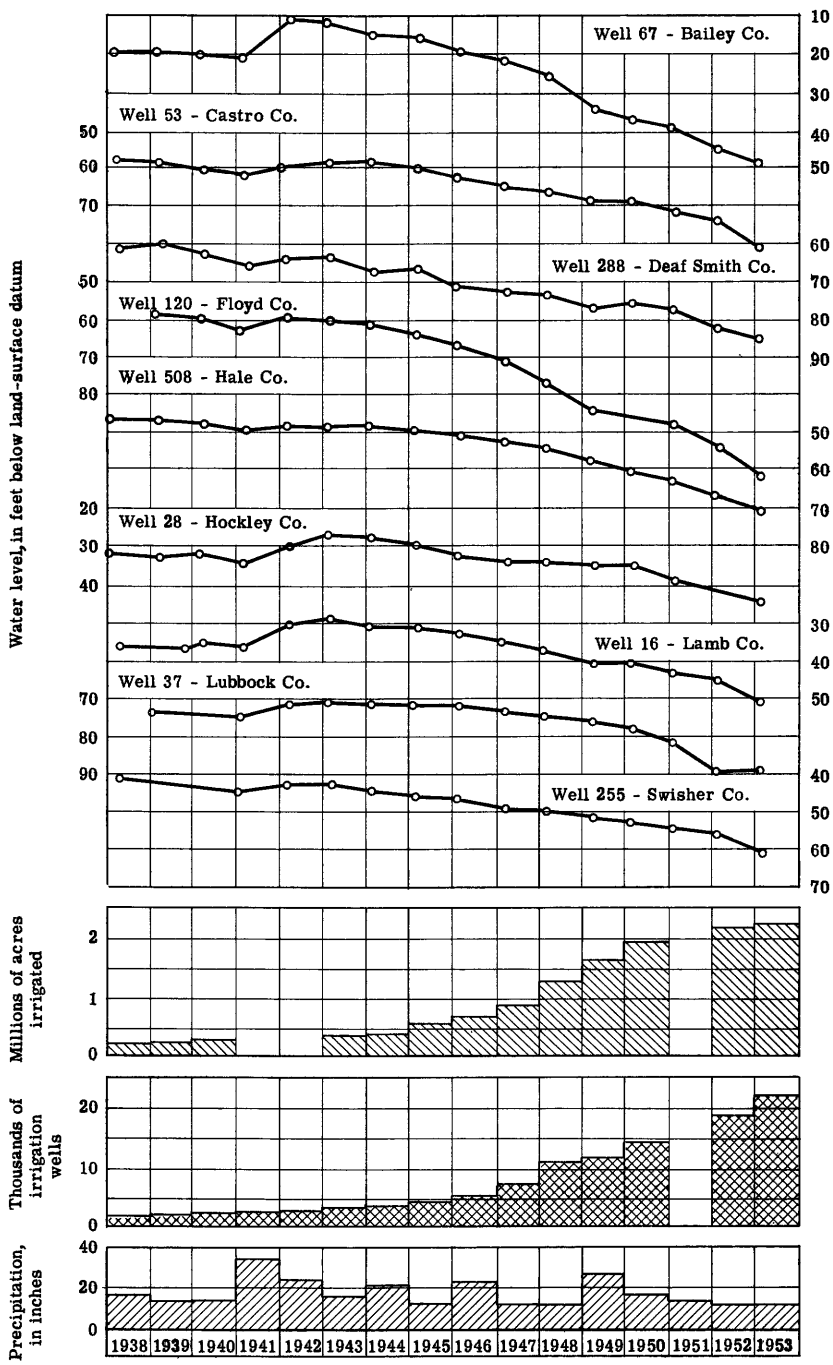


Figure 32. --Water levels in wells, number of irrigation wells, acres irrigated, and precipitation in the Southern High Plains of Texas, 1938-53.

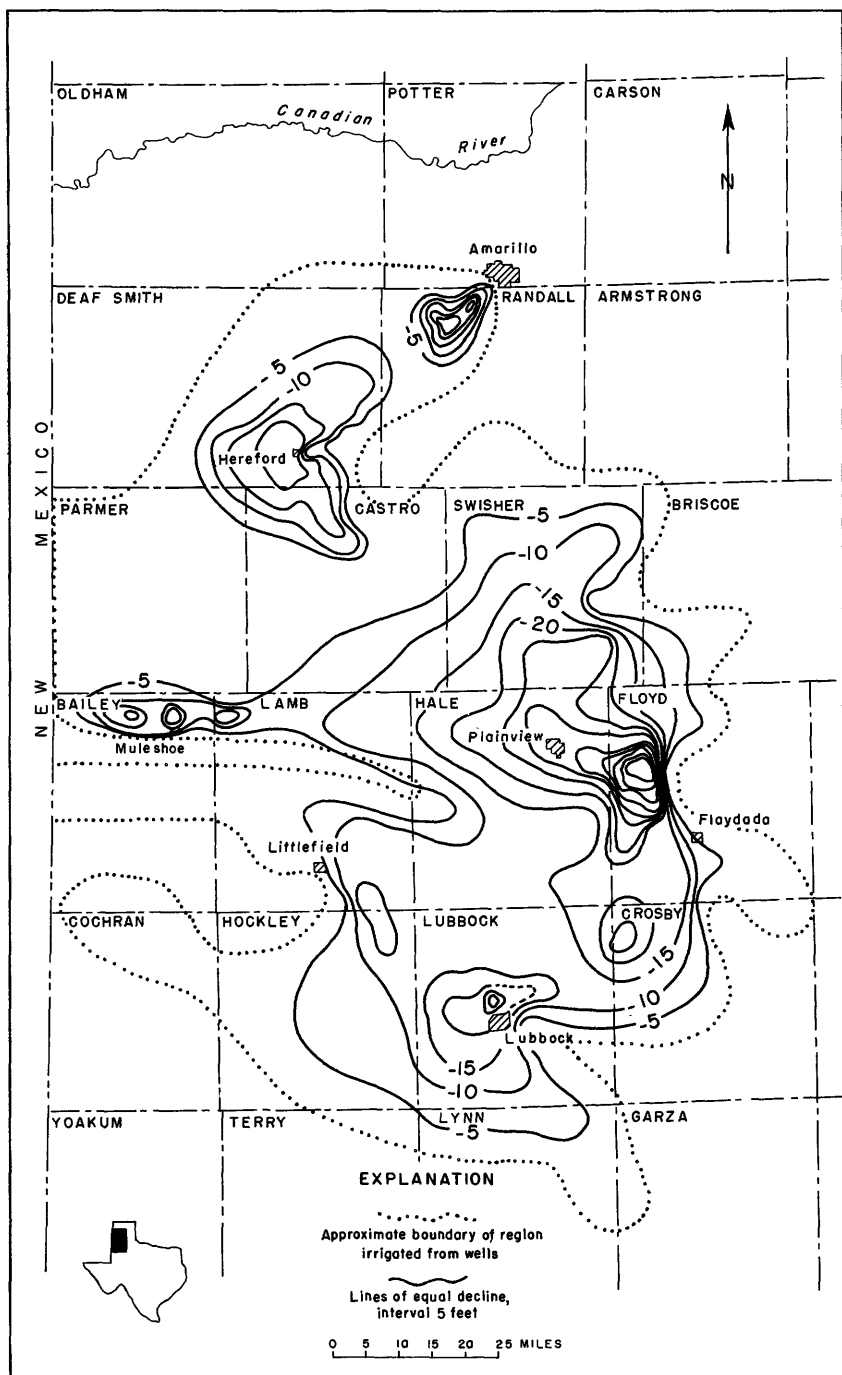


Figure 33. --Approximate decline of the water table in the Southern High Plains of Texas, March 1938 to January 1953.

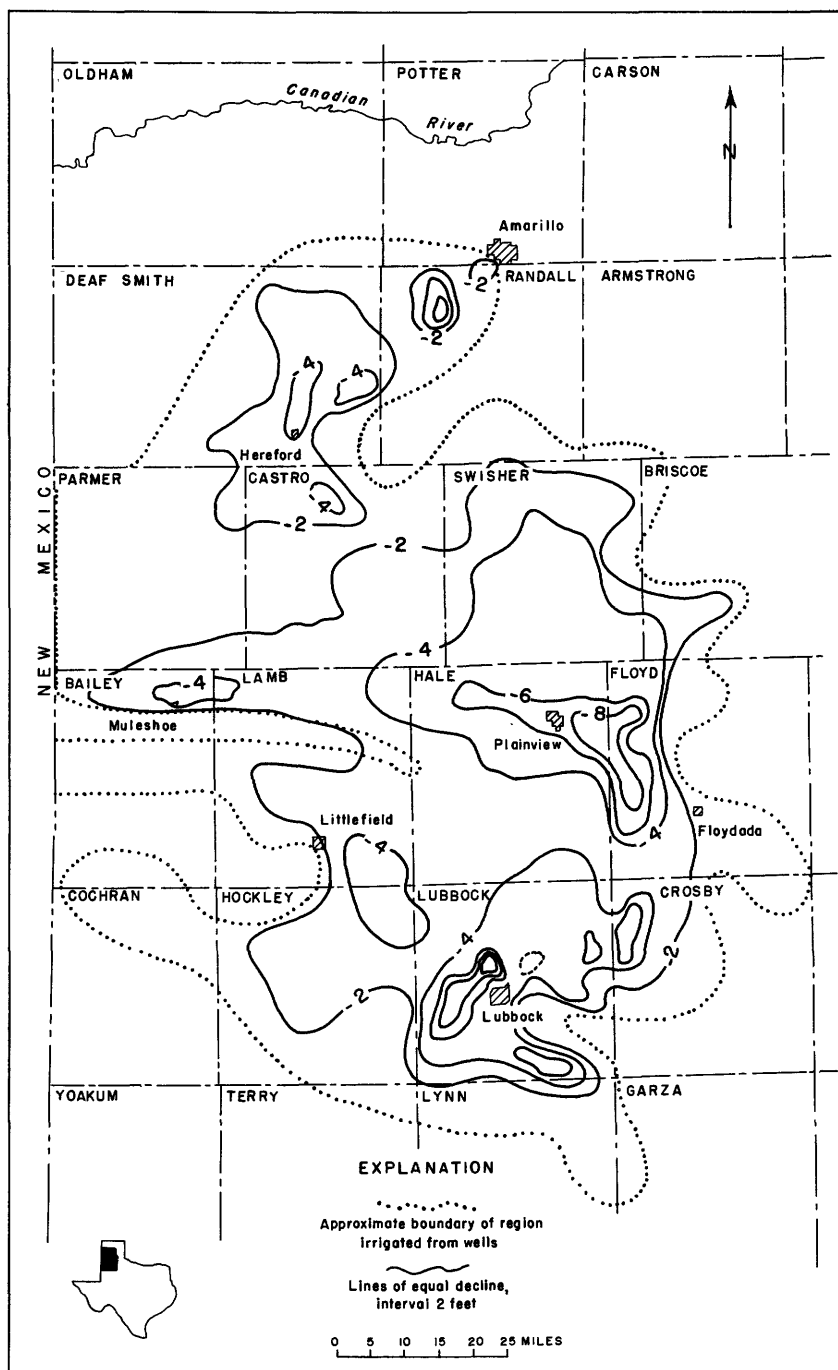


Figure 34. --Approximate decline of the water table in the Southern High Plains of Texas, February 1952 to January 1953.

drought conditions have lengthened the periods of irrigation, so that pumping is almost continuous. In 18 observation wells in the district, water levels in 3 wells rose in the range of 5 feet to 33.3 feet, whereas 15 wells had declines ranging from 0.3 foot to 33.5 feet. The average net decline for all wells was 8 feet. The table on page 132 shows the change of water level in 1953 from preceding years.

Houston District. -- The Houston district includes Harris County west of the San Jacinto River and parts of Fort Bend, Waller, and Montgomery Counties. Large quantities of ground water are pumped for industrial and municipal purposes in the Houston-Pasadena Ship Channel area and for irrigation of rice in the Katy area west of Houston. All the wells draw water from sands that crop out 20 to 50 miles west, northwest, north, and northeast of Houston. About 320 observation wells in the district are measured.

The following table shows the estimated average daily withdrawal of ground water for 1930-53 in the Houston-Pasadena and the Katy areas. The table includes data from only those wells which are pumped an average of 5,000 gallons per day or more. No attempt has been made to estimate the pumpage from the numerous domestic, stock, and other small wells in the district. In 1953 there was a net increase of pumpage of ground water in the Houston-Pasadena area of about 6 million gallons per day over that of 1952. The city of Houston pumped an average of 3.4 million gallons per day more in 1953 than in 1952, but this increase was offset by a decrease in pumpage of about 3 million gallons per day in 1953 by independent public supply, small industrial, and other miscellaneous wells. Pasadena industrial wells were pumped an average of 6 million gallons per day more in 1953 than in 1952. Owing to the increased use of surface water for industry, pumpage of ground water decreased slightly in the west end of the Ship Channel area, but pumpage north of the Ship Channel and along the east end increased to account for a net gain of 6 million gallons per day in the Ship Channel industrial area. Water levels in the heavily pumped sands in the area along the west end of the Ship Channel had little or no net decline in 1953, whereas water levels in the same sands in the area along the east end of the Ship Channel declined as much as 30 feet during the same period. Declines in water levels in the heavily pumped sands in the vicinity of the city of Houston well fields corresponding to the increase in pumpage from those well fields ranged from 1 foot to 29 feet. Figure 35 shows the approximate altitude of water levels in wells in the Houston district in March 1953. Figure 36 shows the average daily pumpage in the Houston district, 1930-53. Figure 36 shows hydrographs of representative wells also during that period. In the spring of 1953, the depths to water in many temporarily idle wells ranged from 180 to 270 feet below sea level (or from about 230 to 310 feet below land surface) in the areas of greatest withdrawals. The pumping levels ranged from about 200 to 360 feet below sea level (250 to 400 feet below the land surface) in some of the most heavily pumped wells along the Houston Ship Channel.

Average daily pumpage in the Houston-Pasadena and Katy areas
(millions of gallons a day)

	1930	1935	1937	1940	1941	1942	1943	1945	1950	1951	1952	1953
Houston Water Dept. (from city records)	26	25	25	29	27	31	35	43	64	72	74	77
Independent public supplies and small industrial wells	14	14	16	17	16	18	20	21	27	28	32	29
Pasadena industrial wells	10	10	29	33	34	36	39	48	65	67	74	80
Subtotal for Houston- Pasadena area	50	49	70	79	77	85	94	112	156	167	180	186
Katy irrigation wells	18	14	30	45	23	38	52	50	98	117	128	115
Total for the district	68	63	100	124	100	123	146	162	254	284	308	301

The rice-irrigation wells are pumped only during the season that begins about May 1 and lasts approximately 130 days. The pumpage in the Houston and Pasadena area, although continuous, is much heavier in the summer than it is during the remainder of the year. Therefore, for convenience in the compilation and in order that comparisons may be made, the withdrawals in all three areas are given as daily averages for the entire year.

In the Katy rice-growing area, on or near the outcrop of the sands that supply much of the water pumped at Houston, the amount of land irrigated with ground water totaled 58,000 acres in 1953, compared with 55,000 acres in 1952. However, because of the increased rainfall during the irrigation season in 1953 the ground-water pumpage, expressed as a daily average for the year, declined from an estimated 128 million gallons per day in 1952 to an estimated 115 million gallons per day in 1953. These estimates are based on records of electric power consumption and records of average rainfall from 15 stations in the Katy rice area. There was 1 foot or less decline in water levels in 1953 in the northwest part of the Katy area. That part of the area which is adjacent to Houston continued to decline partly because of the increased pumpage in the Houston area.

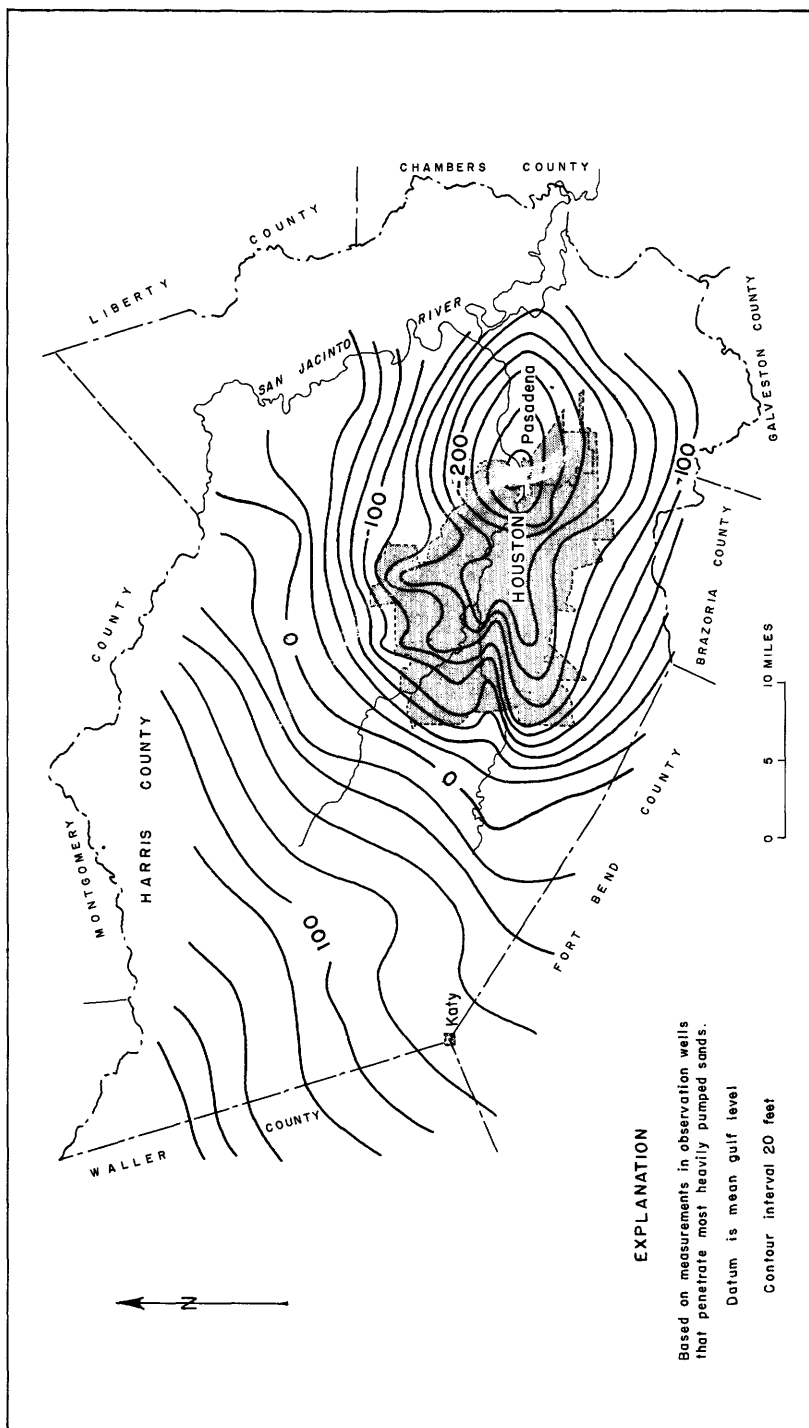


Figure 35. --Water levels in wells screened opposite heavily pumped sands, Harris County, Tex., March 1953.

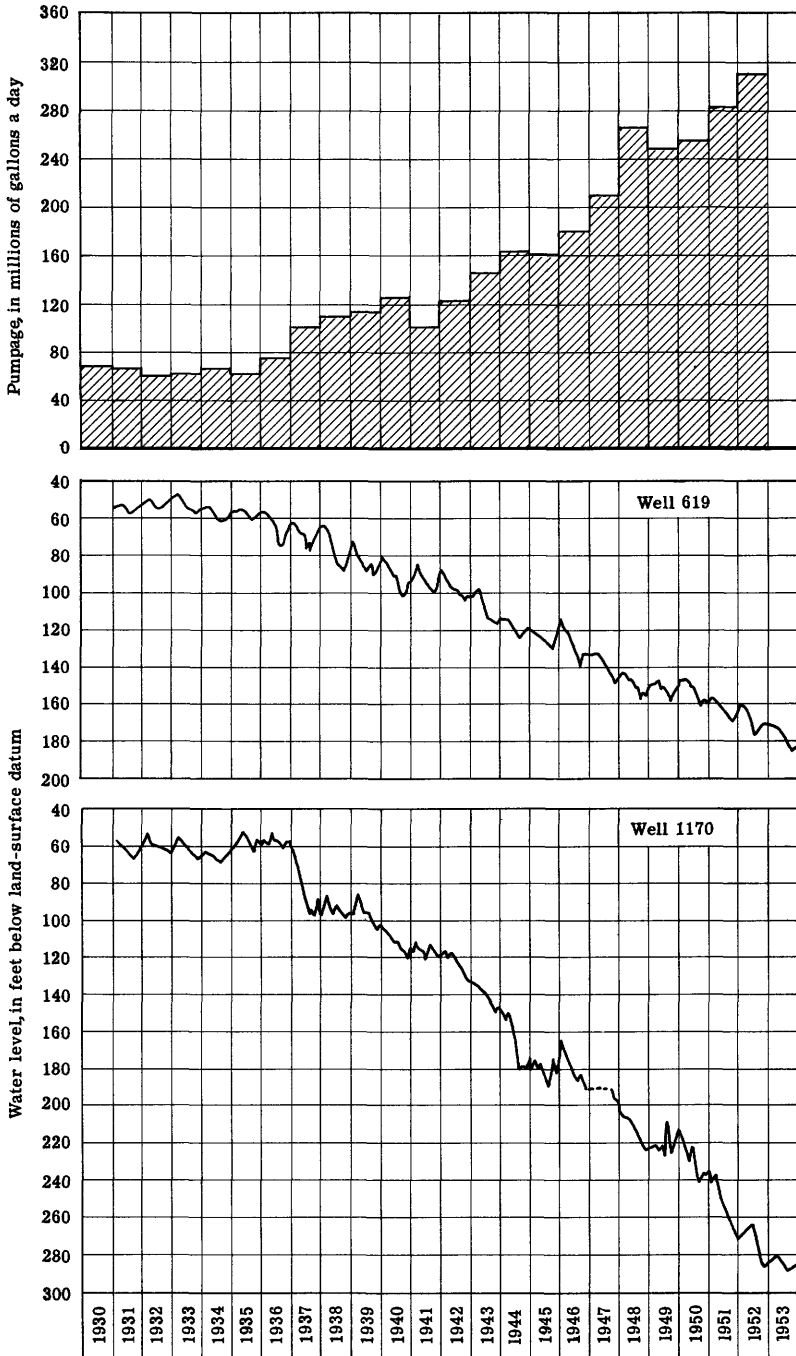


Figure 36. --Average daily pumpage in the Houston district, Texas, and water levels in wells 619 and 1170, 1930-53.

July-September water-level measurements in the Winter Garden district in Dimmit and Zavala Counties, Texas

[Where more than one measurement was made, the highest water level was used. Water level in feet below land-surface datum.]

Well	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953
M6-10	73.8	73.4	72.6	.....	73.2	73.4	76.2	79.6	79.4	79.4	83.8	.....	97.1	96.3	99.9	106.7	110.6	115.5
M6-16	41.1	39.7	40.7	42.0	42.7	.....	47.1	46.4	47.1	46.8	47.4	49.4	49.6	51.7	52.3	55.2	87.7	54.4
M6-16a	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61.4	71.7	71.7	74.0	74.2	91.2	101.1
M6-18	39.3	39.2	37.3	41.4	38.2	38.1	41.5	45.6	44.8	44.7	51.7	56.4	66.9	64.0	68.8	87.8	81.3	81.6
M6-19	57.2	55.4	56.0	55.2	56.0	48.3	59.6	61.7	61.6	62.4	65.0	67.0	69.0	70.1	80.4	77.2	82.9	89.2
N1-24	122.4	122.7	121.3	125.3	123.0	123.8	126.1	133.4	130.9	133.6	141.2	159.7	168.7	168.8	194.2	208.6	238.1	226.9
N1-39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82.0	83.3	.....	86.1	88.5	90.9
N1-40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	166.5	162.8	183.3	219.8	255.2	250.2
N1-90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	187.4	178.5	190.6	222.7	242.6	248.8
N1-92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83.1	95.1	91.3	100.5	117.6	125.4	135.9
N5-60	61.5	54.3	51.1	58.3	49.7	41.4	.....	.....	66.7	90.3	.....	116.2	148.5	131.8	183.1	239.9	267.4	300.9
N7-34	46.8	44.5	40.7	44.8	34.1	34.7	47.2	60.5	55.7	62.8	64.5	55.9	58.2	62.6	65.2	74.6	76.0	88.6
N8-26	51.6	47.5	47.1	53.5	38.0	39.4	.....	73.5	66.8	65.8	74.1	.....	130.2	107.8	139.9	.....	160.5	.....
N8-103	28.7	20.5	28.0	29.3	12.9	12.9	28.8	.....	.....	.....	.....	49.7	71.9	60.5	85.7	.....	186.0	208.3
N9-25	.....	10.4	.....	.....	5.2	.....	.....	.....	30.6	29.9	25.0	.....	57.5	44.3	70.3	116.3	151.7	180.1
N9-33	35.5	21.6	35.8	26.4	17.1	17.6	30.7	43.6	39.0	40.3	35.1	38.6	42.9	51.3	53.5	80.8	98.4	121.2
O7-3	97.3	94.4	.....	98.4	93.3	93.3	96.1	102.2	103.4	102.5	105.4	108.1	118.0	119.8	125.0	147.1	.....	193.1
S1-18	104.2	103.1	104.5	104.7	104.9	105.3	105.8	107.4	108.2	109.5	109.9	111.7	113.9	113.8	115.2	116.9	120.5	122.1
S2-27	56.7	47.4	52.1	56.5	.....	50.4	52.4	60.4	65.5	64.4	68.6	68.1	72.4	75.6	82.4	91.4	111.0	114.2
S2-78	159.6	151.5	157.2	156.7	145.2	143.2	159.8	184.1	176.1	182.5	176.5	178.2	202.3	185.2	205.8	246.3	260.5	278.3
S2-102	114.3	110.1	.....	110.1	103.8	100.8	105.1	113.5	113.1	112.6	112.5	110.9	113.9	114.6	115.4	120.2	129.8	137.9
S5-5	68.3	62.7	63.7	66.3	66.1	64.6	68.2	75.2	77.2	76.0	80.1	77.1	80.9	82.2	85.7	100.5	108.0	119.8
S5-10	75.1	75.9	79.5	81.9	.....	.....	.....	.....	96.6	95.3	97.3	96.1	104.4	102.4	109.9	133.0	142.8	159.4
S6-4	17.9	7.8	11.0	9.8	7.1	7.0	10.7	21.3	21.6	20.4	20.6	19.9	21.3	21.3	25.7	34.7	37.6	45.7
T1-5	8.2	4.1	8.5	6.9	1.8	2.6	.....	13.8	14.4	15.2	17.5	16.5	29.3	28.0	38.7	64.3	.....	.....

The ground-water reservoirs are recharged by precipitation that falls on the outcrop of the water-bearing sands northwest, north, and northeast of Houston. Periodic measurements of shallow wells in portions of the outcrop areas that are more or less remote from areas of large ground-water withdrawals appear to correlate with rainfall rather than declines resulting from pumping. Water levels in these wells continued their downward trend during 1953 responding to the continuing period of below-normal precipitation which began in the summer of 1950.

Galveston County. --For a few years prior to 1944 there was a rapid continuous decline in water levels in Galveston County as a result of heavy pumping in the Texas City industrial area, and in the Alta Loma well field of the city of Galveston. The rate of decline decreased from 1944 to 1947, and at Texas City the artesian pressure was nearly stabilized as the cone of depression caused by the pumping became flatter and larger each year. Pumpage in 1948 was curtailed appreciably as a result of a surface-water supply being made available for industrial use at Texas City, and water levels in the deeper "Alta Loma" sands, at and near industrial wells, recovered from 25 to 33 feet from 1948 to 1953. The water levels in the shallower sands of the Beaumont clay in the Texas City area recovered from 10 to 25 feet from 1948 to 1951 and remained about the same in most wells in 1952 and 1953. There was a small decline in 1953 in the shallow sands in the Texas City area. The following table shows the average daily pumpage from the two principal aquifers in Galveston County.

Average daily pumpage in Galveston County
(millions of gallons a day)

	1951		1952		1953	
	Beaumont clay	"Alta Loma" sand	Beaumont clay	"Alta Loma" sand	Beaumont clay	"Alta Loma" sand
City of Galveston (Alta Loma well field)		10.7		10.7		10.5
Texas City (Municipal and industrial)	6.8	5.2	5.3	4.9	5.8**	5.2**
Small public supplies	0.9	0.4	0.9	0.9	1.0	1.2
Galveston industrial water*	0.1	2.0	0.1	2.0	0.1	2.0
Totals by aquifers	7.8	18.3	6.3	18.5	6.9	18.9
Total	26		25		26	

* Salty ground water used for cooling.

** Subject to revision.

The water levels in the Galveston city well field at Alta Loma rose slightly during the latter part of 1948 and during 1949, but they have been fairly constant from 1951 to 1953 except for small seasonal variations. Water levels in the northern and northeastern parts of Galveston County continue to decline at a rate of 2 to 4 feet per year, largely because of the influence of pumping in the Houston district.

Angelina and Nacogdoches Counties. --The Carrizo sands in Angelina and Nacogdoches Counties supply most of the water used by the cities of Lufkin and Nacogdoches and the Southern Paper Mills, Inc. at Lufkin. Figure 37 shows graphically the average pumpage of water from the Carrizo sand and the resulting fluctuation of artesian pressure changes caused by pumping.

El Paso County. --In 1953 water levels in the El Paso district seemed to follow the usual cycle. Declines begin in January and gradually increase until late summer when recovery begins and continues until January. In well 76 the water level declined 6.60 feet from January to a new all-time low of 261.51 feet in September; then gradually recovered 7.40 feet or to a depth of 254.10 feet by the end of December.

South Texas, Duval County. --Most of the observation wells in Duval County are east of the Borden escarpment in the outcrop of the sand from which the wells in Brooks, Jim Wells, and Kleberg Counties receive most of their water. From 32 observation wells, whose water levels are measured annually, 6 had rises ranging from 0.35 foot to 5.87 feet with an average rise of 2.37 feet. In 26 wells, water levels declined from 0.75 foot to 6.62 feet or an average of 2.82 feet. The decline in water levels was about the same in wells less than 100 feet deep, as it was in wells as deep as 1,000 feet.

Jim Wells County. --Observation wells in Jim Wells County, most of which are in the southwestern part known as the Premont-Falfurrias irrigation area, draw from several sands and are from 25 feet to 1,000 feet deep. In 18 observation wells measured annually, water levels in 2 wells rose 0.68 foot and 3.00 feet in 1953. In the heavily pumped area, declines were recorded for 16 wells ranging from 0.68 foot to 19.25 feet. The average decline was 6.51 feet.

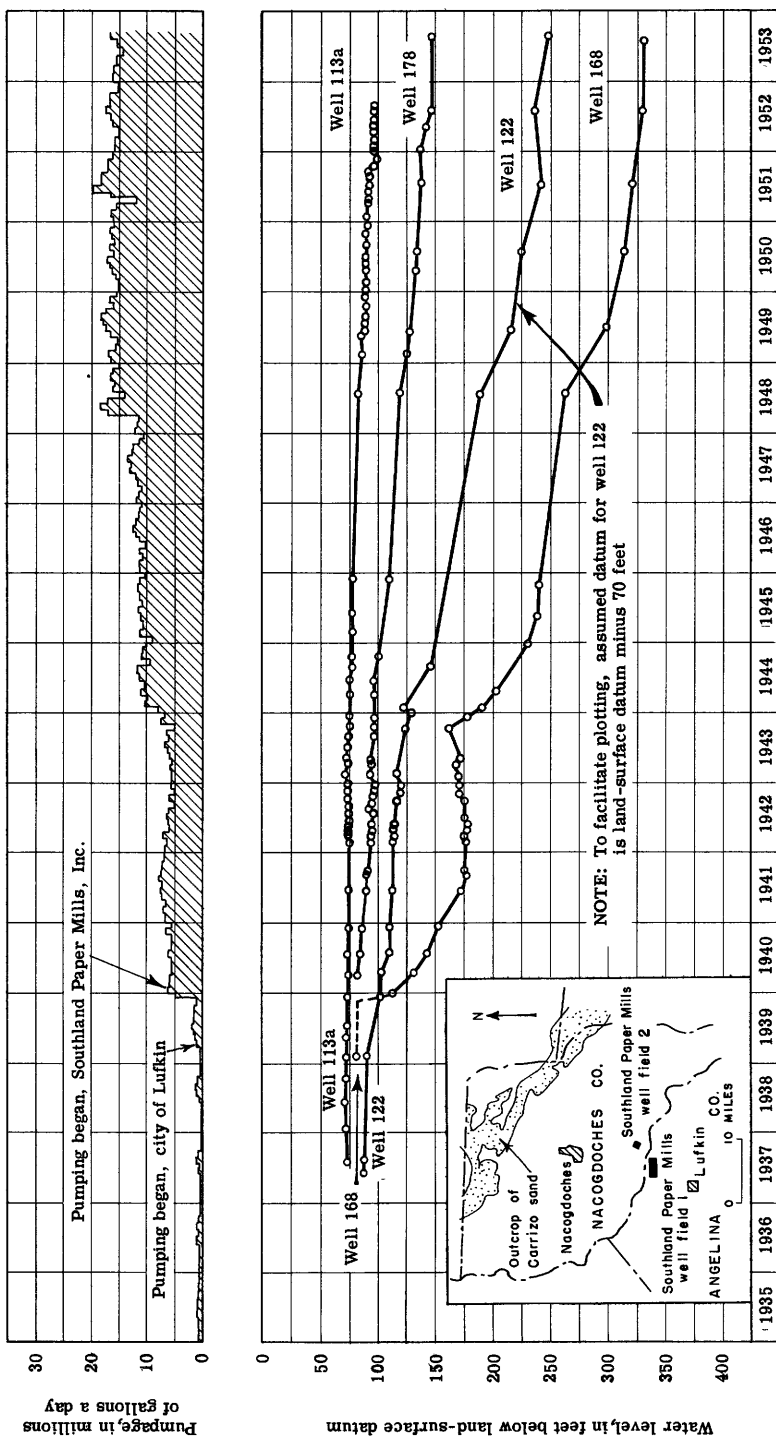


Figure 37. --Withdrawal of ground water and decline of artesian head in Angelina and Nacogdoches Counties, Tex., 1935-53.

Brooks County. -- Brooks County observation wells are in the eastern half of the county on the coastal plain, most of them in the Falfurrias area. Well depths range from shallow to deep and the wells draw water from several sands. Of 18 observation wells measured annually, 8 wells had a rise in water levels ranging from 0.67 foot to 6.04 feet, and in 10 wells water levels declined from 0.25 foot to 20.27 feet with an average decline of 6.09 feet in 1953.

Balcones Fault Zone. -- Observation wells in Val Verde, Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties are in the Balcones Fault zone. Most of them draw water from the Edwards limestone reservoir, but a few draw from reservoirs in the Glen Rose, Austin chalk, and shallow sands of Quaternary age. The Edwards limestone supplies water for irrigation in Uvalde, Medina, and Bexar Counties, for municipalities and industries in the San Antonio area, and for farms and ranches along the entire Balcones Fault zone. Uvalde County pumped approximately 8.3 billion gallons of water in 1953, mostly from the Edwards limestone; 7 billion for irrigation, 1 billion for the city of Uvalde, and about 270 million for the U. S. Fish Hatchery. Well H-5-1 in Uvalde, which is equipped with a recording gage, showed a decline of 7.38 feet from January 1, 1953 to August 19, 1953. After heavy precipitation in late August, the water level rose gradually until at the end of the year it had recovered 5.41 feet, leaving a net decline of 1.97 feet for the year. Bexar County and the city of San Antonio used about 68 billion gallons of water from the Edwards limestone during 1953, of which 47 billion was pumped in San Antonio for public supply and industrial use and 21 billion for irrigation. The heavy withdrawals caused water levels in the county to decline an average of 5.37 feet during the year. Observation well 436 declined from 71.54 feet on January 1, 1953, to 76.45 feet on December 23, 1953, a net decline of 4.91 feet. Observation well 224 declined from 70.82 feet on January 1, 1953, to 76.10 feet on December 31, 1953, a decline of 5.28 feet. These wells are equipped with recording gages. See figure 38 for fluctuations of water level in well 436, accumulated deviation from normal precipitation, and the precipitation at Boerne, Kendall County, 1933-53. Some of the largest springs in the Southwest are along the Balcones Fault zone. Three of these, Comal at New Braunfels, Goodenough at Comstock, and San Marcos at San Marcos, are among the 65 largest in the United States. Other large springs along the Balcones Fault zone are San Felipe at Del Rio, San Antonio at San Antonio, Las Moras at Brackettville, and Barton at Austin. The lowered water level in this area has reduced the average flow of all springs in 1953 compared to the flow of 1950.

Discharge of Balcones Fault Zone Springs

Name of spring	1950 cfs	1953 cfs
Comal	304	194
San Marcos	153	130
Las Moras	22	5.5
Barton	40	35.2
San Antonio	90	*

* Not flowing.

Publications

The following ground-water bulletins were released by the Texas Board of Water Engineers during 1953:

Bulletin 5301, Ground-water resources of Odell sand hills, Wilbarger County, Texas, 1953.

Bulletin 5302, Records of water-level measurements in Hale County, Texas, 1953.

Bulletin 5303, Records of water-level measurements in Lubbock County, Texas, 1953.

Bulletin 5304, Records of water-level measurements in Floyd County, Texas, 1953.

Bulletin 5305, Records of water-level measurements in Deaf Smith County, Texas, 1953.

Bulletin 5306, Records of water-level measurements in Lamb County, Texas, 1953.

Bulletin 5307, Records of water-level measurements in Swisher County, Texas, 1953.

Acknowledgments

The City Water Board of San Antonio serviced 3 recording gages in San Antonio. The Houston Lighting and Power Co. made measurements on well 1170, Harris County. The Southland Paper Mills, Inc., of Lufkin furnished measurements and pumpage figures in Angelina and Nacogdoches Counties. E. I. du Pont de Nemours Co. serviced a recording gage at the Victoria Plant. The Soil Conservation Service, U. S. Department of Agriculture, measured several observation wells.

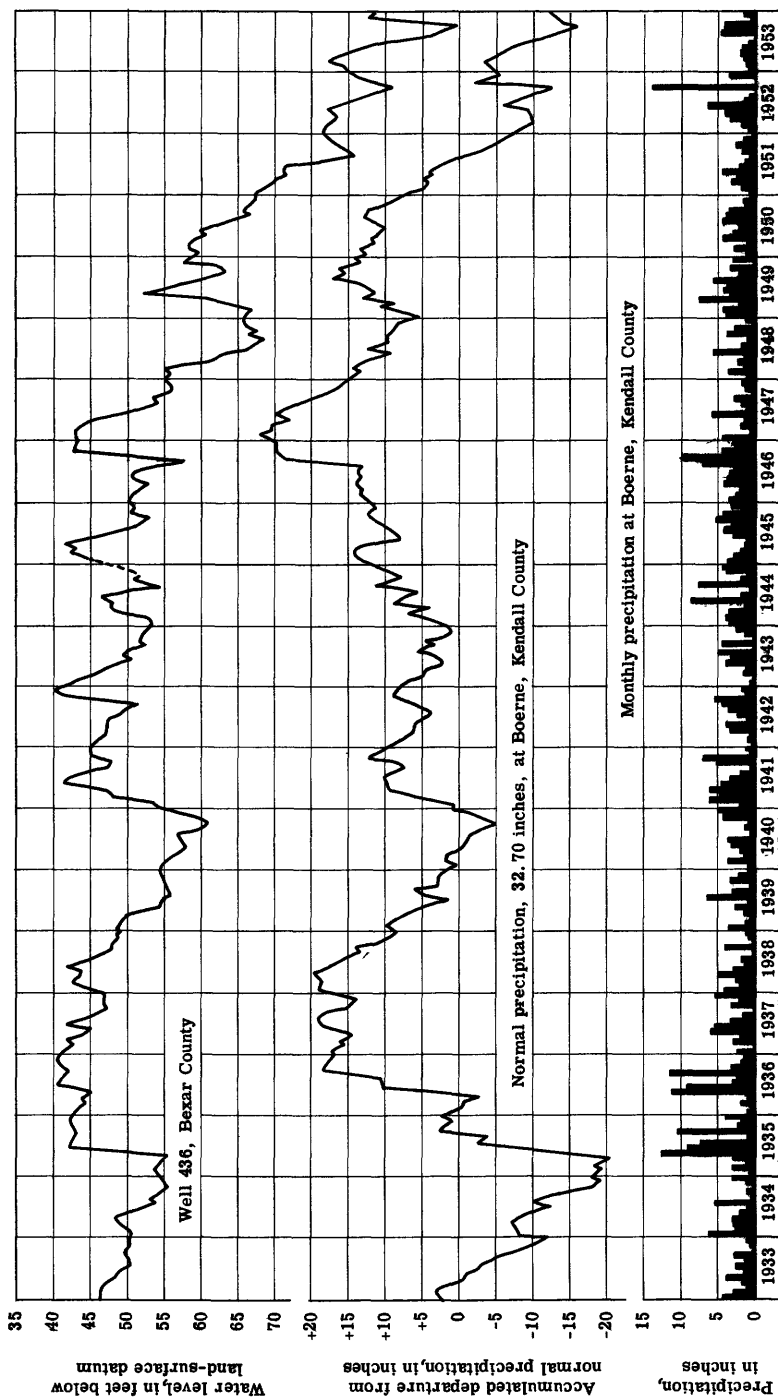


Figure 38. --Water level in well 436, Bexar County, accumulated departure from normal precipitation, and precipitation at Boerne, Kendall County, Tex., 1933-53.

Well-Numbering System

Three well-numbering systems have been used in Texas: (1) wells numbered consecutively beginning with 1 in the upper left corner and progressing back and forth across the county map; (2) a grid system for each county using a letter and a number to identify the grid followed by consecutive well numbers in each grid; (3) a grid system for each county using a letter to identify the grid followed by consecutive well numbers in each grid. In some reports the well-numbering system has been changed from system 1 to system 3 when a second report was released for the same area.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Angelina County

168. City of Lufkin. Near Redland School. Lat. $31^{\circ}24'$, long. $94^{\circ}43'$. Drilled public-supply artesian well in Carrizo sand, diameter 16 to 8 inches, depth 1,170 feet, screen 1,058-1,170. Highest water level 81.0 below lsd, Feb. 5, 1939; lowest 330.1 below lsd, July 16, 1953. Records available: 1939-45, 1948-53. July 16, 330.1.

169. Gulf Pipe Line Co. Lat. $31^{\circ}26'$, long. $94^{\circ}45'$. Drilled industrial artesian well in Carrizo sand, diameter 6 to 4 inches, depth 959 feet, screen 820-848. Highest water level 37.0 above lsd, Oct. 23, 1939; lowest 152.50 below lsd, July 14, 1953. Records available: 1939-46, 1948-53. July 14, 152.50.

178. Southland Paper Mills, Inc. well CW16-0. Lat. $31^{\circ}27'$, long. $94^{\circ}48'$. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 1,077 feet, screen 850-860, 931-941. Land-surface datum is 255 feet above msl. Highest water level 65.42 below lsd, Dec. 26, 1947; lowest 136.86 below lsd, July 14, 1953. Records available: 1947-53. Apr. 23, 134.19; July 14, 136.86.

Aransas County

35. W. S. Kirby. Aransas Pass. Lat. $27^{\circ}54'$, long. $97^{\circ}08'$. Drilled domestic water-table well in sand, diameter 4 inches, depth 39 feet. Land-surface datum is 10.18 feet above msl. Highest water level 5.43 below lsd, May 16, 1941; lowest 15.60 below lsd, Apr. 19, 1939. Records available: 1939-42, 1945, 1947, 1949, 1950-51, 1953. Dec. 8, 6.81.

77. H. G. Smith. Rockport. Lat. $28^{\circ}01'$, long. $97^{\circ}03'$. Drilled unused water-table well in sand, diameter 4 inches, depth 58 feet. Land-surface datum is 10.36 feet above msl. Highest water level 2.60 below lsd, May 30, 1941; lowest 16.30 below lsd, June 19, 1939. Records available: 1939-42, 1945, 1947, 1949-51, 1953. Dec. 8, 3.0.

247. G. M. Broach. Lat. $28^{\circ}01'$, long. $97^{\circ}04'$. Drilled farm water-table well in sand, diameter 4 inches, depth 29 feet. Land-surface datum is 16.59 feet above msl. Highest water level 2.59 below lsd, Nov. 16, 1949; lowest 8.62 below lsd, Aug. 6, 1940. Records available: 1940-42, 1945, 1947, 1949-51, 1953. Dec. 8, 5.10.

Atascosa County

5. H. Koehler. Lat. $29^{\circ}05'$, long. $98^{\circ}36'$. Drilled irrigation well in Carrizo sand, diameter 10 inches, depth 450 feet, casing slotted 410-450. Highest water level 50.0 below lsd, 1931; lowest 65.82 below lsd, July 15, 1953. Records available: 1931, 1944-45, 1948-53. July 15, 65.82.

33. C. E. Simmons. Lat. $29^{\circ}02'$, long. $98^{\circ}39'$. Drilled irrigation well in Carrizo sand, diameter 8 inches, depth 800 feet. Highest water level 18.0 below lsd, July 19, 1940; lowest 38.65 below lsd, July 15, 1953. Records available: 1940, 1944, 1949-53. July 15, 38.65.

61. R. B. Fischer. Lat. $29^{\circ}00'$, long. $98^{\circ}32'$. Drilled domestic artesian well in Carrizo sand, diameter 6 inches, depth 1,010 feet, cased to 850. Highest water level 28 above lsd, Jan. 1, 1925; lowest 12.37 below lsd, July 16, 1953. Records available: 1925-26, 1944, 1948-53. July 16, 12.37.

62. R. B. Fischer. Lat. $29^{\circ}00'$, long. $98^{\circ}32'$. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 1,090 feet, casing slotted 1,050-1,090. Highest water level 8.0 above lsd, June 1, 1938; lowest 13.6 below lsd, July 16, 1953. Records available: 1937-41, 1944, 1948-53. July 16, 13.6.

94. E. H. Marek. Lat. $28^{\circ}58'$, long. $98^{\circ}24'$. Drilled irrigation artesian well in Mount Selman formation, diameter 6 inches, depth 1,200 feet. Highest water level 16.48 below lsd, July 10, 1950; lowest 19.20 below lsd, Sept. 29, 1948. Records available: 1944, 1948-51. Measurement discontinued.

100. Joe A. Coughran. Lat. $28^{\circ}57'$, long. $98^{\circ}22'$. Drilled farm artesian well in Mount Selman formation, diameter 4 inches, depth 600 feet. Highest water level 14.70 below lsd, July 19, 1949; lowest 19.43 below lsd, July 16, 1953. Records available: 1944, 1948-53. July 16, 19.43.

165. H. E. Whittet. Lat. $29^{\circ}03'$, long. $98^{\circ}42'$. Drilled farm artesian well in Carrizo sand, diameter 4 inches, depth 250 feet. Highest water level 25 below lsd, 1910; lowest 42.52 below lsd, July 21, 1952. Records available: 1910, 1928-30, 1941-46, 1948-52. No measurement made in 1953.

168. Guy A. Bryan. Lat. $29^{\circ}06'$, long. $98^{\circ}35'$. Drilled farm water-table well in Carrizo sand, diameter 4 inches, depth 120 feet. Highest water level 90 below lsd, 1930; lowest 103.89 below lsd, Sept. 25, 1952. Records available: 1929-30, 1944-46, 1948-52. No measurement made in 1953.

177. W. R. Woods. Lat. $29^{\circ}01'$, long. $98^{\circ}42'$. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 640 feet. Highest water level 5 above lsd, 1930; lowest 8.96 below lsd, July 16, 1953. Records available: 1929-30, 1944, 1946, 1948-53. July 16, 8.96.

187. Dan Reed. Lat. $29^{\circ}03'$, long. $98^{\circ}36'$. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 666 feet. Highest water level 32 below lsd, 1930; lowest 54.17 below lsd, July 15, 1953. Records available: 1929-30, 1944-46, 1948-53. July 15, 54.17.

196. F. Holberg. Lat. $29^{\circ}02'$, long. $98^{\circ}38'$. Drilled irrigation artesian well in Carrizo sand, diameter 6 inches, depth 600 feet. Highest water level 3 above lsd, 1930; lowest 27.54 below lsd, July 15, 1953. Records available: 1929-30, 1944-46, 1948-53. July 15, 27.54.

213a. E. T. Page. Lat. $29^{\circ}03'$, long. $98^{\circ}32'$. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 735 feet. Highest water level 74.56 below lsd, June 7, 1950; lowest 87.39 below lsd, June 23, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	78.82	May 24	80.94	Aug. 25	85.35	Nov. 23	82.73
Mar. 23	79.39	June 23	87.39	Sept. 24	82.72	Dec. 19	80.86
Apr. 21	82.14	July 22	86.49	Oct. 26	83.48		

246. A. E. Beckman. Lat. $28^{\circ}52'$, long. $98^{\circ}40'$. Drilled farm artesian well in Carrizo sand, diameter 7 inches, depth 1,692 feet. Highest water level 12 below lsd, 1930; lowest 47.59 below lsd, July 16, 1953. Records available: 1929-30, 1944-46, 1948-51, 1953. July 16, 47.59.

251. C. S. Young. Lat. $28^{\circ}56'$, long. $98^{\circ}31'$. Drilled stock artesian well in Mount Selman formation, diameter 6 inches, depth 1,428 feet. Highest water level 10 below lsd, 1930; lowest 49.60 below lsd, July 21, 1952. Records available: 1929-30, 1944-45, 1948-52. No measurement made in 1953.

253. W. A. Rickter. Lat. $28^{\circ}59'$, long. $98^{\circ}26'$. Drilled farm artesian well in Carrizo sand, diameter 10 inches, depth 1,429 feet. Highest water level 2.0 above lsd, 1930; lowest 9.81 below lsd, July 10, 1951. Records available: 1929-30, 1944, 1948-52. No measurement made in 1953.

299. H. C. McCaughn. Lat. $29^{\circ}03'$, long. $98^{\circ}36'$. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 1,000 feet. Highest water level 27.5 below lsd, 1930; lowest 59.15 below lsd, July 15, 1953. Records available: 1929-30, 1944, 1946, 1948-53. July 15, 59.15.

337. L. B. Wier. Lat. $28^{\circ}56'$, long. $98^{\circ}43'$. Drilled farm artesian well in Carrizo sand, diameter 5 inches, depth 1,207 feet. Highest water level 38 below lsd, 1908; lowest 85.8 below lsd, July 21, 1953. Records available: 1908, 1929-30, 1944-46, 1948-53. July 16, 85.8.

Bailey County

5a. E. W. Gray. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 3, blk. Z. Lat. $34^{\circ}17'$, long. $102^{\circ}52'$. Drilled stock water-table well in sand, diameter 6 inches, depth 74 feet. Highest water level 39.22 below lsd, Nov. 10, 1941; lowest 74.55 below lsd, Jan. 10, 1953. Records available: 1937-42, 1944-53. Jan. 10, 74.55.

9. Fred McKillip. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 21, blk. Z. Lat. $34^{\circ}16'$, long. $102^{\circ}54'$. Drilled irrigation water-table well in sand, diameter 12 inches, depth 79 feet. Highest water level 36.84 below lsd, Feb. 12, 1943; lowest 54.93 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 54.93.

25. C. A. Wagner. $NW\frac{1}{4}SE\frac{1}{4}$ sec. 6, blk. Z. Lat. $34^{\circ}15'$, long. $102^{\circ}52'$. Drilled irrigation water-table well in sand, depth 100 feet. Highest water level 14.92 below lsd, Mar. 17, 1942; lowest 37.05 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 37.05.

31. J. H. Farley. NW cor. sec. 10, blk. X. Lat. $34^{\circ}14'$, long. $102^{\circ}50'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 95 feet. Highest water level 8.50 below lsd, Mar. 17, 1942; lowest 29.52 below lsd, Jan. 10, 1953. Records available: 1936-40, 1942-43, 1946, 1948-53. Jan. 10, 29.52. Measurement discontinued.

33. Mrs. J. W. Gregory. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 12, blk. X. Lat. $34^{\circ}15'$, long. $102^{\circ}50'$. Drilled irrigation water-table well in sand, diameter 16 to 10 inches, depth 96 feet, cased to 96. Highest water level 25.95 below lsd, Mar. 17, 1942; lowest 47.95 below lsd, Jan. 10, 1953. Records available: 1936-42, 1945-53. Jan. 10, 47.95.

36. C. J. Darby. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, blk. X. Lat. 34°15', long. 102°48'. Drilled irrigation water-table well in sand, diameter 10 inches, depth 100 feet, cased to 90. Highest water level 12.50 below lsd, Mar. 17, 1942; lowest 32.54 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 32.54.

45. H. M. Schofner. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, blk. Y. Lat. 34°15', long. 102°45'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 51 feet. Highest water level 11.34 below lsd, Nov. 12, 1941; lowest 32.62 below lsd, Jan. 10, 1953. Records available: 1937-53. Jan. 10, 32.62.

49. W. F. Harrison. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, blk. X. Lat. 34°15', long. 102°46'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 72 feet. Highest water level 17.74 below lsd, Feb. 12, 1943; lowest 35.03 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 35.03.

53. W. B. Gwyn, Sr. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, blk. Y. Lat. 34°15', long. 102°45'. Drilled unused water-table well in sand, diameter 16 inches, depth 78 feet, cased to 52. Highest water level 16.58 below lsd, July 30, 1941; lowest 38.37 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 38.37.

62. Briscoe. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 42, blk. Y. Lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 15 to 12 inches, depth 140 feet, cased to 140. Highest water level 15.42 below lsd, Feb. 11, 1943; lowest 50.32 below lsd, Jan. 8, 1953. Records available: 1936-53. Jan. 8, 50.32.

63. Sam Gorrell. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 42, blk. Y. Lat. 34°15', long. 102°44'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 174 feet, cased to 100. Highest water level 17.08 below lsd, Feb. 11, 1943; lowest 45.25 below lsd, Jan. 8, 1953. Records available: 1934, 1936-45, 1947-53. Jan. 8, 45.25.

67. I. W. Hardin. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 41, blk. Y. Lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 30 inches, depth 49 feet. Highest water level 11.98 below lsd, Nov. 30, 1942; lowest 49.74 below lsd, Jan. 8, 1953. Records available: 1936-53. Jan. 8, 49.74.

69. E. R. Hart. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 52, blk. Y. Lat. 34°15', long. 102°43'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 68 feet. Highest water level 8.35 below lsd, Nov. 30, 1942; lowest 34.78 below lsd, Jan. 8, 1953. Records available: 1936-45, 1947-53. Jan. 8, 34.78.

92. L. H. McConnell. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 51, blk. Y. Lat. 34°16', long. 102°42'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 64 feet. Highest water level 15.27 below lsd, Mar. 17, 1942; lowest 38.02 below lsd, Jan. 8, 1953. Records available: 1936-44, 1947-48, 1950-53. Jan. 8, 38.02.

95a. E. R. Hart. NW. cor. sec. 71, blk. Y. Lat. 34°16', long. 102°41'. Drilled irrigation water-table well in sand. Highest water level 25.54 below lsd, Mar. 12, 1948; lowest 37.30 below lsd, Jan. 8, 1953. Records available: 1948-53. Jan. 8, 37.30.

108a. T. L. Mounts. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, blk. W. Lat. 34°16', long. 102°37'. Drilled irrigation water-table well in sand. Highest water level 35.50 below lsd, Mar. 18, 1946; lowest 48.55 below lsd, Jan. 7, 1953. Records available: 1946-53. Jan. 7, 48.55.

116. Henry Nieman & Sons. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, blk. W. Lat. 34°16', long. 102°38'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 45 feet. Highest water level 18.24 below lsd, Feb. 11, 1943; lowest 37.80 below lsd, Feb. 14, 1950. Records available: 1934, 1936-37, 1939-45, 1947-52. Measurement discontinued.

117. Allison Cassady. NW. cor. sec. 32, blk. W. Lat. 34°17', long. 102°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 53 feet. Highest water level 29.00 below lsd, Feb. 11, 1943; lowest 47.85 below lsd, Jan. 8, 1953. Records available: 1934, 1936-44, 1946-53. Jan. 8, 47.85.

130a. Carpenter. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, blk. W. Lat. 34°15', long. 102°38'. Drilled irrigation water-table well in sand. Highest water level 22.80 below lsd, Feb. 12, 1948; lowest 28.53 below lsd, Jan. 20, 1951. Records available: 1948-52. No measurement made in 1953.

131. R. D. Precure. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, blk. W. Lat. 34°15', long. 102°37'. Drilled irrigation water-table well in sand, depth 59 feet. Highest water level 12.14 below lsd, Nov. 30, 1942; lowest 32.60 below lsd, Jan. 8, 1953. Records available: 1914, 1936-53. Jan. 8, 32.60.

132. J. A. Ryan. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, blk. W. Lat. 34°15', long. 102°37'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 77 feet, cased to 18. Highest water level 12.54 below lsd, Nov. 30, 1942; lowest 33.64 below lsd, Jan. 8, 1953. Records available: 1913, 1936-45, 1947-53. Jan. 8, 33.64.

135. B. H. Porter. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 47, blk. W. Lat. 34°14', long. 102°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 7.09 below lsd, Nov. 1, 1941; lowest 22.74 below lsd, Jan. 8, 1953. Records available: 1914, 1937-39, 1941-43, 1949-53. Jan. 8, 22.74.

136. C. A. Barnett. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 48, blk. W. Lat. 34°14', long. 102°38'. Drilled irrigation water-table well in sand, diameter 13 inches, depth 86 feet. Highest water level 5.44 below lsd, Nov. 1, 1941; lowest 24.06 below lsd, Jan. 8, 1953. Records available: 1914, 1934, 1936-53. Jan. 8, 24.06.

137. J. C. Hunt. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 48, blk. W. Lat. 34°14', long. 102°38'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 130 feet. Highest water level 6.37 below lsd, Nov. 1, 1941; lowest 23.74 below lsd, Jan. 20, 1951. Records available: 1914, 1936-53. Jan. 8, 22.67.

207. Whittington. SE $\frac{1}{4}$ lab. 22, lge. 188. Lat. 34°06', long. 102°44'. Drilled stock water-table well in sand, diameter 6 inches, depth 142 feet. Highest water level 81.24 below lsd, Jan. 10, 1953; lowest 100.88 below lsd, June 16, 1938. Records available: 1936-44, 1946-47, 1949-53. Jan. 10, 81.24.

324a. Foard County Public School Land. NW $\frac{1}{4}$ lab. 15, lge. 192. Lat. 34°05', long. 102°43'. Drilled domestic water-table well in sand, diameter 4 inches, depth 114 feet. Highest water level 90.07 below lsd, Jan. 20, 1951; lowest 99.23 below lsd, June 22, 1937. Records available: 1937-44, 1946-51. Measurement discontinued.

435. I. C. Enochs. SE $\frac{1}{4}$ lab. 69, lge. 182. Lat. 33°54', long. 102°45'. Drilled unused water-table well in sand, diameter 10 inches, depth 117 feet. Highest water level 12.58 below lsd, Jan. 20, 1951; lowest 29.85 below lsd, June 22, 1937. Records available: 1936-45, 1947, 1949-51. Measurement discontinued.

Bexar County

15. Robert Mechler. Lat. 29°22', long. 98°46'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 918 feet. Land-surface datum is 809.14 feet above msl. Highest water level 102.95 below lsd, Jan. 4, 1937; lowest 168.38 below lsd, Aug. 7, 1953. Records available: 1933-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	147.36	Apr. 7	153.39	July 15	165.00	Oct. 16	155.42
Feb. 9	150.70	May 5	155.84	Aug. 7	168.38	Nov. 2	153.17
Mar. 5	152.5	June 3	160.65	Sept. 17	152.23	Dec. 7	152.73

26. Fuller's Earth Plant. Lat. 29°22', long. 98°42'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 778 feet. Land-surface datum is 788.15 feet above msl. Highest water level 89.68 below lsd, June 28, 1935; lowest 152.91 below lsd, Aug. 7, 1953. Records available: 1933-53.

Jan. 5	132.08	Apr. 7	138.41	Aug. 7	152.91	Nov. 2	138.20
Feb. 9	135.66	May 5	141.68	Sept. 17	137.41	Dec. 7	137.62
Mar. 5	137.44	June 3	146.03	Oct. 16	140.46		

28. A. J. McCulley. Lat. 29°24', long. 98°37'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 888 feet. Land-surface datum is 744.45 feet above msl. Highest water level 48.13 below lsd, June 28, 1935; lowest 109.30 below lsd, Aug. 7, 1953. Records available: 1933-53.

Jan. 5	88.12	Apr. 7	94.64	July 15	106.35	Oct. 16	96.74
Feb. 9	91.95	May 5	97.92	Aug. 7	109.30	Nov. 2	94.21
Mar. 5	93.65	June 3	102.28	Sept. 17	93.91	Dec. 7	93.60

224. City of San Antonio. Acme road well at city limits. Lat. 29°25', long. 98°32'. Drilled observation artesian well in Edwards limestone, diameter 24 to 12 inches, depth 965 feet. Land-surface datum is 723.75 feet above msl. Highest water level 48.21 below lsd, May 2, 1949; lowest 91.69 below lsd, Aug. 15, 1953. Records available: 1944, 1948-53.

224--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.82	73.16	74.42	78.34	79.15	83.23	85.52	89.47	82.07	79.68	76.80	76.68
2	70.54	72.87	74.43	78.07	79.78	83.68	85.05	89.20	80.63	79.73	76.57	76.23
3	70.68	73.35	74.55	77.39	80.15	84.22	84.98	89.11	.....	79.01	76.53	76.02
4	70.50	73.67	75.39	77.16	79.65	84.65	84.92	89.74	77.45	78.34	76.32	76.14
5	70.37	73.75	75.38	77.84	79.32	84.97	84.65	90.10	76.37	77.81	76.38	75.90
6	70.54	73.93	75.63	76.32	79.60	85.12	84.79	90.38	75.48	77.60	76.27	76.12
7	70.64	74.02	75.84	76.87	80.08	84.83	85.26	90.68	74.86	77.60	76.17	75.88
8	70.81	74.08	75.74	77.13	80.66	84.62	85.89	90.92	74.56	77.56	76.01	75.82
9	71.12	73.87	75.36	77.76	81.04	85.39	87.12	90.53	74.53	77.66	76.08	76.14
10	71.19	74.13	75.42	78.09	80.73	85.95	86.85	90.54	.....	77.86	76.14	76.25
11	71.37	74.24	75.23	78.12	80.41	86.26	87.72	91.06	74.52	77.84	76.11	76.02
12	71.29	74.09	75.40	78.29	80.74	86.40	86.59	91.32	74.58	77.81	76.18	76.05
13	71.38	74.27	75.31	77.50	80.32	85.92	86.62	91.40	74.50	78.39	76.36	75.69
14	71.47	74.14	75.25	77.44	79.86	85.67	86.58	91.50	74.49	78.76	76.42	75.72
15	71.55	74.00	75.35	.....	79.07	85.99	87.07	91.69	75.02	78.94	76.26	75.82
16	71.90	73.75	75.30	.....	78.79	86.39	87.16	90.85	75.63	79.07	76.06	75.77
17	72.04	74.35	75.21	.....	78.70	86.83	87.51	90.70	75.86	79.17	76.18	75.85
18	71.70	74.30	75.63	.....	78.48	86.93	87.90	91.13	76.15	79.07	76.22	75.88
19	71.49	74.04	76.06	.....	78.93	87.58	88.50	91.10	76.07	78.77	76.13	75.66
20	71.72	74.16	76.37	77.93	79.25	87.60	87.55	90.65	76.28	79.12	76.34	75.34
21	72.03	74.62	76.64	78.37	79.96	87.42	88.12	89.44	76.46	79.12	76.41	75.11
22	71.97	74.68	76.66	78.92	80.51	87.31	88.47	88.83	77.16	79.25	76.37	75.49
23	72.26	74.31	76.59	79.00	80.86	87.82	88.84	88.47	77.44	79.14	76.18	76.15
24	72.47	74.18	77.15	78.76	81.30	88.33	88.73	88.34	77.65	78.70	76.42	76.34
25	72.58	74.14	77.67	78.20	81.28	88.68	88.75	87.60	77.96	78.10	76.77	76.01
26	.....	74.25	77.90	78.24	82.02	88.86	87.98	87.07	78.07	77.70	77.10	75.71
27	.....	74.42	78.55	78.16	82.55	88.65	88.30	86.40	78.13	77.76	76.79	75.40
28	72.98	74.60	78.30	78.37	82.89	88.53	88.64	85.65	78.34	77.63	77.18	75.39
29	73.05		78.23	77.74	.....	87.30	89.03	84.85	78.92	77.50	76.92	75.54
30	73.11		78.46	78.02	83.37	86.12	89.32	84.05	79.43	77.32	76.64	75.81
31	73.29		78.05		83.35		89.44	83.15		77.16		76.10

436. Ed. Steves & Sons. Beverly Lodges Tourist Court. Lat. 29°28', long. 98°26'.

Drilled unused artesian well in Edwards limestone, diameter 12 inches, depth 756 feet. Land-surface datum is 722.56 feet above msl. Highest water level 37.20 below lsd, Oct. 25, 1942; lowest 92.03 below lsd, Aug. 15, 1953. Records available: 1932-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.54	73.67	74.85	78.93	79.57	83.63	85.65	89.84	82.82	80.05	76.97	76.81
2	71.22	73.54	74.87	78.38	80.19	84.07	85.26	89.45	81.15	80.21	76.67	76.36
3	71.32	73.92	75.00	77.76	80.57	84.68	85.24	89.27	80.35	79.36	76.73	76.15
4	71.16	74.29	75.76	77.51	80.02	85.02	85.18	90.08	78.40	78.60	76.51	76.24
5	71.04	74.35	75.86	77.27	79.66	85.28	84.87	90.51	77.15	78.03	76.58	76.00
6	71.27	74.54	76.06	76.64	79.59	85.44	84.99	90.73	76.15	77.84	76.44	76.17
7	71.41	74.57	76.32	77.35	80.59	85.03	85.63	91.05	75.58	77.86	76.25	75.95
8	71.55	74.62	76.13	77.58	81.09	85.03	86.31	91.21	75.33	77.84	76.28	75.93
9	71.81	74.44	76.67	77.28	81.41	85.86	86.96	90.85	75.32	78.01	76.15	76.24
10	71.87	74.68	75.73	78.64	81.02	86.43	87.28	90.95	75.26	78.20	76.33	76.43
11	72.00	74.78	75.65	78.63	80.68	86.73	87.41	91.43	75.35	78.19	76.35	76.13
12	71.87	74.58	75.70	78.27	81.11	86.91	86.50	91.75	75.38	78.08	76.42	76.08
13	72.05	74.81	75.72	77.78	80.75	86.12	86.96	91.82	75.24	78.76	76.58	75.75
14	72.14	74.63	75.63	77.87	79.87	86.06	87.90	91.88	75.18	79.02	76.63	75.75
15	72.23	74.48	75.65	77.73	79.33	86.28	87.48	92.03	75.77	79.06	76.46	75.89
16	72.61	74.22	75.52	78.13	79.02	86.88	87.51	91.03	76.38	79.49	76.24	75.85
17	72.72	74.85	75.57	78.21	78.92	87.43	87.90	90.89	76.62	79.40	76.38	75.92
18	72.35	74.80	75.93	78.38	78.71	87.49	88.22	91.47	76.84	79.35	76.44	75.93
19	72.12	74.55	76.37	78.48	79.15	87.99	87.81	91.45	76.69	78.96	76.38	75.71
20	72.38	74.68	76.72	78.28	79.60	88.06	87.90	90.92	76.87	79.40	76.55	75.37
21	72.68	75.08	76.89	78.48	80.26	87.90	88.50	89.56	77.03	79.39	76.60	75.16
22	72.65	75.00	76.94	79.37	80.77	87.72	88.99	88.97	77.84	79.54	76.50	75.64
23	72.90	74.72	76.90	79.49	81.18	88.28	89.23	88.55	78.13	79.45	76.33	76.45
24	73.08	74.63	77.58	79.23	81.59	88.64	89.14	88.48	78.31	78.90	76.60	.....
25	73.21	74.56	78.12	78.50	81.61	89.12	89.21	87.72	78.63	78.20	76.99	.....
26	73.01	74.70	78.37	78.90	82.37	89.24	88.17	87.30	78.66	77.84	77.32	.....
27	73.38	74.85	77.83	78.50	82.98	89.06	88.44	86.54	78.62	77.95	76.95	.....
28	73.56	75.04	78.07	78.81	83.20	88.77	89.06	85.92	78.77	77.78	77.36	.....
29	73.67		78.21	78.14	83.50	86.66	86.39	85.07	79.44	77.67	77.04	.....
30	73.76		77.87	78.46	83.63	86.43	89.60	84.25	79.86	77.54	76.72	.....
31	73.92		78.42		83.63		89.91	83.50		77.40		.....

XB-1. Robert Boenig. Lat. 29°23', long. 98°39'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 916 feet. Highest water level 106.91 below lsd, Nov. 30, 1942; lowest 161.19 below lsd, Aug. 7, 1953. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	140.38	Apr. 7	153.39	July 15	157.90	Oct. 16	148.52
Feb. 9	144.00	May 5	150.14	Aug. 7	161.19	Nov. 2	145.84
Mar. 5	145.92	June 3	154.62	Sept. 17	145.31	Dec. 7	145.19

XB-2. Oscar Bippert. Lat. 29°30', long. 98°24'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 830 feet. Land-surface datum is 760.33 feet above msl. Highest water level 58.60 below lsd, May 28, 1941; lowest 119.21 below lsd, Aug. 7, 1953. Records available: 1934, 1937-45, 1947-53.

Jan. 5	98.97	Apr. 7	105.12	July 15	115.77	Oct. 16	107.02
Feb. 9	102.35	May 5	108.09	Aug. 7	119.21	Nov. 2	104.89
Mar. 5	103.99	June 3	112.44	Sept. 17	103.94	Dec. 7	104.33

XB-3. Beitel Church. Lat. 29°30', long. 98°24'. Drilled domestic artesian well in Edwards limestone, diameter 6 inches, depth 434 feet. Land-surface datum is 721.63 feet above msl. Highest water level 44.23 below lsd, May 29, 1941; lowest 93.50 below lsd, Aug. 7, 1953. Records available: 1933-35, 1938-53.

Jan. 6	73.34	Apr. 7	79.37	Aug. 7	93.50	Nov. 2	79.10
Feb. 9	76.96	May 5	82.50	Sept. 18	78.81	Dec. 7	77.92
Mar. 6	78.80	June 3	86.95	Oct. 16	82.10		

Brazoria County

18. Humble Oil & Refining Co. Lat. 29°12', long. 95°49'. Drilled unused artesian well in sand, diameter 4 inches, depth 473 feet, screen 438-473. Highest water level 8.61 below lsd, Nov. 7, 1946; lowest 20.40 below lsd, July 24, 1953. Records available: 1946, 1949-53. July 24, 20.40.

19. Humble Oil & Refining Co. Lat. 29°11', long. 95°48'. Drilled unused artesian well in sand, diameter 4 inches, depth 399 feet, screen 379-399. Highest water level 8.38 below lsd, Nov. 7, 1946; lowest 19.05 below lsd, July 24, 1953. Records available: 1946, 1949-53. July 24, 19.05.

28. Humble Oil & Refining Co. Lat. 49°10', long. 95°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 594 feet, screen 582-594. Highest water level 5.08 below lsd, Nov. 7, 1946; lowest 18.89 below lsd, July 24, 1953. Records available: 1946, 1949-53. July 24, 18.89.

30. Humble Oil & Refining Co. Lat. 29°10', long. 95°47'. Drilled unused artesian well in sand, diameter 7 inches, depth 500 feet. Highest water level 9.82 below lsd, Nov. 7, 1946; lowest 19.85 below lsd, July 24, 1953. Records available: 1946, 1949-53. Jan. 14, 18.58; July 24, 19.85.

31. Humble Oil & Refining Co. Lat. 29°09', long. 95°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 618 feet, screen 583-618. Highest water level 4.16 below lsd, Nov. 7, 1946; lowest 17.84 below lsd, July 24, 1953. Records available: 1946, 1949-53. Jan. 14, 16.46; July 24, 17.84.

37. R. R. Farmer. Lat. 29°08', long. 95°42'. Drilled unused artesian well in sand, diameter 2 inches, depth 613 feet. Highest water level 8.0 above lsd, Oct. 21, 1936; lowest 21.26 below lsd, Aug. 13, 1952. Records available: 1936, 1946, 1949-53. Jan. 14, 21.01; July 24, 18.06.

100. Phillips Petroleum Co. Lat. 29°04', long. 95°44'. Drilled observation artesian well in sand, diameter 4 inches, depth 150 feet, screen 132-142. Highest water level 9.64 below lsd, Nov. 5, 1946; lowest 50.43 below lsd, Aug. 22, 1951. Records available: 1942, 1944, 1946-53. Jan. 13, 20.46.

101. Phillips Petroleum Co. Lat. 29°04', long. 95°44'. Drilled observation artesian well in sand, diameter 3½ inches, depth 161 feet. Highest water level 10.16 below lsd, Nov. 5, 1946; lowest 55.74 below lsd, Aug. 12, 1952. Records available: 1943-44, 1946-53. Jan. 13, 25.90.

125. The Texas Co. Lat. 29°03', long. 95°41'. Drilled unused artesian well in sand, diameter 4 inches, depth 475 feet, screen 449-470. Highest water level flowing, Nov. 4, 1946; lowest 10.32 below lsd, July 28, 1953. Records available: 1946, 1949-53. Jan. 13, 8.35; July 28, 10.32.

126. Peerless Carbon Co. Lat. 29°02', long. 95°39'. Drilled industrial artesian well in sand, diameter 6 inches, depth 185 feet, screen 145-185. Highest water level 10.4 below lsd, Nov. 5, 1946; lowest 16.15 below lsd, July 28, 1953. Records available: 1946, 1949-53. Jan. 13, 16.10; July 28, 16.15.

308. Freeport City well 6. 1231 West 8th St., Freeport. Lat. 28°51', long. 95°21'. Drilled public-supply artesian well in sand, diameter 14 to 8 inches, depth 249 feet, screen 206-247. Highest water level 58.5 below lsd, June 27, 1941; lowest 146.0 below lsd, Aug. 21, 1951. Records available: 1941, 1946, 1949-53. Jan. 12, 129.95; July 27, 140.14.

327. Velasco City well 2. 517 Ave. D., Velasco. Lat. 28°52', long. 95°21'. Drilled public-supply artesian well in sand, diameter 10 to 5 inches, depth 255 feet, screen 218-245. Highest water level 93.5 below lsd, Feb. 19, 1946; lowest 129.50 below lsd, Aug. 21, 1951. Records available: 1946, 1949-53. Jan. 12, 124.36.

328. Velasco City well 1. Velasco. Lat. 28°52', long. 95°21'. Drilled public-supply artesian well in sand; diameter 10 to 5 inches, depth 266 feet, screen 216-263. Highest water level 84.0 below lsd, Aug. 30, 1941; lowest 135.60 below lsd, Aug. 21, 1951. Records available: 1941, 1946, 1949-52. No measurement made in 1953.

415. Humble Oil & Refining Co. Lat. 29°16', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 1.06 below lsd, July 29, 1946; lowest 9.98 below lsd, Jan. 4, 1949. Records available: 1946, 1948-53. Jan. 15, 6.46; July 23, 5.79.

417. Humble Oil & Refining Co. Lat. 29°15', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 315 feet, screen 289-310. Highest water level 0.95 above lsd, July 29, 1946; lowest 9.62 below lsd, Jan. 4, 1949. Records available: 1946, 1948-53. Jan. 15, 4.57.

418. Humble Oil & Refining Co. Lat. 29°15', long. 95°20'. Drilled unused artesian well in sand, diameter 4 inches, depth 514 feet, screen 491-514. Highest water level 19.51 below lsd, Mar. 3, 1948; lowest 28.79 below lsd, Jan. 11, 1952. Records available: 1946, 1948-53. Jan. 15, 28.24; July 23, 28.50.

421. Humble Oil & Refining Co. Lat. 29°15', long. 95°19'. Drilled unused artesian well in sand, diameter 4 inches, depth 309 feet, screen 285-309. Highest water level 2.48 below lsd, July 29, 1946; lowest 12.13 below lsd, Jan. 4, 1949. Records available: 1946, 1949-53. Jan. 15, 11.78.

425. J. M. Skrabanek. Lat. 29°11', long. 95°19'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 960 feet, screens opposite sands between 499 and 870. Highest water level 31.25 below lsd, Aug. 28, 1946; lowest 41.70 below lsd, Jan. 15, 1953. Records available: 1946, 1948-53. Jan. 15, 41.70.

429. Ed. Berry. Lat. 29°11', long. 95°22'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 324 feet, casing slotted opposite sands below 60. Highest water level 5.41 below lsd, Mar. 3, 1948; lowest 11.23 below lsd, Aug. 30, 1950. Records available: 1946, 1948-53. Jan. 15, 8.20.

432. Humble Oil & Refining Co. Lat. 29°13', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 618 feet, screen 594-617. Highest water level 8.84 below lsd, Oct. 7, 1946; lowest 25.10 below lsd, Jan. 14, 1953. Records available: 1946, 1948-53. Jan. 14, 25.10; July 23, 20.60.

438. Humble Oil & Refining Co. Lat. 29°11', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 807 feet, screen 785-807. Highest water level 13.19 below lsd, Oct. 7, 1946; lowest 27.18 below lsd, July 23, 1953. Records available: 1946, 1948-53. Jan. 14, 25.45; July 23, 27.18.

515. Otto Sens Club. Lat. 29°22', long. 95°28'. Drilled unused artesian well in sand, diameter 2 inches, depth 900 feet. Highest water level 9.87 below lsd, May 22, 1939; lowest 40.04 below lsd, July 22, 1953. Records available: 1939, 1946, 1948-53. Jan. 16, 38.20; July 22, 40.04.

522. C. Martin. Lat. 29°25', long. 95°26'. Drilled unused artesian well in sand, diameter 26 to 10 inches, depth 906 feet, screens opposite sands below 361. Highest water level 7.92 below lsd, Apr. 10, 1931; lowest 32.38 below lsd, Jan. 14, 1952. Records available: 1931, 1939, 1946, 1948-53. Jan. 16, 29.42.

526. Humble Oil & Refining Co. Lat. 29°24', long. 94°17'. Drilled unused artesian well in sand, diameter 4 inches, depth 666 feet, screen 631-663. Highest water level 28.87 below lsd, Aug. 27, 1946; lowest 51.11 below lsd, July 22, 1953. Records available: 1946, 1949-53. Jan. 15, 50.03; July 22, 51.11.

544. W. G. Simpson. Lat. 29°18', long. 95°17'. Drilled unused artesian well in sand, diameter 26 inches, depth 700 feet. Highest water level 13.78 below lsd, Aug. 29, 1946; lowest 28.33 below lsd, Aug. 23, 1951. Records available: 1946, 1949-52. Measurement discontinued.

552. Stanolind Oil & Gas Co. Lat. 29°18', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 226 feet. Highest water level 6.55 below lsd, Jan. 16, 1950; lowest 8.41 below lsd, July 23, 1953. Records available: 1946, 1949-53. Jan. 15, 7.89; July 23, 8.41.

554. Phillips Petroleum Co. Lat. 29°19', long. 95°13'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 24.80 below lsd, July 25, 1946; lowest 61.39 below lsd, Jan. 15, 1953. Records available: 1946, 1949-53. Jan. 15, 61.39.

559. Dr. E. W. Andrau. Lat. 29°20', long. 95°12'. Drilled unused artesian well in sand, diameter 16 to 10 inches, depth 1,185 feet, screens opposite sands between 344 and 906. Highest water level 46.27 below lsd, Aug. 28, 1946; lowest 64.46 below lsd, July 23, 1953. Records available: 1946, 1948-53. Jan. 15, 62.44; July 23, 64.46.

612. C. H. Alexander. Lat. 29°34', long. 95°17'. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 1,773 feet, casing slotted opposite sands between 350 and 1,300. Highest water level 83.62 below lsd, Mar. 11, 1947; lowest 128.99 below lsd, Sept. 28, 1953. Records available: 1947-53. Feb. 5, 121.07; Sept. 28, 128.99; Dec. 21, 118.44.

622. Humble Oil & Refining Co. Lat. 29°30', long. 95°13'. Drilled unused artesian well in sand, diameter 4 inches, depth 495 feet, screen 452-482. Highest water level 89.85 below lsd, July 1, 1946; lowest 123.16 below lsd, July 22, 1953. Records available: 1946, 1949-53. Jan. 15, 117.87; July 22, 123.16.

623. Stanolind Oil & Gas Co. Lat. 29°30', long. 95°15'. Drilled unused artesian well in sand, diameter 8 inches, depth 591 feet. Highest water level 94.01 below lsd, June 21, 1946; lowest 125.91 below lsd, July 22, 1953. Records available: 1946, 1948-53. Jan. 15, 120.86; July 22, 125.91.

625. Stanolind Oil & Gas Co. Lat. 29°30', long. 95°14'. Drilled unused artesian well in sand, diameter 8 inches, depth 417 feet. Highest water level 52.40 below lsd, July 22, 1953; lowest 79.76 below lsd, Jan. 14, 1952. Records available: 1946, 1949-53. Jan. 15, 61.48; July 22, 52.40.

630. Humble Oil & Refining Co. Lat. 29°29', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 410 feet, screen 341-371. Highest water level 20.0 below lsd, Aug. 27, 1935; lowest 86.64 below lsd, July 22, 1953. Records available: 1935, 1946, 1949-53. Jan. 15, 85.58; July 22, 86.64.

639. Gulf Oil Corp. Lat. 29°29', long. 95°20'. Drilled farm artesian well in sand, diameter 6 inches, depth 480 feet, screen 440-480. Highest water level 58.48 below lsd, July 19, 1946; lowest 75.83 below lsd, July 22, 1953. Records available: 1946, 1949-50, 1952-53. July 22, 75.83.

643. The Texas Co. Lat. 29°30', long. 95°20'. Drilled unused artesian well in sand, diameter 6 inches, depth 300 feet. Highest water level 0.19 above lsd, Jan. 17, 1950; lowest 8.60 below lsd, Aug. 23, 1951. Records available: 1946, 1949-53. July 22, 6.48.

Briscoe County

107. M. A. Graham. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 205, blk. G & M. Lat. 34°27', long. 101°25'. Drilled unused water-table well in sand, diameter 21 inches, depth 200 feet. Highest water level 85.90 below lsd, Mar. 14, 1946; lowest 87.91 below lsd, Aug. 31, 1946. Records available: 1946, 1948-53. Jan. 6, 87.76.

119. Tom Whiteley. NW. cor. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 53, blk. A. Lat. 34°25', long. 101°26'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet. Highest water level 73.80 below lsd, Apr. 9, 1947; lowest 101.3 below lsd, Oct. 30, 1953. Records available: 1946-53. Jan. 6, 93.81; Aug. 3, 97.3; Oct. 30, 101.3; Dec. 23, 96.6.

122. Datis Martin. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 49, blk. A. Lat. 34°26', long. 101°26'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 190 feet. Highest water level 75.50 below lsd, Aug. 30, 1946; lowest 83.10 below lsd, Jan. 6, 1953. Records available: 1946, 1948-53. Jan. 6, 83.10.

148. Carl Wimberly. SW. cor. SE $\frac{1}{4}$ sec. 46, blk. B2. Lat. 34°23', long. 101°28'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 218 feet. Highest water level 72.20 below lsd, Mar. 11, 1948; lowest 80.05 below lsd, Jan. 6, 1953. Records available: 1946, 1948-53. Jan. 6, 80.05.

168. Charles E. Wallace. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, blk. 2. Lat. 34°21', long. 101°23'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 200 feet, cased to 150. Highest water level 87.20 below lsd, June 18, 1946; lowest 100.10 below lsd, Jan. 6, 1953. Records available: 1946, 1948-53. Jan. 6, 100.10.

170. Lowell Jarrett. SW. cor. NW $\frac{1}{4}$ sec. 18, blk. B4. Lat. 34°20', long. 101°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 220 feet, cased to 155, slotted 40-155. Highest water level 91.30 below lsd, Mar. 18, 1946; lowest 106.6 below lsd, Oct. 30, 1953. Records available: 1946-53. Jan. 6, 101.52; Oct. 30, 106.6; Dec. 1, 106.0; Dec. 23, 105.9.

225. W. A. Stephens. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, blk. B2. Lat. 34°22', long. 101°19'. Drilled unused water-table well in sand, diameter 15 inches, depth 202 feet, cased to 190, slotted 90-190. Highest water level 76.28 below lsd, Mar. 12, 1948; lowest 77.15 below lsd, Aug. 29, 1946. Records available: 1946, 1948-53. Jan. 7, 76.61.

227. Watson Douglas. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, blk. B2. Lat. 34°21', long. 101°20'. Drilled unused water-table well in sand, diameter 16 inches, depth 219 feet, cased to 140. Highest water level 77.00 below lsd, Jan. 7, 1953; lowest 78.84 below lsd, Aug. 28, 1946. Records available: 1946-53. Jan. 7, 77.00.

234. Joe Mercer. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 66, blk. B1. Lat. 34°25', long. 101°15'. Drilled irrigation water-table well in sand, diameter 21 inches, depth 210 feet. Highest water level 102.14 below lsd, Mar. 21, 1947; lowest 116.6 below lsd, Aug. 3, 1953. Records available: 1946-53. Jan. 7, 108.92; Aug. 3, 116.6; Oct. 30, 115.0; Dec. 1, 114.3; Dec. 23, 114.0.

Brooks County

202. E. C. Lasater Estate. Lat. 27°14', long. 98°12'. Drilled unused artesian well in Lissie formation or Goliad sand, diameter 8 to 5 inches, depth 112 feet. Highest water level 29.20 below lsd, Feb. 7, 1935; lowest 47.14 below lsd, Feb. 4, 1952. Records available: 1932-33, 1935-38, 1941, 1943, 1945, 1947-49, 1951-53. Feb. 2, 47.01.

266a. Col. J. E. McDonald. Lat. 27°14', long. 98°10'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 601 feet. Highest water level 42.30 below lsd, Mar. 13, 1946; lowest 67.38 below lsd, Feb. 4, 1952. Records available: 1946-53. Feb. 2, 64.67.

273. George Franks. Lat. 27°13', long. 98°10'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 710 feet. Land-surface datum is 127.45 feet above msl. Highest water level 8.58 below lsd, Feb. 3, 1936; lowest 79.75 below lsd, Feb. 4, 1952. Records available: 1932-33, 1935-41, 1943-47, 1949-53. Feb. 2, 75.69.

340. Dr. H. M. Bennett. Lat. 27°11', long. 98°08'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 742 feet. Land-surface datum is 109.75 feet above msl. Highest water level 0.42 above lsd, Feb. 2, 1953. Records available: 1932-33, 1935, 1937-41, 1943-50, 1953. Feb. 2, 44.52.

405. A. Rupp. Lat. 27°13', long. 98°03'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 612 feet. Land-surface datum is 98 feet above msl. Highest water level 15.30 below lsd, Oct. 4, 1933; lowest 66.26 below lsd, Feb. 16, 1951. Records available: 1932-33, 1935-41, 1943-53. Feb. 2, 64.97.

474. A. Rupp. Lat. 27°12', long. 98°03'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 472 feet. Land-surface datum is 93.07 feet above msl. Highest water level 16.01 below lsd, Jan. 5, 1933; lowest 64.80 below lsd, Feb. 2, 1953. Records available: 1932-33, 1935-41, 1943-50, 1952-53. Feb. 2, 64.80.

865. Florencio Rodriguez. Lat. 26°53', long. 98°13'. Drilled unused artesian well in sand, diameter 5 inches, depth 130 feet. Highest water level 75.03 below lsd, May 7, 1938; lowest 84.20 below lsd, Feb. 4, 1952. Records available: 1933, 1935-41, 1943-45, 1947-53. Feb. 2, 81.36.

865a. Florencio Rodriguez. Lat. 26°53', long. 98°13'. Drilled farm artesian well in sand, diameter 4 inches, depth 340 feet. Highest water level 78.04 below lsd, Feb. 19, 1947; lowest 84.60 below lsd, Feb. 2, 1953. Records available: 1947-53. Feb. 2, 94.60.

882a. E. Villareal. Lat. 26°53', long. 98°13'. Drilled farm artesian well in sand, diameter 6 to 4 inches, depth 324 feet. Highest water level 86.89 below lsd, Feb. 19, 1947; lowest 97.85 below lsd, Feb. 16, 1951. Records available: 1947-53. Feb. 2, 91.56.

Castro County

8. Earl Cole. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 125, blk. M7. Lat. 34°42', long. 102°26'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 160 feet. Highest water level 71.03 below lsd, Nov. 27, 1942; lowest 87.30 below lsd, Jan. 8, 1953. Records available: 1937-53. Jan. 8, 87.30.
20. H. E. Lindley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 97, blk. M7. Lat. 34°41', long. 102°22'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet. Highest water level 62.30 below lsd, June 10, 1936; lowest 82.25 below lsd, Jan. 8, 1953. Records available: 1936-53. Jan. 8, 82.25.
32. W. A. Springer. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 81, blk. M7. Lat. 34°42', long. 102°22'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 126 feet. Highest water level 62.05 below lsd, Feb. 8, 1943; lowest 76.23 below lsd, Jan. 8, 1953. Records available: 1936-53. Jan. 8, 76.23.
36. E. O. Baker. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 72, blk. M7. Lat. 34°43', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 181 feet. Highest water level 79.70 below lsd, Jan. 14, 1937; lowest 100.52 below lsd, Jan. 18, 1952. Records available: 1937-52. No measurement made in 1953.
40. J. N. Burgin. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 51, blk. M7. Lat. 34°42', long. 102°18'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 132 feet. Highest water level 62.53 below lsd, Mar. 3, 1939; lowest 80.18 below lsd, Jan. 8, 1953. Records available: 1936-46, 1948, 1950-53. Jan. 8, 80.18.
48. J. M. Richardson. NW. cor. sec. 30, blk. M7. Lat. 34°42', long. 102°16'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 162 feet. Highest water level 58.19 below lsd, Feb. 8, 1943; lowest 69.51 below lsd, Jan. 8, 1953. Records available: 1936-53. Jan. 8, 69.51.
52. C. G. Maples. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, blk. M10A. Lat. 34°38', long. 102°14'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 170 feet. Highest water level 71.14 below lsd, Dec. 16, 1938; lowest 93.66 below lsd, Jan. 8, 1953. Records available: 1937-53. Jan. 8, 93.66.
53. W. A. Hunter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 52, blk. M7. Lat. 34°41', long. 102°18'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 135 feet, perforations 0-135. Highest water level 56.67 below lsd, Apr. 30, 1936; lowest 80.87 below lsd, Jan. 8, 1953. Records available: 1936, 1938-53. Jan. 8, 80.87.
58. J. E. Tucker. SW. cor. sec. 2, blk. L2. Lat. 34°34', long. 102°16'. Drilled unused water-table well in sand, diameter 4 inches, depth 173 feet. Highest water level 151.20 below lsd, Mar. 14, 1949; lowest 153.92 below lsd, Dec. 19, 1940. Records available: 1938-53. Jan. 7, 152.89.
201. J. C. Heiman. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 339, blk. M6. Lat. 34°32', long. 102°12'. Drilled unused water-table well in sand, diameter 5 inches, depth 183 feet. Highest water level 151.49 below lsd, Mar. 3, 1948; lowest 160.91 below lsd, Jan. 7, 1953. Records available: 1938-44, 1947-53. Jan. 7, 160.91.
202. Frank Huseman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 222, blk. M6. Lat. 34°31', long. 102°06'. Drilled unused water-table well in sand, diameter 4 inches, depth 126 feet. Highest water level 101.50 below lsd, Feb. 3, 1944; lowest 105.35 below lsd, Jan. 17, 1952. Records available: 1938-42, 1944-53. Jan. 7, 105.34.
- 339a. Harry Kleman. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 180, blk. M6. Lat. 34°30', long. 102°03'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 230 feet. Highest water level 120.25 below lsd, Feb. 3, 1943; lowest 127.65 below lsd, Jan. 6, 1953. Records available: 1943-53. Jan. 6, 127.65. Measurement discontinued.
394. R. J. Wall. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, blk. S2. Lat. 34°23', long. 102°06'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 305 feet. Highest water level 90.58 below lsd, Feb. 24, 1943; lowest 101.91 below lsd, Jan. 7, 1953. Records available: 1939-40, 1942-53. Jan. 7, 101.91.
- 395a. J. R. Riley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. S2. Lat. 34°22', long. 102°05'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 207 feet. Highest water level 88.00 below lsd, Feb. 24, 1943; lowest 98.89 below lsd, Jan. 6, 1953. Records available: 1940, 1942-53. Jan. 6, 98.89.

410b. L. W. Guthrie. NW $\frac{1}{4}$ sec. 7, blk. K3. Lat. 34°20', long. 102°00'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 228 feet. Highest water level 63.82 below lsd, Apr. 2, 1942; lowest 81.32 below lsd, Jan. 6, 1953. Records available: 1942-53. Jan. 6, 81.32.

465. Tom Lewis. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 38, blk. T4. Lat. 34°25', long. 102°22'. Drilled irrigation water-table well in sand, depth 197 feet. Highest water level 94.43 below lsd, Feb. 27, 1946; lowest 99.48 below lsd, Jan. 7, 1953. Records available: 1939, 1942-49, 1951-53. Jan. 7, 99.48.

508. Sam Gilbreath. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, blk. K13. Lat. 34°22', long. 102°15'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, cased to 200. Highest water level 75.33 below lsd, Feb. 24, 1943; lowest 83.84 below lsd, Jan. 17, 1952. Records available: 1938, 1942-44, 1946-52. No measurement made in 1953.

528a. M. H. Fawkes. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 53, blk. K13. Lat. 34°23', long. 102°19'. Drilled irrigation water-table well in sand, depth 202 feet. Highest water level 85.77 below lsd, Feb. 24, 1943; lowest 99.19 below lsd, Jan. 6, 1953. Records available: 1942-45, 1947-53. Jan. 6, 99.19.

529. Irving Redecker. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 52, blk. T4. Lat. 34°23', long. 102°20'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 200 feet. Highest water level 88.20 below lsd, Feb. 4, 1944; lowest 98.84 below lsd, Jan. 6, 1953. Records available: 1938, 1944-53. Jan. 6, 98.84.

544a. N. F. Cleavinger. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, blk. 1. Lat. 34°19', long. 102°20'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 161 feet. Highest water level 89.66 below lsd, Feb. 23, 1943; lowest 102.02 below lsd, Jan. 6, 1953. Records available: 1940, 1942-44, 1946-53. Jan. 6, 102.02.

Chambers County

A-17. Crumpler Bros. Mont Belvieu. Lat. 29°50', long. 94°52'. Drilled unused artesian well in sand, diameter 9 inches, depth 254 feet. Highest water level 50.18 below lsd, Mar. 31, 1941; lowest 84.57 below lsd, Oct. 16, 1953. Records available: 1941, 1948-53. Apr. 13, 83.06; Oct. 16, 84.57.

C-21. U. S. Dept. of Agriculture. Lat. 29°42', long. 94°37'. Drilled unused artesian well in sand, diameter 2 inches, depth 181 feet. Highest water level 6.49 below lsd, Apr. 10, 1950; lowest 9.65 below lsd, Oct. 15, 1953. Records available: 1941, 1948-53. Apr. 13, 8.67; Oct. 15, 9.65.

D-17. Walter Simon. Lat. 29°41', long. 94°28'. Drilled unused artesian well in sand, diameter 30 to 16 inches, depth 500 feet. Highest water level 5.78 below lsd, Nov. 8, 1949; lowest 10.86 below lsd, Apr. 11, 1952. Records available: 1941, 1949-53. Apr. 13, 10.18.

E-14. Salt Dome Oil Corp. Lat. 29°45', long. 94°51'. Drilled farm artesian well in sand, diameter 5 inches, depth 475 feet, screen 453-475. Highest water level 43.44 below lsd, Apr. 19, 1941; lowest 69.30 below lsd, Oct. 15, 1951. Records available: 1941, 1948-51. Measurement discontinued.

E-23. Dr. Shear. Lat. 29°44', long. 94°50'. Drilled unused artesian well in sand, diameter 4 inches, depth 240 feet, screen 230-240. Highest water level 18.91 below lsd, Mar. 29, 1941; lowest 25.51 below lsd, Apr. 10, 1952. Records available: 1928, 1941, 1948-53. Apr. 13, 24.05; Oct. 16, 24.84.

E-60. Asa Wilburn. Lat. 29°41', long. 94°54'. Drilled stock artesian well in sand, diameter 3 inches, depth 94 feet. Highest water level 14.43 below lsd, Apr. 27, 1949; lowest 18.49 below lsd, Oct. 16, 1953. Records available: 1941, 1948-53. Apr. 13, 17.96; Oct. 16, 18.49.

E-90. Old River Rice Co. Lat. 29°45', long. 94°53'. Drilled unused artesian well in sand, diameter 4 to 2 inches, depth 290 feet, screen 275-290. Highest water level 5.64 below lsd, Apr. 27, 1949; lowest 13.59 below lsd, Oct. 15, 1951. Records available: 1934, 1941, 1948-53. Apr. 13, 9.26; Oct. 16, 10.42.

F-25. Josh Mayes. Lat. 29°49', long. 94°43'. Drilled unused artesian well in sand, diameter 2 inches, depth 515 feet, screen 495-515. Highest water level flowing, Apr. 24, 1941; lowest 12.40 below lsd, Oct. 15, 1953. Records available: 1941, 1948-53. Apr. 13, 11.21; Oct. 15, 12.40.

F-42. G. Chambliss. Lat. 29°45', long. 94°41'. Drilled unused artesian well in sand, diameter 3 inches, depth 96 feet, screen 86-96. Highest water level 4.14 below lsd, Apr. 11, 1952; lowest 9.08 below lsd, Oct. 6, 1948. Records available: 1941, 1948-52. No measurement made in 1953.

G-8. U. S. Dept. of Agriculture. Lat. $29^{\circ}34'$, long. $94^{\circ}34'$. Drilled farm artesian well in sand, diameter 2 inches, depth 184 feet. Highest water level 5.54 below lsd, May 22, 1941; lowest 13.17 below lsd, Apr. 8, 1953. Records available: 1941, 1948-53. Apr. 8, 13.17; Oct. 15, 11.6.

G-69. U. S. Dept. of Agriculture. Lat. $29^{\circ}37'$, long. $94^{\circ}34'$. Drilled unused artesian well in sand, diameter 2 inches, depth 445 feet. Highest water level 5.44 below lsd, May 2, 1941; lowest 15.83 below lsd, Oct. 15, 1953. Records available: 1941, 1948-51, 1953. Apr. 8, 15.16; Oct. 15, 15.83.

H-80. R. Barrow. Lat. $29^{\circ}30'$, long. $94^{\circ}28'$. Drilled farm artesian well in sand, diameter 3 inches, depth 208 feet. Highest water level 0.02 above lsd, Nov. 9, 1949; lowest 3.09 below lsd, Nov. 20, 1948. Records available: 1941, 1948-51. Measurement discontinued.

J-13. Sun Oil Co. Lat. $29^{\circ}27'$, long. $94^{\circ}42'$. Drilled industrial artesian well in sand, diameter 5 inches, depth 203 feet. Highest water level 4.60 below lsd, Mar. 17, 1949; lowest 22.12 below lsd, Nov. 9, 1949. Records available: 1944, 1949-53. Apr. 8, 5.99; Oct. 15, 6.26.

Cochran County

1. Beck Gin Co. Whiteface. Lat. $33^{\circ}36'$, long. $102^{\circ}36'$. Drilled industrial water-table well in sand, diameter 6 inches. Highest water level 149.20 below lsd, Jan. 17, 1951; lowest 157.37 below lsd, Feb. 15, 1950. Records available: 1937-42, 1944-48, 1950-51. Measurement discontinued.

5. Dave Linder. Lat. $33^{\circ}40'$, long. $102^{\circ}42'$. Drilled farm water-table well in sand, diameter 6 inches, depth 146 feet. Highest water level 124.16 below lsd, Feb. 15, 1950; lowest 131.40 below lsd, Jan. 17, 1951. Records available: 1937-41, 1944-53. Jan. 14, 126.74.

Comal County

221. Albert Simon. Lat. $29^{\circ}44'$, long. $98^{\circ}08'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 186 feet. Land-surface datum is 792.99 feet above msl. Highest water level 155.72 below lsd, May 23, 1945; lowest 177.81 below lsd, Dec. 19, 1951. Records available: 1939-53. Apr. 10, 167.34; Aug. 6, 170.16; Nov. 30, 170.0.

222. William Kraft. Lat. $29^{\circ}44'$, long. $98^{\circ}08'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 805.50 feet above msl. Highest water level 168.68 below lsd, Apr. 23, 1945; lowest 186.68 below lsd, Mar. 12, 1952. Records available: 1939-46, 1948-53. Apr. 10, 181.41; Aug. 6, 183.81; Nov. 30, 182.28.

223. L. S. Davis. Lat. $29^{\circ}45'$, long. $98^{\circ}09'$. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 320 feet. Land-surface datum is 840.07 feet above msl. Highest water level 197.55 below lsd, Apr. 23, 1945; lowest 219.81 below lsd, Aug. 6, 1952. Records available: 1936, 1939-53. Apr. 10, 211.80; Nov. 30, 212.69.

225. W. H. Harborth Estate. Lat. $29^{\circ}44'$, long. $98^{\circ}10'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 265 feet. Land-surface datum is 809.05 feet above msl. Highest water level 162.02 below lsd, May 23, 1945; lowest 187.27 below lsd, Oct. 28, 1936. Records available: 1936, 1939-53. Apr. 10, 179.13; Aug. 6, 182.35.

232. Krueger Bros. Lat. $29^{\circ}43'$, long. $98^{\circ}13'$. Drilled farm artesian well in limestone, diameter 6 inches, depth 250 feet. Land-surface datum is 941.79 feet above msl. Highest water level 167.52 below lsd, Apr. 19, 1943; lowest 197.77 below lsd, Jan. 3, 1951. Records available: 1937, 1939-48, 1950-51. Measurement discontinued.

263a. Walter Kappelmacher. Lat. $29^{\circ}43'$, long. $98^{\circ}10'$. Drilled domestic water-table well in Edwards limestone, diameter 8 inches, depth 300 feet. Land-surface datum is 861.68 feet above msl. Highest water level 220.85 below lsd, Dec. 11, 1942; lowest 235.65 below lsd, Jan. 4, 1951. Records available: 1939-51. Measurement discontinued.

271. Albert Wallhoeffer. Lat. $29^{\circ}45'$, long. $98^{\circ}05'$. Drilled farm well in Edwards limestone, diameter 6 inches, depth 140 feet. Land-surface datum is 700.60 feet above msl. Highest water level 83.64 below lsd, May 22, 1945; lowest 94.26 below lsd, Aug. 8, 1952. Records available: 1936-53. Apr. 10, 91.47; Aug. 6, 92.87; Dec. 2, 91.68.

274. Charles Soechting. Lat. $29^{\circ}46'$, long. $98^{\circ}03'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 210 feet. Land-surface datum is 758.31 feet above msl. Highest water level 144.08 below lsd, May 23, 1945; lowest 157.21 below lsd, Mar. 13, 1952. Records available: 1937-53. Apr. 10, 153.19; Aug. 6, 155.55; Dec. 2, 153.11.

278. Raymond A. Jentsch. Lat. 29°46', long. 98°03'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 210 feet. Land-surface datum is 752.71 feet above msl. Highest water level 143.26 below lsd, July 6, 1945; lowest 154.28 below lsd, Mar. 13, 1952. Records available: 1936-53. Apr. 10, 154.06; Aug. 6, 152.15; Dec. 2, 149.68.

326. William Schaeffer. Lat. 29°38', long. 98°13'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 300 feet. Land-surface datum is 684.45 feet above msl. Highest water level 27.47 below lsd, May 19, 1938; lowest 58.30 below lsd, Aug. 6, 1953. Records available: 1934, 1937-53. Apr. 10, 51.02; Aug. 6, 58.30; Nov. 30, 50.44.

336. A. W. Feich. Lat. 29°39', long. 98°11'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 700 feet. Land-surface datum is 728.17 feet above msl. Highest water level 69.94 below lsd, May 28, 1934; lowest 104.17 below lsd, Aug. 6, 1953. Records available: 1934, 1936-53. Apr. 10, 97.09; Aug. 6, 104.17; Nov. 30, 97.16.

373. L. Jentsch. Lat. 29°40', long. 98°09'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 485 feet. Land-surface datum is 661.45 feet above msl. Highest water level 16.44 below lsd, Dec. 4, 1936; lowest 38.08 below lsd, Aug. 6, 1953. Records available: 1936-53. Apr. 10, 33.11; Aug. 6, 38.08; Nov. 30, 33.38.

397. D. N. Barnett. Lat. 29°37', long. 98°15'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 378 feet. Land-surface datum is 836.51 feet above msl. Highest water level 175.10 below lsd, May 19, 1938; lowest 211.51 below lsd, Sept. 4, 1952. Records available: 1937-40, 1944-45, 1948-53. Apr. 10, 200.92; Aug. 6, 207.57; Nov. 30, 201.71.

399. John Karbach. Lat. 29°45', long. 98°06'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 181 feet. Land-surface datum is 783.27 feet above msl. Highest water level 165.71 below lsd, May 23, 1945; lowest 177.82 below lsd, Mar. 13, 1952. Records available: 1937-53. Apr. 10, 174.64; Aug. 6, 176.30; Dec. 2, 174.58.

430. U. S. Geol. Survey. Davenport School. Lat. 29°37', long. 98°18'. Drilled observation artesian well in Edwards limestone, diameter 6 inches, depth 225 feet. Land-surface datum is 851.73 feet above msl. Highest water level 192.90 below lsd, May 16, 1949; lowest 223.68 below lsd, Aug. 15, 1953. Records available: 1948-53.

Daily highest water level from recorder graph

Daily highest water level from recorder graph												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	210.70	213.39	213.74	217.24	.....	222.35	218.63	214.65	213.07	.....
2	210.73	213.31	214.06	217.33	.....	222.42	218.03	214.79	212.91	.....
3	210.78	213.14	214.38	217.55	.....	222.43	217.39	214.60	212.84	.....
4	211.02	212.95	214.55	217.75	.....	222.44	216.61	214.25	212.69	212.00
5	211.18	212.70	214.39	218.02	.....	222.49	215.78	214.02	212.69	211.97
6	211.20	212.57	214.39	218.25	.....	222.65	214.93	213.77	212.60	211.89
7	211.46	212.67	214.52	218.45	.....	222.85	214.38	213.73	212.51	211.87
8	211.48	212.81	214.68	218.59	.....	223.01	213.82	213.63	212.49	211.85
9	211.37	213.04	214.95	218.59	.....	223.02	213.42	213.62	212.39	211.97
10	210.33	211.35	213.30	215.24	218.71	.....	223.08	213.16	213.62	212.39	211.96
11	210.42	211.30	213.44	215.27	219.05	.....	223.20	212.96	213.69	212.35	211.90
12	210.40	211.35	213.52	215.26	219.27	.....	223.40	212.85	213.70	212.35	211.88
13	210.44	211.34	213.30	215.28	219.56	.....	223.53	212.71	213.68	212.38	211.75
14	210.42	211.35	213.24	215.26	219.65	.....	223.58	212.58	213.87	212.44	211.75
15	210.36	211.35	213.18	215.25	219.65	.....	223.68	212.55	214.05	212.47	211.76
16	210.30	211.34	213.32	.....	219.65	.....	223.65	212.65	214.10	212.39	211.80
17	210.50	211.31	213.36	.....	219.69	.....	223.52	212.69	214.26	212.39	211.83
18	210.49	211.46	213.46	.....	219.94	.....	223.45	212.93	214.33	212.40	211.81
19	210.41	211.66	213.55	.....	220.12	.....	223.53	213.01	214.35	212.36	211.72
20	210.48	211.82	213.52	.....	220.29	.....	223.62	212.98	214.38	212.44	211.55
21	210.68	211.95	213.70	.....	220.47	221.80	223.32	213.05	214.39	212.47	211.47
22	210.69	212.10	213.95	.....	220.59	221.84	222.83	213.17	214.42	212.44	211.61
23	210.62	212.17	214.13	.....	220.65	221.89	222.54	213.42	214.50	.....	211.78
24	210.53	212.45	214.10	215.23	220.66	221.92	222.27	213.58	214.45	212.43	211.88
25	210.50	212.70	213.92	215.68	221.15	221.97	221.54	213.78	214.24	212.60	211.70
26	210.57	212.89	213.85	215.88	221.35	222.03	221.20	213.87	213.88	212.71	211.67
27	210.62	212.83	213.80	216.27	221.54	222.08	220.80	213.95	213.68	.....	211.55
28	210.71	212.98	213.78	216.57	221.56	222.13	220.39	214.05	213.55	.....	211.54
29	213.04	213.55	216.80	221.59	222.20	219.97	214.23	213.45	.....	211.58
30	213.01	213.56	217.03	.....	222.25	219.51	214.43	213.37	.....	211.73
31	213.18	.....	217.20	.....	222.30	219.10	.....	213.26	.....	211.78

431. U. S. Geol. Survey. Landa Park. Lat. $29^{\circ}42'$, long. $98^{\circ}08'$. Drilled water-table well in Edwards limestone, diameter 7 to 3 inches, depth 230 feet, cased to 27. Land-surface datum is 642.7 feet above msl. Highest water level 16.9 below lsd, May 16, 1949; lowest 21.61 below lsd, Aug. 14, 1953. Records available: 1948-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.16	19.39	19.59	19.79	.....	20.34	20.75	21.28	20.63	20.02	19.76	19.43
2	19.14	19.39	19.60	19.78	.....	20.38	20.72	21.27	20.49	20.02	19.75	19.43
3	19.11	19.41	19.60	19.77	.....	20.43	20.70	21.27	20.37	19.98	19.75	19.60
4	19.10	19.43	19.63	19.74	.....	20.47	20.69	21.32	20.13	19.94	19.74	19.60
5	19.08	19.45	19.65	19.69	.....	20.52	20.65	21.36	20.02	19.92	19.73	19.60
6	19.09	19.47	19.66	19.68	.....	20.54	20.67	21.40	20.00	19.89	19.74	19.61
7	19.08	19.48	19.68	19.71	.....	20.53	20.69	21.43	19.99	19.89	19.73	19.60
8	19.06	19.49	19.68	19.73	.....	20.53	20.73	21.47	19.98	19.88	19.72	19.60
9	19.08	19.49	19.67	19.78	.....	20.59	20.80	21.46	19.98	19.87	19.71	19.62
10	19.08	19.50	19.68	19.83	.....	20.70	20.83	21.48	19.98	19.86	19.72	19.63
11	19.08	19.52	19.67	19.83	.....	20.72	20.87	21.54	19.95	19.86	19.71	19.62
12	19.10	19.52	19.68	19.81	.....	20.73	20.86	21.58	19.94	19.87	19.71	19.62
13	19.10	19.52	19.68	19.80	.....	20.71	20.86	21.59	19.93	19.89	19.72	19.61
14	19.09	19.52	19.68	19.80	.....	20.73	20.87	21.61	19.92	19.93	19.71	19.61
15	19.10	19.52	19.69	19.82	.....	20.73	20.94	21.55	19.92	19.92	19.71	19.60
16	19.13	19.52	19.69	19.82	.....	20.76	20.97	21.54	19.91	19.94	19.71	19.62
17	19.13	19.55	19.69	19.85	.....	20.81	21.00	21.57	19.90	19.95	19.70	19.62
18	19.08	19.54	19.70	19.87	.....	20.89	21.05	21.57	19.89	19.94	19.69	19.62
19	19.09	19.53	19.71	19.86	.....	20.89	21.03	21.54	19.89	19.94	19.69	19.60
20	19.10	19.53	19.74	19.87	.....	20.89	21.03	21.46	19.88	19.96	19.70	19.58
21	19.12	19.55	19.75	19.92	.....	20.88	21.08	21.39	19.88	19.96	19.70	19.57
22	19.12	19.57	19.76	19.94	.....	20.88	21.14	21.35	19.87	19.97	19.70	19.57
23	19.13	19.58	19.78	19.91	.....	20.90	21.21	21.31	19.87	19.95	19.70	19.62
24	19.15	19.58	19.82	19.93	20.09	20.99	21.23	21.25	19.88	19.90	19.70	19.62
25	19.17	19.58	19.86	19.95	20.10	21.03	21.19	21.25	19.90	19.68	19.73	19.62
26	19.16	19.58	19.88	19.90	20.22	21.09	21.14	21.18	19.90	19.83	19.74	19.61
27	19.18	19.59	19.84	19.90	20.26	21.07	21.11	21.06	19.92	19.82	19.75	19.58
28	19.20	19.59	19.78	19.89	20.28	21.05	21.15	21.01	19.94	19.81	19.77	19.59
29	19.22		19.75	19.89	20.30	20.57	21.20	20.93	19.96	19.80	19.75	19.59
30	19.31		19.74	.....	20.32	20.81	21.24	20.47	20.00	19.80	19.75	19.61
31	19.39		19.76		20.32		21.28	20.72		19.78		19.62

Crosby County

1. J. T. Vaughn. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, blk. M. Lat. $33^{\circ}47'$, long. $101^{\circ}23'$. Drilled domestic water-table well in sand, diameter 6 inches, depth 208 feet, cased to 208. Highest water level 112.53 below lsd, Jan. 28, 1943; lowest 129.63 below lsd, Jan. 6, 1953. Records available: 1937-40, 1942-44, 1946-53. Jan. 6, 129.63.

3. New Home School. NW. cor. S. M. Walker survey. Lat. $33^{\circ}44'$, long. $101^{\circ}23'$. Drilled domestic water-table well in sand, diameter 6 inches, depth 173 feet. Highest water level 135.03 below lsd, Dec. 17, 1939; lowest 156.86 below lsd, Jan. 24, 1952. Records available: 1937-41, 1944-50, 1952. Measurement discontinued.

3b. B. L. Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 32, blk. C. Lat. $33^{\circ}48'$, long. $101^{\circ}32'$. Drilled irrigation water-table well in sand. Highest water level 82.07 below lsd, Mar. 5, 1947; lowest 111.94 below lsd, Jan. 6, 1953. Records available: 1947-53. Jan. 6, 111.94.

4. J. A. McGlocklen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 114, GTRR Survey. Lat. $33^{\circ}41'$, long. $101^{\circ}23'$. Drilled farm water-table well in sand, diameter 6 inches, depth 152 feet. Highest water level 118.77 below lsd, Oct. 22, 1942; lowest 174.22 below lsd, Jan. 7, 1953. Records available: 1937-45, 1949-53. Jan. 7, 174.22.

6. Miss D. M. Ralls. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, blk. A278. Lat. $33^{\circ}40'$, long. $101^{\circ}25'$. Drilled farm water-table well in sand, diameter 6 inches, depth 166 feet. Highest water level 117.72 below lsd, Apr. 14, 1938; lowest 127.37 below lsd, Jan. 23, 1952. Records available: 1937-40, 1946, 1949, 1951-52. Measurement discontinued.

7. B. F. Lackey. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 920, blk. C3. Lat. $33^{\circ}40'$, long. $101^{\circ}26'$. Drilled un-used water-table well in sand, diameter 6 inches, depth 122 feet. Highest water level 93.48 below lsd, Apr. 14, 1938; lowest 115.60 below lsd, Jan. 23, 1952. Records available: 1937-42, 1944-50, 1952. No measurement made in 1953.

11b. Grady Joiner. NW cor. sec. 54, blk. C. Lat. 33°40', long. 101°33'. Drilled irrigation water-table well in sand. Highest water level 78.10 below lsd, Jan. 1946; lowest 102.95 below lsd, Jan. 6, 1953. Records available: 1946-53. Jan. 6, 102.95.

12b. John Joiner. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, blk. C. Lat. 33°45', long. 101°31'. Drilled irrigation water-table well in sand, depth 135 feet. Highest water level 92.14 below lsd, Mar. 4, 1947; lowest 105.50 below lsd, Jan. 24, 1952. Records available: 1947-49, 1951-52. No measurement made in 1953.

13a. Floyd Blankenship. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 60, blk. C. Lat. 33°45', long. 101°33'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 286 feet. Highest water level 81.69 below lsd, Mar. 5, 1947; lowest 98.92 below lsd, Jan. 6, 1953. Records available: 1947-49, 1951-53. Jan. 6, 98.92.

17a. G. B. Parish. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. C. Lat. 33°46', long. 101°28'. Drilled irrigation water-table well in sand. Highest water level 93.00 below lsd, Oct. 28, 1938; lowest 115.39 below lsd, Jan. 6, 1953. Records available: 1938, 1947-53. Jan. 6, 115.39.

21a. Lynn Foster. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, blk. C. Lat. 33°46', long. 101°27'. Drilled irrigation water-table well in sand. Highest water level 102.06 below lsd, Mar. 5, 1947; lowest 117.13 below lsd, Jan. 6, 1953. Records available: 1947-53. Jan. 6, 117.13.

340. T. M. Scott. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, blk. C3. Lat. 33°39', long. 101°29'. Drilled irrigation water-table well in sand. Highest water level 90.66 below lsd, Feb. 18, 1948; lowest 104.07 below lsd, Jan. 7, 1953. Records available: 1948-53. Jan. 7, 104.07.

343c. Roy Abell. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 907, blk. CS. Lat. 33°41', long. 101°30'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 369 feet. Highest water level 91.00 below lsd, Mar. 1945; lowest 112.70 below lsd, Jan. 7, 1953. Records available: 1945, 1947, 1949-53. Jan. 7, 112.70.

412. Westerman. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1074, blk. C3. Lat. 33°36', long. 101°30'. Drilled irrigation water-table well in sand. Highest water level 102.28 below lsd, Feb. 18, 1948; lowest 116.69 below lsd, Jan. 7, 1953. Records available: 1947-51, 1953. Jan. 7, 116.69.

415a. Mrs. Hendricks. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. C. Lat. 33°36', long. 101°32'. Drilled irrigation water-table well in sand. Highest water level 72.30 below lsd, Mar. 1, 1947; lowest 85.47 below lsd, Jan. 24, 1951. Records available: 1947-53. Jan. 7, 81.80.

Dawson County

101. F. King. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, blk. 35, T. 6 N. Lat. 32°55'. Drilled farm water-table well in sand, diameter 22 inches, depth 150 feet, cased to 140. Highest water level 119.67 below lsd, Feb. 6, 1951; lowest 122.84 below lsd, Jan. 23, 1939. Records available: 1938-40, 1944, 1949-51. No measurement made in 1953.

613. J. A. E. Gary. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 107, blk. 34. Lat. 32°55', long. 101°51'. Drilled farm water-table well in sand, diameter 6 inches, depth 191 feet, perforations 101-191. Highest water level 54.01 below lsd, Feb. 6, 1951; lowest 59.45 below lsd, July 1, 1937. Records available: 1937-38, 1944, 1949-52. No measurement made in 1953.

706. H. Richardson. SE. cor. sec. 12, blk. 35. Lat. 32°37', long. 101°49'. Drilled farm water-table well in sand, diameter 6 inches, depth 174 feet. Highest water level 77.52 below lsd, Feb. 6, 1951; lowest 84.25 below lsd, Aug. 6, 1937. Records available: 1937-38, 1940, 1943-44, 1949-51. No measurement made in 1953.

709. Truett Shipley. SW. cor. sec. 47, blk. 35. Lat. 32°38', long. 101°51'. Drilled farm water-table well in sand, diameter 6 inches, depth 74 feet. Highest water level 61.49 below lsd, Feb. 20, 1950; lowest 67.64 below lsd, Aug. 6, 1937. Records available: 1937-40, 1949-51. No measurement made in 1953.

715. H. H. Barron. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 21, blk. 35. Lat. 32°41', long. 101°54'. Drilled stock water-table well in sand, diameter 6 inches, depth 81 feet. Highest water level 65.76 below lsd, Feb. 6, 1951; lowest 73.66 below lsd, July 13, 1937. Records available: 1937-38, 1942-44, 1949-51. No measurement made in 1953.

Deaf Smith County

113a. Steffy. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 58, blk. K4. Lat. 34°59', long. 102°23'. Drilled irrigation water-table well in sand. Highest water level 103.64 below lsd, Mar. 15, 1948; lowest 111.07 below lsd, Jan. 17, 1953. Records available: 1948-53. Jan. 17, 111.07.

130. Deaf Smith County School. NE. cor. of J. M. Burns survey. Lat. 35°05', long. 102°16'. Drilled unused water-table well in sand, diameter 4 inches, depth 140 feet. Highest water level 129.44 below lsd, Mar. 1, 1945; lowest 133.90 below lsd, Jan. 17, 1953. Records available: 1938, 1948-53. Jan. 17, 133.90.
201. W. R. Hastings. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 92, blk. K3. Lat. 34°55', long. 102°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 212 feet. Highest water level 101.55 below lsd, Dec. 11, 1937; lowest 113.11 below lsd, Jan. 17, 1953. Records available: 1937-38, 1948-53. Jan. 17, 113.11.
205. J. L. McGee. NW. cor. sec. 50, blk. K3. Lat. 34°57', long. 102°22'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 154 feet. Highest water level 74.22 below lsd, Nov. 9, 1937; lowest 103.70 below lsd, Jan. 16, 1953. Records available: 1937-38, 1941-46, 1948-53. Jan. 16, 103.70.
207. Charles B. Miles. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, blk. K3. Lat. 34°55', long. 102°18'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 108 feet. Highest water level 53.81 below lsd, June 18, 1936; lowest 67.86 below lsd, Jan. 16, 1953. Records available: 1936-41, 1944-53. Jan. 16, 67.86.
212. Alfred May. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. 3. Lat. 34°56', long. 102°15'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 140 feet. Highest water level 70.26 below lsd, Nov. 25, 1937; lowest 86.92 below lsd, Jan. 16, 1953. Records available: 1936-49, 1951-53. Jan. 16, 86.92.
216. C. C. Stewart. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, blk. 3. Lat. 34°55', long. 102°12'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 160 feet. Highest water level 66.18 below lsd, Mar. 12, 1938; lowest 74.62 below lsd, Jan. 16, 1953. Records available: 1937-47, 1949-53. Jan. 16, 74.62.
217. W. E. Neal. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, blk. 3. Lat. 34°54', long. 102°11'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 83.94 below lsd, May 1936; lowest 97.76 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 97.76.
219. J. E. Manz. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, blk. 3. Lat. 34°57', long. 102°12'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 162 feet. Highest water level 73.54 below lsd, Mar. 20, 1939; lowest 86.35 below lsd, Jan. 16, 1953. Records available: 1937-44, 1946, 1948-53. Jan. 16, 86.35.
220. C. T. Wimberly. SW. cor. sec. 22, blk. 3. Lat. 34°54', long. 102°13'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 180 feet. Highest water level 83.08 below lsd, Mar. 20, 1939; lowest 106.06 below lsd, Jan. 16, 1953. Records available: 1937-42, 1944-53. Jan. 16, 106.06.
224. A. T. Fry. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, blk. 3. Lat. 34°53', long. 102°14'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 180 feet. Highest water level 54.48 below lsd, Dec. 6, 1939; lowest 65.04 below lsd, Jan. 16, 1953. Records available: 1937-44, 1946, 1948-53. Jan. 16, 65.04.
226. Jack Renfro. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, blk. K3. Lat. 34°54', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches. Highest water level 48.57 below lsd, Feb. 9, 1943; lowest 71.56 below lsd, Jan. 19, 1953. Records available: 1936, 1938-53. Jan. 19, 71.56.
230. E. C. Reineaur. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, blk. K3. Lat. 34°53', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 40.44 below lsd, June 23, 1936; lowest 54.05 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 54.05. Measurement discontinued.
234. H. M. Horton. Sec. 534, excess acreage strip. Lat. 34°52', long. 102°16'. Drilled farm water-table well in sand, diameter 5 inches. Highest water level 47.08 below lsd, Feb. 17, 1942; lowest 54.65 below lsd, Jan. 16, 1953. Records available: 1937-44, 1946-47, 1949-51, 1953. Jan. 16, 54.65.
235. Lewis A. Smith. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. K3. Lat. 34°51', long. 102°17'. Drilled irrigation water-table well in sand, depth 105 feet. Highest water level 48.61 below lsd, Dec. 23, 1941; lowest 58.35 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 58.35.
236. Ray Kershen. SW. cor. sec. 5, blk. K3. Lat. 34°51', long. 102°17'. Drilled irrigation water-table well in sand, diameter 6 inches. Highest water level 46.40 below lsd, June 24, 1937; lowest 58.35 below lsd, Jan. 16, 1953. Records available: 1937-53. Jan. 16, 58.35.

237. Ray Kershen. NW. cor. sec. 5, blk. K3. Lat. 34°52', long. 102°17'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 150 feet. Highest water level 40.20 below lsd, June 11, 1936; lowest 56.76 below lsd, Jan. 16, 1953. Records available: 1934, 1936-53. Jan. 16, 56.76.

241. Frank Wilde. NW. cor. sec. 17, blk. K3. Lat. 34°51', long. 102°18'. Drilled unused water-table well in sand, diameter 26 inches, depth 100 feet. Highest water level 47.14 below lsd, Dec. 4, 1937; lowest 59.00 below lsd, Jan. 16, 1953. Records available: 1937-53. Jan. 16, 59.00.

245. E. F. Plank. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, blk. K3. Lat. 34°52', long. 102°19'. Drilled unused water-table well in sand, diameter 24 inches, depth 100 feet. Highest water level 42.67 below lsd, May 8, 1936; lowest 60.70 below lsd, Jan. 16, 1953. Records available: 1934, 1936-53. Jan. 16, 60.70.

247. R. R. Lindsey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, blk. K3. Lat. 34°54', long. 102°20'. Drilled stock water-table well in sand, diameter 5 inches, depth 38 feet. Highest water level 19.25 below lsd, Dec. 23, 1941; lowest 32.65 below lsd, Jan. 16, 1953. Records available: 1937-50, 1952-f3. Jan. 16, 32.65.

258. J. R. Davis. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 77, blk. K3. Lat. 34°51', long. 102°24'. Drilled irrigation water-table well in sand, diameter 22 to 18 inches, depth 125 feet. Highest water level 52.27 below lsd, Mar. 21, 1939; lowest 74.48 below lsd, Jan. 17, 1953. Records available: 1936-53. Jan. 17, 74.48.

261. D. L. McDonald. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. K3. Lat. 34°52', long. 102°24'. Drilled unused water-table well in sand, diameter 26 inches, depth 179 feet. Highest water level 46.5 below lsd, 1914; lowest 84.65 below lsd, Aug. 15, 1953. Records available: 1914, 1936-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	71.82	71.66	71.69	75.65	74.05	78.38	83.45	82.82	77.90	77.08	.....
2	.....	71.83	71.67	71.67	75.37	73.93	79.25	82.52	82.58	77.76	76.99	.....
3	.....	71.85	71.67	71.69	75.18	73.92	81.90	81.92	82.32	77.65	76.95	.....
4	.....	71.78	71.70	71.65	75.00	73.88	82.56	81.52	81.83	77.56	76.90	.....
5	.....	71.79	71.63	71.68	74.82	73.90	82.41	81.60	81.40	77.52	76.79	.....
6	.....	71.77	71.64	71.63	76.93	75.00	80.87	82.12	81.02	78.55	76.73	.....
7	.....	71.80	71.70	71.65	79.25	75.10	80.00	82.44	80.64	79.39	76.77	.....
8	.....	71.75	71.70	72.90	78.50	74.98	79.32	82.58	80.31	79.88	76.72	.....
9	.....	71.80	71.64	75.45	78.77	76.44	78.70	82.19	80.19	80.37	76.67	.....
10	.....	71.82	71.64	74.88	77.92	78.85	78.15	81.95	82.50	80.72	76.65	.....
11	.....	71.79	71.65	76.70	77.09	80.70	77.22	82.46	82.17	80.37	76.65	.....
12	.....	71.80	71.68	78.75	77.65	76.84	79.10	82.79	82.51	79.96	76.62	.....
13	.....	71.73	71.64	78.10	78.35	79.85	81.70	82.97	82.12	79.88	76.57	.....
14	.....	71.75	71.67	80.65	77.70	79.05	82.00	83.05	81.88	80.08	76.52	.....
15	.....	71.72	71.68	81.63	76.66	78.75	81.77	84.65	82.02	79.69	76.48	.....
16	.....	71.78	71.68	79.60	76.11	80.60	81.95	83.82	81.48	79.32	76.46	.....
17	.....	71.74	71.64	78.65	75.78	79.25	83.50	83.50	81.05	79.00	76.40	.....
18	71.90	71.74	71.68	78.45	75.47	78.33	83.15	82.81	80.65	78.74	76.37	.....
19	71.89	71.72	71.66	79.50	75.20	77.65	82.10	82.25	80.30	78.54	.....	.....
20	71.90	71.80	71.63	81.40	75.08	76.87	81.37	81.75	80.03	78.40	.....	.....
21	71.84	71.81	71.65	80.83	74.05	76.38	80.70	81.31	79.85	78.55	.....	.....
22	71.89	71.74	71.69	79.85	74.80	76.05	80.50	80.90	79.57	78.40	.....	.....
23	71.91	71.72	71.72	79.67	74.78	75.80	81.10	80.50	79.28	78.19	.....	.....
24	71.91	71.72	71.72	80.76	74.61	75.57	81.29	80.35	79.06	77.98	.....	.....
25	71.84	71.73	71.67	80.85	74.53	75.42	83.17	82.50	78.85	77.88	.....	.....
26	71.87	71.72	71.69	79.30	74.44	75.25	83.33	82.73	78.68	77.73	.....	.....
27	71.87	71.72	71.73	78.22	74.35	75.13	82.55	82.65	78.50	77.62	.....	.....
28	71.86	71.69	71.65	77.08	74.24	75.03	81.83	82.89	78.32	77.52	.....	.....
29	71.85		71.66	76.45	74.19	75.03	81.32	83.14	78.20	77.38	.....	.....
30	71.84		71.67	75.95	74.16	76.50	82.40	83.45	78.04	77.28	.....	.....
31	71.88		71.68		74.10		83.04	83.12		77.19	.....	.....

265. Reineaur Bros. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 74, blk. K3. Lat. 34°54', long. 102°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 230 feet. Highest water level 61.49 below lsd, Sept. 15, 1937; lowest 80.88 below lsd, Jan. 22, 1952. Records available: 1937-52. Measurement discontinued.

272. J. L. Hoffman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 86, blk. K3. Lat. 34°53', long. 102°26'. Drilled unused water-table well in sand, diameter 22 inches, depth 120 feet. Highest water level 65.56 below lsd, July 17, 1936; lowest 91.33 below lsd, Jan. 17, 1953. Records available: 1936-42, 1944-50, 1952-53. Jan. 17, 91.33.

281. R. A. Freeman. NW. cor. sec. 96, blk. K3. Lat. 34°52', long. 102°27'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet. Highest water level 63.75 below lsd, Oct. 30, 1937; lowest 83.70 below lsd, Jan. 17, 1953. Records available: 1937-41, 1944-53. Jan. 17, 83.70.

283. J. T. Gilbreath. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 133, blk. M7. Lat. 34°48', long. 102°26'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 166 feet. Highest water level 60.20 below lsd, May 13, 1936; lowest 73.30 below lsd, Jan. 17, 1953. Records available: 1936-53. Jan. 17, 73.30.

288. Lee Hopson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 63, blk. K3. Lat. 34°51', long. 102°24'. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 160 feet, cased to 133. Highest water level 58.00 below lsd, Apr. 18, 1936; lowest 87.20 below lsd, Aug. 2, 1946. Records available: 1936-53. Jan. 16, 85.96.

291. Roy T. Slagle. NW. cor. sec. 59, blk. K3. Lat. 34°50', long. 102°23'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 117 feet. Highest water level 54.64 below lsd, May 29, 1936; lowest 79.10 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 79.10.

302. Noel Ewton. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 38, blk. K3. Lat. 34°50', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 120 feet. Highest water level 49.12 below lsd, Mar. 21, 1939; lowest 75.90 below lsd, Aug. 5, 1947. Records available: 1936-42, 1944-53. Jan. 16, 58.20.

305. E. L. Adams. NW. cor. sec. 100, blk. K3. Lat. 34°49', long. 102°27'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 180 feet. Highest water level 79.42 below lsd, Aug. 27, 1937; lowest 102.11 below lsd, Jan. 17, 1953. Records available: 1937, 1945-53. Jan. 17, 102.11.

311. H. H. Boardman. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 41, blk. K3. Lat. 34°48', long. 102°21'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 100 feet. Highest water level 47.89 below lsd, Mar. 14, 1937; lowest 66.50 below lsd, Aug. 12, 1938. Records available: 1934, 1936-53. Jan. 16, 60.04.

315. William Woulff. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 67, blk. M7. Lat. 34°47', long. 102°20'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 130 feet. Highest water level 54.35 below lsd, June 25, 1937; lowest 68.50 below lsd, Jan. 22, 1952. Records available: 1936-53. Jan. 16, 74.19, pumped recently.

322. Dr. G. W. Heard. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 112, blk. M7. Lat. 34°46', long. 102°24'. Drilled unused water-table well in sand, diameter 26 inches, depth 140 feet. Highest water level 69.17 below lsd, May 28, 1936; lowest 93.17 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 93.17.

326. Frank J. Knabe. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 114, blk. M7. Lat. 34°45', long. 102°25'. Drilled unused water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 87.07 below lsd, Oct. 27, 1937; lowest 111.50 below lsd, Jan. 16, 1953. Records available: 1937-41, 1945-49, 1951-53. Jan. 16, 111.50.

331. Owen Andrews. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 107, blk. M7. Lat. 34°45', long. 102°24'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 136 feet. Highest water level 74.58 below lsd, Sept. 18, 1937; lowest 95.71 below lsd, Jan. 16, 1953. Records available: 1937-51, 1953. Jan. 16, 95.71.

336. George M. Clingan. SW. cor. NE $\frac{1}{4}$ sec. 86, blk. M7. Lat. 34°46', long. 102°21'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 140 feet. Highest water level 85.46 below lsd, June 25, 1937; lowest 107.03 below lsd, Jan. 16, 1953. Records available: 1936-53. Jan. 16, 107.03.

340. Felix Urbanczyk. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 108, blk. M7. Lat. 34°45', long. 102°24'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 120 feet. Highest water level 72.88 below lsd, Apr. 17, 1936; lowest 95.50 below lsd, Jan. 19, 1953. Records available: 1936-44, 1946-53. Jan. 19, 95.50.

342. Ed. Dziuk. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 108, blk. M7. Lat. 34°46', long. 102°23'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 126 feet, cased to 121. Highest water level 74.01 below lsd, Mar. 29, 1938; lowest 91.78 below lsd, Jan. 24, 1952. Records available: 1937-44, 1947-49, 1951-52. No measurement made in 1953.

394. Paul M. Helmke. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 43, blk. M7. Lat. $34^{\circ}46'$, long. $102^{\circ}17'$. Drilled irrigation water-table well in sand. Highest water level 79.34 below lsd, Mar. 18, 1947; lowest 89.77 below lsd, Jan. 16, 1953. Records available: 1945-53. Jan. 16, 89.77.

431. S. J. Barclay. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 152, blk. M7. Lat. $34^{\circ}46'$, long. $102^{\circ}27'$. Drilled stock water-table well in sand, diameter 5 inches, depth 75 feet. Highest water level 66.11 below lsd, Sept. 16, 1937; lowest 77.75 below lsd, Jan. 23, 1952. Records available: 1937-52. No measurement made in 1953.

486. Mrs. G. S. Parker. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 28, blk. K8. Lat. $34^{\circ}51'$, long. $102^{\circ}30'$. Drilled irrigation water-table well in sand, diameter 24 inches, depth 210 feet. Highest water level 71.20 below lsd, Mar. 18, 1937; lowest 99.14 below lsd, Jan. 17, 1953. Records available: 1937-39, 1941-42, 1944-49, 1951-53. Jan. 17, 99.14.

502. Carl H. Schroeder. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 50, blk. K8. Lat. $34^{\circ}49'$, long. $102^{\circ}32'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 210 feet, cased 90-210. Highest water level 93.26 below lsd, Nov. 13, 1937; lowest 124.53 below lsd, Jan. 17, 1953. Records available: 1937-42, 1944-53. Jan. 17, 124.53.

506a. Alton Fraser. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 5, GCSL. Lat. $34^{\circ}48'$, long. $102^{\circ}33'$. Drilled farm water-table well in sand. Highest water level 81.29 below lsd, Mar. 9, 1948; lowest 89.19 below lsd, Jan. 17, 1953. Records available: 1948-53. Jan. 17, 89.19.

513a. A. E. Acton. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 174, blk. M7. Lat. $34^{\circ}45'$, long. $102^{\circ}30'$. Drilled irrigation water-table well in sand. Highest water level 81.38 below lsd, Mar. 9, 1948; lowest 92.25 below lsd, Jan. 6, 1953. Records available: 1948-49, 1951-53. Jan. 6, 92.25.

514. Howard Gault. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 173, blk. M7. Lat. $34^{\circ}45'$, long. $102^{\circ}30'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 178 feet. Highest water level 103.62 below lsd, Mar. 29, 1938; lowest 120.74 below lsd, Jan. 17, 1953. Records available: 1937-39, 1941, 1943-53. Jan. 17, 120.74.

934. L. O. Wilson. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 85, blk. M7. Lat. $34^{\circ}45'$, long. $102^{\circ}21'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet. Highest water level 93.60 below lsd, Feb. 26, 1946; lowest 110.78 below lsd, Jan. 16, 1953. Records available: 1945-53. Jan. 16, 110.78.

Dimmit County

N7-34. Byrd Cattle Co. Lat. $28^{\circ}38'$, long. $99^{\circ}51'$. Drilled unused artesian well in Carrizo sand, diameter 8 inches, depth 800 feet. Land-surface datum is 576.40 feet above msl. Highest water level 28.65 below lsd, July 24, 1931; lowest 88.64 below lsd, Sept. 10, 1953. Records available: 1929-53. Sept. 10, 88.64.

N8-19. E. L. Omera. Lat. $28^{\circ}35'$, long. $99^{\circ}49'$. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 800 feet. Land-surface datum is 602.60 feet above msl. Highest water level 56.75 below lsd, Aug. 15, 1931; lowest 111.20 below lsd, Apr. 18, 1930. Records available: 1929-33, 1937-43, 1947-53. Sept. 10, 104.86.

N8-26. G. C. Riha. Lat. $28^{\circ}34'$, long. $99^{\circ}47'$. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 818 feet. Land-surface datum is 548.80 feet above msl. Highest water level 30.80 below lsd, Sept. 28, 1931; lowest 196.50 below lsd, Sept. 12, 1951. Records available: 1929-41, 1943-46, 1948-52. No measurement made in 1953.

N8-103. Marrs McLean. Lat. $28^{\circ}30'$, long. $90^{\circ}41'$. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 780 feet. Land-surface datum is 501.60 feet above msl. Highest water level 10.10 below lsd, July 27, 1931; lowest 208.33 below lsd, Sept. 9, 1953. Records available: 1929-32, 1935-50, 1952-53. Sept. 9, 208.33.

N9-12. Federal Land Bank. Lat. $28^{\circ}34'$, long. $99^{\circ}35'$. Drilled irrigation artesian well in Carrizo sand, diameter 8 to 6 inches, depth 1,469 feet, cased to 1,469, perforations 1,185-1,469. Land-surface datum is 493.29 feet above msl. Highest water level 6.30 below lsd, July 28, 1931; lowest 150.6 below lsd, Sept. 9, 1953. Records available: 1929-43, 1948-53. Sept. 9, 150.6.

N9-25. Order of Calenthia. Lat. $28^{\circ}31'$, long. $99^{\circ}37'$. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 1,300 feet. Land-surface datum is 487.40 feet above msl. Highest water level 2.85 below lsd, May 27, 1931; lowest 180.1 below lsd, Sept. 9, 1953. Records available: 1929-33, 1935-40, 1944-46, 1948-53. Sept. 9, 180.1.

N9-33. P. J. Lewis. Lat. $28^{\circ}31'$, long. $99^{\circ}34'$. Drilled stock artesian well in Carrizo sand, diameter 6 to 5 inches, depth 1,524 feet, cased to 1,512, perforations 1,062-1,512. Highest water level 13.76 below lsd, Dec. 22, 1932; lowest 121.24 below lsd, Sept. 9, 1953. Records available: 1932, 1936-53. Sept. 9, 121.24.

O7-3. G. W. Hatch. Lat. 28°36', long. 99°26'. Drilled stock artesian well in Carrizo sand, diameter 12 inches, depth 1,800 feet. Land-surface datum is 604.15 feet above msl. Highest water level 90.10 below lsd, Oct. 5, 1931; lowest 193.08 below lsd, Sept. 9, 1953. Records available: 1929-51, 1953. Sept. 9, 193.08.

S1-16. C. W. Gilfillan & Son. Lat. 28°27', long. 99°53'. Drilled irrigation water-table well in Carrizo sand, diameter 10 inches, depth 295 feet. Land-surface datum is 669.20 feet above msl. Highest water level 54.90 below lsd, Mar. 1, 1930; lowest 69.75 below lsd, Sept. 10, 1953. Records available: 1930-33, 1935-46, 1948-49, 1951-53. Sept. 10, 69.75.

S1-18. J. C. Johnson. Lat. 28°22', long. 99°52'. Drilled unused water-table well in Carrizo sand, diameter 10 inches, depth 320 feet. Land-surface datum is 704.10 feet above msl. Highest water level 99.00 below lsd, Mar. 18, 1930; lowest 122.11 below lsd, Sept. 9, 1953. Records available: 1930-53. Oct. 23, 1952, 120.53; Sept. 9, 1953, 122.11.

S2-27. J. A. McDonald. Lat. 28°27', long. 99°42'. Drilled farm artesian well in Carrizo sand, diameter 8 inches, depth 1,000 feet. Land-surface datum is 528.35 feet above msl. Highest water level 39.00 below lsd, July 27, 1931; lowest 114.21 below lsd, Sept. 9, 1953. Records available: 1929-33, 1935-53. Sept. 9, 114.21.

S2-78. Mr. McClaren. Lat. 28°24', long. 99°43'. Drilled farm artesian well in Carrizo sand, diameter 12 inches, depth 1,000 feet. Land-surface datum is 636.55 feet above msl. Highest water level 143.20 below lsd, Aug. 4, 1941; lowest 278.25 below lsd, Sept. 9, 1953. Records available: 1929-33, 1935-53. Sept. 9, 278.25.

S2-102. J. P. Giles. Lat. 28°22', long. 99°40'. Drilled unused artesian well in Carrizo sand, diameter 10 inches, depth 1,185 feet. Land-surface datum is 581.95 feet above msl. Highest water level 98.85 below lsd, Sept. 29, 1931; lowest 148.50 below lsd, Mar. 19, 1930. Records available: 1929-33, 1935-53. Oct. 23, 1952, 129.80; Sept. 9, 1953, 137.94.

S5-5. Dolph Briscoe. Lat. 28°15', long. 99°48'. Drilled farm artesian well in Carrizo sand, diameter 12 to 10 inches, depth 1,374 feet, cased to 1,083. Land-surface datum is 612.70 feet above msl. Highest water level 62.67 below lsd, Aug. 14, 1937; lowest 119.80 below lsd, Sept. 9, 1953. Records available: 1929-33, 1936-53. Sept. 9, 119.80.

S5-10. Catarina Farms Co. Lat. 28°17', long. 99°40'. Drilled farm artesian well in Carrizo sand, diameter 10 inches, depth 1,615 feet. Land-surface datum is 571.20 feet above msl. Highest water level 75.13 below lsd, Aug. 27, 1936; lowest 159.35 below lsd, Sept. 9, 1953. Records available: 1929-33, 1935-39, 1944-53. Sept. 9, 159.35.

S6-4. O. V. Ray. Lat. 28°17', long. 99°40'. Drilled unused artesian well in Carrizo sand, diameter 10 inches, depth 1,432 feet. Land-surface datum is 482.26 feet above msl. Highest water level 1.05 below lsd, Mar. 21, 1933; lowest 45.70 below lsd, Sept. 9, 1953. Records available: 1928, 1930-33, 1935-53. Sept. 9, 45.70.

T1-5. R. W. Wilson. Lat. 28°27', long. 99°27'. Drilled irrigation artesian well in Carrizo sand, diameter 8 inches, depth 1,710 feet. Land-surface datum is 484.25 feet above msl. Highest water level flowing from May 27, 1931 to Mar. 24, 1932; lowest 64.34 below lsd, Sept. 12, 1951. Records available: 1930-34, 1936-41, 1943-51. Measurement discontinued.

Duval County

69. Juan Peralez. Lat. 27°46', long. 98°23'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 140 feet, cased to 10. Highest water level 67.07 below lsd, Feb. 6, 1950; lowest 76.74 below lsd, Feb. 12, 1947. Records available: 1933-41, 1943, 1945, 1947-50, 1952-53. Feb. 5, 72.85.

70. M. Cantu. Lat. 27°46', long. 98°23'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 110 feet. Highest water level 45.90 below lsd, Jan. 31, 1936; lowest 56.10 below lsd, Feb. 5, 1953. Records available: 1931, 1933-34, 1936-41, 1948-53. Feb. 5, 56.10.

71. Helena de Pena. Lat. 27°46', long. 98°24'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 110 feet, cribbed with brick. Highest water level 27.39 below lsd, Feb. 9, 1943; lowest 45.77 below lsd, Feb. 26, 1951. Records available: 1931, 1933-41, 1943, 1945, 1947-53. Feb. 5, 41.40.

73. Severo Ranjel. Lat. 27°47', long. 98°25'. Dug domestic water-table well in Goliad sand, diameter 5 feet, depth 40 feet, cribbed with rock. Highest water level 31.34 below lsd, Feb. 9, 1943; lowest 37.73 below lsd, Dec. 11, 1934. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 36.58.

143. Celidonio Ruiz. Benavides. Lat. 27°35', long. 98°24'. Dug farm water-table well in Goliad sand, diameter 36 inches, depth 45 feet, cribbed with rock and concrete. Highest water level 33.84 below lsd, Feb. 6, 1950; lowest 40.93 below lsd, Oct. 26, 1933. Records available: 1933-35, 1947-53. Feb. 5, 32.35.

157. Francisco Vaello. Lat. 27°34', long. 98°26'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 140 feet. Highest water level 89.52 below lsd, Mar. 7, 1945; lowest 93.55 below lsd, Apr. 13, 1935. Records available: 1933-41, 1945, 1948-53. Feb. 5, 89.18.

158. Marco Gomez. Lat. 27°34', long. 98°25'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 132 feet. Highest water level 92.00 below lsd, Feb. 9, 1943; lowest 96.14 below lsd, Feb. 5, 1934. Records available: 1933-41, 1943, 1945, 1948-53. Feb. 5, 92.25.

175. Mrs. Tom Cavanaugh. Lat. 27°35', long. 98°23'. Dug farm water-table well in Goliad sand, diameter 4 feet, depth 63 feet, cribbed with rock. Highest water level 42.55 below lsd, July 16, 1937; lowest 57.78 below lsd, Feb. 26, 1951. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 47.37.

183. Lazaro Vela. Lat. 27°39', long. 98°16'. Drilled farm water-table well in Goliad sand, diameter 7 inches, depth 80 feet. Highest water level 49.27 below lsd, Feb. 13, 1947; lowest 59.41 below lsd, Feb. 6, 1950. Records available: 1931, 1933-34, 1936-41, 1943, 1945, 1947-53. Feb. 5, 57.50.

184. Eusebio Alanis. Lat. 27°39', long. 98°16'. Dug farm water-table well, diameter 6 feet, depth 90 feet, cribbed with rock. Highest water level 37.89 below lsd, Feb. 7, 1952; lowest 48.40 below lsd, Dec. 12, 1934. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 42.85.

185. Cervando Saenz. Lat. 27°37', long. 98°17'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 90 feet. Highest water level 34.10 below lsd, Jan. 25, 1938; lowest 42.00 below lsd, May 25, 1931. Records available: 1931, 1933-41, 1943, 1945, 1947-53. Feb. 5, 35.02.

187. Ranchita Anjerlina. Lat. 27°36', long. 98°14'. Dug stock water-table well in Goliad sand, diameter 36 inches, depth 70 feet, cribbed with rock to 5. Highest water level 40.50 below lsd, May 25, 1931; lowest 49.88 below lsd, Aug. 22, 1933. Records available: 1931, 1933-35, 1937-41, 1943, 1945, 1948-53. Feb. 5, 46.41.

189. Pedro Lopez. Lat. 27°34', long. 98°18'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 100 feet. Highest water level 60.19 below lsd, Feb. 27, 1951; lowest 66.70 below lsd, Feb. 5, 1953. Records available: 1931, 1933-41, 1943, 1945, 1947, 1949-53. Feb. 5, 66.70.

190. Margarita Lopez. Lat. 27°34', long. 98°18'. Dug farm water-table well in Goliad sand, diameter 5 feet, depth 90 feet. Highest water level 37.05 below lsd, Sept. 28, 1933; lowest 45.02 below lsd, Oct. 6, 1939. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 43.73.

201. Maria Villareal de Saenz. Lat. 27°35', long. 98°16'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 125 feet, cased to 30. Highest water level 72.84 below lsd, Feb. 11, 1943; lowest 82.10 below lsd, Feb. 7, 1952. Records available: 1931, 1933-41, 1943, 1945-53. Feb. 5, 78.90.

203. N. E. Martinez. Lat. 27°24', long. 98°16'. Drilled farm artesian well in Goliad sand, diameter 4 inches, depth 200 feet. Highest water level 45.75 below lsd, Feb. 5, 1934; lowest 81.5 below lsd, Feb. 5, 1953. Records available: 1933-41, 1943, 1945-53. Feb. 5, 81.5.

211. J. Perez. Lat. 27°34', long. 98°21'. Drilled unused artesian well in Goliad sand, diameter 5 inches, depth 93 feet. Highest water level 35.68 below lsd, July 17, 1937; lowest 49.50 below lsd, May 29, 1931. Records available: 1931, 1933-41, 1943, 1947-53. Feb. 5, 42.24.

230. San Antonio Loan & Trust Co. Lat. 27°23', long. 98°31'. Dug farm water-table well in Goliad sand, diameter 4 feet, depth 65 feet. Highest water level 56.65 below lsd, Feb. 7, 1952; lowest 63.67 below lsd, Feb. 13, 1940. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 57.40.

271. J. Mann. Lat. 27°22', long. 98°28'. Drilled unused water-table well in Goliad sand, diameter 5 inches, depth 90 feet. Highest water level 71.11 below lsd, Jan. 26, 1938; lowest 89.01 below lsd, Feb. 5, 1953. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 89.01.

289. Adolfo Garcia. Lat. 27°20', long. 98°24'. Drilled farm water-table well in Goliad sand, diameter 4 inches, depth 80 feet. Highest water level 43.06 below lsd, July 17, 1937; lowest 48.58 below lsd, Feb. 5, 1953. Records available: 1933-41, 1943, 1945, 1947-53. Feb. 5, 48.58.

290. Andalias Garcia. Lat. 27°19', long. 98°24'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 100 feet. Highest water level 49.15 below lsd, Jan. 26, 1938; lowest 53.36 below lsd, Feb. 27, 1951. Records available: 1931, 1933-38, 1940-41, 1943, 1945, 1947-53. Feb. 5, 52.72.

297. San Antonio Loan & Trust Co. Lat. 27°17', long. 98°20'. Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 200 feet. Highest water level 51.01 below lsd, Jan. 27, 1938; lowest 76.52 below lsd, Feb. 7, 1952. Records available: 1931, 1933-41, 1943, 1945, 1947-53. Feb. 5, 54.57.

301. Virginia Garcia. Lat. 27°19', long. 98°20'. Drilled farm artesian well, diameter 6 inches, depth 280 feet. Highest water level 49.00 below lsd, Mar. 30, 1933; lowest 68.90 below lsd, Feb. 5, 1953. Records available: 1931, 1933-41, 1943, 1945, 1947-50, 1953. Feb. 5, 68.90.

315. Ruben Schultz. Lat. 27°18', long. 98°16'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 280 feet. Highest water level 42.43 below lsd, Nov. 9, 1943; lowest 58.37 below lsd, Feb. 27, 1951. Records available: 1932-39, 1941, 1943, 1945-53. Feb. 5, 51.62.

319. San Antonio Loan & Trust Co. Lat. 27°19', long. 98°15'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 340 feet. Highest water level 22.31 below lsd, Feb. 15, 1934; lowest 62.72 below lsd, Feb. 5, 1953. Records available: 1931, 1933-39, 1941, 1943, 1945-53. Feb. 5, 62.72.

322. Santona Hinojosa. Lat. 27°16', long. 98°17'. Drilled farm water-table well in Lissie formation (?), diameter 6 inches, depth 50 feet. Highest water level 36.16 below lsd, Jan. 27, 1938; lowest 81.33 below lsd, Feb. 5, 1953. Records available: 1932-41, 1943, 1945, 1947-51, 1953. Feb. 5, 81.33.

El Paso County

30a. El Paso city well 14. San Antonio and Walnut Sts. Lat. 31°46', long. 106°27'. Drilled public-supply water-table well in bolson deposits, diameter 24 to 13 inches, depth 703 feet. Land-surface datum is 3,701.91 feet above msl. Highest water level 23.23 below lsd, Jan. 4, 1951; lowest 43.90 below lsd, May 22, 1943. Records available: 1937-48, 1950-53. Jan. 6, 26.55.

32a. El Paso city well 17. San Antonio and Tornillo Sts. Lat. 31°45', long. 106°28'. Drilled public-supply water-table well in bolson deposits, diameter 12 to 5 inches, depth 750 feet. Land-surface datum is 3,705.11 feet above msl. Highest water level 27.22 below lsd, Jan. 4, 1951; lowest 44.65 below lsd, June 26, 1946. Records available: 1939-40, 1942-48, 1950-53. Jan. 6, 29.61.

42. El Paso city well 9. Luna and Pera Sts. Lat. 31°46', long. 106°27'. Drilled public-supply water-table well in sand, diameter 24 to 12 inches, depth 802 feet. Land-surface datum is 3,700.27 feet above msl. Highest water level 21.11 below lsd, Dec. 22, 1934; lowest 42.68 below lsd, July 26, 1951. Records available: 1934-40, 1942-48, 1950-53. Jan. 6, 35.79.

48b. El Paso city test well 33. River end of Val Verde St. Lat. 31°45', long. 106°25'. Drilled observation water-table well in bolson deposits, diameter 4 inches, depth 622 feet. Land-surface datum is 3,696.37 feet above msl. Highest water level 17.63 below lsd, Jan. 22, 1951; lowest 32.25 below lsd, June 23, 1953. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	20.89	Apr. 22	23.98	July 24	32.16	Oct. 23	25.15
Feb. 25	20.77	May 23	26.99	Aug. 23	32.04	Nov. 23	23.50
Mar. 23	21.59	June 23	32.25	Sept. 23	26.79	Dec. 23	23.44

49. El Paso city well 4. Lat. 31°46', long. 106°26'. Drilled public-supply water-table well in bolson deposits, diameter 24 to 13 inches, depth 882 feet, casing slotted 465-882. Land-surface datum is 3,743.76 feet above msl. Highest water level 35.26 below lsd, Jan. 12, 1953; lowest 84.01 below lsd, Sept. 29, 1945. Records available: 1934-35, 1937-48, 1950-53. Jan. 12, 35.26.

52. El Paso city well 3. Montana and Chelsea Sts. Lat. $31^{\circ}46'$, long. $106^{\circ}25'$. Drilled public-supply water-table well in bolson deposits, diameter 26 inches, depth 862 feet. Land-surface datum is 3,780.56 feet above msl. Highest water level 96.23 below lsd, Sept. 12, 1935; lowest 138.41 below lsd, July 26, 1951. Records available: 1934-48, 1950-53. Jan. 6, 107.20.

55. The Texas Co. Lat. $31^{\circ}46'$, long. $106^{\circ}24'$. Drilled industrial water-table well in sand, diameter 16 inches, depth 694 feet. Land-surface datum is 3,715.87 feet above msl. Highest water level 42.16 below lsd, Apr. 9, 1936; lowest 59.70 below lsd, Aug. 26, 1952. Records available: 1929, 1935-53. Jan. 6, 53.45.

64. City of El Paso and U. S. Geol. Survey test well 1. Lat. $31^{\circ}47'$, long. $106^{\circ}23'$. Drilled observation artesian well in bolson deposits, diameter 6 to 2 inches, depth 600 feet, cased to 441. Land-surface datum is 3,942.88 feet above msl. Highest water level 260.21 below lsd, Sept. 15, 1936; lowest 271.95 below lsd, Dec. 23, 1953. Records available: 1936-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	270.21	Apr. 22	270.09	July 24	270.10	Oct. 23	271.01
Feb. 25	270.93	May 23	270.29	Aug. 23	271.04	Nov. 23	271.60
Mar. 23	269.95	June 23	270.61	Sept. 23	271.19	Dec. 23	271.95

72. U. S. Dept. of the Army, Fort Bliss well 2. Lat. $31^{\circ}48'$, long. $106^{\circ}25'$. Drilled public-supply artesian well in bolson deposits, diameter 10 inches, depth 652 feet. Land-surface datum is 3,884.14 feet above msl. Highest water level 212.96 below lsd, Dec. 13, 1935; lowest 245.05 below lsd, Aug. 26, 1943. Records available: 1935-48, 1950, 1952-53. Jan. 6, 230.05.

75b. El Paso city test well 10. Lat. $31^{\circ}49'$, long. $106^{\circ}24'$. Drilled observation artesian well in bolson deposits, diameter 8 inches, depth 1,117 feet. Land-surface datum is 3,879.15 feet above msl. Highest water level 203.50 below lsd, Jan. 15, 1939; lowest 225.25 below lsd, July 24, 1953. Records available: 1938-53.

Jan. 24	221.39	Apr. 22	224.02	July 24	225.25	Oct. 23	222.54
Feb. 25	221.09	May 23	224.51	Aug. 23	223.48	Nov. 23	221.93
Mar. 23	221.80	June 23	223.80	Sept. 23	223.94	Dec. 23	221.80

76. City of El Paso and U. S. Geol. Survey test well 2. Lat. $31^{\circ}49'$, long. $106^{\circ}23'$. Drilled observation artesian well in bolson deposits, diameter 2 inches, depth 600 feet, cased to 416. Land-surface datum is 3,919.40 feet above msl. Highest water level 234.73 below lsd, Sept. 21, 1938; lowest 261.50 below lsd, Sept. 23, 1953. Records available: 1936-53.

Jan. 24	254.90	Apr. 22	257.13	July 24	256.63	Oct. 23	255.89
Feb. 25	254.37	May 23	258.18	Aug. 23	259.59	Nov. 23	255.35
Mar. 23	255.69	June 23	260.32	Sept. 23	261.50	Dec. 23	254.10

77. El Paso city well 12. Lat. $31^{\circ}49'$, long. $106^{\circ}24'$. Drilled public-supply artesian well in bolson deposits, diameter 20 to 12 inches, depth 776 feet, casing slotted below 290. Land-surface datum is 3,879.78 feet above msl. Highest water level 198.72 below lsd, Dec. 16, 1935; lowest 231.79 below lsd, June 25, 1943. Records available: 1935-40, 1942-53. Jan. 7, 224.43.

78c. El Paso city test well 4. Lat. $31^{\circ}50'$, long. $106^{\circ}25'$. Drilled observation artesian well in sand, diameter 6 inches, depth 800 feet. Land-surface datum is 3,869.34 feet above msl. Highest water level 188.23 below lsd, Feb. 24, 1939; lowest 201.90 below lsd, Jan. 8, 1953. Records available: 1937-53. Jan. 8, 201.90.

112. El Paso city well 32. Lat. $31^{\circ}49'$, long. $106^{\circ}25'$. Drilled unused artesian well in bolson deposits, diameter 8 inches, depth 606 feet. Land-surface datum is 3,869.77 feet above msl. Highest water level 192.80 below lsd, Dec. 16, 1935; lowest 220.09 below lsd, July 7, 1949. Records available: 1935-53. Jan. 7, 216.13.

128c. El Paso city well 23. Lat. $31^{\circ}51'$, long. $106^{\circ}25'$. Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 1,257 feet, cased to 385. Land-surface datum is 3,881.61 feet above msl. Highest water level 152.64 below lsd, Feb. 5, 1940; lowest 209.46 below lsd, June 3, 1952. Records available: 1939-53. Jan. 8, 209.24.

136. City of El Paso and U. S. Geol. Survey test well 3. Lat. $31^{\circ}54'$, long. $106^{\circ}24'$. Drilled observation artesian well in bolson deposits, diameter 6 to 2 inches, depth 500 feet, cased to 335. Land-surface datum is 3,944.11 feet above msl. Highest water level 244.11 below lsd, Jan. 20, 1937; lowest 254.36 below lsd, Sept. 23, 1953. Records available: 1936-53.

Jan. 24	251.05	Apr. 22	251.70	July 24	253.14	Oct. 23	254.06
Feb. 25	250.98	May 23	251.72	Aug. 23	254.29	Nov. 23	252.99
Mar. 23	251.32	June 23	252.90	Sept. 23	254.36	Dec. 23	253.29

139a. El Paso city test well 29. Lat. $31^{\circ}57'$, long. $106^{\circ}25'$. Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 567 feet. Land-surface datum is 4,046.22 feet above msl. Highest water level 335.60 below lsd, Apr. 23, 1940; lowest 340.31 below lsd, Nov. 23, 1942. Records available: 1940-45, 1947-53. Jan. 8, 339.14.

143a. El Paso city test well 30. Lat. $31^{\circ}56'$, long. $106^{\circ}25'$. Drilled observation artesian well in bolson deposits, diameter 4 inches, depth 520 feet. Land-surface datum is 4,041.19 feet above msl. Highest water level 315.87 below lsd, Aug. 21, 1941; lowest 319.87 below lsd, Dec. 24, 1942. Records available: 1940-45, 1947-53. Jan. 8, 318.63.

Floyd County

5. M. C. Scheele. SW. cor. sec. 127, blk. D2. Lat. $34^{\circ}16'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 48.00 below lsd, Apr. 28, 1937; lowest 66.09 below lsd, Jan. 7, 1953. Records available: 1936-53. Jan. 7, 66.09.

20. Tom McGehee. $SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$ sec. 26, blk. B4. Lat. $34^{\circ}17'$, long. $101^{\circ}25'$. Drilled irrigation water-table well in sand, diameter 14 to 12 inches, depth 215 feet, cased to 215. Highest water level 80.0 below lsd, Aug. 1936; lowest 105.21 below lsd, Jan. 7, 1953. Records available: 1936, 1947-53. Jan. 7, 105.21.

21. W. T. Rankin. $SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$ sec. 3, blk. C9. Lat. $34^{\circ}16'$, long. $101^{\circ}25'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 87.22 below lsd, Mar. 7, 1947; lowest 102.21 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 102.21.

32. Frank Whitfill. $NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$ sec. 12, blk. C9. Lat. $34^{\circ}15'$, long. $101^{\circ}24'$. Drilled irrigation water-table well in sand, diameter 16 to 10 inches, depth 215 feet. Highest water level 89.22 below lsd, Jan. 3, 1939; lowest 111.02 below lsd, Jan. 7, 1953. Records available: 1937-43, 1945-53. Jan. 7, 111.02.

42. D. Jackson. NW. cor. $SW\frac{1}{4}$ sec. 14, blk. C9. Lat. $34^{\circ}14'$, long. $101^{\circ}26'$. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 196 feet. Highest water level 77.95 below lsd, Mar. 7, 1947; lowest 90.44 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 90.44.

53. Ben Quebe. $NW\frac{1}{4}SE\frac{1}{4}$ sec. 99, blk. D2. Lat. $34^{\circ}13'$, long. $101^{\circ}32'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 205 feet. Highest water level 49.88 below lsd, June 3, 1937; lowest 72.85 below lsd, Jan. 7, 1953. Records available: 1937, 1940, 1947-50, 1952-53. Jan. 7, 72.85.

55. Ben Quebe. $SW\frac{1}{4}NE\frac{1}{4}$ sec. 89, blk. D2. Lat. $34^{\circ}13'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, depth 200 feet. Highest water level 59.14 below lsd, June 3, 1937; lowest 83.80 below lsd, Jan. 6, 1953. Records available: 1937, 1940, 1947-50, 1952-53. Jan. 6, 83.80.

56. Ben Quebe. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 100, blk. D2. Lat. $34^{\circ}13'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 212 feet. Highest water level 59.00 below lsd, Mar. 23, 1940; lowest 79.54 below lsd, Jan. 6, 1953. Records available: 1940, 1947-50, 1952-53. Jan. 6, 79.54.

57. T. L. Wilhite. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 87, blk. D2. Lat. $34^{\circ}13'$, long. $101^{\circ}29'$. Drilled unused water-table well in sand. Highest water level 60.10 below lsd, May 3, 1937; lowest 86.82 below lsd, Jan. 6, 1953. Records available: 1936-53. Jan. 6, 86.82.

106. M. W. Alford. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 65, blk. D2. Lat. $34^{\circ}11'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, diameter 24 inches, depth 286 feet. Highest water level 53.0 below lsd, Mar. 14, 1916; lowest 90.41 below lsd, Jan. 6, 1953. Records available: 1916, 1934, 1937-46, 1948-53. Jan. 6, 90.41.

108. Ivan Thompson. NW. cor. $SE\frac{1}{4}$ sec. 65, blk. D2. Lat. $34^{\circ}11'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 278 feet, cased to 276. Highest water level 49.5 below lsd, Jan. 3, 1914; lowest 90.70 below lsd, Jan. 6, 1953. Records available: 1914, 1938-53. Jan. 6, 90.70.

110. Ivan Thompson. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. D2. Lat. 34°10', long. 101°31'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 281 feet. Highest water level 55.32 below lsd, Oct. 28, 1937; lowest 85.88 below lsd, Jan. 6, 1953. Records available: 1937, 1947-53. Jan. 6, 85.88.
111. Texas Land & Development Co. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 65, blk. D2. Lat. 34°11', long. 101°32'. Drilled unused water-table well in sand, diameter 26 to 10 inches, depth 269 feet, cased to 269. Highest water level 46.0 below lsd, 1914; lowest 86.35 below lsd, Jan. 6, 1953. Records available: 1914, 1936-53. Jan. 6, 86.35.
112. C. R. Roach. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, blk. D5. Lat. 34°10', long. 101°32'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 281 feet, cased to 267. Highest water level 48.5 below lsd, Feb. 2, 1914; lowest 86.68 below lsd, Jan. 6, 1953. Records available: 1914, 1936-53. Jan. 6, 86.68.
120. Francis Carthel. NW. cor. sec. 1, blk. D5. Lat. 34°10', long. 101°28'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 210 feet, cased to 80. Highest water level 57.84 below lsd, Feb. 27, 1939; lowest 102.71 below lsd, Jan. 7, 1953. Records available: 1937-53. Jan. 7, 102.71.
138. John Carthel. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 49, blk. D2. Lat. 24°09', long. 101°27'. Drilled irrigation water-table well in sand, diameter 11 inches, depth 201 feet, cased 60-104. Highest water level 85.67 below lsd, Mar. 17, 1947; lowest 119.41 below lsd, Jan. 7, 1953. Records available: 1947-49, 1951-53. Jan. 7, 119.41.
139. L. R. Collis. SE. cor. sec. 2, blk. D5. Lat. 34°09', long. 101°28'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 216 feet. Highest water level 52.74 below lsd, Apr. 17, 1934; lowest 114.99 below lsd, Jan. 7, 1953. Records available: 1914, 1934, 1937-38, 1941-53. Jan. 7, 114.99.
140. C. Williams. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, blk. D5. Lat. 34°09', long. 101°28'. Drilled irrigation water-table well in sand, depth 292 feet. Highest water level 46.5 below lsd, 1914; lowest 104.27 below lsd, Jan. 7, 1953. Records available: 1914, 1938-53. Jan. 7, 104.27.
143. Plainview-Lockney Farms. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. D5. Lat. 34°09', long. 101°30'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 274 feet, cased to 274. Highest water level 51.2 below lsd, 1914; lowest 107.56 below lsd, Jan. 6, 1953. Records available: 1914-15, 1936-37, 1948-50, 1952-53. Jan. 6, 107.56.
157. Texas Land & Development Co. NW. cor. sec. 10, blk. D5. Lat. 34°09', long. 101°32'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 286 feet. Highest water level 47.0 below lsd, Feb. 29, 1916; lowest 98.28 below lsd, Jan. 6, 1953. Records available: 1916, 1934, 1937-53. Jan. 6, 98.28.
161. Texas Land & Development Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. D5. Lat. 34°08', long. 101°31'. Drilled irrigation water-table well in sand, 24 to 12 inches, depth 278 feet, cased to 278. Highest water level 50.0 below lsd, 1914; lowest 108.23 below lsd, Jan. 6, 1953. Records available: 1914, 1936-53. Jan. 6, 108.23.
185. Joe Anderson. Center west line sec. 64, blk. D2. Lat. 34°11', long. 101°31'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 303 feet. Highest water level 66.07 below lsd, Oct. 22, 1945; lowest 93.77 below lsd, Jan. 6, 1953. Records available: 1945, 1947-53. Jan. 6, 93.77.
186. W. E. Whitfill. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 64, blk. D2. Lat. 34°11', long. 101°30'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 194 feet. Highest water level 61.0 below lsd, 1940; lowest 99.43 below lsd, Jan. 6, 1953. Records available: 1940, 1947-49, 1952-53. Jan. 6, 99.43.
216. Billie Staniforth. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 82, blk. GM. Lat. 34°12', long. 101°15'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 410 feet, cased to 370. Highest water level 192.04 below lsd, Aug. 14, 1939; lowest 196.46 below lsd, Jan. 9, 1953. Records available: 1939, 1947-53. Jan. 9, 196.46.
263. Ewald Quebe. Lat. 34°13', long. 101°30'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 255 feet. Highest water level 77.92 below lsd, Mar. 7, 1947; lowest 97.40 below lsd, Jan. 6, 1953. Records available: 1947-51, 1953. Jan. 6, 97.40.
264. H. F. Quebe. Lat. 34°14', long. 101°31'. Drilled irrigation water-table well in sand, depth 220 feet. Highest water level 58.82 below lsd, Mar. 7, 1947; lowest 77.68 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 77.68.

265. G. B. Johnston. Lat. $34^{\circ}14'$, long. $101^{\circ}25'$. Drilled irrigation water-table well in sand, depth 201 feet. Highest water level 81.56 below lsd, Mar. 7, 1947; lowest 95.41 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 95.41.

326. W. C. Simms. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 68, blk. 1. Lat. $33^{\circ}59'$, long. $101^{\circ}17'$. Drilled unused water-table well in sand, diameter 14 inches, depth 310 feet. Highest water level 147.20 below lsd, Mar. 9, 1948; lowest 150.13 below lsd, Jan. 12, 1953. Records available: 1937, 1939-43, 1945-53. Jan. 12, 150.13.

409. A. V. and J. H. Campbell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, blk. M. Lat. $34^{\circ}06'$, long. $101^{\circ}31'$. Drilled irrigation water-table well in sand, diameter 18 to 10 inches, depth 278 feet. Highest water level 44.5 below lsd, Apr. 2, 1914; lowest 103.82 below lsd, Jan. 10, 1953. Records available: 1914, 1936-43, 1945-50, 1953. Jan. 10, 103.82.

410a. W. C. McCrede. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 44, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}32'$. Drilled irrigation water-table well in sand. Highest water level 67.80 below lsd, Mar. 2, 1948; lowest 96.73 below lsd, Jan. 8, 1953. Records available: 1948-49, 1952-53. Jan. 8, 96.73.

414. Mrs. Harriet B. Robbins. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 46, blk. D6. Lat. $34^{\circ}08'$, long. $101^{\circ}30'$. Drilled irrigation water-table well in sand, depth 227 feet. Highest water level 49.5 below lsd, July 1913; lowest 117.37 below lsd, Jan. 8, 1953. Records available: 1913-14, 1938-45, 1949-50, 1952-53. Jan. 8, 117.37.

416. J. R. Belt, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 46, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}30'$. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 213 feet. Highest water level 48.2 below lsd, Aug. 1913; lowest 118.29 below lsd, Jan. 8, 1953. Records available: 1913-14, 1938-50, 1953. Jan. 8, 118.29.

420. Walter Gloyna. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 47, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Drilled irrigation water-table well in sand. Highest water level 85.00 below lsd, Mar. 17, 1947; lowest 122.21 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 122.21.

421. J. R. Belt, Jr. NW. cor. sec. 48, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 260 feet. Highest water level 50.0 below lsd, Dec. 11, 1913; lowest 115.48 below lsd, Jan. 8, 1953. Records available: 1913-14, 1934, 1936-53. Jan. 8, 115.48.

423. Judson Jones. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 48, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Drilled irrigation water-table well in sand, diameter 20 to 12 inches, depth 270 feet. Highest water level 45.8 below lsd, Apr. 19, 1915; lowest 109.08 below lsd, Jan. 8, 1953. Records available: 1915, 1947-53. Jan. 8, 109.08.

428a. W. L. Thomas Estate. NW. cor. F. Griggs survey. Lat. $34^{\circ}05'$, long. $101^{\circ}29'$. Drilled irrigation water-table well in sand. Highest water level 82.45 below lsd, Mar. 7, 1949; lowest 96.25 below lsd, Jan. 11, 1952. Records available: 1949-52. Measurement discontinued.

435. W. M. Summerlin. Center of L. C. Reed survey. Lat. $34^{\circ}06'$, long. $101^{\circ}27'$. Drilled irrigation water-table well in sand, diameter 22 inches, depth 200 feet. Highest water level 57.06 below lsd, Nov. 16, 1937; lowest 117.21 below lsd, Jan. 7, 1953. Records available: 1937-43, 1946-53. Jan. 7, 117.21.

442. Solon Clements. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 51, blk. D3. Lat. $34^{\circ}07'$, long. $101^{\circ}24'$. Drilled unused water-table well in sand, diameter 8 inches, depth 61 feet. Highest water level 23.78 below lsd, Dec. 20, 1941; lowest 40.00 below lsd, Mar. 11, 1941. Records available: 1937-46, 1948-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.93	36.16	36.44	36.75	36.98	37.18	37.35	36.73	36.25	35.94	.....
2	35.93	36.20	36.46	36.77	36.98	37.19	37.34	36.71	36.23	35.92	.....
3	35.64	36.24	36.47	36.78	36.99	37.19	37.34	36.69	36.22	35.92	.....
4	35.94	36.26	36.47	36.79	37.00	37.20	37.34	36.69	36.21	35.92	.....
5	35.94	36.26	36.47	36.79	37.01	37.21	37.31	36.66	36.19	35.89	.....
6	35.96	36.24	36.48	36.79	37.01	37.22	37.31	36.66	36.17	35.87	.....
7	35.97	36.28	36.48	36.80	37.02	37.22	37.30	36.64	36.14	35.87	.....
8	35.96	36.30	36.50	36.80	37.03	37.23	37.28	36.62	36.12	35.88	.....
9	35.98	36.29	36.54	36.80	37.04	37.24	37.22	36.61	36.09	35.87	.....
10	36.04	36.28	36.53	36.82	37.06	37.33	37.18	36.58	36.07	35.85	.....
11	36.03	36.29	36.53	36.84	37.06	37.33	37.15	36.57	36.05	35.85	.....
12	36.03	36.32	36.56	36.86	37.06	37.32	37.13	36.54	36.05	35.83	.....
13	36.04	36.30	36.59	36.86	37.06	37.32	37.08	36.51	36.03	35.81	.....
14	36.04	36.32	36.59	36.86	37.07	37.32	37.06	36.50	36.03	35.78	.....
15	35.78	36.03	36.35	36.59	36.86	37.08	37.33	36.98	36.49	36.02	35.77	.....

442--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	35.78	36.06	36.36	36.59	36.86	37.09	37.33	36.96	36.46	36.01	35.76	.....
17	35.77	36.09	36.34	36.58	36.87	37.11	37.33	36.95	36.44	36.01	.....	.....
18	35.77	36.06	.....	36.63	36.87	37.12	37.34	36.92	36.41	36.01	.....	.....
19	35.80	36.07	.....	36.63	36.88	37.12	37.37	36.90	36.41	36.01	.....	.....
20	35.82	36.12	36.35	36.63	36.89	37.13	37.37	36.89	36.38	35.98	.....	.....
21	35.79	36.14	36.38	36.63	36.90	37.14	37.38	36.89	36.38	35.98	.....	.....
22	35.80	36.14	36.40	36.64	36.91	37.14	37.38	36.91	36.38	35.98	.....	.....
23	35.84	36.13	36.42	36.65	36.92	37.14	37.38	36.90	36.33	35.98	.....	.....
24	35.85	36.15	36.40	36.65	36.93	37.15	37.38	36.88	36.33	35.97	.....	.....
25	35.86	36.15	36.39	36.67	36.94	37.17	37.38	36.86	36.33	35.95	.....	.....
26	35.86	36.17	36.39	36.71	36.95	37.17	37.38	36.85	36.31	35.96	.....	.....
27	35.87	36.17	36.41	36.71	36.97	37.17	37.38	36.83	36.30	35.95	.....	.....
28	35.89	36.17	36.40	36.68	36.98	37.17	37.38	36.81	36.26	35.95	.....	.....
29	35.88	.....	36.40	36.68	36.98	37.18	37.38	36.80	36.25	35.94	.....	.....
30	35.89	.....	36.40	36.73	36.98	37.18	37.38	36.78	36.26	35.94	.....	.....
31	35.91	.....	36.43	.....	36.98	.....	37.37	36.76	.....	35.94	.....	.....

448. Buck Sams. NW. cor. sec. 74, blk. G. Lat. $34^{\circ}06'$, long. $101^{\circ}26'$. Drilled irrigation water-table well in sand, diameter 18 to 14 inches, depth 289 feet. Highest water level 48.57 below lsd, May 2, 1940; lowest 102.61 below lsd, Jan. 7, 1953. Records available: 1940, 1947-53. Jan. 7, 102.61.

459. Texas Land & Development Co. Lat. $34^{\circ}04'$, long. $101^{\circ}30'$. Drilled irrigation water-table well in sand, diameter 26 to 11 inches, depth 310 feet. Highest water level 43.0 below lsd, 1917; lowest 89.28 below lsd, Jan. 9, 1953. Records available: 1917, 1934, 1937-53. Jan. 9, 89.28.

463. Sam Moore. NW. cor. sec. 14, blk. N. Lat. $34^{\circ}05'$, long. $101^{\circ}32'$. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 268 feet, cased to 264. Highest water level 44.53 below lsd, Apr. 16, 1934; lowest 96.68 below lsd, Jan. 8, 1953. Records available: 1915, 1934, 1937-49, 1951-53. Jan. 8, 96.68.

467. C. J. Barnard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, blk. N. Lat. $34^{\circ}03'$, long. $101^{\circ}33'$. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 300 feet. Highest water level 36.32 below lsd, Jan. 8, 1938; lowest 76.48 below lsd, Jan. 8, 1953. Records available: 1937-49, 1951-53. Jan. 8, 76.48.

472. Texas Land & Development Co. Lat. $34^{\circ}04'$, long. $101^{\circ}30'$. Drilled unused water-table well in sand, 26 to 10 inches, depth 293 feet. Highest water level 47.06 below lsd, June 28, 1938; lowest 87.58 below lsd, Jan. 9, 1953. Records available: 1938-53. Jan. 9, 87.58.

478. T. B. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 57, blk. G. Lat. $34^{\circ}03'$, long. $101^{\circ}28'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 280 feet. Highest water level 63.71 below lsd, Mar. 18, 1947; lowest 96.05 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 96.05.

486. Mrs. M. E. Morris. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 53, blk. O. Lat. $34^{\circ}03'$, long. $101^{\circ}23'$. Drilled unused water-table well in sand, diameter 6 inches, depth 59 feet. Highest water level 28.86 below lsd, Mar. 10, 1942; lowest 37.92 below lsd, Feb. 19, 1950. Records available: 1937-53. Jan. 9, 36.50.

493. Henry Schacht. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. D6. Lat. $34^{\circ}07'$, long. $101^{\circ}29'$. Drilled irrigation water-table well in sand, diameter 18 to 16 inches, depth 275 feet, cased to 275. Highest water level 78.26 below lsd, Oct. 27, 1945; lowest 121.36 below lsd, Jan. 8, 1953. Records available: 1945, 1947-53. Jan. 8, 121.36.

510. W. R. Crow. Lat. $34^{\circ}01'$, long. $101^{\circ}30'$. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 309 feet. Highest water level 39.88 below lsd, Dec. 2, 1937; lowest 72.87 below lsd, Jan. 9, 1953. Records available: 1937-53. Jan. 9, 72.87.

511. T. B. Mitchell. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 48, blk. G. Lat. $34^{\circ}02'$, long. $101^{\circ}28'$. Drilled irrigation water-table well in sand, diameter 14 to 12 inches, depth 240 feet, cased to 190. Highest water level 46.06 below lsd, Nov. 17, 1937; lowest 81.95 below lsd, Jan. 14, 1952. Records available: 1937, 1947-49, 1951-52. No measurement made in 1953.

519. J. L. Faulkner. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 44, blk. G. Lat. $33^{\circ}59'$, long. $101^{\circ}27'$. Drilled stock water-table well in sand, diameter 6 inches. Highest water level 48.09 below lsd, May 8, 1936; lowest 66.38 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 66.38.

525. W. Fry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 52, blk. G. Lat. 34°02', long. 101°24'. Drilled unused water-table well in sand, diameter 22 inches, depth 298 feet. Highest water level 36.75 below lsd, July 20, 1943; lowest 49.23 below lsd, Feb. 18, 1950. Records available: 1937-52. Measurement discontinued.

529. Panhandle & Santa Fe Railway Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 63, blk. 1. Lat. 34°00', long. 101°20'. Drilled stock water-table well in sand, diameter 6 inches, depth 138 feet. Highest water level 109.49 below lsd, Feb. 1, 1944; lowest 110.88 below lsd, Mar. 11, 1942. Records available: 1937-40, 1942-53. Jan. 9, 109.75.

542. R. B. Gary. SW. cor. sec. 8, blk. K. Lat. 33°56', long. 101°31'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 325 feet, cased to 325. Highest water level 64.39 below lsd, Aug. 3, 1937; lowest 89.62 below lsd, Jan. 10, 1953. Records available: 1939, 1947-53. Jan. 10, 89.62.

562. H. W. Carver. Lat. 33°52', long. 101°21'. Drilled farm water-table well in sand, diameter 4 inches, depth 164 feet. Highest water level 132.18 below lsd, Mar. 11, 1942; lowest 151.29 below lsd, Jan. 10, 1953. Records available: 1937, 1945-46, 1948-53. Jan. 10, 151.29.

630. L. Ferguson. SW. cor. sec. 58, blk. D2. Lat. 34°11', long. 101°25'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 216 feet. Highest water level 98.77 below lsd, Mar. 17, 1947; lowest 121.72 below lsd, Jan. 7, 1953. Records available: 1947-50, 1952-53. Jan. 7, 121.72.

652. Buck Sams. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 72, blk. G. Lat. 34°05', long. 101°28'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 298 feet. Highest water level 65.76 below lsd, Mar. 19, 1947; lowest 102.51 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 102.51.

663. Chester Mitchell. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 56, blk. G. Lat. 34°03', long. 101°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 280 feet, cased to 275. Highest water level 57.0 below lsd, 1945; lowest 98.01 below lsd, Jan. 9, 1953. Records available: 1945, 1947-53. Jan. 9, 98.01.

704. Lee Trice. NW. cor. sec. 14, blk. G2. Lat. 33°58', long. 101°23'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 331 feet. Highest water level 90.03 below lsd, Mar. 17, 1947; lowest 110.00 below lsd, Jan. 10, 1953. Records available: 1945, 1947-53. Jan. 10, 110.00.

726. Wesley Carr. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, blk. K. Lat. 33°54', long. 101°33'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 380 feet. Highest water level 58.65 below lsd, Oct. 13, 1945; lowest 82.69 below lsd, Feb. 17, 1950. Records available: 1945, 1947-53. Jan. 10, 80.28.

727. T. B. Mitchell. Lat. 34°03', long. 101°28'. Drilled irrigation water-table well in sand. Highest water level 58.90 below lsd, Mar. 18, 1947; lowest 87.68 below lsd, Jan. 9, 1953. Records available: 1947-49, 1951-53, Jan. 9, 87.68.

728. R. C. Mitchell. Lat. 34°02', long. 101°27'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet. Highest water level 61.88 below lsd, Mar. 18, 1947; lowest 94.52 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 94.52.

729. Floyd Trowbridge. Lat. 33°55', long. 101°32'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 388 feet. Highest water level 75.41 below lsd, Mar. 18, 1947; lowest 88.88 below lsd, Jan. 10, 1953. Records available: 1947-49, 1951-53. Jan. 10, 88.88.

730. Raymond Williams. Lat. 33°57', long. 101°22'. Drilled irrigation water-table well in sand, depth 360 feet. Highest water level 108.83 below lsd, Mar. 17, 1947; lowest 134.73 below lsd, Feb. 18, 1950. Records available: 1947-53. Jan. 10, 126.78.

Fort Bend County

7. C. C. Cardiff well 1. Lat. 29°44', long. 95°50'. Drilled stock artesian well in sand, diameter 24 to 6 inches, depth 337 feet. Highest water level 53.21 below lsd, Mar. 3, 1931; lowest 79.46 below lsd, Nov. 19, 1953. Records available: 1931, 1933, 1939-53. Mar. 25, 73.86; Nov. 19, 79.46.

11. P. V. Cook well 3. Lat. 29°45', long. 95°50'. Drilled irrigation artesian well in sand, diameter 28 to 12 inches, depth 170 feet. Highest water level 46.46 below lsd, Mar. 18, 1933; lowest 73.19 below lsd, Nov. 23, 1953. Records available: 1932-33, 1939-40, 1942-53. Mar. 25, 69.87; Nov. 23, 73.19.

15. P. V. Cook well 1. Lat. $29^{\circ}44'$, long. $95^{\circ}51'$. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 172 feet. Highest water level 50.80 below lsd, May 15, 1931; lowest 74.55 below lsd, Mar. 11, 1952. Records available: 1931-33, 1939-52. No measurement made in 1953.
17. Mrs. H. L. Gordon. Lat. $25^{\circ}42'$, long. $95^{\circ}49'$. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 586 feet. Highest water level 51.88 below lsd, Mar. 17, 1942; lowest 73.61 below lsd, Nov. 13, 1951. Records available: 1940-52. No measurement made in 1953.
20. L. Pauli. Lat. $29^{\circ}42'$, long. $95^{\circ}47'$. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 250 feet. Highest water level 34.00 below lsd, Mar. 18, 1933; lowest 64.65 below lsd, Nov. 13, 1951. Records available: 1931, 1933, 1939-53. Mar. 25, 59.42.
21. L. Pauli. Lat. $29^{\circ}41'$, long. $95^{\circ}48'$. Drilled irrigation artesian well in sand, diameter 36 to 10 inches, depth 250 feet. Highest water level 39.40 below lsd, Mar. 24, 1931; lowest 69.18 below lsd, Nov. 21, 1952. Records available: 1931-33, 1939-40, 1942-53. Mar. 25, 61.38; Nov. 19, 67.81.
26. C. Pillot well 1. Lat. $29^{\circ}41'$, long. $95^{\circ}41'$. Drilled unused artesian well in sand, diameter 26 to 12 inches, depth 657 feet. Highest water level 25.15 below lsd, Mar. 25, 1953; lowest 51.28 below lsd, Nov. 13, 1951. Records available: 1939-53. Mar. 25, 25.15.
29. C. Pillot well 2. Lat. $29^{\circ}41'$, long. $95^{\circ}44'$. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 500 feet, casing slotted opposite sands below 85. Highest water level 28.20 below lsd, Mar. 17, 1942; lowest 62.05 below lsd, Nov. 21, 1952. Records available: 1940-46, 1948-53. Mar. 25, 51.81.
30. B. Ray Woods well 2. Lat. $29^{\circ}44'$, long. $95^{\circ}55'$. Drilled irrigation artesian well in sand, diameter 16 to 8 inches, depth 334 feet, casing slotted opposite sands below 74. Highest water level 64.23 below lsd, Mar. 24, 1947; lowest 78.01 below lsd, Nov. 21, 1952. Records available: 1940-53. Mar. 31, 76.48; Nov. 24, 78.00.
33. Earl McMillian. Lat. $29^{\circ}45'$, long. $95^{\circ}52'$. Drilled irrigation artesian well in sand, diameter 15 inches, depth 346 feet. Highest water level 57.77 below lsd, Mar. 15, 1939; lowest 77.04 below lsd, Nov. 23, 1953. Records available: 1939-53. Mar. 25, 74.62; Nov. 23, 77.04.
75. Gulf Pipe Line Co. Lat. $29^{\circ}34'$, long. $95^{\circ}27'$. Drilled industrial artesian well in sand, diameter 6 inches, depth 800 feet. Highest water level 44.89 below lsd, Mar. 13, 1939; lowest 120.54 below lsd, Sept. 28, 1953. Records available: 1938-53. June 12, 115.33; Sept. 28, 120.54; Dec. 21, 118.44.
77. Ansel & Brinkman. Lat. $29^{\circ}36'$, long. $95^{\circ}28'$. Drilled irrigation artesian well in sand, diameter 18 inches, depth 800 feet, casing slotted below 240. Highest water level 47.0 below lsd, Apr. 9, 1945; lowest 98.12 below lsd, Dec. 22, 1953. Records available: 1945-53. Feb. 5, 92.24; Dec. 22, 98.12.
- A-2. Southern Pacific Lines. Simonton. Lat. $29^{\circ}40'$, long. $95^{\circ}58'$. Drilled unused artesian well in sand, diameter 6 inches, depth 300 feet. Highest water level 18.50 below lsd, May 14, 1947; lowest 36.55 below lsd, Jan. 20, 1953. Records available: 1947-53. Jan. 20, 36.55; July 20, 35.10.
- B-26. M. A. McDonald. Lat. $29^{\circ}41'$, long. $95^{\circ}48'$. Drilled stock artesian well in sand, diameter 6 inches, depth 131 feet. Highest water level 47.05 below lsd, Apr. 18, 1947; lowest 93.74 below lsd, Aug. 29, 1951. Records available: 1947-53. Jan. 20, 65.66; July 20, 91.05.
- B-30. Mr. Settegast. Lat. $29^{\circ}41'$, long. $95^{\circ}46'$. Drilled stock artesian well in sand, diameter 8 inches, depth 156 feet. Highest water level 36.79 below lsd, Mar. 17, 1942; lowest 91.41 below lsd, Aug. 29, 1951. Records available: 1941-42, 1948-53. Jan. 20, 63.8.
- D-15. Humble Oil & Refining Co. Lat. $29^{\circ}31'$, long. $95^{\circ}28'$. Drilled unused artesian well in sand, diameter 4 inches, depth 584 feet, screen 560-583. Highest water level 54.83 below lsd, May 15, 1947; lowest 78.2 below lsd, Jan. 16, 1953. Records available: 1947-53. Jan. 16, 78.2.
- D-16. Julia Tague. Lat. $29^{\circ}30'$, long. $95^{\circ}27'$. Drilled unused artesian well in sand, diameter 4 inches, depth 459 feet. Highest water level 35.19 below lsd, May 5, 1947; lowest 51.54 below lsd, July 20, 1953. Records available: 1947-53. Jan. 16, 50.71; July 20, 51.54.
- D-22. Humble Oil & Refining Co. Lat. $29^{\circ}32'$, long. $95^{\circ}34'$. Drilled unused artesian well in sand, diameter 4 inches, depth 448 feet, screen 426-446. Highest water level 40.93 below lsd, May 1, 1947; lowest 72.09 below lsd, July 20, 1953. Records available: 1947-53. Jan. 19, 70.28; July 20, 72.09.

- E-2. A. E. Myers. Booth. Lat. 29°31', long. 95°39'. Drilled farm artesian well in sand, diameter 6 inches, depth 720 feet, screen 627-674. Highest water level 30.0 below lsd, Dec. 4, 1944; lowest 62.95 below lsd, July 20, 1953. Records available: 1944, 1947-53. Jan. 21, 60.89; July 20, 62.95.
- E-3. A. E. Myers. Booth. Lat. 29°31', long. 95°39'. Drilled unused artesian well in sand, diameter 4 inches, depth 300 feet. Highest water level 24.47 below lsd, Dec. 30, 1948; lowest 42.12 below lsd, Jan. 21, 1953. Records available: 1947-53. Jan. 21, 42.12.
- E-9. Humble Oil & Refining Co. Lat. 29°33', long. 95°36'. Drilled unused artesian well in sand, diameter 5 inches, depth 484 feet, screen 453-478. Highest water level 33.67 below lsd, May 1, 1947; lowest 64.06 below lsd, July 20, 1953. Records available: 1947-53. Jan. 19, 61.29; July 20, 64.06.
- E-10. Humble Oil & Refining Co. Lat. 29°36', long. 95°36'. Drilled unused artesian well in sand, diameter 5 inches, depth 671 feet. Highest water level 38.30 below lsd, May 1, 1947; lowest 69.63 below lsd, July 20, 1953. Records available: 1947-53. Jan. 19, 66.48; July 20, 69.63.
- E-11. Humble Oil & Refining Co. Lat. 29°33', long. 95°35'. Drilled unused artesian well in sand, diameter 6 inches, depth 716 feet, screen 671-715. Highest water level 40.36 below lsd, May 1, 1947; lowest 72.04 below lsd, July 20, 1953. Records available: 1947-53. Jan. 19, 69.89; July 20, 72.04.
- E-22. Texas Prison System, Central State Farm 2. Lat. 29°36', long. 95°39'. Drilled industrial artesian well in sand, diameter 8 inches, depth 700 feet. Highest water level 32.0 below lsd, Apr. 1945; lowest 54.73 below lsd, Aug. 29, 1951. Records available: 1945, 1947-51. Measurement discontinued.
- F-37. Cockburn Oil Co. Lat. 29°31', long. 95°51'. Drilled unused artesian well in sand, diameter 4 inches, depth 243 feet. Highest water level 36.71 below lsd, Apr. 28, 1947; lowest 46.16 below lsd, Aug. 6, 1952. Records available: 1947-53. Jan. 20, 44.22; July 21, 42.19.
- F-48. W. L. Ansel well 1. Lat. 29°35', long. 95°54'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 445 feet, casing slotted below 90. Highest water level 42.93 below lsd, Apr. 24, 1947; lowest 50.34 below lsd, Jan. 15, 1952. Records available: 1947-48, 1950-53. Jan. 20, 50.26.
- F-50. W. L. Ansel well 2. Lat. 29°36', long. 95°54'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 438 feet, casing slotted below 91. Highest water level 43.66 below lsd, Apr. 24, 1947; lowest 53.59 below lsd, July 20, 1953. Records available: 1947-53. Jan. 20, 52.16; July 20, 53.59.
- G-25. Gulf Oil Corp. Lat. 29°33', long. 95°56'. Drilled unused artesian well in sand, diameter 6 inches, depth 173 feet. Highest water level 32.23 below lsd, May 21, 1947; lowest 36.48 below lsd, July 20, 1953. Records available: 1947-53. Jan. 20, 33.71; July 20, 36.48.
- H-16. Jack Wendt well 1. Lat. 29°25', long. 95°56'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 397 feet, casing slotted below 112. Highest water level 22.26 below lsd, Apr. 14, 1947; lowest 36.11 below lsd, Aug. 6, 1952. Records available: 1947-52. No measurement made in 1953.
- I-15. Gulf Oil Corp. Lat. 29°28', long. 95°45'. Drilled unused artesian well in sand, diameter 6 inches, depth 86 feet. Highest water level 9.24 below lsd, Apr. 30, 1947; lowest 18.86 below lsd, July 21, 1953. Records available: 1947-53. Jan. 21, 17.44; July 21, 18.86.
- I-16. Gulf Oil Corp. Lat. 29°28', long. 95°45'. Drilled industrial artesian well in sand, diameter 6 inches, depth 180 feet. Highest water level 13.95 below lsd, Apr. 30, 1947; lowest 19.03 below lsd, July 21, 1953. Records available: 1947-53. Jan. 21, 18.80; July 21, 19.03.
- I-22. Walter Gless. Lat. 29°25', long. 95°45'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 636 feet, casing slotted below 85. Highest water level 11.67 below lsd, Apr. 24, 1947; lowest 42.03 below lsd, Aug. 28, 1951. Records available: 1947-48, 1950-53. Jan. 21, 30.57.
- I-24. C. A. Danklefs well 1. Lat. 29°22', long. 95°45'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 545 feet, casing slotted below 65. Highest water level 21.14 below lsd, Mar. 4, 1948; lowest 43.53 below lsd, Sept. 2, 1949. Records available: 1948-53. Jan. 21, 28.47.

I-25. C. A. Danklefs well 2. Lat. 29°22', long. 95°45'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 556 feet, casing slotted below 64. Highest water level 21.19 below lsd, Mar. 4, 1948; lowest 60.01 below lsd, Aug. 28, 1951. Records available: 1944, 1948-53. Jan. 21, 26.28.

J-9. Cecil Hagen. Lat. 29°28', long. 95°35'. Drilled unused artesian well in sand, diameter 4 inches, depth 307 feet. Highest water level 12.55 below lsd, Apr. 29, 1947; lowest 26.25 below lsd, July 20, 1953. Records available: 1947-53. Jan. 21, 25.12; July 20, 26.25.

K-2. The Texas Co. Lat. 29°28', long. 95°34'. Drilled domestic artesian well in sand, diameter 6 inches, depth 600 feet. Highest water level 9.0 below lsd, 1940; lowest 42.22 below lsd, Jan. 21, 1953. Records available: 1940, 1947-51, 1953. Jan. 21, 42.22; July 20, 30.52.

K-3. Houston Oilfield Equipment Co. Lat. 29°28', long. 95°34'. Drilled unused artesian well in sand, diameter 5 inches, depth 150 feet. Highest water level 16.20 below lsd, Apr. 29, 1947; lowest 29.69 below lsd, Jan. 21, 1953. Records available: 1947-53. Jan. 21, 29.69.

L-3. Owner unknown. Lat. 29°18', long. 95°39'. Drilled domestic artesian well in sand, diameter 6 inches, depth 200 feet. Highest water level 16.06 below lsd, May 21, 1947; lowest 43.10 below lsd, July 21, 1953. Records available: 1947, 1949-53. Jan. 21, 30.19; July 21, 43.10.

Gaines County

2. Carrol Cobb. SW $\frac{1}{4}$ sec. 20, blk. A21. Lat. 32°36', long. 102°38'. Drilled stock water-table well in sand, diameter 8 inches, depth 100 feet, cased to 100, perforations 50-100. Highest water level 54.79 below lsd, Jan. 26, 1951; lowest 56.55 below lsd, Apr. 27, 1938. Records available: 1937-38, 1940-41, 1943, 1949-53. Jan. 22, 54.95.

6a. Andrew Fasken. NW $\frac{1}{4}$ sec. 160, blk. G. Lat. 32°40', long. 102°36'. Drilled stock water-table well in sand, diameter 5 inches, depth 160 feet. Highest water level 40.67 below lsd, Apr. 27, 1938; lowest 43.80 below lsd, Jan. 22, 1953. Records available: 1938-40, 1943, 1949-53. Jan. 22, 43.80.

Galveston County

11. A. A. Davis. Friendswood. Lat. 29°31', long. 95°12'. Drilled farm artesian well in sand, diameter 4 inches, depth 560 feet. Highest water level 51.70 below lsd, Feb. 15, 1939; lowest 110.62 below lsd, May 7, 1951. Records available: 1939-42, 1948-51. Measurement discontinued.

16. Cecil Brown. Friendswood. Lat. 29°31', long. 95°12'. Drilled industrial artesian well in sand, diameter 6 to 4 inches, depth 562 feet, screen 516-547. Highest water level 53.04 below lsd, Feb. 15, 1939; lowest 117.32 below lsd, May 5, 1953. Records available: 1939-41, 1943-44, 1947-53. May 5, 117.32.

17. Old Friendswood School. Friendswood. Lat. 29°31', long. 95°11'. Drilled unused artesian well in sand, diameter 4 to 2 $\frac{1}{2}$ inches, depth 440 feet. Highest water level 60.84 below lsd, Apr. 22, 1941; lowest 117.35 below lsd, Nov. 7, 1952. Records available: 1941-42, 1944-53. May 5, 116.86.

28. Galveston, Houston & Henderson Railroad. League City. Lat. 29°30', long. 95°05'. Drilled unused artesian well in sand, diameter 4 inches, depth 560 feet. Highest water level 47.66 below lsd, Apr. 7, 1939; lowest 108.14 below lsd, Nov. 2, 1953. Records available: 1931-33, 1939-53. May 5, 103.04; Nov. 2, 108.14.

29. Emil Schenk. League City. Lat. 29°30', long. 95°05'. Drilled unused artesian well in sand, diameter 3 inches, depth 575 feet. Highest water level 47.35 below lsd, Mar. 14, 1939; lowest 108.60 below lsd, Nov. 2, 1953. Records available: 1939, 1941-42, 1944-53. May 5, 103.30; Nov. 2, 108.60.

42. J. Freund. Kemah. Lat. 29°32', long. 95°00'. Drilled unused artesian well in sand, diameter 2 inches, depth 500 feet. Highest water level 31.57 below lsd, Mar. 22, 1939; lowest 87.68 below lsd, Nov. 2, 1953. Records available: 1939-53. Nov. 2, 87.68.

60. Dr. C. A. Davis. Lat. 29°32', long. 95°09'. Drilled domestic artesian well in sand, diameter 4 to 2 inches, depth 570 feet, cased to 570. Highest water level 42.15 below lsd, Mar. 16, 1939; lowest 112.00 below lsd, Nov. 17, 1952. Records available: 1939, 1941-42, 1944-52. No measurement made in 1953.

81. J. M. West. Lat. 29°29', long. 95°10'. Drilled stock artesian well in sand, diameter 6 inches, depth 600 feet. Highest water level 32.9 below lsd, Oct. 11, 1931; lowest 113.33 below lsd, May 5, 1953. Records available: 1931, 1939, 1941, 1944-53. May 5, 113.33.

89. P. V. Leavenworth. Lat. 29°29', long. 95°08'. Drilled stock artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 51.53 below lsd, July 23, 1941; lowest 98.11 below lsd, Nov. 2, 1953. Records available: 1941-42, 1944-53. May 5, 92.80; Nov. 2, 98.11.

115. J. W. Palmer. Lat. 29°26', long. 95°01'. Drilled unused artesian well in sand, diameter 4 inches, depth 526 feet. Highest water level 15.20 below lsd, Mar. 14, 1933; lowest 77.97 below lsd, May 5, 1949. Records available: 1932-33, 1935-53. May 6, 77.88; Nov. 5, 77.91.

130. Dr. Patton. Lat. 29°28', long. 95°05'. Drilled unused artesian well in sand, diameter 5 inches, depth 680 feet. Highest water level 49.17 below lsd, Mar. 24, 1939; lowest 89.44 below lsd, Nov. 2, 1953. Records available: 1939, 1941, 1945-53. Nov. 2, 89.44.

162. D. C. Richards. Lat. 29°29', long. 94°56'. Drilled farm artesian well in sand, diameter 4 inches, depth 665 feet. Highest water level 45.09 below lsd, July 26, 1941; lowest 86.72 below lsd, Nov. 6, 1952. Records available: 1941-42, 1944-53. May 6, 84.44; Nov. 6, 84.57.

195. Pan-American Production Co. Lat. 29°24', long. 94°58'. Drilled industrial artesian well in sand, diameter 7 inches, depth 641 feet, screen 599-640. Highest water level 42.32 below lsd, Sept. 15, 1939; lowest 102.70 below lsd, Oct. 5, 1948. Records available: 1939, 1941-53. May 7, 92.94.

205. Galveston, Houston & Henderson Railroad. La Marque. Lat. 29°22', long. 94°58'. Drilled industrial artesian well in sand, diameter 9 inches, depth 914 feet, screen 873-914. Highest water level 4.2 below lsd, Apr. 15, 1931; lowest 102.75 below lsd, May 20, 1948. Records available: 1931, 1939, 1941-53. May 7, 77.26; Nov. 5, 78.82.

243. Stone Oil Co. Texas City. Lat. 29°22', long. 94°54'. Drilled industrial artesian well in sand, diameter 16 to 8 inches, depth 801 feet, screens opposite sands between 486 and 785. Highest water level 61.27 below lsd, Dec. 14, 1940; lowest 144.62 below lsd, May 6, 1949. Records available: 1939-42, 1944, 1946-53. May 8, 120.50; Nov. 5, 123.80.

351. R. S. Wesmorland. Lat. 29°20', long. 94°59'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 533 feet, screen 493-533. Highest water level 23.72 below lsd, Apr. 25, 1939; lowest 83.94 below lsd, Nov. 5, 1951. Records available: 1939, 1941, 1944-53. May 7, 82.73; Nov. 4, 83.54.

382. Maco Stewart. Lat. 29°20', long. 94°57'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 794 feet, screen 753-794. Highest water level 24.23 below lsd, Jan. 25, 1939; lowest 84.93 below lsd, May 24, 1948. Records available: 1939, 1941, 1944-53. May 7, 69.55.

392. Sun Oil Co. and J. D. Hughes. Lat. 29°16', long. 95°03'. Drilled unused artesian well in sand, diameter 7 to 4 inches, depth 869 feet, screens opposite sands between 458 and 867. Highest water level 44.53 below lsd, Apr. 19, 1944; lowest 62.27 below lsd, Oct. 7, 1948. Records available: 1939, 1941, 1944-53. May 11, 57.85; Nov. 17, 59.61.

396. Sun Oil Co. and Houston Farms & Development Co. Lat. 29°16', long. 95°01'. Drilled stock artesian well in sand, diameter 7 to 5 inches, depth 923 feet, screens 804-827, 873-923. Highest water level 11.28 below lsd, Jan. 16, 1939; lowest 60.90 below lsd, Oct. 7, 1948. Records available: 1939, 1941-42, 1948-49, 1951-53. May 11, 56.54; Nov. 17, 58.54.

475. H. W. Thompson. Lat. 29°31', long. 95°05'. Drilled unused artesian well in sand, diameter 6 inches, depth 550 feet. Highest water level 44.98 below lsd, Mar. 13, 1939; lowest 107.57 below lsd, Nov. 2, 1953. Records available: 1939, 1941, 1944-53. Nov. 2, 107.57.

482. Mrs. Anna Varnell. League City. Lat. 29°30', long. 95°05'. Drilled domestic artesian well in sand, diameter 4 inches, depth 500 feet. Highest water level 47.31 below lsd, Mar. 13, 1939; lowest 107.96 below lsd, Nov. 2, 1953. Records available: 1939, 1941, 1944-53. May 5, 102.58; Nov. 2, 107.96.

566. Stanolind Oil & Gas Co. Lat. 29°27', long. 95°00'. Drilled unused artesian well in sand, diameter 4 inches, depth 615 feet. Highest water level 43.26 below lsd, Mar. 23, 1939; lowest 89.18 below lsd, Nov. 6, 1952. Records available: 1939, 1941-42, 1944-53. May 6, 85.96; Nov. 6, 81.44.

570. C. L. Dobbins. Lat. 29°27', long. 95°01'. Drilled farm artesian well in sand, diameter 6 inches, depth 1,167 feet, screens opposite sands between 483 and 923. Highest water level 46.82 below lsd, July 28, 1941; lowest 86.84 below lsd, Nov. 6, 1952. Records available: 1941, 1944-53. May 6, 84.90; Nov. 6, 85.94.

678. Galveston city well 17-N. Lat. 29°22', long. 95°04'. Drilled unused artesian well in sand, diameter 7 inches, depth 790 feet, screen 753-793. Highest water level 26 above lsd, 1893; lowest 109.65 below lsd, May 21, 1948. Records available: 1893, 1907, 1911, 1913, 1939, 1941-53. May 12, 100.02; Nov. 4, 99.80.

688. Galveston City test well 1. Lat. 29°22', long. 95°04'. Drilled observation artesian well in sand, diameter 4 inches, depth 1,066 feet, screen 864-874. Highest water level 68.93 below lsd, Mar. 15, 1941; lowest 111.85 below lsd, May 21, 1948. Records available: 1941-53. Apr. 30, 105.05; Nov. 13, 101.58.

689. City of Galveston test well 2. Lat. 29°23', long. 95°06'. Drilled observation artesian well in sand, diameter 4 inches, depth 1,221 feet, cased to 850, screen 850-870. Highest water level 55.9 below lsd, June 16, 1941; lowest 111.9 below lsd, Aug. 26-27, 1953. Records available: 1941-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	110.5	110.0	108.5	109.2	109.7	108.7	.....	111.4	111.6	.....	111.5	.....
2	110.5	109.9	108.5	109.3	109.7	108.7	.....	111.4	111.6	.....	111.5	.....
3	110.5	109.9	108.4	109.3	109.7	108.7	.....	111.4	111.6	.....	111.3	110.8
4	110.5	109.8	108.5	109.3	109.6	108.7	.....	111.4	111.6	.....	111.3	110.8
5	110.4	109.7	108.6	109.3	109.6	108.7	.....	111.5	111.6	.....	111.3	110.8
6	110.4	109.6	108.5	109.2	109.6	108.7	.....	111.5	111.6	.....	111.3	110.9
7	110.4	109.6	108.5	109.3	109.6	108.7	.....	111.5	111.5	.....	.....	110.9
8	110.3	109.5	108.5	109.3	109.6	108.7	.....	111.5	111.5	.....	.....	110.9
9	110.3	109.4	108.5	109.3	109.6	108.7	.....	111.5	111.5	.....	.....	110.9
10	110.3	109.4	108.5	109.4	109.6	108.8	.....	111.5	111.5	.....	.....	110.9
11	110.3	109.3	108.6	109.4	109.6	108.8	.....	111.5	111.5	.....	.....	110.7
12	110.3	109.3	108.6	109.3	109.6	108.8	.....	111.6	111.5	.....	.....	110.7
13	110.2	109.2	108.6	109.5	109.5	108.8	.....	111.6	111.4	.....	.....	110.7
14	110.2	109.0	108.6	109.4	109.5	108.8	.....	111.6	111.4	.....	.....	110.7
15	110.2	109.0	108.7	109.4	109.4	108.8	.....	111.7	111.4	.....	.....	110.7
16	110.2	109.0	108.8	109.5	109.4	108.9	.....	111.7	111.4	.....	.....	110.7
17	110.2	109.0	108.8	109.5	109.4	108.9	.....	.....	111.4	.....	.....	110.7
18	110.1	108.9	108.9	109.5	109.2	109.0	.....	.....	111.4	.....	.....	110.6
19	110.1	108.8	108.9	109.6	109.3	109.1	.....	.....	111.4	.....	.....	110.4
20	110.1	108.8	108.9	109.7	109.3	109.1	.....	.....	111.4	.....	.....	110.3
21	110.1	108.9	109.0	109.6	109.2	109.2	.....	.....	111.4	111.8	.....	110.3
22	110.1	108.9	109.0	109.6	109.1	109.3	.....	.....	111.5	111.7	.....	110.3
23	110.1	108.8	109.0	109.6	109.0	109.4	111.2	.....	111.5	111.7	.....	110.4
24	110.1	108.6	109.1	109.6	108.9	109.5	111.2	.....	111.5	111.7	.....	110.4
25	110.2	108.6	109.2	109.6	108.9	.....	111.2	.....	.....	111.6	111.0	110.4
26	110.1	108.6	109.2	109.7	108.9	.....	111.2	111.9	.....	111.5	.....	110.3
27	110.1	108.6	109.2	109.7	108.9	.....	111.2	111.9	.....	111.6	.....	110.1
28	110.1	108.5	109.2	109.7	108.9	.....	111.2	111.8	.....	111.6	.....	110.1
29	110.1	.....	109.2	109.6	108.8	.....	111.2	111.6	.....	111.6	.....	110.1
30	110.1	.....	109.2	109.7	108.7	.....	111.3	111.6	.....	111.6	.....	110.1
31	110.0	.....	109.2	.....	108.7	.....	111.4	111.6	.....	111.5	.....	110.1

691. City of Galveston test well 3-A. Hitchcock. Lat. 29°20', long. 95°01'. Drilled observation artesian well in sand, diameter 2 inches, depth 940 feet, screen 930-940. Highest water level 42.07 below lsd, Mar. 14, 1941; lowest 87.82 below lsd, May 21, 1948. Records available: 1941-53. May 7, 72.42; Nov. 13, 71.96.

699. Pure Oil Co. Lat. 29°25', long. 95°00'. Drilled industrial artesian well in sand, diameter 6 inches, depth 672 feet, screen 641-671. Highest water level 55.42 below lsd, Aug. 8, 1941; lowest 101.68 below lsd, May 5, 1949. Records available: 1941-42, 1944-53. May 12, 94.18.

700. Chester Eignus. Lat. 29°31', long. 95°12'. Drilled unused artesian well in sand, diameter 4 inches, depth 425 feet. Highest water level 60.18 below lsd, July 21, 1941; lowest 119.50 below lsd, Nov. 2, 1953. Records available: 1941-42, 1944-53. May 5, 115.83; Nov. 2, 119.50.

708. Phillips Petroleum Co. Lat. 29°27', long. 95°06'. Drilled unused artesian well in sand, diameter 4 inches, depth 700 feet. Highest water level 38.50 below lsd, May 6, 1942; lowest 82.53 below lsd, Apr. 10, 1944. Records available: 1941-42, 1944-52. Measurement discontinued.

709. Phillips Petroleum Co. Lat. 29°08', long. 95°07'. Drilled unused artesian well in sand, diameter 6 inches, depth 700 feet. Highest water level 48.98 below lsd, Aug. 2, 1941; lowest 88.83 below lsd, Nov. 2, 1953. Records available: 1941-42, 1944-53. May 6, 87.89; Nov. 2, 88.83.

710. Stanolind Oil & Gas Co. Lat. 29°19', long. 95°11'. Drilled unused artesian well in sand, diameter 4 inches, depth 744 feet, screen 701-744. Highest water level 48.48 below lsd, July 23, 1941; lowest 85.23 below lsd, Oct. 7, 1948. Records available: 1941-42, 1944-53. May 7, 81.61; Nov. 4, 84.00.

711. Stanolind Oil & Gas Co. Lat. 29°19', long. 95°06'. Drilled unused artesian well in sand, diameter 5 inches, depth 720 feet. Highest water level 27.74 below lsd, May 5, 1950; lowest 33.80 below lsd, July 23, 1941. Records available: 1941-42, 1944-52. Measurement discontinued.

787. City of Galveston test well 8-11. Lat. 29°25', long. 95°08'. Drilled observation artesian well in sand, diameter 4 inches, depth 677 feet, screen 667-677. Highest water level 54.16 below lsd, May 27, 1942; lowest 110.42 below lsd, Aug. 26, 1953. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	108.43	Apr. 27	107.84	July 23	109.39	Oct. 26	109.81
Feb. 25	106.44	May 23	106.44	Aug. 26	110.42	Nov. 23	109.35
Mar. 24	107.30	June 24	107.23	Sept. 24	109.90	Dec. 18	108.85

Hale County

15. S. C. Hutchinson. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, blk. S1. Lat. 34°15', long. 101°56'. Drilled unused water-table well in sand, diameter 16 inches, depth 100 feet. Highest water level 57.30 below lsd, Aug. 19, 1937; lowest 76.28 below lsd, Jan. 12, 1953. Records available: 1937, 1941-53. Jan. 12, 76.28.

36. G. D. Lewellen. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, blk. O6. Lat. 34°12', long. 101°58'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 202 feet. Highest water level 76.88 below lsd, Jan. 6, 1938; lowest 98.19 below lsd, Jan. 12, 1953. Records available: 1936-38, 1941-50, 1952-53. Jan. 12, 98.19.

68. Tom Bostic. E $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 23, blk. S1. Lat. 34°15', long. 102°01'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 155 feet. Highest water level 66.90 below lsd, Sept. 26, 1939; lowest 81.47 below lsd, Jan. 9, 1953. Records available: 1939, 1947-49, 1951-53. Jan. 9, 81.47.

70. Tom Bostic. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, blk. S1. Lat. 34°18', long. 102°00'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 161 feet. Highest water level 66.63 below lsd, Mar. 12, 1947; lowest 78.67 below lsd, Jan. 9, 1953. Records available: 1947-49, 1951-53. Jan. 9, 78.67.

81. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 51, blk. K. Lat. 34°19', long. 101°56'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, slotted 52-202. Highest water level 59.37 below lsd, Feb. 19, 1945; lowest 77.44 below lsd, Jan. 9, 1953. Records available: 1945-53. Jan. 9, 77.44.

86. R. V. Craig. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, blk. O6. Lat. 34°13', long. 101°58'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 224 feet, slotted 64-224. Highest water level 80.76 below lsd, Mar. 12, 1947; lowest 103.35 below lsd, Jan. 12, 1953. Records available: 1947-50, 1952-53. Jan. 12, 103.35.

93. R. A. McAlister. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, blk. O6. Lat. 34°14', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 196 feet. Highest water level 85.95 below lsd, Mar. 12, 1947; lowest 104.50 below lsd, Jan. 12, 1953. Records available: 1947-53. Jan. 12, 104.50.

103. Carl Meyer. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 8, blk. C4. Lat. 34°17', long. 101°53'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, cased to 60. Highest water level 44.33 below lsd, Jan. 27, 1943; lowest 62.14 below lsd, Jan. 9, 1953. Records available: 1938-53. Jan. 9, 62.14.

104. W. A. Painter. Center SE $\frac{1}{4}$ sec. 31, blk. S1. Lat. 34°16', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 186 feet, cased to 120. Highest water level 53.88 below lsd, Mar. 12, 1947; lowest 67.40 below lsd, Jan. 9, 1953. Records available: 1947-50, 1952-53. Jan. 9, 67.40.

105. Texas Land & Development Co. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, blk. S1. Lat. 34°15', long. 101°51'. Drilled irrigation water-table well in sand, diameter 24 to 13 inches, depth 290 feet, cased to 282, slotted 104-282. Highest water level 48.80 below lsd, Apr. 18, 1934, Jan. 27, 1943; lowest 70.67 below lsd, Jan. 12, 1953. Records available: 1934, 1937-46, 1948-53. Jan. 12, 70.67.

125. E. E. Clark. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, blk. JK4. Lat. 34°11', long. 101°55'. Drilled stock water-table well in sand, diameter 4 inches. Highest water level 78.20 below lsd, Jan. 6, 1938; lowest 96.22 below lsd, Jan. 28, 1952. Records available: 1937-42, 1945-52. Measurement discontinued.

138. W. A. Painter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, blk. S1. Lat. 34°17', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 50.02 below lsd, Mar. 12, 1947; lowest 61.85 below lsd, Jan. 9, 1953. Records available: 1947-49, 1951-53. Jan. 9, 61.85.

154. W. H. Smith. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, blk. JK. Lat. 34°12', long. 101°55'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 238 feet, cased to 238, screen 64-238. Highest water level 68.56 below lsd, Mar. 21, 1947; lowest 81.06 below lsd, Jan. 12, 1953. Records available: 1947-49, 1951-53. Jan. 12, 81.06.

163. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, blk. JK. Lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 182 feet. Highest water level 48.06 below lsd, Mar. 26, 1943; lowest 73.40 below lsd, Jan. 12, 1953. Records available: 1943-47, 1949-53. Jan. 12, 73.40.

164. S. E. Curry. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, blk. JK. Lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 172 feet. Highest water level 50.70 below lsd, Mar. 17, 1940; lowest 76.70 below lsd, Jan. 12, 1953. Records available: 1940, 1943-53. Jan. 12, 76.70.

165. A. B. Tarwater. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, blk. JK. Lat. 34°14', long. 101°50'. Drilled irrigation water-table well in sand, depth 240 feet. Highest water level 51.70 below lsd, Mar. 26, 1943; lowest 77.75 below lsd, Jan. 12, 1953. Records available: 1939, 1943-50, 1952-53. Jan. 12, 77.75.

202. Texas Land & Development Co. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, blk. C3. Lat. 34°19', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 256 feet. Highest water level 60.50 below lsd, Apr. 29, 1916; lowest 90.08 below lsd, Jan. 9, 1953. Records available: 1916, 1934, 1936-39, 1942-50, 1952-53. Jan. 9, 90.08.

206. Texas Land & Development Co. Lat. 34°19', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 165 feet. Highest water level 62.00 below lsd Sept. 8, 1916; lowest 92.61 below lsd, Jan. 9, 1953. Records available: 1916, 1936-49, 1951-53. Jan. 9, 92.61.

208. Texas Land & Development Co. Lat. 34°19', long. 101°43'. Drilled irrigation well in sand, diameter 26 to 13 inches, depth 265 feet. Highest water level 54.70 below lsd, Jan. 6, 1916; lowest 85.36 below lsd, Jan. 9, 1953. Records available: 1916, 1936-53. Jan. 9, 85.36.

210. Dr. M. Howell. NW $\frac{1}{4}$ D. R. McVicker survey. Lat. 34°19', long. 101°43'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 206 feet. Highest water level 62.07 below lsd, May 7, 1936; lowest 86.42 below lsd, Jan. 9, 1953. Records available: 1936-53. Jan. 9, 86.42.

212. Ray Smith. Lat. 34°19', long. 101°42'. Drilled irrigation water-table well in sand, diameter 24 to 13 inches, depth 171 feet. Highest water level 51.50 below lsd, Sept. 12, 1914; lowest 81.22 below lsd, Jan. 9, 1953. Records available: 1914, 1938-53. Jan. 9, 81.22.

219. J. C. Pace. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, JK3. Lat. 34°17', long. 101°45'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 251 feet. Highest water level 53.50 below lsd, Apr. 6, 1916; lowest 88.69 below lsd, Jan. 9, 1953. Records available: 1916, 1947-53. Jan. 9, 88.69.

220. W. M. Toliver. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, blk. JK3. Lat. 34°16', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 to 13 inches, depth 252 feet. Highest water level 46.0 below lsd, July 7, 1916; lowest 81.22 below lsd, Jan. 9, 1953. Records available: 1916, 1934, 1937-45, 1947-53. Jan. 9, 81.22.

225. M. L. Monroe. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, blk. C3. Lat. 34°17', long. 101°46'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 212 feet. Highest water level 62.07 below lsd, Mar. 13, 1947; lowest 82.64 below lsd, Jan. 9, 1953. Records available: 1947-49, 1951-53. Jan. 9, 82.64.

232. R. Carter. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, blk. JK3. Lat. 34°14', long. 101°45'. Drilled irrigation water-table well in sand, diameter 26 inches. Highest water level 39.08 below lsd, 1914; lowest 82.19 below lsd, Jan. 9, 1953. Records available: 1914, 1936-41, 1943-50, 1952-53. Jan. 9, 82.19.

238. Dr. McKinley Howell. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, blk. JK3. Lat. 34°14', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 180 feet. Highest water level 42.0 below lsd, 1914; lowest 77.69 below lsd, Jan. 8, 1953. Records available: 1914, 1936-53. Jan. 8, 77.69.

241. S. Simpson. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, blk. JK2. Lat. 34°13', long. 101°43'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 198 feet, slotted casing 44-124. Highest water level 47.86 below lsd, Sept. 14, 1937; lowest 83.65 below lsd, Jan. 9, 1953. Records available: 1937, 1947-49, 1951-53. Jan. 9, 83.65.

255. C. H. Slaton. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 15, blk. JK2. Lat. 34°11', long. 101°47'. Drilled irrigation water-table well in sand, depth 72 feet. Highest water level 20.0 below lsd, 1910; lowest 45.45 below lsd, Jan. 8, 1953. Records available: 1910, 1914, 1937-49, 1951-53. Jan. 8, 45.45.

259. C. J. Ebeling. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. JK2. Lat. 34°11', long. 101°49'. Drilled irrigation water-table well in sand, depth 85 feet. Highest water level 13.32 below lsd, Nov. 13, 1941; lowest 43.64 below lsd, Jan. 8, 1953. Records available: 1914, 1936-49, 1951-53. Jan. 8, 43.64.

305. T. H. Ringwald. Lat. 34°19', long. 101°41'. Drilled unused irrigation water-table well in sand, diameter 24 to 13 inches, depth 272 feet. Highest water level 47.0 below lsd, Apr. 2, 1917; lowest 94.79 below lsd, Jan. 18, 1951. Records available: 1917, 1937-53. Jan. 10, 92.76.

307. B. F. Whitfield. Lat. 34°19', long. 101°40'. Drilled irrigation water-table well in sand; diameter 16 inches, depth 165 feet. Highest water level 55.0 below lsd, 1915; lowest 81.20 below lsd, Feb. 14, 1950. Records available: 1915, 1934, 1937-51. Measurement discontinued.

316. Homer Rook. NW $\frac{1}{4}$ S. D. Lemaster survey. Lat. 34°18', long. 101°40'. Drilled irrigation water-table well in sand. Highest water level 46.70 below lsd, Apr. 23, 1936; lowest 72.87 below lsd, Jan. 10, 1953. Records available: 1936-53. Jan. 10, 72.87.

317a. Henry Duncan. NE $\frac{1}{4}$ J. F. Owens survey. Lat. 34°18', long. 101°40'. Drilled irrigation water-table well in sand. Highest water level 60.68 below lsd, Feb. 21, 1948; lowest 71.99 below lsd, Jan. 10, 1953. Records available: 1948-53. Jan. 10, 71.99.

330a. E. H. Cox. NE $\frac{1}{4}$ J. M. Martin survey. Lat. 34°14', long. 101°39'. Drilled irrigation water-table well in sand. Highest water level 57.00 below lsd, Feb. 21, 1948; lowest 72.58 below lsd, Jan. 10, 1953. Records available: 1948-53. Jan. 10, 72.58.

332. J. E. Rigler. SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 112, blk. D2. Lat. 34°14', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 210 feet. Highest water level 53.60 below lsd, Mar. 13, 1947; lowest 73.56 below lsd, Jan. 11, 1953. Records available: 1947-50, 1952-53. Jan. 11, 73.56.

334. P. I. Williams. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 131, blk. D2. Lat. 34°16', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 219 feet, slotted casing 0-219. Highest water level 62.33 below lsd, Mar. 19, 1947; lowest 78.45 below lsd, Jan. 11, 1953. Records available: 1947-53. Jan. 11, 78.45.

338. Dr. J. H. Stewart. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 110, blk. D2. Lat. 34°14', long. 101°34'. Drilled irrigation water-table well in sand, depth 222 feet. Highest water level 41.96 below lsd, 1914; lowest 68.80 below lsd, Jan. 11, 1953. Records available: 1914, 1936-50, 1952-53. Jan. 11, 68.80.

370. D. A. Reading. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. D4. Lat. 34°13', long. 101°40'. Drilled irrigation water-table well in sand, diameter 8 inches. Highest water level 42.25 below lsd, Mar. 12, 1938; lowest 74.08 below lsd, Jan. 11, 1953. Records available: 1937-50, 1952-53. Jan. 11, 74.08.

407a. City of Plainview. Lat. 34°10', long. 101°41'. Drilled observation water-table well in sand, diameter 8 inches, depth 150 feet. Highest water level 41.86 below lsd, June 28, 1949; lowest 63.33 below lsd, Oct. 15-18, 1953. Records available: 1949-53.

407a--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.74	56.00	56.15	56.97	58.04	59.18	60.73	61.84	62.55	.....	63.05	.....
2	55.76	56.00	56.17	57.04	58.07	59.20	60.65	61.73	62.59	.....	63.02	.....
3	55.75	56.00	56.17	57.03	58.38	59.30	60.85	61.75	62.61	.....	63.00	.....
4	55.77	56.00	56.19	57.03	58.19	59.32	60.94	61.81	62.60	.....	62.98	.....
5	56.12	56.00	56.19	57.04	58.17	59.35	60.95	61.84	62.60	.....	62.95	.....
6	56.04	56.00	56.20	57.04	58.24	59.40	61.02	62.04	62.60	.....	62.93	.....
7	55.88	56.02	56.21	57.06	58.23	59.42	61.18	62.05	62.60	.....	62.93	.....
8	55.87	56.02	56.22	57.08	58.46	59.65	61.18	62.04	62.64	.....	62.92	.....
9	55.88	56.03	56.32	57.10	58.46	59.66	61.25	62.17	62.68	.....	62.90	.....
10	55.87	56.03	56.25	57.13	58.49	59.73	61.32	62.22	62.70	.....	62.88	.....
11	55.89	56.03	56.26	57.13	58.42	59.78	61.38	62.45	62.73	.....	62.88	.....
12	55.89	56.03	56.31	57.16	58.39	60.00	61.25	62.38	62.76	.....	62.87	.....
13	55.93	56.04	56.29	57.35	58.39	59.94	61.45	62.35	62.88	.....	62.85	.....
14	55.93	56.04	56.32	57.41	58.40	59.90	61.66	62.36	62.97	.....	62.83	.....
15	55.98	56.04	56.35	57.62	58.41	59.90	61.75	62.38	63.03	63.33	62.82	.....
16	55.93	56.06	56.34	57.52	58.44	60.14	61.70	62.39	63.13	63.33	.....	.....
17	55.94	56.06	56.36	57.52	58.47	60.15	61.50	62.39	63.13	63.33	.....	.....
18	55.96	56.06	56.36	57.46	58.55	60.07	61.49	62.40	63.21	63.33	.....	.....
19	56.13	56.06	56.35	57.46	58.55	60.03	61.49	62.41	.....	63.30	.....	.....
20	56.14	56.09	56.44	57.51	58.58	60.08	61.51	62.42	.....	63.29	.....	.....
21	56.03	56.09	56.61	57.51	58.64	60.10	61.52	62.42	.....	63.23	.....	.....
22	56.00	56.09	56.54	57.61	58.70	60.17	61.51	62.41	.....	63.20	.....	.....
23	56.01	56.11	56.71	57.78	58.80	60.38	61.51	62.41	.....	63.22	.....	.....
24	56.02	56.11	56.81	57.78	58.78	60.25	61.50	62.40	.....	63.20	.....	.....
25	56.00	56.11	56.74	57.81	58.83	60.30	61.49	62.40	.....	63.18	.....	.....
26	56.01	56.12	56.79	57.79	59.05	60.32	61.48	62.40	.....	63.18	.....	.....
27	56.01	56.12	56.84	57.86	59.07	60.50	61.48	62.42	.....	63.16	.....	.....
28	56.01	56.16	56.84	58.06	59.15	60.65	61.50	62.47	.....	63.14	.....	.....
29	56.00	.....	56.87	57.99	59.03	60.66	61.53	62.63	.....	63.11	.....	.....
30	56.00	.....	56.96	57.99	59.32	60.69	61.70	62.53	.....	63.08	.....	.....
31	56.00	.....	56.94	.....	59.37	.....	61.80	62.53	.....	63.07	.....	.....

427. C. M. Smith. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 17, blk. D5. Lat. 34°09', long. 101°34'. Drilled irrigation water-table well in sand. Highest water level 41.0 below lsd, 1914; lowest 80.54 below lsd, Jan. 9, 1953. Records available: 1914, 1936-50, 1952-53. Jan. 9, 80.54.

428. W. L. Cross. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. D5. Lat. 34°09', long. 101°34'. Drilled observation water-table well in sand, diameter 24 inches. Highest water level 45.31 below lsd, Mar. 10, 1938; lowest 94.40 below lsd, Aug. 28, 1953. Records available: 1936-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	87.62	88.62	87.53	.....	89.85	.....	.....	.....	.....
2	88.31	88.07	.....	.....	91.50	94.25	.....	.....	.....
3	87.24	87.05	.....	.....	91.54	93.47	.....	.....	.....
4	90.20	86.85	.....	.....	92.62	93.15	.....	.....	.....
5	87.43	86.83	.....	.....	.....	.....	.....	.....	.....
6	86.45	86.74	.....	.....	.....	92.66	.....	.....	.....
7	86.13	86.86	.....	.....	.....	92.47	.....	.....	.....
8	86.78	87.45	.....	.....	.....	.....	90.95	.....	.....
9	89.75	86.68	.....	.....	.....	.....	90.95	.....	.....
10	90.33	86.55	.....	.....	.....	92.64	90.86	.....	.....
11	90.95	86.48	.....	.....	.....	93.39	90.73	.....	.....
12	89.45	86.75	.....	.....	.....	93.42	90.70	.....	.....
13	88.74	86.59	.....	.....	.....	93.42	90.71	.....	.....
14	91.27	86.45	.....	.....	.....	93.41	90.65	.....	.....
15	90.80	86.34	.....	.....	.....	92.88	90.60	.....	.....
16	86.08	.....	.....	.....	92.52	90.52	90.59	.....
17	85.95	.....	.....	.....	93.37	90.51	.....	.....
18	89.52	85.92	.....	92.09	.....	93.39	90.46	.....	.....
19	86.95	85.88	90.43	91.12	.....	92.65	90.41	.....	.....
20	86.35	85.80	90.60	90.71	.....	.....	91.50	.....	.....
21	89.15	85.82	90.50	90.46	93.18	.....	91.93	.....	.....
22	92.80	85.79	91.23	90.25	92.65	.....	90.82	.....	.....
23	88.95	85.80	90.30	90.05	92.07	.....	.....	.....	.....
24	85.24	89.32	85.60	90.68	89.87	91.90	.....	.....	.....	.....
25	85.38	91.27	85.60	91.47	89.75	92.12	.....	.....	.....	.....

428--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	85.46	88.20	85.60	93.38	89.64	93.43	.....	.....	.....	.....
27	85.65	88.85	86.65	93.63	89.54	94.15	.....	.....	.....	.....
28	h81.20	.....	87.35	88.90	85.87	91.70	89.43	94.40	.....	.....	.....	.....
29	87.66	88.26	85.69	91.40	89.37	93.72	.....	.....	.....	.....
30	86.67	88.47	85.66	92.40	89.38	93.86	.....	.....	.....	.....
31	86.15	.....	85.82	.....	89.87	93.73	.....	.....	.....	.....

h Tape measurement.

433a. Lizzie B. Morris. SW. cor. sec. 37, blk. D6. Lat. 34°07', long. 101°35'. Drilled farm water-table well in sand. Highest water level 6.47 below lsd, Nov. 21, 1941; lowest 49.90 below lsd, Jan. 9, 1953. Records available: 1938-53. Jan. 9, 49.90.

436. I. B. Rankin. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, blk. D6. Lat. 34°07', long. 101°37'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 293 feet. Highest water level 50.30 below lsd, Jan. 4, 1936; lowest 89.41 below lsd, Jan. 11, 1953. Records available: 1936-53. Jan. 11, 89.41.

449. G. A. Benefield. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. D7. Lat. 34°06', long. 101°43'. Drilled irrigation water-table well in sand. Highest water level 57.5 below lsd, 1914; lowest 80.05 below lsd, Jan. 13, 1953. Records available: 1914, 1936-53. Jan. 13, 80.05.

454. R. L. Powell. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, blk. N. Lat. 34°06', long. 101°33'. Drilled irrigation water-table well in sand, diameter 24 to 16 inches, depth 265 feet. Highest water level 47.6 below lsd, June 27, 1914; lowest 91.42 below lsd, Jan. 9, 1953. Records available: 1914, 1937-41, 1943-53. Jan. 9, 91.42.

462. R. E. Keniston. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, blk. N. Lat. 34°05', long. 101°34'. Drilled unused water-table well in sand, diameter 26 inches, depth 266 feet. Highest water level 36.5 below lsd, 1914; lowest 74.90 below lsd, Jan. 23, 1951. Records available: 1914, 1936-49, 1951-52. No measurement made in 1953.

463. R. E. Keniston. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, blk. N. Lat. 34°05', long. 101°34'. Drilled irrigation water-table well in sand, diameter 24 to 17 inches, depth 285 feet. Highest water level 31.97 below lsd, Jan. 26, 1943; lowest 64.96 below lsd, Jan. 25, 1952. Records available: 1914, 1937-52. No measurement made in 1953.

467. M. E. Courtney. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, blk. N. Lat. 34°05', long. 101°37'. Drilled unused water-table well in sand, diameter 26 inches, depth 135 feet. Highest water level 32.65 below lsd, June 28, 1938; lowest 51.58 below lsd, Jan. 14, 1953. Records available: 1937-53. Jan. 14, 51.58.

497. S. E. Curry. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23, blk. D5. Lat. 34°09', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 204 feet, slotted casing. Highest water level 48.37 below lsd, Mar. 7, 1945; lowest 73.97 below lsd, Jan. 11, 1953. Records available: 1945-53. Jan. 11, 73.97.

539a. Fred Rastetter. SE. cor. sec. 29, blk. A. Lat. 34°05', long. 101°48'. Drilled irrigation water-table well in sand. Highest water level 67.00 below lsd, Mar. 7, 1949; lowest 82.91 below lsd, Jan. 13, 1953. Records available: 1949-53. Jan. 13, 82.91.

546. G. E. Bench. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, blk. A1. Lat. 34°05', long. 101°45'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet, casing slotted. Highest water level 57.39 below lsd, Mar. 14, 1947; lowest 76.33 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 76.33.

552. H. S. Dunaway. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6, blk. A. Lat. 34°03', long. 101°46'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 317 feet. Highest water level 57.36 below lsd, Apr. 16, 1934; lowest 73.90 below lsd, Jan. 13, 1953. Records available: 1914, 1934, 1936-53. Jan. 13, 73.90.

553. B. Jacobs. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, blk. A1. Lat. 34°03', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 309 feet. Highest water level 52.16 below lsd, Nov. 2, 1937; lowest 71.41 below lsd, Jan. 13, 1953. Records available: 1934, 1936-53. Jan. 13 71.41.

562. J. H. Sweat. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, blk. A1. Lat. 34°03', long. 101°48'. Drilled irrigation water-table well in sand, diameter 13 inches, depth 200 feet, casing slotted 80-200. Highest water level 61.92 below lsd, Mar. 14, 1947; lowest 75.92 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 75.92.

564. T. F. Mounts. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. A1. Lat. 34°04', long. 101°49'. Drilled unused water-table well in sand, diameter 16 inches. Highest water level 55.73 below lsd, Apr. 12, 1938; lowest 77.65 below lsd, Jan. 13, 1953. Records available: 1937-53. Jan. 13, 77.55.

569. O. C. Sanders. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, blk. A1. Lat. 34°02', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 210 feet. Highest water level 52.56 below lsd, Jan. 6, 1938; lowest 66.08 below lsd, Jan. 13, 1953. Records available: 1914, 1917, 1936-53. Jan. 13, 66.08.

714. W. E. Burnett. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, blk. A3. Lat. 33°59', long. 101°58'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 218 feet. Highest water level 79.50 below lsd, Mar. 21, 1947; lowest 91.70 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 91.70.

798. W. E. Burnett. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 30, blk. A3. Lat. 33°59', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 277 feet. Highest water level 80.66 below lsd, Mar. 11, 1947; lowest 95.68 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 95.68.

816. A. M. Eason. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. R. Lat. 33°58', long. 101°43'. Drilled unused water-table well in sand, diameter 12 inches, depth 94 feet. Highest water level 53.82 below lsd, Feb. 16, 1944; lowest 62.85 below lsd, Jan. 13, 1953. Records available: 1936-53. Jan. 13, 62.85.

828. John Bowling. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, blk. A4. Lat. 33°59', long. 101°51'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 218 feet, cased to 20. Highest water level 71.12 below lsd, Jan. 24, 1943; lowest 86.10 below lsd, Jan. 13, 1953. Records available: 1938-53. Jan. 13, 86.10.

829. John Bowling. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, blk. A4. Lat. 33°59', long. 101°51'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 318 feet. Highest water level 76.74 below lsd, Mar. 11, 1947; lowest 87.65 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 87.65.

840. Debb McLaughlin. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, blk. R. Lat. 34°56', long. 101°41'. Drilled unused water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 57.72 below lsd, Jan. 24, 1943; lowest 71.42 below lsd, Jan. 13, 1953. Records available: 1937-43, 1945-53. Jan. 13, 71.42.

848. Mrs. J. E. Cheney. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 75, blk. A4. Lat. 33°53', long. 101°51'. Drilled stock water-table well in sand, diameter 4 inches, depth 105 feet. Highest water level 95.20 below lsd, Nov. 25, 1941; lowest 101.00 below lsd, Jan. 14, 1953. Records available: 1937-42, 1948-50, 1952-53. Jan. 14, 101.00.

852. Abernathy Cemetery. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, blk. X. Lat. 33°50', long. 101°51'. Drilled cemetery water-table well in sand, diameter 5 inches, depth 128 feet. Highest water level 115.27 below lsd, Jan. 24, 1943; lowest 128.45 below lsd, Jan. 14, 1953. Records available: 1937-53. Jan. 14, 128.45.

859. L. Ragland. NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, blk. C1. Lat. 33°52', long. 101°41'. Drilled irrigation water-table well in sand, diameter 15 to 13 inches, depth 200 feet, cased to 120. Highest water level 72.25 below lsd, Jan. 24, 1943; lowest 94.31 below lsd, Jan. 13, 1953. Records available: 1937-50, 1952-53. Jan. 13, 94.31.

906. Floyd Reagan. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 59, blk. R. Lat. 34°01', long. 101°36'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 37.70 below lsd, May 5, 1938; lowest 51.75 below lsd, Jan. 14, 1953. Records available: 1936-53. Jan. 14, 51.75.

923. D. C. Bayley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, blk. R. Lat. 34°01', long. 101°41'. Drilled unused water-table well in sand, diameter 10 inches. Highest water level 48.02 below lsd, Feb. 16, 1944; lowest 61.30 below lsd, Jan. 14, 1953. Records available: 1937-53. Jan. 14, 61.30.

956. J. W. Heard. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, blk. R. Lat. 33°57', long. 101°41'. Drilled unused water-table well in sand, diameter 16 inches, depth 200 feet, cased to 40. Highest water level 63.59 below lsd, Feb. 16, 1944; lowest 74.82 below lsd, Jan. 13, 1953. Records available: 1937-53. Jan. 13, 74.82.

958. Luther Bain. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, blk. R. Lat. 33°56', long. 101°41'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 108 feet. Highest water level 55.33 below lsd, Jan. 24, 1943; lowest 67.07 below lsd, Jan. 13, 1953. Records available: 1936-50, 1952-53. Jan. 13, 67.07.

1403. Ralph Walker. SW. cor. F. Bradford survey. Lat. 34°09', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 52.27 below lsd, Mar. 11, 1947; lowest 66.47 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 66.47.

1417. Ralph Walker. SW. cor. L. G. Hoffman survey. Lat. 34°08', long. 101°42'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet, casing slotted 10-160. Highest water level 58.79 below lsd, Mar. 11, 1947; lowest 82.15 below lsd, Jan. 14, 1953. Records available: 1947-49, 1951-53. Jan. 14, 82.15.

1430. A. H. Schrock. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, blk. D7. Lat. 34°05', long. 101°39'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 43.54 below lsd, Nov. 28, 1945; lowest 62.92 below lsd, Jan. 14, 1953. Records available: 1945, 1947-53. Jan. 14, 62.92.

1436. H. O. Thompson. NW. cor. sec. 34, blk. D6. Lat. 34°07', long. 101°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, casing slotted 40-200. Highest water level 58.79 below lsd, Mar. 14, 1947; lowest 85.75 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 85.75.

1604. J. E. Laney. Lat. 34°06', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 62.07 below lsd, Mar. 21, 1947; lowest 79.64 below lsd, Jan. 13, 1953. Records available: 1947-49, 1951-53. Jan. 13, 79.64.

1609. W. P. Shannon. SE $\frac{1}{4}$ sec. 21, blk. A2. Lat. 34°04', long. 101°52'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 64.60 below lsd, Mar. 21, 1947; lowest 76.79 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 76.79.

1921. J. V. Newton. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. CL. Lat. 33°53', long. 101°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 180 feet. Highest water level 67.69 below lsd, Mar. 11, 1947; lowest 85.74 below lsd, Jan. 13, 1953. Records available: 1947-49, 1951-53. Jan. 13, 85.74.

Harris County

6a. C. H. Burton. Waller. Lat. 30°03', long. 95°55'. Drilled farm water-table well in sand, diameter 10 inches, depth 22 feet. Highest water level 3.50 below lsd, Nov. 6, 1941; lowest 15.42 below lsd, Nov. 28, 1932. Records available: 1931-35, 1939-53. Feb. 9, 11.13; June 17, 8.94; Sept. 29, 11.63; Dec. 17, 8.92.

11. H. J. Moore. Lat. 30°02', long. 95°52'. Drilled stock artesian well in sand, diameter 6 inches, depth 70 feet. Highest water level 42.85 below lsd, Dec. 18, 1946; lowest 49.24 below lsd, Feb. 2, 1938. Records available: 1931-32, 1936-53. Feb. 9, 45.87; June 17, 46.33; Sept. 29, 46.30; Dec. 17, 46.67.

14. J. A. Hafner. Lat. 30°03', long. 95°53'. Drilled unused artesian well in sand, diameter 4 inches, depth 122 feet. Highest water level 48.30 below lsd, Apr. 13, 1931; lowest 87.06 below lsd, Sept. 18, 1952. Records available: 1931-34, 1936-53. Feb. 9, 69.82; June 17, 77.36; Sept. 29, 84.84; Dec. 17, 73.44.

31. R. L. Burton. Lat. 30°02', long. 95°51'. Drilled farm artesian well in sand, diameter 6 to 4 inches, depth 297 feet, screen 246-289. Highest water level 39.30 below lsd, Apr. 28, 1943; lowest 108.12 below lsd, Sept. 18, 1952. Records available: 1928, 1931-33, 1935-36, 1938-53. Feb. 9, 59.46; June 17, 91.90; Sept. 29, 104.80; Dec. 17, 65.34.

33. W. G. Neeley. Hockley. Lat. 30°01', long. 95°50'. Drilled unused water-table well in sand, diameter 10 inches, depth 61 feet, cased with tile. Highest water level 1.48 below lsd, Jan. 17, 1946; lowest 47.43 below lsd, Sept. 29, 1953. Records available: 1931-53. Feb. 9, 42.16; June 17, 40.12; Sept. 29, 47.43; Dec. 17, 38.11.

35. Dr. A. N. Boyd. Lat. 30°01', long. 95°49'. Drilled unused water-table well in sand, diameter 8 inches, depth 35 feet, cased with tile. Highest water level 8.03 below lsd, Jan. 30, 1947; lowest 33.80 below lsd, Sept. 17, 1951. Records available: 1931-53. June 17, 26.48.

40. Ira Southard. Lat. 30°01', long. 95°50'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 497 feet, casing slotted opposite sand. Highest water level 40.30 below lsd, Mar. 17, 1942; lowest 68.10 below lsd, Nov. 12, 1948. Records available: 1940-53. Mar. 31, 57.73.

69. W. F. Klenk. Lat. 30°03', long. 95°29'. Dug farm water-table well in sand, diameter 36 inches, depth 37 feet, cribbed with brick. Highest water level 3.16 below lsd, Oct. 3, 1944; lowest 30.50 below lsd, Oct. 2, 1953. Records available: 1911, 1944-53. Feb. 4, 28.91; June 19, 30.23; Oct. 2, 30.50; Dec. 10, 29.98.

70. E. W. Klenk. Lat. 30°03', long. 95°29'. Drilled farm artesian well in sand, diameter 3 inches, depth 106 feet. Highest water level 0.30 above lsd, Oct. 3, 1944; lowest 32.39 below lsd, Dec. 10, 1953. Records available: 1938, 1944-53. Feb. 4, 31.43; June 19, 31.47; Oct. 2, 32.04; Dec. 10, 32.39.

95. H. C. Middlestead. Lat. 30°03', long. 95°25'. Dug unused water-table well in sand, diameter 6 feet, depth 32 feet, curbed with brick. Highest water level 4.76 below lsd, Jan. 31, 1947; lowest 25.78 below lsd, Oct. 4, 1940. Records available: 1931-36, 1939-53. Feb. 4, 24.38; June 19, 21.67; Oct. 2, 24.17; Dec. 10, 24.58.

100. D. D. Mintz. Lat. 30°00', long. 95°27'. Drilled farm artesian well in sand, diameter 3 inches, depth 96 feet. Highest water level 15.05 below lsd, Oct. 14, 1944; lowest 44.29 below lsd, Sept. 16, 1952. Records available: 1944-52. Measurement discontinued.

104. George Glameyer. Lat. 30°01', long. 95°25'. Drilled unused water-table well in sand, diameter 6 inches, depth 45 feet. Highest water level 5.40 below lsd, Jan. 26, 1944; lowest 26.27 below lsd, Nov. 9, 1931. Records available: 1931, 1938-53. Feb. 4, 24.07; Oct. 2, 24.87; Dec. 10, 25.39.

108. R. L. Glazner. Lat. 30°01', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 358 feet. Highest water level 14.77 below lsd, Apr. 7, 1944; lowest 54.89 below lsd, Oct. 2, 1953. Records available: 1943-53. Feb. 4, 50.86; June 19, 51.93; Oct. 2, 54.89; Dec. 10, 54.88.

134. Ira Southard well 1. Lat. 29°54', long. 95°49'. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 274 feet, casing slotted opposite sand. Highest water level 31.00 below lsd, Feb. 1931; lowest 67.02 below lsd, Mar. 30, 1953. Records available: 1931, 1939-53. Mar. 30, 67.02.

136. J. Freeman well 1. Lat. 29°52', long. 95°48'. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 138 feet. Highest water level 35.71 below lsd, Apr. 28, 1931; lowest 75.08 below lsd, Nov. 20, 1952. Records available: 1931, 1933, 1939-53. Apr. 2, 68.96; Nov. 23, 73.57.

139. Oscar Kemp well 1. Lat. 29°53', long. 95°47'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 134 feet. Highest water level 34.79 below lsd, Mar. 17, 1933; lowest 72.88 below lsd, Dec. 8, 1952. Records available: 1931-33, 1939-53. Mar. 30, 70.28.

140. Oscar Kemp well 2. Lat. 29°53', long. 95°47'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 359 feet, screens opposite sands below 73. Highest water level 40.84 below lsd, Mar. 8, 1939; lowest 75.46 below lsd, Nov. 27, 1953. Records available: 1939-53. Mar. 30, 68.99; Nov. 27, 75.46.

167. E. C. Smith. Lat. 29°58', long. 95°43'. Drilled stock artesian well in sand, diameter 6 inches, depth 158 feet, screen 134-158. Highest water level 5.87 below lsd, Apr. 3, 1931; lowest 3.2 below lsd, Sept. 17, 1951. Records available: 1931-53. Dec. 17, 30.44.

169a. Ben Pugh. Lat. 29°59', long. 95°45'. Drilled irrigation artesian well in sand, diameter 22 to 14 inches, depth 499 feet, casing slotted opposite sands below 75. Highest water level 8.0 below lsd, May 8, 1938; lowest 27.47 below lsd, Nov. 20, 1952. Records available: 1938-53. Mar. 30, 21.97; Nov. 24, 26.82.

171. E. H. Juergen. Cypress. Lat. 29°58', long. 95°41'. Drilled unused artesian well in sand, diameter 3 inches, depth 72 feet. Highest water level 7.77 below lsd, June 6, 1947; lowest 32.61 below lsd, Sept. 18, 1952. Records available: 1931-53. Feb. 9, 27.75; June 17, 28.99; Dec. 17, 27.87.

178. K. P. Black. Lat. 29°55', long. 95°38'. Drilled unused artesian well in sand, diameter 3 inches, depth 40 feet. Highest water level 0.70 below lsd, Jan. 27, 1944; lowest 19.64 below lsd, Aug. 21, 1940. Records available: 1931-33, 1935-36, 1939-53. Feb. 9, 9.45; June 16, 7.14; Sept. 29, 10.95; Dec. 17, 6.74.

182. Joel Schmidt. Lat. 29°54', long. 95°41'. Drilled irrigation artesian well in sand, diameter 24 inches, depth 239 feet. Highest water level 26.02 below lsd, Mar. 24, 1944; lowest 57.06 below lsd, Nov. 27, 1953. Records available: 1939-53. Mar. 30, 48.49; Nov. 27, 57.06.

186. T. B. Tucker well 3. Lat. 29°53', long. 95°44'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 628 feet, screens opposite sands below 100. Highest water level 21.13 below lsd, Mar. 24, 1931; lowest 58.85 below lsd, Nov. 23, 1953. Records available: 1931, 1939-53. Apr. 2, 52.78; Nov. 23, 58.85.

196. Humble Pipe Line Co. Lat. 29°54', long. 95°37'. Drilled unused artesian well in sand, diameter 6 inches, depth 100 feet. Highest water level 32.62 below lsd, Feb. 23, 1950; lowest 60.75 below lsd, Sept. 18, 1952. Records available: 1948-53. Feb. 9, 51.25; June 16, 56.26; Sept. 29, 59.64; Dec. 17, 55.00.

211. Amerada-Stanolind. Lat. 29°54', long. 95°35'. Drilled stock artesian well in sand, diameter 6 inches, depth 278 feet, screen 261-278. Highest water level 38.91 below lsd, Mar. 13, 1947; lowest 81.99 below lsd, Sept. 18, 1952. Records available: 1946-53. Feb. 6, 68.66; June 16, 77.73; Sept. 29, 79.59.

225. Trinity & Brazos Valley Railway Co. Lat. 29°55', long. 95°31'. Drilled unused artesian well in sand, diameter 10 to 8 inches, depth 616 feet, screen 576-616. Highest water level flowing, May 25-Oct. 13, 1944; lowest 118.94 below lsd, Sept. 29, 1953. Records available: 1938-53. Feb. 4, 92.44; June 19, 102.03; Sept. 29, 118.94; Dec. 10, 102.81.

226. W. A. Fraser. Lat. 29°55', long. 95°34'. Drilled irrigation artesian well in sand, diameter 20 to 10 inches, depth 740 feet, casing slotted opposite sands below 104. Highest water level 18.16 below lsd, Apr. 21, 1944; lowest 101.70 below lsd, Sept. 12, 1952. Records available: 1941-53. Feb. 9, 68.95; Dec. 17, 73.25.

229. F. S. Clancy. Lat. 29°56', long. 95°33'. Drilled irrigation artesian well in sand, diameter 18 inches, depth 747 feet. Highest water level 41.22 below lsd, Jan. 17, 1946; lowest 62.32 below lsd, Sept. 28, 1949. Records available: 1946-51. Measurement discontinued.

231. Jack Frazier Drilling Co. Lat. 29°51', long. 95°29'. Drilled unused artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 49.94 below lsd, July 9, 1946; lowest 98.52 below lsd, Dec. 9, 1953. Records available: 1946-53. Feb. 4, 87.30; June 22, 89.67; Sept. 29, 97.89; Dec. 9, 98.52.

249. United Gas Corp. Lat. 29°54', long. 95°26'. Drilled unused artesian well in sand, diameter 4 inches, depth 350 feet. Highest water level 37.70 below lsd, June 21, 1950; lowest 61.25 below lsd, June 4, 1947. Records available: 1946-53. Feb. 4, 49.46; June 19, 56.13; Dec. 10, 54.98.

253. Homer J. Moore. Lat. 29°56', long. 95°25'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 1,117 feet, screens opposite sands between 251 and 1,048. Highest water level 15.33 below lsd, Nov. 2, 1944; lowest 108.61 below lsd, Sept. 30, 1953. Records available: 1944-53. Feb. 4, 92.89; Sept. 30, 108.61; Dec. 10, 103.40.

255. J. M. Blake. Lat. 29°57', long. 95°25'. Dug farm water-table well in sand, diameter 5 feet, depth 41 feet, cribbed with brick. Highest water level 5.32 below lsd, Jan. 29, 1947; lowest 25.6 below lsd, Dec. 8, 1950. Records available: 1931, 1937-53. Feb. 4, 21.48; Sept. 30, 25.20.

258. F. M. Corzeliuss. Lat. 29°57', long. 95°24'. Drilled industrial artesian well in sand, diameter 4 inches, depth 325 feet. Highest water level 41.92 below lsd, Dec. 18, 1946; lowest 75.23 below lsd, Sept. 15, 1952. Records available: 1946-53. Feb. 3, 73.64.

264. H. Weary. Lat. 29°58', long. 95°23'. Drilled unused artesian well in sand, diameter 4 inches, depth 1,610 feet, screen at about 900. Highest water level 3.0 below lsd, May 29, 1931; lowest 83.19 below lsd, Sept. 30, 1953. Records available: 1931-33, 1935-53. Feb. 3, 73.84; June 18, 82.62; Sept. 30, 83.19; Dec. 10, 81.32.

268. City of Houston test well 10-A. Westfield. Lat. 30°01', long. 95°24'. Drilled observation artesian well in sand, diameter 3 inches, depth 793 feet, screen 757-772. Highest water level 34.9 above lsd, Sept. 20, 1944; lowest 78.87 below lsd, Oct. 26, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	70.56	Apr. 27	70.12	July 23	75.12	Oct. 26	78.87
Feb. 25	70.31	May 25	70.11	Aug. 25	78.06	Nov. 25	78.57
Mar. 24	70.20	June 24	72.36	Sept. 24	78.51	Dec. 18	77.29

269. City of Houston test well 7. Westfield. Lat. 30°01', long. 95°24'. Drilled observation artesian well in sand, diameter 3 inches, depth 1,052 feet, screen 1,037-1,052. Highest water level 31.0 above lsd, Sept. 24, 1943; lowest 56.66 below lsd, Dec. 18, 1953. Records available: 1939, 1943-53.

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Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	47.54	Apr. 27	49.40	July 23	51.30	Oct. 26	54.70
Feb. 25	48.08	May 25	49.63	Aug. 25	52.42	Nov. 25	55.41
Mar. 24	48.61	June 24	50.53	Sept. 24	53.53	Dec. 18	56.66

280. Pan-American Pipe Line Co. Lat. 29°52', long. 95°10'. Drilled industrial artesian well in sand, diameter 6 inches, depth 390 feet, screen 361-382. Highest water level 52.90 below lsd, Sept. 22, 1943; lowest 95.55 below lsd, June 11, 1951. Records available: 1940, 1943-53. Feb. 17, 81.96; June 2, 82.15; Sept. 23, 84.31; Dec. 7, 84.54.

286. Jack Frazier Drilling Co. Lat. 29°52', long. 95°15'. Drilled unused artesian well in sand, diameter 4 inches, depth 250 feet, screen 230-250. Highest water level 51.0 below lsd, July 1940; lowest 89.98 below lsd, Dec. 10, 1953. Records available: 1940, 1943-53. Feb. 3, 85.38; June 18, 87.53; Sept. 30, 89.30; Dec. 10, 89.98.

291. A. T. McDannald. Lat. 29°55', long. 95°15'. Drilled farm artesian well in sand, diameter 4 inches, depth 1,308 feet, screen 1,268-1,308. Highest water level 15 below lsd, 1931; lowest 67.36 below lsd, Dec. 10, 1953. Records available: 1931, 1943-53. Feb. 3, 64.24; June 18, 65.41; Sept. 30, 66.69; Dec. 10, 67.36.

302. A. T. McDannald. Lat. 29°58', long. 95°13'. Drilled unused artesian well in sand, diameter 7 inches, depth 1,000 feet. Highest water level 33.70 below lsd, Mar. 14, 1939; lowest 106.78 below lsd, Dec. 10, 1953. Records available: 1939-41, 1943-53. Feb. 3, 99.22; June 18, 100.59; Sept. 30, 103.43; Dec. 10, 106.78.

305. A. T. McDannald. Lat. 29°55', long. 95°15'. Drilled unused water-table well in sand, diameter 8 inches, depth 47 feet. Highest water level 4.54 below lsd, Jan. 29, 1947; lowest 13.44 below lsd, Dec. 18, 1952. Records available: 1943-53. Feb. 3, 12.93; June 18, 11.57; Sept. 30, 13.27; Dec. 10, 13.07.

306. Bender Estate. Lat. 29°59', long. 95°12'. Drilled unused artesian well in sand, diameter 5 inches, depth 392 feet, screen 338-358. Highest water level 47.53 below lsd, July 6, 1945; lowest 90.03 below lsd, Dec. 10, 1953. Records available: 1945-53. Feb. 3, 84.93; June 18, 85.72; Sept. 30, 88.70; Dec. 10, 90.03.

326. Gulf Pipe Line Co. Lat. 29°52', long. 95°03'. Drilled unused artesian well in sand, diameter 6 inches, depth 533 feet, screen 463-523. Highest water level 21.94 below lsd, Oct. 29, 1931; lowest 95.98 below lsd, Dec. 7, 1953. Records available: 1931, 1947-53. Feb. 17, 92.8; June 2, 91.53; Sept. 23, 95.86; Dec. 7, 95.98.

334a. E. M. Dunks. Lat. 30°01', long. 95°05'. Drilled stock artesian well in sand, diameter 4 inches, depth 180 feet. Highest water level 5.57 below lsd, Feb. 3, 1948; lowest 18.20 below lsd, Sept. 11, 1951. Records available: 1947-53. June 2, 12.56; Sept. 23, 15.31; Dec. 7, 10.71.

336. Sinclair Refining Co. Lat. 30°03', long. 95°05'. Drilled industrial artesian well in sand, diameter 10 inches, depth 621 feet. Highest water level 15.44 below lsd, Feb. 3, 1948; lowest 49.03 below lsd, Sept. 11, 1951. Records available: 1947-53. Feb. 17, 35.29; June 2, 36.23; Sept. 23, 48.93; Dec. 7, 39.55.

352. A. E. Thompson. Lat. 29°52', long. 95°49'. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 470 feet, screens 68-180, 392-450. Highest water level 48.07 below lsd, Mar. 10, 1939; lowest 68.1 below lsd, Nov. 13, 1951. Records available: 1939-52. No measurement made in 1953.

362. E. G. Stockdick well 2. Lat. 29°49', long. 95°46'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 500 feet. Highest water level 28 below lsd, 1905; lowest 72.73 below lsd, Nov. 20, 1953. Records available: 1905, 1928, 1931, 1933, 1938-53. Mar. 25, 67.50; Nov. 20, 72.73.

367. W. C. Hickman. Lat. 29°48', long. 95°46'. Drilled irrigation artesian well in sand, diameter 16 to 10 inches, depth 535 feet, screens between 110 and 407. Highest water level 34.50 below lsd, May 1930; lowest 78.47 below lsd, Nov. 20, 1953. Records available: 1930, 1938-53. Mar. 25, 69.53; Nov. 20, 78.47.

371. L. E. Morrison well 1. Lat. 29°45', long. 95°46'. Drilled irrigation artesian well in sand, diameter 24 to 8 inches, depth 374 feet. Highest water level 39.96 below lsd, Jan. 6, 1939; lowest 74.60 below lsd, Nov. 16, 1951. Records available: 1939-53. Mar. 25, 66.90.

381. W. H. Hegar. Lat. 29°52', long. 95°45'. Drilled unused artesian well in sand, diameter 8 inches, depth 95 feet. Highest water level 17.50 below lsd, June 12, 1931; lowest 67.74 below lsd, Nov. 23, 1953. Records available: 1931-33, 1939-53. Mar. 30, 38.65; Nov. 23, 67.74.

384. A. J. Jordens. Lat. 29°49', long. 95°44'. Drilled unused artesian well in sand, diameter 18 to 6 inches, depth 505 feet. Highest water level 33.72 below lsd, Mar. 17, 1933; lowest 71.98 below lsd, Nov. 26, 1952. Records available: 1932-33, 1939-53. Mar. 25, 66.30.

385. A. J. Jordens. Lat. 29°49', long. 95°44'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 359 feet, screens opposite sands below 60. Highest water level 35.70 below lsd, Mar. 17, 1933; lowest 72.33 below lsd, Nov. 20, 1953. Records available: 1933, 1939-53. Mar. 25, 64.55; Nov. 20, 72.33.

399. Gertie Rice Farm. Lat. 29°51', long. 95°41'. Drilled irrigation artesian well in sand, diameter 20 to 11 inches, depth 280 feet, screens opposite sands below 79. Highest water level 28.28 below lsd, Mar. 8, 1939; lowest 55.75 below lsd, Nov. 25, 1952. Records available: 1939-53. Mar. 25, 51.18.

420. E. A. Showers. Lat. 29°44', long. 95°32'. Drilled unused artesian well in sand, diameter 4 inches, depth 231 feet, screen 198-231. Highest water level 46.56 below lsd, Feb. 4, 1947; lowest 96.27 below lsd, Sept. 19, 1952. Records available: 1946-53. Feb. 6, 81.34.

422. Cities Service Oil Co. Lat. 29°44', long. 95°33'. Drilled unused artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 38.57 below lsd, Dec. 13, 1946; lowest 91.13 below lsd, Sept. 14, 1951. Records available: 1946-53. June 19, 88.39.

424. Buffalo Oaks. Lat. 29°44', long. 95°35'. Drilled public-supply artesian well in sand, diameter 6 inches, depth 644 feet, screen 526-565, 573-644. Highest water level 53.22 below lsd, Mar. 14, 1947; lowest 104.98 below lsd, Oct. 1, 1953. Records available: 1946-53. Feb. 5, 91.60; Oct. 1, 104.98.

456. Frank Willberg. Lat. 29°50', long. 95°31'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 230 feet, screen 210-230. Highest water level 29.75 below lsd, Apr. 2, 1931; lowest 98.50 below lsd, Sept. 29, 1953. Records available: 1931, 1939-53. Feb. 4, 90.38; June 16, 90.24; Sept. 29, 98.50; Dec. 17, 96.96.

473. H. W. Rasmussen. Lat. 29°45', long. 95°30'. Drilled farm artesian well in sand, diameter 6 inches, depth 416 feet, screen 386-416. Highest water level 30.52 below lsd, Mar. 27, 1939; lowest 115.44 below lsd, Oct. 1, 1953. Records available: 1938-53. Feb. 6, 101.88; June 15, 108.83; Oct. 1, 115.44; Dec. 21, 109.21.

480. John Pillot. Lat. 29°44', long. 95°40'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 512 feet, casing slotted opposite sands below 107. Highest water level 22.36 below lsd, Mar. 25, 1953; lowest 65.93 below lsd, Nov. 13, 1951. Records available: 1941-53. Mar. 25, 22.36; Nov. 23, 30.13.

489. City of Houston test well 4a. Lat. 29°42', long. 95°37'. Drilled observation artesian well in sand, diameter 3½ inches, depth 470 feet, screen 449-464. Highest water level 25.88 below lsd, May 29, 1939; lowest 95.69 below lsd, Sept. 17, 1952. Records available: 1939-52. Measurement discontinued.

490. City of Houston test well 5. Lat. 29°42', long. 95°35'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,188 feet, screen 1,167-1,182. Highest water level 36.00 below lsd, May 5, 1939; lowest 139.04 below lsd, Oct. 26, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	128.92	Apr. 27	127.88	July 23	134.00	Oct. 26	139.04
Feb. 25	127.53	May 25	127.40	Aug. 25	137.37	Nov. 25	137.13
Mar. 24	127.07	June 24	130.59	Sept. 24	138.22	Dec. 18	135.43

504. Dr. E. W. K. Andrau. Lat. 29°43', long. 95°35'. Drilled irrigation artesian well in sand, diameter 24 inches, depth 608 feet. Highest water level 47.06 below lsd, Mar. 14, 1947; lowest 99.64 below lsd, Sept. 14, 1951. Records available: 1946-51, 1953. Feb. 5, 82.55; Oct. 1, 96.18; Dec. 21, 88.27.

512. Joe Kowis. Lat. 29°49', long. 95°29'. Drilled unused artesian well in sand, diameter 6 inches, depth 50 feet. Highest water level 0.2 below lsd, Feb. 23, 1950; lowest 18.28 below lsd, Dec. 19, 1951. Records available: 1931-53. Feb. 4, 3.45; June 17, 6.19; Sept. 29, 7.78; Dec. 17, 2.98.

519. Felix Meyers. Lat. 29°48', long. 95°27'. Drilled domestic artesian well in sand, diameter 4 inches, depth 52 feet. Highest water level 1.69 below lsd, Feb. 23, 1950; lowest 18.55 below lsd, Sept. 18, 1951. Records available: 1937-53. Feb. 4, 4.24.

538. The Bayou Club. Lat. 29°46', long. 95°27'. Drilled farm artesian well in sand, diameter 8 to 6 inches, depth 481 feet, screen 278-298, 344-365, 455-475. Highest water level 53.0 below lsd, July 30, 1940; lowest 114.95 below lsd, Dec. 5, 1950. Records available: 1940, 1943-53. Feb. 19, 72.30; June 11, 70.53; Dec. 8, 63.63.

585. Houston Textile Mills, Inc. Lat. 29°49', long. 95°22'. Drilled industrial artesian well in sand, diameter 12 inches, depth 950 feet. Highest water level 52.99 below lsd, Mar. 21, 1931; lowest 212.45 below lsd, Oct. 1, 1953. Records available: 1931, 1938-41, 1949-53. Feb. 4, 191.30; June 18, 203.16; Oct. 1, 212.45; Dec. 16, 201.50.

591. City of Houston, Heights well 3. Lat. 29°48', long. 95°24'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 1,034 feet, screens opposite sands below 514. Highest water level 74.03 below lsd, Mar. 1, 1938; lowest 235.24 below lsd, Sept. 25, 1953. Records available: 1938-53. June 11, 226.80; Sept. 25, 235.24; Dec. 8, 219.50.

602. River Oaks Country Club. Lat. 29°45', long. 95°25'. Drilled unused artesian well in sand, diameter 10 to 8 inches, depth 887 feet, screen 675-715, 775-864. Highest water level 39.00 below lsd, Apr. 15, 1933; lowest 165.91 below lsd, Oct. 10, 1953. Records available: 1931-53. Feb. 6, 151.50; June 16, 158.89; Oct. 10, 165.91; Dec. 21, 162.54.

604. Horlock Ice Co. Lat. 29°46', long. 95°24'. Drilled industrial artesian well in sand, diameter 8 inches, depth 340 feet. Highest water level 53.78 below lsd, Mar. 1, 1935; lowest 116.01 below lsd, Sept. 25, 1953. Records available: 1931-53. Feb. 19, 110.15; June 11, 113.91; Sept. 25, 116.01; Dec. 12, 114.78.

619. City of Houston, Lincoln Pool well. Lat. 29°45', long. 95°22'. Drilled unused artesian well in sand, diameter 4 inches, depth 900 feet. Highest water level 46.86 below lsd, Apr. 15, 1933; lowest 185.13 below lsd, Oct. 26, 1953. Records available: 1931-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	173.04	Apr. 27	174.08	July 23	181.89	Oct. 26	185.13
Feb. 25	174.15	May 25	174.78	Aug. 25	182.83	Nov. 25	182.42
Mar. 24	172.50	June 24	180.26	Sept. 24	184.68	Dec. 18	182.94

651a. L. P. Mallett. Lat. 29°53', long. 95°23'. Drilled unused artesian well in sand, diameter 4 inches, depth 367 feet, screen 343-367. Highest water level 51.89 below lsd, Mar. 4, 1939; lowest 142.00 below lsd, Sept. 30, 1953. Records available: 1938-53. Feb. 3, 129.22; June 19, 134.70; Sept. 30, 142.00; Dec. 10, 138.61.

651b. L. P. Mallett. Lat. 29°53', long. 95°23'. Drilled farm water-table well in sand, diameter 2 inches, depth 50 feet. Highest water level 5.62 below lsd, Nov. 4, 1941; lowest 22.54 below lsd, Sept. 19, 1951. Records available: 1938-53. Feb. 3, 17.73.

656. Texas Creosoting Co. Lat. 29°49', long. 95°21'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 666 feet, screen 662-666. Highest water level 54.45 below lsd, May 12, 1933; lowest 207.47 below lsd, Sept. 9, 1953. Records available: 1931-53. Feb. 17, 195.21; June 9, 198.84; Sept. 9, 207.47; Dec. 8, 204.48.

663. South Texas Cotton Oil Co. well 1. Lat. 29°47', long. 95°20'. Drilled unused artesian well in sand, diameter 24 to 10 inches, depth 740 feet, screens between 371-736. Highest water level 52.10 below lsd, Mar. 9, 1933; lowest 98.63 below lsd, Sept. 9, 1953. Records available: 1931-34, 1938-53. June 9, 98.32; Sept. 9, 98.63; Dec. 7, 96.22.

664. South Texas Cotton Oil Co. well 3. Lat. 29°47', long. 95°20'. Drilled industrial artesian well in sand, diameter 16 inches, depth 780 feet. Highest water level 145.28 below lsd, Sept. 3, 1946; lowest 205.21 below lsd, Dec. 7, 1953. Records available: 1946-53. Feb. 17, 196.58; Dec. 7, 205.21.

666a. Houston Foundry & Machine Co. 2005 White St., Houston. Lat. 29°46', long. 95°22'. Drilled unused artesian well in sand, diameter 6 inches, depth 900 feet. Highest water level 71.65 below lsd, Feb. 20, 1939; lowest 142.38 below lsd, Dec. 8, 1953. Records available: 1938-53. Feb. 19, 136.41; June 17, 137.96; Sept. 25, 142.04; Dec. 8, 142.38.

711. San Jacinto Hotel. 820 Main St. Lat. 29°45', long. 95°21'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 884 feet, screen 824-884. Highest water level 118.30 below lsd, Jan. 23, 1942; lowest 216.85 below lsd, June 11, 1952. Records available: 1940-52. Measurement discontinued.

748. Gulf Pipe Line Co. Lat. 29°47', long. 95°47'. Drilled unused artesian well in sand, diameter 6 inches, depth 721 feet, screen 539-579, 697-714. Highest water level 4.0 above lsd, Nov. 1911; lowest 196.48 below lsd, June 2, 1953. Records available: 1911, 1931, 1939-53. Feb. 17, 193.86; June 2, 196.48. Measurement discontinued.

751. The Texas Pipe Line Co. Lat. 29°47', long. 95°47'. Drilled unused artesian well in sand, diameter 6 inches, depth 540 feet. Highest water level 48.08 below lsd, May 12, 1933; lowest 210.81 below lsd, Dec. 3, 1953. Records available: 1931-53. Feb. 13, 202.36; June 9, 197.94; Sept. 9, 209.27; Dec. 3, 210.81.

757. Layne-Bowler Co. Lat. 29°46', long. 95°17'. Drilled industrial artesian well in sand, diameter 10 inches, depth 676 feet, screen 577-635, 649-670. Highest water level 53.72 below lsd, Apr. 15, 1933; lowest 223.61 below lsd, Sept. 9, 1953. Records available: 1929, 1931-53. Feb. 13, 214.69; June 9, 217.95; Sept. 9, 223.61; Dec. 3, 221.56.

759. Port City Compress & Warehouse Co. Lat. 29°45', long. 95°17'. Drilled industrial artesian well in sand, diameter 4 inches, depth 569 feet, screen 544-566. Highest water level 55.95 below lsd, May 6, 1932; lowest 235.56 below lsd, Sept. 9, 1953. Records available: 1931-53. Feb. 16, 226.50; June 9, 229.90; Sept. 9, 235.56; Dec. 3, 233.16.

788. Shepherd Laundries. 2400 Louisiana St. Lat. 29°44', long. 95°22'. Drilled industrial artesian well in sand, diameter 8 to 6 inches, depth 1,416 feet, screen 1,336-1,377, 1,395-1,416. Highest water level 97.72 below lsd, Feb. 5, 1939; lowest 196.44 below lsd, Dec. 8, 1953. Records available: 1938-41, 1948-53. Feb. 19, 190.94; June 11, 192.26; Sept. 25, 194.59; Dec. 8, 196.44.

798. Rice Institute. Lat. 29°43', long. 95°29'. Drilled unused artesian well in sand, diameter 6 inches, depth 900 feet. Highest water level 61.02 below lsd, Mar. 18, 1939; lowest 138.66 below lsd, Dec. 8, 1953. Records available: 1931, 1938-42, 1949-53. Feb. 19, 130.08; June 11, 132.42; Sept. 25, 138.05; Dec. 8, 138.66.

798a. H. C. Weiss. South Main and Sunset Sts. Lat. 29°43', long. 95°23'. Drilled domestic artesian well in sand, diameter 6 inches, depth 404 feet, screen 360-402. Highest water level 64 below lsd, Apr. 24, 1936; lowest 135.61 below lsd, Sept. 25, 1953. Records available: 1936, 1938-53. Feb. 19, 127.83; Sept. 25, 135.61.

807a. City of Bellaire well 1. Rice and Jessamine Sts. Lat. 29°42', long. 95°28'. Drilled public-supply artesian well in sand, diameter 10 to 5 inches, depth 827 feet, screen 651-708. Highest water level 39.00 below lsd, Feb. 1937; lowest 151.73 below lsd, Sept. 29, 1953. Records available: 1937-42, 1946-53. Feb. 19, 134.71; June 11, 144.13; Sept. 29, 151.73; Oct. 29, 150.95.

812. Harris County School for Girls. Lat. 29°42', long. 95°28'. Drilled unused artesian well in sand, diameter 6 inches, depth 400 feet. Highest water level 53.13 below lsd, June 24, 1943; lowest 129.62 below lsd, Sept. 25, 1953. Records available: 1943-53. Feb. 19, 117.00; June 11, 121.64; Sept. 25, 129.62; Dec. 8, 126.85.

853. Houston Ice & Cold Storage Co. 2715 McKinney St. Lat. 29°44', long. 95°20'. Drilled unused artesian well in sand, diameter 6 inches, depth 650 feet. Highest water level 62.40 below lsd, Jan. 28, 1933; lowest 151.86 below lsd, Dec. 10, 1952. Records available: 1931-53. Feb. 10, 150.29.

876. Houston Country Club. Lat. 29°43', long. 95°18'. Drilled unused artesian well in sand, diameter 24 inches, depth 697 feet. Highest water level 40.96 below lsd, Mar. 9, 1933; lowest 195.07 below lsd, Dec. 10, 1952. Records available: 1931-34, 1937-53. Feb. 10, 192.74; June 4, 193.67; Sept. 22, 195.03.

878. Gulf Atlantic Warehouse Co. Lat. 29°44', long. 95°17'. Drilled industrial artesian well in sand, diameter 15 to 8 inches, depth 905 feet, screen 713. Highest water level 41.55 below lsd, Apr. 7, 1932; lowest 218.96 below lsd, Nov. 30, 1953. Records available: 1931-53. Feb. 10, 214.99; June 4, 216.29; Nov. 30, 218.96.

879. City of Houston, Magnolia Park well 2. 7300 Canal St. Lat. 29°44', long. 95°17'. Drilled unused artesian well in sand, diameter 24 to 12 inches, depth 1,033 feet, screens opposite sands below 475. Highest water level 40.0 below lsd, June 1925; lowest 228.1 below lsd, Sept. 5, 1953. Records available: 1925, 1939, 1941-42, 1945-53.

879--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	218.6	218.3	217.5	.....	220.0	220.9	224.6	226.0	227.2	226.9	226.7	225.5
2	218.6	218.2	217.4	.....	219.8	220.9	224.6	225.7	227.6	227.0	226.4	225.5
3	218.7	218.5	217.4	.....	219.6	221.1	224.6	225.5	227.8	226.9	226.3	225.6
4	218.6	218.6	217.6	.....	219.5	221.3	224.4	225.5	228.0	226.9	226.1	225.8
5	218.6	218.5	218.0	.....	219.7	221.4	224.1	225.6	228.1	226.8	226.0	225.8
6	218.8	218.4	217.9	.....	219.8	221.7	224.0	225.7	228.0	226.8	225.9	225.8
7	218.8	218.5	217.8	.....	219.9	221.7	224.2	225.8	227.9	226.8	225.9	225.7
8	219.1	218.1	217.6	.....	219.8	221.7	224.3	225.9	227.9	227.0	225.7	225.7
9	219.2	218.0	217.5	.....	220.0	222.0	224.5	225.9	227.9	227.0	225.6	225.6
10	219.2	218.0	217.7	.....	219.9	222.2	224.5	225.7	227.7	227.0	225.6	225.5
11	219.1	218.1	217.8	.....	219.9	222.5	224.6	225.7	227.6	226.9	225.6	225.3
12	219.0	218.2	217.9	.....	220.0	222.7	224.5	226.0	227.3	226.8	225.7	225.1
13	219.0	218.2	218.0	.....	220.0	222.9	224.5	226.3	227.1	227.0	225.8	224.9
14	219.2	218.1	217.9	.....	220.2	222.8	224.7	226.4	227.0	227.2	225.6	225.0
15	219.2	217.9	217.9	.....	220.3	222.8	224.9	226.6	227.0	227.2	225.6	224.8
16	219.2	217.8	217.8	.....	220.0	222.9	225.1	226.8	227.1	227.3	225.3	224.8
17	219.2	217.9	217.9	219.8	219.9	223.2	225.2	226.6	227.2	227.4	225.5	224.9
18	219.1	218.0	218.0	219.9	219.6	223.4	225.4	226.5	227.2	227.2	225.4	224.9
19	219.0	217.9	218.1	220.0	219.8	223.6	225.1	226.6	227.5	227.2	225.4	224.9
20	219.1	218.0	.....	219.9	220.1	223.8	225.1	226.7	227.3	227.3	225.5	224.7
21	219.2	218.1	.....	219.7	220.2	223.8	225.2	226.7	227.4	227.5	225.4	224.5
22	219.1	217.9	.....	219.7	220.4	223.6	225.4	226.8	227.5	227.6	225.4	224.5
23	219.0	217.8	.....	219.7	220.7	223.8	225.5	227.1	227.3	227.6	225.4	224.6
24	218.9	217.7	.....	219.7	220.6	224.1	225.6	227.1	227.2	227.6	225.6	224.3
25	218.6	217.8	.....	219.7	220.5	224.4	225.7	227.2	227.0	227.4	225.9	224.9
26	218.5	217.9	.....	219.6	220.7	224.5	225.6	227.4	227.2	227.2	225.7	223.5
27	218.6	218.0	.....	219.6	220.8	224.6	225.5	227.3	227.0	227.4	225.6	222.9
28	218.7	217.7	.....	219.7	220.9	224.4	225.5	227.3	226.7	227.4	225.7	222.8
29	218.7	.....	.....	219.5	221.0	224.2	225.7	227.4	226.7	227.4	225.5	223.0
30	218.7	.....	.....	219.7	221.1	224.4	225.9	227.3	226.9	227.2	225.5	223.1
31	218.5	.....	.....	.....	221.0	.....	226.1	227.3	.....	227.0	.....	223.4

881. Terminal Compress & Warehouse Co. 82d and Harrisburg Sts. Lat. 29°43', long. 95°16'. Drilled unused artesian well in sand, diameter 6 to 4 inches, depth 650 feet. Highest water level 43.04 below lsd, Apr. 14, 1933; lowest 231.98 below lsd, Dec. 10, 1952. Records available: 1931-53. Feb. 10, 224.14; June 4, 224.86; Sept. 22, 231.58; Nov. 30, 229.40.

898a. Allen Estate. Park Place and Poplar Sts. Lat. 29°41', long. 95°17'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 900 feet, screen 834-876. Highest water level 62.74 below lsd, June 21, 1937; lowest 214.96 below lsd, Sept. 22, 1953. Records available: 1937-53. Feb. 10, 206.82; June 12, 209.56; Sept. 22, 214.96; Nov. 30, 214.95.

909. J. W. Madden. Lat. 29°37', long. 95°18'. Drilled farm artesian well in sand, diameter 8 inches, depth 343 feet. Highest water level 18.77 below lsd, Apr. 9, 1931; lowest 74.8 below lsd, Dec. 21, 1953. Records available: 1931, 1934, 1940-53. Feb. 5, 67.21; Sept. 28, 73.53; Dec. 21, 74.8.

933. Champion Paper & Fibre Co. Lat. 29°49', long. 95°13'. Drilled observation artesian well in sand, diameter 3 inches, depth 850 feet, screen 841-850. Highest water level 48.20 below lsd, July 1938; lowest 211.49 below lsd, Sept. 23, 1953. Records available: 1938-53. Feb. 17, 187.95; June 2, 197.51; Sept. 23, 211.49; Dec. 7, 204.54.

934. Champion Paper & Fibre Co. Lat. 29°49', long. 95°13'. Drilled observation artesian well in sand, diameter 4 inches, depth 135 feet, screen 126-135. Highest water level 35.19 below lsd, Feb. 14, 1940; lowest 99.20 below lsd, Dec. 7, 1953. Records available: 1938-53. Feb. 17, 98.06; June 2, 99.09; Sept. 23, 99.06; Dec. 7, 99.20.

939. San Jacinto Ordnance Depot construction well 2. Lat. 29°44', long. 95°07'. Drilled unused artesian well in sand, diameter 8 to 5 inches, depth 447 feet, screen 397-447. Highest water level 95 below lsd, Aug. 10, 1941; lowest 193.90 below lsd, June 10, 1953. Records available: 1941, 1943-53. Feb. 16, 189.32; June 10, 193.90.

940. San Jacinto Ordnance Depot construction well 1. Lat. 29°45', long. 95°06'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 451 feet, screen 399-449. Highest water level 95 below lsd, Aug. 18, 1941; lowest 186.65 below lsd, Dec. 4, 1953. Records available: 1941, 1943-53. Feb. 16, 181.30; June 10, 186.03; Sept. 10, 183.56; Dec. 4, 186.65.

943. Gulf Pipe Line Co. Lynchburg. Lat. 29°46', long. 95°04'. Drilled industrial artesian well in sand, diameter 6 inches, depth 434 feet, screen 328-415. Highest water level 82.90 below lsd, Jan. 24, 1944; lowest 142.14 below lsd, Dec. 4, 1953. Records available: 1943-53. Feb. 16, 139.60; June 10, 140.41; Sept. 10, 141.14; Dec. 4, 142.14.

947. Leon J. Vetrano. Lat. 29°50', long. 95°06'. Drilled industrial artesian well in sand, diameter 12 inches, depth 312 feet, screen 201-209, 225-291. Highest water level 65 below lsd, Feb. 9, 1940; lowest 118.93 below lsd, Sept. 10, 1952. Records available: 1940, 1943-53. Feb. 17, 107.57; Sept. 23, 111.98; Dec. 7, 110.58.

1100d. Du Pont Chemical Plant. Lat. 29°42', long. 95°02'. Drilled observation artesian well in sand, diameter 4 inches, depth 989 feet, screen 979-989. Highest water level 123.14 below lsd, Sept. 17, 1947; lowest 187.48 below lsd, Dec. 1, 1953. Records available: 1947-53. Feb. 12, 178.44; June 5, 181.93; Sept. 8, 187.35; Dec. 1, 187.48.

1100e. Du Pont Chemical Plant. Lat. 29°41', long. 95°02'. Drilled observation artesian well in sand, diameter 4 inches, depth 538 feet, screen 528-538. Highest water level 136.94 below lsd, Dec. 2, 1947; lowest 182.89 below lsd, Dec. 1, 1953. Records available: 1947-53. Feb. 12, 178.32; June 5, 177.16; Sept. 8, 177.95; Dec. 1, 182.89.

1100f. Du Pont Chemical Plant. Lat. 29°41', long. 95°05'. Drilled observation well in sand, diameter 4 inches, depth 505 feet, screen 495-505. Highest water level 133.87 below lsd, Dec. 2, 1947; lowest 182.84 below lsd, Dec. 1, 1953. Records available: 1947-53. Feb. 12, 179.15; June 5, 180.56; Sept. 8, 181.18; Dec. 1, 182.84.

1104. City of La Porte well 1. Lat. 29°39', long. 95°01'. Drilled public-supply artesian well in sand, diameter 10 inches, depth 570 feet, screen 500-570. Highest water level 40 below lsd, Apr. 1930; lowest 145.98 below lsd, Sept. 6, 1951. Records available: 1930-31, 1937, 1940-53. Feb. 12, 123.09; Sept. 9, 143.90; Dec. 1, 125.91.

1106. West & Siabara. Lat. 29°39', long. 95°05'. Drilled irrigation artesian well in sand, diameter 24 to 10 inches, depth 912 feet, screen 299-322, 498-587, 747-910. Highest water level 104.23 below lsd, Apr. 25, 1946; lowest 154.98 below lsd, Dec. 11, 1952. Records available: 1946-52. No measurement made in 1953.

1117. Humble Oil & Refining Co. Lat. 29°37', long. 95°07'. Drilled unused artesian well in sand, diameter 4 inches, depth 526 feet, screen 505-526. Highest water level 67.29 below lsd, June 5, 1940; lowest 143.60 below lsd, Dec. 1, 1953. Records available: 1940, 1944-53. Dec. 1, 143.60.

1152a. City of Galena Park well 1. Galena Park. Lat. 29°44', long. 95°14'. Drilled public-supply artesian well in sand, diameter 13 to 6 inches, depth 680 feet, screen 593-677. Highest water level 67.00 below lsd, Jan. 13, 1937; lowest 280.34 below lsd, June 9, 1953. Records available: 1937, 1939-53. Feb. 13, 276.80; June 9, 280.34; Dec. 22, 278.82.

1161. Sinclair Refining Co. well 6. Lat. 29°42', long. 95°14'. Drilled unused artesian well in sand, diameter 24 to 8 inches, depth 1,228 feet, screen 741-781, 925-965, 1,118-1,228. Highest water level 96.70 below lsd, Mar. 30, 1939; lowest 286.8 below lsd, Sept. 6, Oct. 21-22, 1953. Records available: 1924, 1937-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	281.7	281.9	279.4	281.5	284.9	278.7	285.5	284.8	285.7	286.0	283.0	285.4
2	282.0	281.4	279.1	281.1	284.8	278.7	285.6	284.5	286.0	285.6	283.3	285.5
3	282.9	281.4	279.1	281.8	284.6	279.4	285.4	283.8	286.1	285.1	283.1	285.6
4	283.0	281.2	279.1	281.4	284.6	279.5	284.4	284.0	286.5	284.9	.....	285.6
5	283.0	280.9	278.8	280.8	284.6	279.2	284.4	284.4	286.7	285.1	283.1	285.7
6	283.0	281.0	278.8	280.8	284.5	279.0	284.5	283.9	286.8	286.2	283.3	285.3
7	282.9	281.0	278.9	280.9	284.8	278.9	284.1	284.0	286.5	286.4	282.1	285.0
8	282.9	280.9	278.9	280.6	284.7	279.0	283.6	283.9	286.4	285.4	280.9	284.7
9	283.2	280.7	279.0	280.9	284.7	280.1	283.7	284.2	286.7	285.2	280.8	283.6
10	283.2	280.8	279.0	281.7	285.4	280.7	283.6	285.1	286.0	284.8	281.3	282.6
11	283.2	280.9	279.1	283.2	285.8	280.7	283.4	285.7	285.4	284.2	282.3	282.4
12	283.9	281.2	279.2	283.4	284.9	281.6	283.0	285.9	285.1	283.8	283.0	282.2
13	283.0	281.1	279.3	283.4	284.3	282.5	282.7	286.0	284.9	283.7	283.7	281.0
14	283.2	281.1	279.3	283.6	282.9	282.0	282.5	286.0	284.8	284.2	284.3	282.4
15	283.0	281.4	278.7	284.1	281.3	281.9	283.7	285.7	284.8	284.9	284.2	282.5
16	283.0	281.3	278.5	284.4	281.1	281.5	283.8	285.7	284.8	285.9	284.1	281.2
17	283.1	281.4	278.4	284.5	280.7	281.6	283.0	285.0	285.1	286.2	284.0	280.6
18	282.9	281.2	278.8	284.5	280.5	281.6	282.5	285.0	285.4	286.3	284.1	279.9
19	283.2	281.0	279.3	285.1	280.4	281.9	282.1	285.1	285.3	286.5	284.5	279.8
20	283.3	281.0	280.2	285.6	280.0	282.0	282.1	284.8	285.5	286.7	284.5	279.3

1161--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	283.2	280.8	280.9	285.9	280.2	282.0	282.5	284.6	285.4	286.8	284.6	279.3
22	282.8	280.4	281.5	286.0	280.6	281.4	282.9	285.0	285.5	286.8	284.3	280.6
23	282.6	280.2	281.8	285.9	281.0	281.4	282.6	284.9	285.0	286.3	283.8	280.4
24	282.8	280.0	282.1	285.9	282.0	281.7	282.6	284.7	284.8	285.6	283.7	280.2
25	282.8	280.2	282.1	285.9	282.5	282.5	282.5	285.0	284.8	285.6	283.5	278.4
26	282.6	280.2	281.8	286.1	282.9	283.5	282.6	285.2	284.9	285.7	284.1	277.4
27	282.7	280.2	281.2	286.4	.....	283.5	283.5	285.4	284.9	285.3	284.4	276.5
28	282.7	279.9	282.4	285.7	.....	284.1	284.6	285.5	285.4	284.3	284.9	277.0
29	282.8		282.5	285.2	279.0	284.3	285.0	285.7	285.2	283.5	285.1	277.1
30	282.6		282.5	285.2	278.8	284.6	284.6	285.7	285.9	282.9	285.2	277.1
31	282.4		282.2		279.1		284.9	285.7		283.1		277.8

1170. Houston Lighting & Power Co. Lat. 29°43', long. 95°13'. Drilled industrial artesian well in sand, diameter 16 to 10 inches, depth 836 feet, screen 612-672, 752-811. Highest water level 50.6 below lsd, May 20, 1935; lowest 287 below lsd, Sept. 4, 1953. Records available: 1931-53. Measurements made by owner.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	283	Apr. 1	275	July 2	285	Oct. 5	285
Feb. 3	282	May 1	280	Aug. 3	283	Nov. 4	283
Mar. 2	280	June 3	281	Sept. 4	287	Dec. 7	285

1181. Phillips Petroleum Co. well 1. Lat. 29°43', long. 95°12'. Drilled unused artesian well in sand, diameter 4 inches, depth 691 feet. Highest water level 28.50 below lsd, June 1929 lowest 296.65 below lsd, Dec. 11, 1952. Records available: 1929, 1945-53. Feb. 13, 293.72; June 8, 293.4; Sept. 8, 295.36; Dec. 2, 288.92.

1182. Port Terminal Railroad Co. Lat. 29°43', long. 95°12'. Drilled unused artesian well in sand, diameter 8 inches, depth 700 feet, screen 675-715. Highest water level 108.00 below lsd, July 1, 1939; lowest 309.80 below lsd, Dec. 2, 1953. Records available: 1939-53. Feb. 13, 303.02; June 8, 301.26; Sept. 8, 308.65; Dec. 2, 309.80.

1205. City of South Houston well 1. Lat. 29°39', long. 95°14'. Drilled unused artesian well in sand, diameter 8 inches, depth 668 feet, screen 600-668. Highest water level 73.06 below lsd, Jan. 18, 1943; lowest 172.48 below lsd, Nov. 30, 1953. Records available: 1940-53. Feb. 12, 168.02; June 4, 166.70; Sept. 22, 171.71; Nov. 30, 172.48.

1229. City of Houston test well 8. Lat. 29°39', long. 95°11'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,680 feet, screen 1,661-1,676. Highest water level 79.51 below lsd, Aug. 23, 1939; lowest 242.76 below lsd, Dec. 18, 1953. Records available: 1939-53.

Jan. 26	230.74	Apr. 27	234.04	July 24	239.36	Oct. 26	242.67
Feb. 25	233.94	May 25	236.11	Aug. 26	240.75	Nov. 25	242.38
Mar. 24	234.42	June 24	237.19	Sept. 24	242.48	Dec. 18	242.76

1230. City of Houston test well 9. Lat. 29°39', long. 95°11'. Drilled observation artesian well in sand, diameter 3½ inches, depth 1,419 feet, screen 1,399-1,414. Highest water level 88.74 below lsd, July 24, 1939; lowest 265.95 below lsd, Aug. 26, 1953. Records available: 1939-53.

Jan. 26	249.81	Apr. 27	253.79	July 24	264.62	Oct. 26	262.51
Feb. 25	250.47	May 23	255.41	Aug. 26	265.95	Nov. 25	258.41
Mar. 24	251.63	June 24	261.49	Sept. 24	264.43	Dec. 18	256.98

1267. South Side Place city well 3. Lat. 29°42', long. 95°26'. Drilled public-supply artesian well in sand, diameter 13 to 8 inches, depth 894 feet, screens opposite sands below 484. Highest water level 64.00 below lsd, May 6, 1941; lowest 158.15 below lsd, Dec. 8, 1953. Records available: 1941, 1943-53. Feb. 19, 141.48; June 11, 146.43; Sept. 25, 156.04; Dec. 8, 158.15.

1297. State of Texas. Pioneer Airport. Lat. 29°38', long. 95°17'. Drilled unused artesian well in sand, diameter 8 to 5 inches, depth 650 feet. Highest water level 84.00 below lsd, July 7, 1939; lowest 155.27 below lsd, Sept. 22, 1953. Records available: 1939, 1949-53. Feb. 10, 147.91; June 4, 149.64; Sept. 22, 155.27; Nov. 30, 154.93.

1322. S. Siabara. Lat. 29°34', long. 95°08'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 806 feet, screen 416-437, 494-597, 769-806. Highest water level 16.0 below lsd, 1927; lowest 131.66 below lsd, Nov. 30, 1953. Records available: 1927, 1935, 1940, 1948-53. Feb. 12, 127.40; Nov. 30, 131.66.

1369. City of South Houston well 2. Lat. 29°39', long. 95°14'. Drilled unused artesian well in sand, diameter 8 to 6 inches, depth 916 feet, screen 856-916. Highest water level 93.70 below lsd, June 5, 1941; lowest 247.05 below lsd, Sept. 22, 1953. Records available: 1941, 1944-53. Feb. 12, 234.16; Sept. 22, 247.05; Nov. 30, 243.8.

1370. City of Jacinto City. Market St. Lat. 29°46', long. 95°14'. Drilled public-supply artesian well in sand, diameter 16 to 10 inches, depth 800 feet. Highest water level 145.52 below lsd, Mar. 19, 1945; lowest 243.57 below lsd, Oct. 6, 1953. Records available: 1944-46, 1948-53. Feb. 16, 233.10; June 10, 236.64; Oct. 6, 243.57; Dec. 4, 241.15.

1374. Harris County Water Control & Improvement District No. 11, well 1. Lat. 29°46', long. 95°12'. Drilled public-supply artesian well in sand, diameter 13 to 6 inches, depth 750 feet, screens below 595. Highest water level 94 below lsd, June 10, 1940; lowest 272.43 below lsd, Sept. 10, 1953. Records available: 1940, 1942-46, 1948-53. Feb. 16, 256.84; June 10, 270.57; Sept. 10, 272.43; Dec. 4, 263.13.

1417. Houston Lighting & Power Co. well 1. Lat. 29°37', long. 95°27'. Drilled industrial artesian well in sand, diameter 16 to 8 inches, depth 1,017 feet, screens below 706. Highest water level 70.24 below lsd, Sept. 14, 1943; lowest 160.95 below lsd, June 16, 1953. Records available: 1943-53. Feb. 5, 157.40; Apr. 15, 153.94; June 16, 160.95; Oct. 1, 158.09; Dec. 21, 144.80.

1418. W. B. Nelson. Lat. 29°35', long. 95°15'. Drilled irrigation artesian well in sand, diameter 18 to 14 inches, depth 1,400 feet, screens opposite sands 380-1,286. Highest water level 103.85 below lsd, Apr. 25, 1944; lowest 192.38 below lsd, Sept. 17, 1952. Records available: 1943-53. Feb. 5, 185.94.

1420. City of Galena Park well 2. Lat. 29°44', long. 95°13'. Drilled public-supply artesian well in sand, diameter 12 to 8 inches, depth 725 feet, screen opposite sands below 583. Highest water level 121 below lsd, June 24, 1942; lowest 275.66 below lsd, Feb. 13, 1953. Records available: 1942-53. Feb. 13, 275.66.

1421. Tennessee Coal & Iron Railroad Co. well 2. Lat. 29°43', long. 95°15'. Drilled industrial artesian well in sand, diameter 12 inches, depth 600 feet. Highest water level 138.00 below lsd, Sept. 27, 1943; lowest 265.7 below lsd, Sept. 9, 1953. Records available: 1943-44, 1946-53. June 9, 259.66; Sept. 9, 265.7; Dec. 3, 262.7.

1422. Mission Manufacturing Co. well 1. Lat. 29°48', long. 95°20'. Drilled industrial artesian well in sand, diameter 10 inches, depth 530 feet. Highest water level 101.57 below lsd, Jan. 25, 1944; lowest 186.73 below lsd, Sept. 9, 1953. Records available: 1943-53. Feb. 17, 175.99; June 9, 178.91; Sept. 9, 186.73; Dec. 4, 184.70.

1423. Clarence Nelson. Near Hall Rd. Lat. 29°36', long. 95°14'. Drilled irrigation artesian well in sand, diameter 20 inches, depth 1,347 feet. Highest water level 117.68 below lsd, Apr. 24, 1946; lowest 212.10 below lsd, Sept. 28, 1953. Records available: 1946-53. Feb. 5, 183.24; Sept. 28, 212.10.

1424. Harris County Water Control & Improvement District No. 3, well 3. Alba and Sue Barnett Sts. Lat. 29°49', long. 95°25'. Drilled public-supply artesian well in sand, diameter 13 inches, depth 850 feet. Highest water level 102.57 below lsd, Feb. 5, 1946; lowest 200.04 below lsd, Sept. 10, 1952. Records available: 1946-53. Feb. 18, 189.79; June 9, 198.29; Dec. 8, 197.86.

1503. R. R. Michel test hole O-1. Lat. 30°05', long. 95°37'. Drilled observation water-table well in sand, diameter 1½ inches, depth 41 feet, screen 39-41. Highest water level 26.57 below lsd, Mar. 26, 1945; lowest 39.31 below lsd, Nov. 25, 1953. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	38.48	Apr. 27	38.78	July 23	39.02	Oct. 26	39.00
Feb. 25	38.46	May 23	38.83	Aug. 25	39.09	Nov. 25	39.31
Mar. 24	38.78	June 24	38.77	Sept. 24	39.27		

1504. Bogs Estate test hole N-1. Near Huffsmith. Lat. 30°07', long. 95°35'. Drilled observation water-table well in sand, diameter 1½ inches, depth 29 feet, screen 27-29. Highest water level 18.49 below lsd, Jan. 31, 1947; lowest 26.83 below lsd, Apr. 27, 1953. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	26.67	Apr. 27	26.83	July 23	24.83	Oct. 26	26.03
Feb. 25	26.74	May 25	25.48	Aug. 25	25.26	Nov. 25	26.28
Mar. 24	26.78	June 24	24.55	Sept. 24	25.84	Dec. 18	26.40

1505. Wm. Tautenhahn. Near Westfield. Lat. $30^{\circ}01'$, long. $95^{\circ}24'$. Drilled water-table well in sand, diameter $1\frac{1}{2}$ inches, depth 21 feet. Highest water level 5.39 below lsd, Jan. 29, 1947; lowest dry since July 1951. Records available: 1940-52. Measurement discontinued.

1506. Sinclair-Prairie Oil Co. Near Fairbanks. Lat. $29^{\circ}53'$, long. $95^{\circ}30'$. Drilled domestic artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 39.23 below lsd, Apr. 21, 1944; lowest 85.39 below lsd, June 19, 1951. Records available: 1943-51. Measurement discontinued.

1507. Stanolind Oil & Gas Co. Lat. $29^{\circ}53'$, long. $95^{\circ}29'$. Drilled industrial artesian well in sand, diameter 4 inches, depth 400 feet. Highest water level 41.85 below lsd, June 8, 1944; lowest 104.41 below lsd, June 22, 1953. Records available: 1944-53. Feb. 4, 97.53; June 22, 104.41; Oct. 2, 76.26; Dec. 10, 69.70.

Hays County

110. M. O. Rogers. Lat. $30^{\circ}07'$, long. $97^{\circ}58'$. Drilled farm artesian well in limestone, diameter 6 inches, depth 110 feet. Land-surface datum is 992.53 feet above msl. Highest water level 5.26 below lsd, May 28, 1941; lowest 58.40 below lsd, Aug. 6, 1948. Records available: 1937, 1940-46, 1948-53. Apr. 13, 53.60; Aug. 17, 57.81.

349. E. Brooks. Lat. $29^{\circ}53'$, long. $97^{\circ}57'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 176 feet. Land-surface datum is 738.84 feet above msl. Highest water level 158.04 below lsd, May 22, 1941; lowest 169.09 below lsd, Apr. 4, 1951. Records available: 1937, 1940-53. Apr. 13, 162.82; Aug. 17, 166.65; Dec. 3, 161.12.

524. H. W. Hageman. Lat. $29^{\circ}54'$, long. $97^{\circ}55'$. Drilled unused artesian well in Edwards limestone, diameter 5 inches, depth 78 feet. Land-surface datum is 607.31 feet above msl. Highest water level 29.04 below lsd, May 22, 1941; lowest 42.58 below lsd, Sept. 14, 1937. Records available: 1937-53. Apr. 13, 32.26; Aug. 17, 33.55; Dec. 2, 35.73.

528. E. N. Cason. Lat. $29^{\circ}55'$, long. $97^{\circ}54'$. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 121 feet. Land-surface datum is 670.87 feet above msl. Highest water level 91.03 below lsd, May 22, 1941; lowest 99.09 below lsd, Mar. 26, 1952. Records available: 1937-53. Apr. 13, 95.49; Aug. 17, 95.87; Dec. 2, 93.79.

529. Nicholas Thiele. Kyle. Lat. $29^{\circ}59'$, long. $97^{\circ}52'$. Drilled domestic artesian well in Edwards limestone, diameter 5 inches, depth 372 feet. Land-surface datum is 718 feet above msl. Highest water level 127.43 below lsd, June 22, 1938; lowest 158.58 below lsd, May 1, 1948. Records available: 1937-53. Apr. 13, 136.3; Aug. 17, 144.77; Dec. 2, 133.47.

534. J. J. Horton. Buda. Lat. $30^{\circ}05'$, long. $97^{\circ}50'$. Drilled domestic artesian well in Edwards limestone, diameter 5 inches, depth 244 feet. Land-surface datum is 707.23 feet above msl. Highest water level 87.62 below lsd, May 22, 1945; lowest 142.93 below lsd, Mar. 27, 1952. Records available: 1937-53. Apr. 13, 122.19; Aug. 17, 135.64; Dec. 2, 106.59.

553. G. M. Jackson. Lat. $29^{\circ}51'$, long. $97^{\circ}58'$. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 194 feet. Highest water level 115.74 below lsd, Apr. 29, 1944; lowest 122.20 below lsd, Oct. 5, 1939. Records available: 1937-53. Apr. 13, 119.83.

Hockley County

24. R. Y. Huguen. SW $\frac{1}{4}$ sec. 99, blk. A. Lat. $33^{\circ}47'$, long. $102^{\circ}08'$. Drilled unused water-table well in sand, diameter 6 inches, depth 37 feet. Highest water level 17.85 below lsd, Feb. 1, 1943; lowest 30.81 below lsd, Jan. 13, 1953. Records available: 1937-53. Jan. 13, 30.81.

25a. Walter Weige. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 98, blk. A. Lat. $33^{\circ}47'$, long. $102^{\circ}09'$. Drilled irrigation water-table well in sand, depth 90 feet. Highest water level 24.45 below lsd, Mar. 15, 1947; lowest 30.79 below lsd, Jan. 13, 1953. Records available: 1947-50, 1952-53. Jan. 13, 30.79.

28. Dan Jackson and Paul Whitfield. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 106, blk. A. Lat. $33^{\circ}47'$, long. $102^{\circ}10'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 100 feet, cased to 100. Highest water level 26.92 below lsd, Feb. 1, 1943; lowest 46.19 below lsd, Jan. 14, 1953. Records available: 1937-51, 1953. Jan. 14, 46.19.

126. W. M. Alexander. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 89, blk. A. Lat. $33^{\circ}45'$, long. $102^{\circ}08'$. Drilled unused water-table well in sand, diameter 15 inches, depth 105 feet. Highest water level 20.11 below lsd, Feb. 17, 1950; lowest 28.63 below lsd, June 21, 1938. Records available: 1938-52. Measurement discontinued.

247a. A. N. Riley. NW $\frac{1}{4}$ lab. 3, lge. 78, R. C. S. L. Lat. 33°40', long. 102°31'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 230 feet. Highest water level 104.62 below lsd, Feb. 28, 1946; lowest 108.65 below lsd, Jan. 14, 1953. Records available: 1944-53. Jan. 14, 108.65.

263a. C. E. Roloff. SE $\frac{1}{4}$ NW $\frac{1}{4}$ lge. 731, S. C. L. Lat. 33°39', long. 102°23'. Drilled irrigation water-table well in sand. Highest water level 104.65 below lsd, Mar. 14, 1947; lowest 111.92 below lsd, Feb. 4, 1952. Records available: 1947-52. No measurement made in 1953.

403a. Albert Ellis. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 111, blk. A. Lat. 33°48', long. 102°11'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 107 feet. Highest water level 34.55 below lsd, Mar. 15, 1947; lowest 51.42 below lsd, Jan. 13, 1953. Records available: 1947-49, 1951-53. Jan. 13, 51.42.

429b. H. R. Johnston. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 52, blk. A. Lat. 33°41', long. 102°06'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 190 feet. Highest water level 86.70 below lsd, Mar. 15, 1947; lowest 106.40 below lsd, Jan. 14, 1953. Records available: 1947-53. Jan. 14, 106.40.

434. C. E. Pendergrass. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 74, blk. A. Lat. 33°44', long. 102°10'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 221 feet, cased to 206. Highest water level 130.24 below lsd, Mar. 1, 1946; lowest 149.55 below lsd, Jan. 14, 1953. Records available: 1938, 1944-53. Jan. 14, 149.55.

443a. Nicholson. SE $\frac{1}{4}$ sec. 87, blk. A. Lat. 33°45', long. 102°06'. Drilled irrigation water-table well in sand. Highest water level 70.95 below lsd, Feb. 22, 1944; lowest 83.55 below lsd, Jan. 14, 1953. Records available: 1944-45, 1947-53. Jan. 14, 83.55.

458. R. L. Burdette. NE. cor. sec. 102, blk. A. Lat. 33°48', long. 102°05'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet, cased to 150. Highest water level 80.98 below lsd, Mar. 17, 1947; lowest 91.02 below lsd, Jan. 13, 1953. Records available: 1938, 1947-49, 1951-53. Jan. 13, 91.02.

576. M. L. Goolsby. SW $\frac{1}{4}$ NW $\frac{1}{4}$ lab. 2, lge. 29, H. C. S. L. Lat. 33°33', long. 102°21'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 172 feet. Highest water level 87.65 below lsd, Jan. 29, 1944; lowest 94.38 below lsd, Jan. 14, 1953. Records available: 1944, 1946-53. Jan. 14, 94.38.

587. I. N. Johnson. SE $\frac{1}{4}$ SE $\frac{1}{4}$ lab. 13, lge. 733. Lat. 33°37', long. 102°23'. Drilled irrigation water-table well in sand, depth 105 feet. Highest water level 90.63 below lsd, Mar. 5, 1945; lowest 101.02 below lsd, Feb. 4, 1952. Records available: 1939-42, 1944-45, 1947-50, 1952. Measurement discontinued.

717. Panhandle & Santa Fe Railway Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ lab. 6, lge. 2. Lat. 33°34', long. 102°07'. Drilled unused water-table well in sand. Highest water level 97.04 below lsd, Dec. 4, 1950; lowest 105.14 below lsd, Aug. 19, 1952. Records available: 1939, 1945, 1948-53. Jan. 15, 101.80.

827a. Roy Dopson. Lab. 14, lge. 10, D. C. S. L. Lat. 33°25', long. 102°06'. Drilled farm water-table well in sand, diameter 12 inches, depth 170 feet. Highest water level 88.62 below lsd, Mar. 5, 1945; lowest 102.86 below lsd, Jan. 18, 1951. Records available: 1944-46, 1948-51. Measurement discontinued.

Jackson County

6. N. J. Marthiljohni. Lat. 29°06', long. 96°44'. Drilled stock artesian well in Lissie formation, diameter 4 inches, depth 58 feet. Highest water level 32.17 below lsd, Apr. 9, 1941; lowest 43.7 below lsd, Mar. 17, 1953. Records available: 1934-35, 1938-41, 1946-53. Mar. 17, 43.7.

11a. Nellie Miller Estate. Lat. 29°03', long. 96°45'. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 66 feet. Highest water level 31.63 below lsd, Sept. 5, 1936; lowest 41.13 below lsd, Mar. 17, 1953. Records available: 1936, 1938-42, 1944-53. Mar. 17, 41.13.

14. Mrs. C. V. Watson. Lat. 29°09', long. 96°37'. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 80 feet. Highest water level 32.3 below lsd, July 17, 1934; lowest 46.2 below lsd, Mar. 17, 1953. Records available: 1934-36, 1938-53. Mar. 17, 46.2.

57. S. G. Drushel. Lat. 29°05', long. 96°37'. Drilled stock artesian well in Lissie formation, diameter 4 inches, depth 68 feet. Highest water level 35.9 below lsd, July 17, 1934; lowest 40.8 below lsd, Mar. 21, 1950. Records available: 1934-36, 1938-46, 1948-53. Mar. 17, 40.29.

64. Wm. Clifford. Lat. $28^{\circ}58'$, long. $96^{\circ}42'$. Drilled farm artesian well in Lissie formation, diameter 30 to 8 inches, depth 200 feet. Highest water level 26.53 below lsd, Sept. 5, 1936; lowest 48.14 below lsd, Mar. 22, 1949. Records available: 1934-36, 1938-45, 1947-53. Mar. 17, 42.69.

66. S. J. and E. F. Swenson. Lat. $29^{\circ}02'$, long. $96^{\circ}37'$. Drilled domestic artesian well in sand, diameter 4 inches, depth 63 feet. Highest water level 34.66 below lsd, Apr. 1, 1944; lowest 39.11 below lsd, Mar. 25, 1952. Records available: 1934-36, 1938-53. Mar. 19, 38.33

69. A. E. Westhoff. Lat. $29^{\circ}01'$, long. $96^{\circ}37'$. Drilled farm artesian well in sand, diameter 4 inches, depth 60 feet. Highest water level 29.0 below lsd, July 27, 1934; lowest 36.26 below lsd, Mar. 19, 1953. Records available: 1934-36, 1938-53. Mar. 19, 36.26.

88. A. E. Westhoff. Lat. $28^{\circ}53'$, long. $96^{\circ}35'$. Drilled unused artesian well in sand, diameter 24 to 9 inches, depth 431 feet. Highest water level 15 below lsd, 1909; lowest 38.79 below lsd, Mar. 17, 1953. Records available: 1909, 1934-36, 1938, 1942-53. Mar. 17, 38.79.

103. A. C. Wilbeck. Lat. $29^{\circ}04'$, long. $96^{\circ}34'$. Drilled unused artesian well in sand, diameter 4 inches, depth 60 feet. Highest water level 33.78 below lsd, Mar. 30, 1944; lowest 39.86 below lsd, Mar. 25, 1952. Records available: 1934-36, 1938-47, 1949-53. Mar. 17, 39.60.

105. A. M. Robinson. Lat. $29^{\circ}06'$, long. $96^{\circ}30'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 280 feet. Highest water level 30.0 below lsd, 1934; lowest 40.64 below lsd, Mar. 17, 1953. Records available: 1934, 1942-47, 1949-53. Mar. 17, 40.64.

122. Eli Bell. Lat. $28^{\circ}56'$, long. $96^{\circ}27'$. Drilled irrigation artesian well in Lissie formation, diameter 26 to 10 inches, depth 225 feet. Highest water level 20.03 below lsd, Mar. 25, 1947; lowest 34.17 below lsd, Mar. 19, 1953. Records available: 1934, 1942-47, 1949-53. Mar. 19, 34.17.

229. W. A. Utzman. Lat. $28^{\circ}51'$, long. $96^{\circ}38'$. Drilled farm artesian well in Lissie formation, diameter 4 inches, depth 189 feet. Highest water level 31.17 below lsd, Sept. 5, 1936; lowest 39.35 below lsd, Mar. 25, 1952. Records available: 1934-36, 1938-53. Mar. 17, 39.14.

230. Royal Dedman. Lat. $28^{\circ}53'$, long. $96^{\circ}34'$. Drilled farm artesian well in sand, diameter 4 inches, depth 131 feet. Highest water level 33.83 below lsd, Apr. 1, 1944; lowest 41.65 below lsd, Apr. 4, 1951. Records available: 1934-36, 1938-52. No measurement made in 1953.

313. G. A. Harrison. Lat. $29^{\circ}00'$, long. $96^{\circ}35'$. Drilled irrigation artesian well in Lissie formation, diameter 20 to 12 inches, depth 506 feet, casing slotted below 103. Highest water level 27.30 below lsd, Apr. 1, 1944; lowest 40.36 below lsd, Mar. 25, 1952. Records available: 1942-52. No measurement made in 1953.

318. George Carstien. Lat. $29^{\circ}07'$, long. $96^{\circ}30'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 252 feet. Highest water level 29.39 below lsd, Mar. 30, 1944; lowest 38.49 below lsd, Mar. 17, 1953. Records available: 1942-47, 1949-53. Mar. 17, 38.49.

357. A. V. Raplee. Lat. $28^{\circ}43'$, long. $96^{\circ}22'$. Drilled farm artesian well in Beaumont clay, diameter 24 to 10 inches, depth 400 feet. Highest water level 7.91 below lsd, Apr. 15, 1943; lowest 29.80 below lsd, Mar. 19, 1953. Records available: 1942-53. Mar. 19, 29.80.

Jim Wells County

193. M. Morales. Lat. $27^{\circ}38'$, long. $98^{\circ}13'$. Dug unused water-table well in sand, diameter 42 inches, depth 40 feet. Highest water level 19.83 below lsd, Feb. 5, 1936; lowest 29.21 below lsd, Feb. 3, 1953. Records available: 1933, 1935-41, 1943, 1945, 1947-53. Feb. 3, 29.21.

206. Emilio Barrera. Lat. $27^{\circ}36'$, long. $98^{\circ}12'$. Dug farm artesian well in sand, diameter 4 feet, depth 75 feet. Highest water level 29.14 below lsd, Oct. 5, 1933; lowest 59.05 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-53. Feb. 3, 58.43.

221. Feliz Perez Cadena. Lat. $27^{\circ}34'$, long. $98^{\circ}11'$. Dug farm water-table well in sand, diameter 5 feet, depth 65 feet. Highest water level 46.58 below lsd, Feb. 5, 1936; lowest 58.21 below lsd, July 1, 1933. Records available: 1933, 1935-36, 1938-41, 1943, 1945, 1947-53. Feb. 3, 56.02.

222. Manuel Cadena. Lat. 27°34', long. 98°11'. Dug farm water-table well in sand, diameter 5 feet, depth 60 feet. Highest water level 47.24 below lsd, Feb. 5, 1936; lowest 56.40 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-53. Feb. 3, 55.84.

242. King Ranch, Hormigas well. Lat. 27°33', long. 98°05'. Drilled stock artesian well in Goliad sand, diameter 5 inches, depth 480 feet. Land-surface datum is 156.84 feet above msl. Highest water level 55.38 below lsd, June 13, 1933; lowest 118.77 below lsd, Dec. 3, 1953. Records available: 1933, 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	113.27	Mar. 26	113.63	Aug. 6	117.64	Nov. 4	118.59
Feb. 3	113.90	Apr. 29	114.03	Sept. 3	118.14	Dec. 3	118.77
27	113.37	May 27	115.00				

252. Cerapio Hinojosa. Lat. 27°26', long. 98°13'. Dug farm water-table well in sand, diameter 4 feet, depth 60 feet. Highest water level 46.33 below lsd, Oct. 23, 1933; lowest 76.36 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-51, 1953. Feb. 3, 59.33.

272. Miguel de los Santos. Lat. 27°23', long. 98°13'. Drilled unused artesian well in Goliad sand, diameter 4 inches, depth 400 feet. Highest water level 57.30 below lsd, June 6, 1933; lowest 85.76 below lsd, Feb. 19, 1949. Records available: 1933, 1945, 1947-53. Feb. 3, 85.53.

272a. Fidencio de los Santos. Lat. 27°23', long. 98°13'. Drilled farm artesian well in Goliad sand, diameter 4 inches, depth 286 feet. Highest water level 78.91 below lsd, Feb. 15, 1947; lowest 109.35 below lsd, Feb. 3, 1953. Records available: 1947-53. Feb. 3, 109.35.

292. W. A. Cobb. Lat. 27°21', long. 98°07'. Drilled unused artesian well in Goliad sand, diameter 10 inches, depth 524 feet. Highest water level 42.00 below lsd, Jan. 27, 1933; lowest 117.67 below lsd, Feb. 3, 1953. Records available: 1933, 1943, 1945, 1949-53. Feb. 3, 117.67.

330. L. H. Franz. Lat. 27°20', long. 98°07'. Drilled farm artesian well in Goliad sand, diameter 12 inches, depth 540 feet. Highest water level 41.50 below lsd, July 31, 1933; lowest 114.32 below lsd, Feb. 3, 1953. Records available: 1933, 1943, 1947, 1949-53. Feb. 3, 114.32. Measurement discontinued.

346. Charlie Premont. Lat. 27°18', long. 98°11'. Drilled farm artesian well in Goliad sand, diameter 8 inches, depth 482 feet. Highest water level 27.10 below lsd, Dec. 6, 1932; lowest 94.40 below lsd, Feb. 3, 1953. Records available: 1932, 1943-44, 1947-53. Feb. 3, 94.40. Measurement discontinued.

392a. B. W. Voght. Lat. 27°17', long. 98°07'. Drilled irrigation artesian well in Goliad sand, diameter 12 inches, depth 600 feet. Highest water level 76.53 below lsd, Feb. 17, 1947; lowest 102.99 below lsd, Feb. 3, 1953. Records available: 1947-53. Feb. 3, 102.99.

429. Clyde Wright. Lat. 27°20', long. 98°06'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 480 feet. Highest water level 57.59 below lsd, Oct. 23, 1943; lowest 103.91 below lsd, Feb. 3, 1953. Records available: 1943, 1945-53. Feb. 3, 103.91.

431. J. R. Friesen. Lat. 27°20', long. 98°06'. Drilled irrigation artesian well in Goliad sand, diameter 8 to 4 inches, depth 515 feet. Highest water level 62.84 below lsd, Oct. 23, 1943; lowest 114.5 below lsd, Feb. 3, 1953. Records available: 1943, 1945, 1947-51, 1953. Feb. 3, 114.5.

Kinney County

XK-1. Ethel Whitaker. Lat. 29°13', long. 100°06'. Drilled farm artesian well in limestone, diameter 4 inches, depth 102 feet. Highest water level 56.00 below lsd, Aug. 24, 1938; lowest 85.90 below lsd, Apr. 7, 1953. Records available: 1937-53. Apr. 7, 85.90; Nov. 20, 72.41.

XK-5. Judge John Fritter. Lat. 29°16', long. 100°19'. Drilled farm water-table well in limestone, diameter 6 inches. Highest water level 17.77 below lsd, July 28, 1938; lowest 43.99 below lsd, Aug. 11, 1953. Records available: 1937-53. Apr. 7, 40.03; Aug. 11, 43.99; Nov. 18, 33.20.

XK-9. C. J. Poehler. Lat. 29°18', long. 100°27'. Drilled unused water-table well in Austin chalk, diameter 6 inches, depth 157 feet. Highest water level 34.17 below lsd, Aug. 24, 1938; lowest 44.61 below lsd, Aug. 11, 1953. Records available: 1937-53. Apr. 7, 43.11; Aug. 11, 44.61; Nov. 18, 42.38.

KK-11. J. F. Beidler. Lat. $29^{\circ}19'$, long. $100^{\circ}32'$. Drilled unused water-table well in limestone, diameter 4 inches, depth 75 feet. Highest water level 19.58 below lsd, Oct. 28, 1938; lowest 39.06 below lsd, Aug. 11, 1953. Records available: 1937-53. Apr. 7, 31.49; Aug. 11, 39.06; Nov. 18, 35.47.

KK-12. J. F. Beidler. Lat. $29^{\circ}21'$, long. $100^{\circ}37'$. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 618 feet. Highest water level 5.37 below lsd, June 24, 1947; lowest 40.31 below lsd, Aug. 11, 1953. Records available: 1937-53. Apr. 7, 33.38; Aug. 11, 40.31; Nov. 18, 26.38.

KK-13. Howard Roberts. Lat. $29^{\circ}23'$, long. $100^{\circ}41'$. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 430 feet. Highest water level 57.31 below lsd, Apr. 14, 1949; lowest 72.73 below lsd, June 5, 1945. Records available: 1937-53. Apr. 7, 64.23; Aug. 11, 67.57; Nov. 18, 62.48.

KK-17. Jimmy Lowrance. Lat. $29^{\circ}19'$, long. $100^{\circ}25'$. Drilled unused artesian well in Edwards limestone, diameter 8 inches, depth 800 feet. Highest water level 46.32 below lsd, July 23, 1940; lowest 54.01 below lsd, Aug. 10, 1953. Records available: 1937-53. Apr. 7, 51.69; Aug. 10, 54.01; Nov. 18, 50.43.

KK-114. E. Webb. Lat. $29^{\circ}25'$, long. $100^{\circ}25'$. Drilled farm artesian well in Edwards limestone, diameter 6 inches. Highest water level 62.02 below lsd, Apr. 14, 1949; lowest 71.79 below lsd, Aug. 11, 1953. Records available: 1937-53. Apr. 7, 70.68; Aug. 11, 71.79; Nov. 19, 67.19.

KK-116. J. D. Harwood. Lat. $29^{\circ}27'$, long. $100^{\circ}25'$. Drilled stock artesian well in Edwards limestone, diameter 5 inches. Highest water level 94.27 below lsd, Mar. 8, 1949; lowest 141.64 below lsd, Apr. 2, 1946. Records available: 1938-53. Apr. 7, 141.32; Aug. 11, 142.07; Nov. 19, 134.53.

KK-170. Nolan & Postell. Lat. $29^{\circ}25'$, long. $100^{\circ}15'$. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 342 feet. Highest water level 182.25 below lsd, Aug. 28, 1949; lowest 222.95 below lsd, Mar. 15, 1952. Records available: 1940-42, 1946-52. Measurement discontinued.

KK-180. N. P. Petersen. Lat. $29^{\circ}23'$, long. $100^{\circ}16'$. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 475 feet. Highest water level 175.18 below lsd, Nov. 6, 1947; lowest 180.99 below lsd, Apr. 27, 1943. Records available: 1938-43, 1946-48, 1950-53. Apr. 7, 177.54; Aug. 11, 180.97; Nov. 19, 179.10.

KK-187. Mrs. G. A. Harrison. Lat. $29^{\circ}16'$, long. $100^{\circ}16'$. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 514 feet. Highest water level 70.20 below lsd, Jan. 9, 1939; lowest 84.86 below lsd, Aug. 11, Nov. 20, 1953. Records available: 1938-47, 1949-53. Apr. 7, 83.81; Aug. 11, 84.86; Nov. 20, 84.86.

KK-198. Charley Zinsmeister. Lat. $29^{\circ}19'$, long. $100^{\circ}29'$. Dug and drilled irrigation water-table well in limestone, diameter 48 to 6 inches, depth 157 feet. Highest water level 37.12 below lsd, June 24, 1947; lowest 54.18 below lsd, Aug. 14, 1951. Records available: 1938-53. Apr. 7, 45.65; Aug. 11, 47.89; Nov. 18, 44.60.

KK-199. E. Webb. Lat. $29^{\circ}19'$, long. $100^{\circ}24'$. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 500 feet. Highest water level 36.10 below lsd, Dec. 20, 1949; lowest 44.80 below lsd, Apr. 21, 1948. Records available: 1939-53. Apr. 7, 43.48; Aug. 11, 42.77; Nov. 19, 41.49, pumping.

Kleberg County

8. King Ranch, Cola Blanco well. Lat. $27^{\circ}36'$, long. $97^{\circ}53'$. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 600 feet. Highest water level 29.40 below lsd, Feb. 3, 1934; lowest 135.89 below lsd, Feb. 8, 1952. Records available: 1932, 1934-35, 1943, 1945-53. Feb. 6, 128.64.

13. King Ranch, Tamales well. Lat. $27^{\circ}32'$, long. $98^{\circ}02'$. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 427 feet. Land-surface datum is 133.7 feet above msl. Highest water level 44.23 below lsd, Feb. 6, 1934; lowest 120.90 below lsd, Aug. 6, 1953. Records available: 1932-35, 1938-41, 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	112.71	Mar. 26	113.40	Aug. 6	120.90	Nov. 4	119.84
Feb. 4	113.10	Apr. 29	114.22	Sept. 3	120.26	Dec. 3	119.39
27	113.10	May 27	115.31	Oct. 7	119.55		

15. King Ranch, Puertos well. Lat. 27°32', long. 97°59'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 587 feet. Land-surface datum is 113.39 feet above msl. Highest water level 39.59 below lsd, Feb. 8, 1934; lowest 124.64 below lsd, Dec. 3, 1953. Records available: 1932-35, 1938-41, 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	111.90	Apr. 29	112.80	Aug. 6	116.62	Nov. 4	122.40
Mar. 26	110.92	May 27	114.25	Oct. 7	119.08	Dec. 3	124.64

23. King Ranch, Caldero well. Lat. 27°30', long. 97°57'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 652 feet. Highest water level 43.90 below lsd, Feb. 5, 1934; lowest 134.09 below lsd, Feb. 4, 1953. Records available: 1933-35, 1938-41, 1943-44, 1946-53. Feb. 4, 134.09.

31. King Ranch, Liberty well. Lat. 27°29', long. 97°55'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 508 feet. Highest water level 27.80 below lsd, Feb. 5, 1934; lowest 121.82 below lsd, Feb. 6, 1953. Records available: 1933-34, 1938-41, 1943-47, 1949-53. Feb. 6, 121.82.

35. King Ranch, Silo well. Lat. 27°29', long. 97°54'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 500 feet. Highest water level 28.28 below lsd, Feb. 5, 1934; lowest 126.09 below lsd, Feb. 6, 1953. Records available: 1933-35, 1938-41, 1943-47, 1949-53. Feb. 6, 126.07.

64. King Ranch, Rincon Caesar well. Lat. 27°15', long. 97°51'. Drilled stock artesian well in Goliad sand, diameter 5 to 4 inches, depth 700 feet. Highest water level 0.94 above lsd, Jan. 11, 1933; lowest 22.60 below lsd, Feb. 8, 1952. Records available: 1933-35, 1938-41, 1943-45, 1947-52. No measurement made in 1953.

75. King Ranch, Rancho Verde well. Lat. 27°42', long. 97°50'. Drilled farm artesian well in Goliad sand, diameter 6 to 4 inches, depth 805 feet. Highest water level 32.50 below lsd, Dec. 15, 1932; lowest 147.35 below lsd, Feb. 4, 1953. Records available: 1932, 1943-45, 1949-53. Feb. 4, 147.35.

93. Kingsville city well 1. Lat. 27°31', long. 97°52'. Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 810 feet. Land-surface datum is 64.99 feet above msl. Highest water level 39.70 below lsd, Feb. 10, 1934; lowest 185.60 below lsd, Feb. 4, 1953. Records available: 1932-35, 1944-45, 1947-53. Feb. 4, 165.60.

188. J. R. Trussell. Lat. 27°27', long. 97°51'. Drilled farm artesian well in Goliad sand, diameter 5 inches, depth 700 feet. Land-surface datum is 58.20 feet above msl. Highest water level 17.80 below lsd, Feb. 2, 1934; lowest 128.70 below lsd, Feb. 8, 1952. Records available: 1932-35, 1938-41, 1943-53. Feb. 6, 103.70.

372. King Ranch, Caesar Pens well. Lat. 27°33', long. 97°50'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 750 feet. Land-surface datum is 53.90 feet above msl. Highest water level 19.33 below lsd, Feb. 2, 1934; lowest 133.80 below lsd, Feb. 6, 1952. Records available: 1932-35, 1943, 1945-46, 1948-53. Feb. 4, 129.53.

374. King Ranch, Palo Marcado well. Lat. 27°31', long. 97°45'. Drilled stock artesian well in Goliad sand, diameter 10 to 7 inches, depth 852 feet. Land-surface datum is 52.38 feet above msl. Highest water level 25.62 below lsd, Nov. 10, 1934; lowest 126.83 below lsd, Feb. 6, 1952. Records available: 1933-34, 1943-53. Feb. 4, 102.50.

375. King Ranch, Noria Honda well. Lat. 27°31', long. 97°42'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,035 feet. Land-surface datum is 35.67 feet above msl. Highest water level 5.32 below lsd, Jan. 12, 1933; lowest 54.38 below lsd, Feb. 4, 1953. Records available: 1933-35, 1938, 1940-41, 1943-53. Feb. 4, 54.38.

376. King Ranch, Leoncitas well. Lat. 27°29', long. 97°45'. Drilled stock artesian well in Goliad sand, diameter 6 inches, depth 1,050 feet. Highest water level 19.00 below lsd, Jan. 12, 1933; lowest 94.82 below lsd, Feb. 4, 1953. Records available: 1933-34, 1943-44, 1946-47, 1949-53. Feb. 4, 94.82.

377. King Ranch, Mesquite well. Lat. 27°29', long. 97°43'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,100 feet. Highest water level 16.82 below lsd, Nov. 11, 1934; lowest 68.05 below lsd, Feb. 6, 1952. Records available: 1933-34, 1943-44, 1946-47, 1949-53. Feb. 4, 63.46.

380. King Ranch, Telephone well 1. Lat. 27°28', long. 97°41'. Drilled stock artesian well in Goliad sand, diameter 6 to 4 inches, depth 950 feet. Highest water level 11.83 below lsd, Feb. 1, 1938; lowest 57.14 below lsd, Feb. 6, 1952. Records available: 1933-34, 1938, 1940-41, 1943-47, 1949-53. Feb. 4, 46.30.

384. King Ranch, Aljibes well. Lat. 27°31', long. 97°37'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 1,000 feet. Land-surface datum is 34.14 feet above msl. Highest water level 10.12 below lsd, Feb. 1, 1938; lowest 30.50 below lsd, Feb. 20, 1951. Records available: 1933-34, 1938, 1940-41, 1943, 1945-53. Feb. 4, 25.50.

385. King Ranch, Palacios well. Lat. 27°32', long. 97°38'. Drilled stock artesian well in Goliad sand, diameter 8 to 4 inches, depth 909 feet. Land-surface datum is 33.32 feet above msl. Highest water level 1.70 below lsd, Feb. 4, 1934; lowest 36.18 below lsd, Feb. 4, 1953. Records available: 1933-35, 1938, 1940-41, 1943, 1945, 1947, 1949-53. Feb. 4, 36.18.

386. King Ranch, Chiltipin well. Lat. 27°32', long. 97°35'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 945 feet. Land-surface datum is 34.79 feet above msl. Highest water level 4.48 below lsd, Nov. 10, 1934; lowest 31.60 below lsd, Feb. 6, 1952. Records available: 1933-34, 1943-45, 1947-53. Feb. 4, 31.56.

436. King Ranch, La Noria Nina well. Lat. 27°32', long. 97°44'. Drilled stock artesian well in Goliad sand, diameter 6 to 4 inches, depth 1,013 feet, screen 911-1,013. Highest water level 27.72 below lsd, Mar. 6, 1944; lowest 83.20 below lsd, Feb. 4, 1953. Records available: 1943-47, 1949-53. Feb. 4, 83.20.

437. King Ranch, Las Palmas well. Lat. 27°32', long. 97°40'. Drilled stock artesian well in Goliad sand, diameter 6 to 3 inches, depth 1,016 feet. Highest water level 15.15 below lsd, Mar. 6, 1944; lowest 46.09 below lsd, Feb. 4, 1953. Records available: 1943-45, 1947, 1949-51, 1953. Feb. 4, 46.09.

438. Kingsville city well 5. Lat. 27°31', long. 97°52'. Drilled public-supply artesian well in Goliad sand, diameter 16 to 8 inches, depth 740 feet. Highest water level 84.32 below lsd, Mar. 7, 1944; lowest 159.60 below lsd, Feb. 6, 1952. Records available: 1944-52. No measurement made in 1953.

Lamb County

1. H. H. Engleking. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 14, blk. W. Lat. 34°18', long. 102°36'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 128 feet. Highest water level 66.48 below lsd, Feb. 19, 1945; lowest 73.74 below lsd, Jan. 14, 1953. Records available: 1936-47, 1949-53. Jan. 14, 73.74.

3a. J. P. Crawford. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, blk. W. Lat. 34°16', long. 102°36'. Drilled irrigation water-table well in sand, diameter 24 inches, depth 82 feet. Highest water level 21.85 below lsd, Feb. 4, 1943; lowest 42.15 below lsd, Jan. 14, 1953. Records available: 1934, 1936-53. Jan. 14, 42.15.

6. Albert Lavigne. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, blk. W. Lat. 34°16', long. 102°36'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet. Highest water level 13.00 below lsd, Nov. 30, 1942; lowest 35.42 below lsd, Jan. 14, 1953. Records available: 1914, 1937-45, 1947-53. Jan. 14, 35.42.

7. Lillie Bickle. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 46, blk. W. Lat. 34°14', long. 102°36'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 160 feet, cased to 160. Highest water level 5.31 below lsd, Nov. 1, 1941; lowest 27.20 below lsd, Jan. 14, 1953. Records available: 1934, 1936-44, 1946-47, 1949-53. Jan. 14, 27.20.

8. J. L. Withrow. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 51, blk. W. Lat. 34°14', long. 102°36'. Drilled irrigation water-table well in sand, diameter 20 to 16 inches, depth 125 feet. Highest water level 6.16 below lsd, Nov. 17, 1941; lowest 26.25 below lsd, Jan. 14, 1953. Records available: 1936-42, 1949-53. Jan. 14, 26.25.

13. John Fyie. NW cor. sec. 45, blk. W. Lat. 34°15', long. 102°35'. Drilled irrigation water-table well in sand, diameter 13 inches, depth 150 feet. Highest water level 10.47 below lsd, Nov. 17, 1941; lowest 35.13 below lsd, Jan. 14, 1953. Records available: 1934, 1936-53. Jan. 14, 35.13.

16. E. K. Warren. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30, blk. W. Lat. 34°16', long. 102°35'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 100 feet. Highest water level 29.11 below lsd, Feb. 4, 1943; lowest 50.15 below lsd, Jan. 14, 1953. Records available: 1936-53. Jan. 14, 50.15.

19. John Allen. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, blk. W. Lat. 34°15', long. 102°35'. Drilled irrigation water-table well in sand, depth 103 feet. Highest water level 11.44 below lsd, Nov. 30, 1942; lowest 35.41 below lsd, Jan. 14, 1953. Records available: 1913, 1936-45, 1947-53. Jan. 14, 35.41.

30. J. M. Young. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 38, blk. W. Lat. 34°15', long. 102°32'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 250 feet, cased to 250. Highest water level 17.00 below lsd, Nov. 17, 1941; lowest 35.59 below lsd, Jan. 14, 1953. Records available: 1936-53. Jan. 14, 35.59.

38. Andrew Dutton. SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 57, blk. 2. Lat. 34°15', long. 102°29'. Drilled irrigation water-table well in sand, diameter 15 to 10 inches, depth 149 feet, cased 57-147, perforated. Highest water level 33.78 below lsd, Feb. 11, 1943; lowest 46.08 below lsd, Jan. 14, 1953. Records available: 1936-38, 1943-53. Jan. 14, 46.08.

46b. Gus Parish. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 78, blk. 2. Lat. 34°13', long. 102°24'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 130 feet. Highest water level 36.42 below lsd, Mar. 18, 1947; lowest 42.55 below lsd, Jan. 14, 1953. Records available: 1946-53. Jan. 14, 42.55.

50b. Bruce Higgins. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 81, blk. 2. Lat. 34°12', long. 102°22'. Drilled irrigation water-table well in sand, depth 150 feet. Highest water level 43.65 below lsd, Feb. 23, 1943; lowest 50.71 below lsd, Jan. 12, 1951. Records available: 1942-53. Jan. 14, 50.00.

54. R. G. Wilson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 39, blk. 1. Lat. 34°18', long. 102°21'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 225 feet. Highest water level 86.08 below lsd, Feb. 23, 1943; lowest 100.33 below lsd, Jan. 14, 1953. Records available: 1937-38, 1942-53. Jan. 14, 100.33.

56. N. F. Cleavinger. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 53, blk. 1. Lat. 34°16', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 215 feet, cased to 215, slotted 60-215. Highest water level 96.78 below lsd, Feb. 23, 1943; lowest 124.23 below lsd, Jan. 12, 1951. Records available: 1940, 1942-45, 1947-49, 1951-53. Jan. 14, 110.53.

57. E. M. Gettys. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 59, blk. 1. Lat. 34°15', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 210 feet. Highest water level 86.88 below lsd, Feb. 23, 1943; lowest 98.70 below lsd, Jan. 14, 1953. Records available: 1942-49, 1951-53. Jan. 14, 98.70.

57d. E. M. Gettys. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 59, blk. 1. Lat. 34°14', long. 102°19'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 230 feet. Highest water level 88.42 below lsd, Feb. 23, 1943; lowest 101.91 below lsd, Jan. 14, 1953. Records available: 1942-49, 1951-53. Jan. 14, 101.91.

60. S. A. Davis. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 69, blk. 1. Lat. 34°14', long. 102°18'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 220 feet. Highest water level 66.80 below lsd, Feb. 4, 1943; lowest 81.31 below lsd, Jan. 14, 1953. Records available: 1937-50, 1952-53. Jan. 14, 81.31.

62f. Robertson Bros. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, blk. A. Lat. 34°14', long. 102°09'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 232 feet. Highest water level 93.50 below lsd, Feb. 23, 1943; lowest 110.78 below lsd, Jan. 14, 1953. Records available: 1942-45, 1947-53. Jan. 14, 110.78.

62h. F. W. Dodson. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. A. Lat. 34°12', long. 102°11'. Drilled irrigation water-table well in sand, depth 185 feet. Highest water level 81.88 below lsd, Feb. 23, 1945; lowest 99.32 below lsd, Jan. 14, 1953. Records available: 1942-53. Jan. 14, 99.32.

71. A. S. Nafzger. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, blk. O2. Lat. 34°08', long. 102°07'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 170 feet. Highest water level 59.58 below lsd, Feb. 8, 1944; lowest 74.02 below lsd, Jan. 13, 1951. Records available: 1937, 1942-45, 1947-53. Jan. 15, 71.31.

76. F. E. Gladden. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, blk. T1. Lat. 34°11', long. 102°14'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 220 feet. Highest water level 68.89 below lsd, Mar. 2, 1946; lowest 87.16 below lsd, Jan. 14, 1953. Records available: 1937-39, 1941-44, 1946-50, 1953. Jan. 14, 87.16.

88. Halsell Cattle Co. SW $\frac{1}{4}$ lab. 20, lge. 238. Lat. 34°06', long. 101°25'. Drilled stock water-table well in sand, diameter 4 inches, depth 42 feet. Highest water level 32.61 below lsd, Mar. 14, 1942; lowest 39.29 below lsd, June 22, 1939. Records available: 1937-42, 1944-53. Jan. 15, 37.20.

231. Vincent Peterman. Center of NE $\frac{1}{4}$ lab. 16, lge. 218. Lat. 34°06', long. 102°35'. Drilled domestic water-table well in sand, diameter 4 inches, depth 136 feet. Highest water level 92.61 below lsd, Feb. 17, 1950; lowest 101.60 below lsd, Feb. 2, 1944. Records available: 1937-42, 1944, 1946-53. Jan. 15, 94.81.

236. L. D. Criswell. NW $\frac{1}{4}$ SE $\frac{1}{4}$ lab. 24, lge. 649. Lat. 33°59', long. 102°23'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 135 feet. Highest water level 67.90 below lsd, Feb. 20, 1948; lowest 78.94 below lsd, Nov. 18, 1940. Records available: 1937-38, 1940-48, 1951-53. Jan. 15, 77.53.

243. Les Barker. Center of lab. 5, lge. 664. Lat. 33°56', long. 102°21'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 130 feet. Highest water level 74.00 below lsd, Feb. 10, 1948; lowest 80.21 below lsd, Jan. 15, 1953. Records available: 1937-48, 1950-53. Jan. 15, 80.21.

307. Hubert Couch. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 125, blk. A. Lat. 33°49', long. 102°12'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 100 feet. Highest water level 31.70 below lsd, May 5, 1937; lowest 52.41 below lsd, Jan. 15, 1953. Records available: 1937, 1947 1947-53. Jan. 15, 52.41.

322. R. A. Hipps. NW. cor. lab. 16, lge. 671. Lat. 33°53', long. 102°16'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 100 feet. Highest water level 35.35 below lsd, Jan. 29, 1944; lowest 54.56 below lsd, Jan. 15, 1953. Records available: 1937-53. Jan. 15, 54.56.

341a. Yellow House Land Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ lab. 23, lge. 671. Lat. 33°52', long. 102°14'. Drilled irrigation water-table well in sand. Highest water level 37.84 below lsd, Jan. 29, 1944; lowest 59.15 below lsd, Jan. 15, 1953. Records available: 1937-53. Jan. 15, 59.15.

Liberty County.

10. C. W. Dove. Lat. 30°19', long. 95°02'. Drilled unused artesian well in sand, diameter 4 inches, depth 304 feet. Highest water level 3.90 below lsd, Apr. 5, 1950; lowest 11.26 below lsd, Oct. 7, 1952. Records available: 1945, 1948-52. Measurement discontinued.

13. Corrigan Lumber Co. Cleveland. Lat. 30°20', long. 95°05'. Drilled unused artesian well in sand, diameter 6 inches, depth 200 feet. Highest water level 21.90 below lsd, Apr. 5, 1950; lowest 28.40 below lsd, Jan. 26, 1945. Records available: 1945, 1948-53. Apr. 9, 25.43; Oct. 14, 26.46.

20. M. A. Ellis. Lat. 30°24', long. 95°00'. Drilled irrigation artesian well in sand, diameter 18 to 12 inches, depth 226 feet, casing slotted opposite sands below 57. Highest water level 25.38 below lsd, Apr. 16, 1951; lowest 37.58 below lsd, Oct. 21, 1948. Records available: 1943, 1948-53. Apr. 9, 29.67.

24. J. W. Whatley. Lat. 30°22', long. 94°58'. Drilled unused water-table well in sand, diameter 8 inches, depth 52 feet. Highest water level 28.92 below lsd, Oct. 30, 1950; lowest 33.50 below lsd, Apr. 5, 1945. Records available: 1945, 1948-53. Apr. 9, 32.42; Oct. 14, 32.76.

28. Harvard Ranch. Lat. 30°13', long. 94°57'. Drilled unused artesian well in sand, diameter 4 inches, depth 204 feet. Highest water level 39.45 below lsd, Jan. 25, 1945; lowest 52.24 below lsd, Oct. 14, 1953. Records available: 1945, 1948-53. Apr. 9, 49.60; Oct. 14, 52.24.

61. C. Die. Lat. 30°25', long. 94°53'. Drilled domestic artesian well in sand, diameter 4 inches, depth 140 feet, screen 130-140. Highest water level 49.50 below lsd, Apr. 4, 1945; lowest 59.20 below lsd, Oct. 14, 1953. Records available: 1945, 1948-53. Apr. 9, 54.43; Oct. 14, 59.20.

71. John Griffin. Lat. 30°26', long. 94°45'. Drilled domestic artesian well in sand, diameter 4 inches, depth 165 feet. Highest water level 39.56 below lsd, Apr. 5, 1950; lowest 44.5 below lsd, Oct. 30, 1950. Records available: 1945, 1948-53. Apr. 9, 42.63; Oct. 14, 43.00.

77. W. A. Conner. Lat. 30°07', long. 94°55'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 742 feet, casing slotted opposite sands below 150. Highest water level 48.33 below lsd, Apr. 19, 1945; lowest 100.61 below lsd, Oct. 6, 1952. Records available: 1945, 1948-53. Apr. 7, 67.21; Oct. 13, 97.32.

81. D. A. Reidland. Lat. 30°06', long. 94°58'. Drilled irrigation artesian well in sand, diameter 20 to 8 inches, depth 1,000 feet, casing slotted opposite sands below 120. Highest water level 38.55 below lsd, Apr. 19, 1945; lowest 84.09 below lsd, Oct. 15, 1948. Records available: 1945, 1948-53. Apr. 7, 66.19.

85. E. J. Stoesser well 1. Lat. 30°04', long. 95°00'. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 808 feet, casing slotted opposite sands below 135. Highest water level 55.09 below lsd, Feb. 19, 1948; lowest 102.29 below lsd, Oct. 6, 1952. Records available: 1944, 1948-53. Oct. 13, 96.00.

88. Leo Moreau. Lat. 30°02', long. 94°57'. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, casing slotted opposite sands below 240. Highest water level 52.82 below lsd, Apr. 18, 1945; lowest 107.50 below lsd, Oct. 6, 1952. Records available: 1945, 1948-53. Apr. 7, 78.49.

124. Peoples Lumber & Supply Co. Dayton. Lat. 30°02', long. 94°53'. Drilled industrial artesian well in sand, diameter 4 inches, depth 685 feet, screen 665-686. Highest water level 59.0 below lsd, Jan. 27, 1945; lowest 84.73 below lsd, Oct. 9, 1951. Records available: 1945, 1948-51, 1953. Apr. 7, 72.65.

125. Humble Pipe Line Co. Lat. 30°00', long. 94°53'. Drilled unused artesian well in sand, diameter 6 inches, depth 400 feet. Highest water level 49.46 below lsd, Jan. 27, 1945; lowest 81.61 below lsd, Oct. 6, 1952. Records available: 1945, 1948-53. Oct. 14, 80.85.

141. Russ Mitchell Co. Lat. 30°05', long. 94°54'. Drilled unused artesian well in sand, diameter 4 inches, depth 413 feet. Highest water level 48.28 below lsd, Feb. 19, 1948; lowest 100.07 below lsd, Oct. 6, 1952. Records available: 1936, 1948-53. Apr. 9, 73.71; Oct. 13, 94.25.

152. S. E. Viles. Lat. 30°09', long. 94°43'. Drilled unused artesian well in sand, diameter 4 inches, depth 228 feet. Highest water level 34.90 below lsd, June 7, 1945; lowest 56.99 below lsd, Oct. 7, 1952. Records available: 1945, 1948-53. Apr. 10, 44.08.

173. Hamill & Smith. Lat. 30°05', long. 94°38'. Drilled industrial artesian well in sand, diameter 5 inches, depth 255 feet, screen 228-255. Highest water level 17.0 below lsd, 1938; lowest 54.54 below lsd, Oct. 7, 1952. Records available: 1938, 1948-53. Apr. 10, 37.69; Oct. 14, 50.91.

178. City of Liberty. Liberty. Lat. 30°03', long. 94°47'. Drilled unused artesian well in sand, diameter 8 inches, depth 680 feet. Highest water level 7.0 above lsd, Dec. 7, 1944; lowest 17.53 below lsd, Oct. 13, 1953. Records available: 1944, 1948-53. Apr. 7, 11.33; Oct. 13, 17.53.

179. City of Liberty well 3. Lat. 30°03', long. 94°47'. Drilled public-supply artesian well in sand, diameter 13 to 7 inches, depth 565 feet, screen 445-562. Highest water level 0.58 above lsd, Nov. 26, 1943; lowest 51.19 below lsd, Oct. 13, 1953. Records available: 1943-44, 1948-53. Apr. 7, 36.36; Oct. 13, 51.19.

182. City of Liberty. Lat. 30°03', long. 94°47'. Drilled unused artesian well in sand, diameter 4 inches, depth 651 feet. Highest water level 8.0 above lsd, Nov. 7, 1944; lowest 26.13 below lsd, Oct. 13, 1953. Records available: 1944, 1948-53. Apr. 7, 19.95; Oct. 13, 26.13.

216. Devers Canal Co. Lat. 29°56', long. 94°46'. Drilled domestic artesian well in sand, diameter 3 inches, depth 176 feet, screen 170-176. Highest water level 3.60 below lsd, Dec. 8, 1944; lowest 8.89 below lsd, Oct. 8, 1952. Records available: 1944, 1948-53. Apr. 7, 8.12; Oct. 13, 8.80.

222. A. R. Milintz. Lat. 29°58', long. 94°43'. Drilled farm artesian well in sand, diameter 4 inches, depth 275 feet, screen 261-273. Highest water level 10.73 below lsd, June 16, 1945; lowest 25.26 below lsd, Oct. 8, 1952. Records available: 1945, 1948-53. Apr. 7, 20.00.

234. B. H. Willis Estate. Lat. 30°00', long. 94°30'. Drilled unused artesian well in sand, diameter 6 inches, depth 180 feet. Highest water level 12.56 below lsd, Feb. 20, 1948; lowest 18.39 below lsd, Oct. 14, 1953. Records available: 1945, 1948-53. Oct. 14, 18.39.

237. Sinclair Pipe Line Co. Lat. 30°01', long. 94°30'. Drilled domestic artesian well in sand, diameter 8 to 6 inches, depth 492 feet, screen 429-492. Highest water level 11.92 below lsd, June 20, 1945; lowest 28.99 below lsd, Oct. 14, 1953. Records available: 1945, 1948-53. Apr. 10, 24.15; Oct. 14, 28.99.

Lubbock County

35a. A. M. Becton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 138, blk. C. Lat. 33°47', long. 101°36'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 365 feet. Highest water level 94.03 below lsd, Feb. 25, 1948; lowest 108.49 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 108.49.

37. Claude H. Dalton. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 149, blk. C. Lat. 33°46', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 240 feet. Highest water level 70.96 below lsd, Feb. 22, 1944; lowest 89.72 below lsd, Jan. 25, 1952. Records available: 1937, 1939-53. Jan. 8, 88.72.
- 50a. L. D. Phillips. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, blk. D7. Lat. 33°42', long. 101°40'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet. Highest water level 73.50 below lsd, Mar. 6, 1947; lowest 93.38 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 93.38.
- 74a. J. S. George. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 37, blk. A. Lat. 33°40', long. 101°51'. Drilled stock water-table well in sand, diameter 5 inches, depth 52 feet. Highest water level 28.30 below lsd, July 28, 1941; lowest 46.80 below lsd, Jan. 12, 1953. Records available: 1938-47, 1949, 1951, 1953. Jan. 12, 46.80.
- 75b. J. B. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, blk. A. Lat. 33°41', long. 101°51'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 58.68 below lsd, Mar. 7, 1947; lowest 86.35 below lsd, Jan. 12, 1953. Records available: 1947-53. Jan. 12, 86.35.
- 77a. J. H. Felton. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, blk. A. Lat. 33°41', long. 101°50'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 137 feet. Highest water level 69.83 below lsd, June 23, 1939; lowest 85.04 below lsd, Jan. 31, 1952. Records available: 1938-40, 1943-52. No measurement made in 1953.
81. J. E. Vickers. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, blk. A. Lat. 33°39', long. 101°50'. Drilled irrigation water-table well in sand, depth 160 feet. Highest water level 39.78 below lsd, Dec. 27, 1941; lowest 55.55 below lsd, Jan. 15, 1953. Records available: 1936-50, 1952-53. Jan. 15, 55.55.
83. Billy Meyers. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, blk. A. Lat. 33°39', long. 101°52'. Drilled irrigation water-table well in sand. Highest water level 45.40 below lsd, Mar. 8, 1947; lowest 54.19 below lsd, Jan. 12, 1953. Records available: 1947-51, 1953. Jan. 12, 54.19.
99. R. B. Gray. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, blk. P. Lat. 33°43', long. 102°04'. Drilled irrigation water-table well in sand, diameter 19 inches, depth 108 feet. Highest water level 20.66 below lsd, Feb. 1, 1943; lowest 38.24 below lsd, June 21, 1938. Records available: 1937-38, 1940, 1942-53. Jan. 11, 33.62.
101. J. E. Armes. SW. cor. sec. 38, blk. P. Lat. 33°41', long. 102°04'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 175 feet, cased to 135. Highest water level 61.64 below lsd, Nov. 18, 1940; lowest 85.22 below lsd, Jan. 11, 1953. Records available: 1937-41, 1943, 1945, 1949-53. Jan. 11, 85.22.
107. B. G. Lokey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, blk. D5. Lat. 33°41', long. 101°59'. Drilled domestic water-table well in sand, diameter 6 inches, depth 75 feet. Highest water level 43.56 below lsd, Feb. 1, 1943; lowest 54.91 below lsd, Jan. 13, 1953. Records available: 1937-53. Jan. 13, 54.91.
114. G. W. McCleary. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, blk. JS. Lat. 33°38', long. 101°58'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 143 feet. Highest water level 58.98 below lsd, Mar. 8, 1947; lowest 70.39 below lsd, Jan. 30, 1952. Records available: 1947-52. No measurement made in 1953.
118. T. C. James. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 17, blk. JS. Lat. 33°36', long. 101°59'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 100 feet. Highest water level 79.56 below lsd, Feb. 4, 1944; lowest 105.63 below lsd, Jan. 11, 1953. Records available: 1936-39, 1941-53. Jan. 11, 105.63.
- 119a. V. L. Cade. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 2, blk. D6. Lat. 33°35', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 213 feet. Highest water level 78.41 below lsd, Mar. 8, 1947; lowest 93.09 below lsd, Jan. 31, 1952. Records available: 1947-52. No measurement made in 1953.
121. Brown. SE $\frac{1}{4}$ sec. 1, blk. D6. Lat. 33°35', long. 101°58'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 208 feet, cased to 208. Highest water level 72.70 below lsd, Feb. 18, 1943; lowest 89.53 below lsd, Jan. 31, 1952. Records available: 1937-45, 1947-52. No measurement made in 1953.
123. R. C. Robbs. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, blk. JS. Lat. 33°35', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 185 feet. Highest water level 61.20 below lsd, Feb. 18, 1943; lowest 80.30 below lsd, Jan. 12, 1953. Records available: 1936-53. Jan. 12, 80.30.

132. J. W. Ross, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, blk. E2. Lat. 33°35', long. 101°55'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 202 feet. Highest water level 46.69 below lsd, Mar. 20, 1947; lowest 66.52 below lsd, Jan. 12, 1953. Records available: 1947-53. Jan. 12, 66.52.

138. S. F. Faulkner. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, blk. JS. Lat. 33°37', long. 101°57'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 120 feet. Highest water level 34.54 below lsd, Feb. 1, 1943; lowest 57.70 below lsd, Jan. 11, 1953. Records available: 1937-43, 1945-53. Jan. 11, 57.70.

139. J. W. Ellis. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, blk. JS. Lat. 33°38', long. 101°56'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 120 feet. Highest water level 21.43 below lsd, Feb. 21, 1943; lowest 38.48 below lsd, Jan. 11, 1953. Records available: 1937-53. Jan. 11, 38.48.

154. John King. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, blk. A. Lat. 33°35', long. 101°54'. Drilled unused water-table well in sand, diameter 18 inches, depth 160 feet. Highest water level 34.82 below lsd, Feb. 18, 1943; lowest 61.60 below lsd, Jan. 12, 1953. Records available: 1937-47, 1949-53. Jan. 12, 61.60.

156. J. M. Phillips. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. A. Lat. 33°36', long. 101°53'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 152 feet, cased to 80. Highest water level 37.81 below lsd, Feb. 1, 1943; lowest 67.59 below lsd, Jan. 12, 1953. Records available: 1936-53. Jan. 12, 67.59.

188. State Experiment Station No. 8. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, blk. O. Lat. 33°35', long. 101°47'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 185 feet, cased to 124, slotted 74-124. Highest water level 74.29 below lsd, Mar. 1, 1945; lowest 82.92 below lsd, Jan. 10, 1953. Records available: 1937-42, 1944-53. Jan. 10, 82.92.

216. Darby. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. RG. Lat. 33°36', long. 101°40'. Drilled farm water-table well in sand, diameter 6 inches, depth 78 feet. Highest water level 46.62 below lsd, Feb. 22, 1944; lowest 62.19 below lsd, Jan. 9, 1953. Records available: 1937, 1944-53. Jan. 9, 62.19.

219. E. N. Harrison. NW. cor. sec. 5, blk. RG. Lat. 33°38', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 193 feet, cased to 108. Highest water level 33.78 below lsd, Jan. 28, 1943; lowest 56.60 below lsd, Jan. 9, 1953. Records available: 1937-50, 1952-53. Jan. 9, 56.60.

222. R. T. Groves. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. RG. Lat. 33°38', long. 101°39'. Drilled unused water-table well in sand, diameter 12 inches, depth 250 feet. Highest water level 47.50 below lsd, Feb. 8, 1944; lowest 64.07 below lsd, Jan. 9, 1953. Records available: 1937-50, 1952-53. Jan. 9, 64.07.

223. W. C. Grimes. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, blk. PG. Lat. 33°37', long. 101°38'. Drilled unused water-table well in sand, diameter 6 inches, depth 64 feet. Highest water level 47.65 below lsd, Oct. 10, 1939; lowest 44.25 below lsd, Jan. 9, 1953. Records available: 1937-53. Jan. 9, 44.25.

234a. R. A. Boyd. SW $\frac{1}{4}$ lab. 12, lge. 4, S. A. C. S. L. Lat. 33°34', long. 101°38'. Drilled irrigation water-table well in sand, depth 160 feet. Highest water level 58.06 below lsd, Mar. 11, 1947; lowest 69.24 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 69.24.

301. Mrs. Francis Neutzler. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 68, blk. S. Lat. 33°28', long. 101°47'. Drilled farm water-table well in sand, diameter 6 inches, depth 70 feet. Highest water level 49.58 below lsd, Feb. 7, 1944; lowest 70.41 below lsd, Jan. 10, 1953. Records available: 1937, 1939-41, 1943-50, 1952-53. Jan. 10, 70.41. Measurement discontinued.

314. C. M. Bender. SW. cor. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, blk. B. Lat. 33°33', long. 101°54'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 150 feet, cased to 101, slotted 41-101. Highest water level 43.12 below lsd, Feb. 27, 1945; lowest 55.50 below lsd, Jan. 11, 1953. Records available: 1937-53. Jan. 11, 55.50.

331a. James Locker. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, blk. CB. Lat. 33°27', long. 102°01'. Drilled unused water-table well in sand. Highest water level 70.60 below lsd, Feb. 10, 1944; lowest 87.50 below lsd, Jan. 10, 1953. Records available: 1938-45, 1947-53. Jan. 10, 87.50. Measurement discontinued.

338. George Langford. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, blk. A. Lat. 33°32', long. 101°59'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 174 feet. Highest water level 64.91 below lsd, Mar. 21, 1947; lowest 84.16 below lsd, Jan. 11, 1953. Records available: 1947-51, 1953. Jan. 11, 84.16.

339. J. E. Hinson. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 34, blk. AK. Lat. 33°32', long. 101°58'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 162 feet, cased to 15. Highest water level 59.50 below lsd, Feb. 21, 1945; lowest 80.22 below lsd, Jan. 11, 1953. Records available: 1937, 1939-51, 1953. Jan. 11, 80.22.

355. J. A. Medlock. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, blk. CB. Lat. 33°29', long. 102°03'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 188 feet. Highest water level 82.03 below lsd, Feb. 27, 1945; lowest 93.03 below lsd, Jan. 29, 1952. Records available: 1937-52. No measurement made in 1953.

371a. L. E. Evans. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 110, blk. 20. Lat. 33°25', long. 101°48'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 86.32 below lsd, Mar. 10, 1947; lowest 101.80 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 101.80.

375a. V. P. Henrich. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, blk. 20. Lat. 33°24', long. 101°44'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 78.40 below lsd, Mar. 11, 1947; lowest 94.50 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 94.50.

379c. H. F. Schilling. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, blk. 24. Lat. 33°24', long. 101°41'. Drilled irrigation water-table well in sand. Highest water level 62.37 below lsd, Mar. 11, 1947; lowest 88.76 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 88.76.

392. Mrs. Betty Lindsey and others. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, blk. D6. Lat. 33°34', long. 102°04'. Drilled stock water-table well in sand, diameter 6 inches, depth 95 feet. Highest water level 89.72 below lsd, Feb. 28, 1946; lowest 103.60 below lsd, Jan. 11, 1953. Records available: 1937-39, 1942-53. Jan. 11, 103.60.

398. E. E. Ireland. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, blk. D5. Lat. 33°39', long. 101°57'. Drilled irrigation water-table well in sand, diameter 40 to 10 inches, depth 56 feet. Highest water level 10.29 below lsd, Feb. 1, 1943; lowest 33.90 below lsd, Jan. 11, 1953. Records available: 1937-47, 1949-53. Jan. 11, 33.90.

421. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, blk. JS. Lat. 33°39', long. 101°58'. Drilled irrigation water-table well in sand. Highest water level 37.46 below lsd, Mar. 20, 1947; lowest 60.60 below lsd, Jan. 11, 1953. Records available: 1947-49, 1951, 1953. Jan. 11, 60.60.

473. F. H. Cannon. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 147, blk. C. Lat. 33°47', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 300 feet, cased to 290, slotted 90-290. Highest water level 92.48 below lsd, Feb. 23, 1948; lowest 109.0 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 109.0.

473a. G. K. Bullock. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 146, blk. C. Lat. 33°47', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 342 feet. Highest water level 89.48 below lsd, Mar. 6, 1947; lowest 106.49 below lsd, Jan. 25, 1952. Records available: 1947-53. Jan. 8, 108.40.

490. George D. Whiting. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 148, blk. C. Lat. 33°45', long. 101°38'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 250 feet, cased to 250, slotted below 85. Highest water level 84.36 below lsd, Feb. 18, 1948; lowest 100.39 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 100.39.

492. Donald Bledsoe. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 149, blk. C. Lat. 33°45', long. 101°38'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 257 feet, cased to 257. Highest water level 75.83 below lsd, Mar. 12, 1947; lowest 91.24 below lsd, Jan. 25, 1952. Records available: 1944, 1947-53. Jan. 8, 89.91.

497. A. B. Steen. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. D7. Lat. 33°44', long. 101°39'. Drilled irrigation water-table well in sand. Highest water level 89.03 below lsd, Feb. 18, 1948; lowest 101.09 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 101.09.

498. V. C. and Ed. Snodgrass. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 151, blk. C. Lat. 33°44', long. 101°38'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 263 feet, cased to 257, slotted 85-250. Highest water level 84.43 below lsd, Feb. 22, 1944; lowest 104.47 below lsd, Jan. 8, 1953. Records available: 1941, 1944-45, 1947-53. Jan. 8, 104.47.

509. E. A. Hendrick. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 94, blk. C. Lat. 33°42', long. 101°35'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 247 feet, cased to 247, slotted 107-247. Highest water level 83.22 below lsd, Feb. 18, 1948; lowest 97.27 below lsd, Jan. 8, 1953. Records available: 1941, 1947-53. Jan. 8, 97.27.

514. E. A. Hendrick. $SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$ sec. 94, blk. C. Lat. $33^{\circ}41'$, long. $101^{\circ}35'$. Drilled irrigation water-table well in sand, depth 245 feet. Highest water level 83.04 below lsd, Mar. 6, 1947; lowest 96.69 below lsd, Jan. 8, 1953. Records available: 1947-51, 1953. Jan. 8, 96.69.

515. E. A. Hendrick. $NE\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$ sec. 94, blk. C. Lat. $33^{\circ}42'$, long. $101^{\circ}34'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 244 feet, cased to 244. Highest water level 87.09 below lsd, Mar. 6, 1947; lowest 103.52 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 103.52.

528a. Aubrey Pounds. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 127, blk. C. Lat. $33^{\circ}37'$, long. $101^{\circ}37'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 276 feet. Highest water level 64.0 below lsd, Mar. 11, 1947; lowest 74.51 below lsd, Jan. 28, 1952. Records available: 1947-53. Jan. 9, 73.77.

560. G. L. Manning. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 39, blk. D7. Lat. $33^{\circ}40'$, long. $101^{\circ}42'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 206 feet. Highest water level 52.77 below lsd, Feb. 18, 1948; lowest 64.32 below lsd, Jan. 28, 1952. Records available: 1947-52. No measurement made in 1953.

571. H. W. Lasater. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 12, blk. RG. Lat. $33^{\circ}37'$, long. $101^{\circ}40'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 170 feet, cased to 170. Highest water level 38.70 below lsd, Nov. 21, 1944; lowest 55.12 below lsd, Jan. 9, 1953. Records available: 1944, 1947-53. Jan. 9, 55.12.

583a. Douglas Pounds. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 160, blk. C. Lat. $33^{\circ}36'$, long. $101^{\circ}38'$. Drilled irrigation water-table well in sand. Highest water level 47.86 below lsd, Mar. 11, 1947; lowest 53.30 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 53.30.

595. C. C. Sherrod. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 68, blk. A. Lat. $33^{\circ}36'$, long. $101^{\circ}43'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 133 feet. Highest water level 56.21 below lsd, Feb. 19, 1948; lowest 69.93 below lsd, Jan. 10, 1953. Records available: 1947-53. Jan. 10, 69.93.

601. Robert S. Collins. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 25, blk. A. Lat. $33^{\circ}36'$, long. $101^{\circ}46'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 132 feet, cased to 121. Highest water level 64.24 below lsd, Feb. 19, 1948; lowest 74.58 below lsd, Jan. 10, 1953. Records available: 1947-53. Jan. 10, 74.58.

609. H. M. Kinnard, Jr. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 45, blk. A. Lat. $33^{\circ}38'$, long. $101^{\circ}46'$. Drilled irrigation water-table well in sand. Highest water level 36.51 below lsd, Mar. 12, 1947; lowest 46.82 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 46.82.

630a. Cecil Brashear. $NE\frac{1}{4}NW\frac{1}{4}$ sec. 61, blk. A. Lat. $33^{\circ}42'$, long. $101^{\circ}44'$. Drilled irrigation water-table well in sand, diameter 12 inches, depth 176 feet. Highest water level 68.54 below lsd, Feb. 19, 1948; lowest 83.69 below lsd, Jan. 26, 1952. Records available: 1947-53. Jan. 8, 83.55.

650. Elmer Edwards. $NE\frac{1}{4}SW\frac{1}{4}$ sec. 6, blk. D3. Lat. $33^{\circ}40'$, long. $101^{\circ}47'$. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 67.09 below lsd, Mar. 7, 1947; lowest 82.65 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 82.65.

690. O. C. Horne. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 1, blk. D4. Lat. $33^{\circ}38'$, long. $101^{\circ}52'$. Drilled irrigation water-table well in sand, diameter 14 inches, depth 120 feet, cased to 120. Highest water level 44.70 below lsd, Mar. 8, 1947; lowest 59.26 below lsd, Jan. 12, 1953. Records available: 1947-53. Jan. 12, 59.26.

702. L. E. McMenemy. $NW\frac{1}{4}NE\frac{1}{4}NW\frac{1}{4}$ sec. 12, blk. D2. Lat. $33^{\circ}41'$, long. $101^{\circ}54'$. Drilled irrigation water-table well in sand, diameter 19 to 13 inches, depth 170 feet, cased to 170. Highest water level 80.23 below lsd, Mar. 7, 1947; lowest 93.29 below lsd, Jan. 12, 1953. Records available: 1947-53. Jan. 12, 93.29.

734. E. E. Elliott. $SW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$ sec. 24, blk. JS. Lat. $33^{\circ}38'$, long. $101^{\circ}58'$. Drilled irrigation water-table well in sand, diameter 16 inches, depth 158 feet. Highest water level 44.01 below lsd, Mar. 20, 1947; lowest 63.11 below lsd, Jan. 11, 1953. Records available: 1947-53. Jan. 11, 63.11.

766. Lloyd Huffaker. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 3, blk. D6. Lat. $33^{\circ}35'$, long. $102^{\circ}01'$. Drilled irrigation water-table well in sand, diameter 15 inches, depth 189 feet, cased to 189. Highest water level 84.61 below lsd, Mar. 8, 1947; lowest 104.30 below lsd, Jan. 11, 1953. Records available: 1947-51, 1953. Jan. 11, 104.30.

766a. Lloyd Huffaker. SE $\frac{1}{4}$ sec. 3, blk. D6. Lat. 33°35', long. 102°00'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 205 feet. Highest water level 86.69 below lsd, Mar. 8, 1947; lowest 101.61 below lsd, Jan. 11, 1953. Records available: 1947-51, 1953. Jan. 11, 101.61.

775a. M. L. Sheppard. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, blk. D6. Lat. 33°32', long. 102°02'. Drilled irrigation water-table well in sand, diameter 16 inches. Highest water level 77.01 below lsd, Mar. 10, 1947; lowest 93.47 below lsd, Jan. 11, 1953. Records available: 1947-53. Jan. 11, 93.47.

776. S. B. Nelson. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, blk. D6. Lat. 33°32', long. 102°01'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 172 feet, cased to 172. Highest water level 78.08 below lsd, Mar. 8, 1947; lowest 93.70 below lsd, Jan. 31, 1952. Records available: 1947-52. Measurement discontinued.

818a. J. B. Patterson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, blk. 20. Lat. 33°23', long. 101°46'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 199 feet. Highest water level 92.05 below lsd, Mar. 10, 1947; lowest 105.09 below lsd, Jan. 29, 1952. Records available: 1947-52. No measurement made in 1953.

820a. F. H. Griffin. SW. cor. sec. 8, blk. 20. Lat. 33°24', long. 101°47'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 208 feet. Highest water level 88.60 below lsd, Mar. 5, 1945; lowest 104.19 below lsd, Jan. 29, 1952. Records available: 1945, 1947-52. Measurement discontinued.

839. Plez McMurlen. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, blk. E. Lat. 33°27', long. 101°52'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 150 feet. Highest water level 77.68 below lsd, Feb. 16, 1943; lowest 94.65 below lsd, Jan. 10, 1953. Records available: 1942-43, 1945, 1947-53. Jan. 10, 94.65.

843a. Ed. Gordon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, blk. E. Lat. 33°29', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 155 feet. Highest water level 74.37 below lsd, Mar. 21, 1947; lowest 90.99 below lsd, Jan. 10, 1953. Records available: 1947-53. Jan. 10, 90.99.

853a. Glenn N. Wages. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, blk. S. Lat. 33°32', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 112 feet. Highest water level 47.13 below lsd, Mar. 11, 1947; lowest 51.79 below lsd, Feb. 1, 1952. Records available: 1947-53. Jan. 10, 51.47.

868a. W. T. Lemon. SW. cor. NW $\frac{1}{4}$ sec. 75, blk. S. Lat. 33°27', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 170 feet. Highest water level 71.74 below lsd, Mar. 2, 1948; lowest 83.30 below lsd, Jan. 27, 1952. Records available: 1947-50, 1952. No measurement made in 1953.

868b. W. T. Lemon. SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 75, blk. S. Lat. 33°27', long. 101°47'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 163 feet. Highest water level 81.03 below lsd, Mar. 10, 1947; lowest 102.90 below lsd, Jan. 10, 1953. Records available: 1947-50, 1952-53. Jan. 10, 102.90.

887b. Earl Rogers. NE $\frac{1}{4}$ lab. 28, lge. 4, S. A. C. S. L. Lat. 33°33', long. 101°38'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 147 feet. Highest water level 70.15 below lsd, Mar. 11, 1947; lowest 76.04 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 76.04.

Lynn County

701. E. E. Fagg. NE $\frac{1}{4}$ sec. 41, blk. 8. Lat. 33°00', long. 101°48'. Drilled farm water-table well in sand, diameter 6 inches, depth 72 feet. Highest water level 63.35 below lsd, Mar. 30, 1949; lowest 66.43 below lsd, Sept. 24, 1937. Records available: 1937-39, 1942-44, 1949-52. No measurement made in 1953.

703. Levi Gray. SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 34, blk. 8. Lat. 33°00', long. 101°48'. Drilled farm water-table well in sand, diameter 6 inches, depth 75 feet. Highest water level 62.10 below lsd, Mar. 30, 1949; lowest 64.38 below lsd, July 12, 1937. Records available: 1937-40, 1949-52. No measurement made in 1953.

709. M. M. Davis. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 208, blk. 4. Lat. 33°05', long. 101°47'. Drilled water-table well in sand, diameter 36 inches, depth 24 feet. Highest water level 3.36 below lsd, July 12, 1937; lowest 22.42 below lsd, Mar. 30, 1949. Records available: 1937-40, 1949-53. Jan. 16, 20.74.

711. Carl Griffin. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 207, blk. 4. Lat. 33°06', long. 101°48'. Dug farm water-table well in sand, diameter 36 inches, depth 24 feet. Highest water level 7.20 below lsd, Sept. 23, 1937; lowest 18.83 below lsd, Mar. 30, 1949. Records available: 1937-38, 1949-53. Jan. 16, 18.02.

Matagorda County

33. Turtle Bay School. Lat. 28°43', long. 96°17'. Drilled unused artesian well in Lissie formation, diameter 2 inches, depth 361 feet. Highest water level 1.99 above lsd, May 4, 1938; lowest 30.95 below lsd, Mar. 19, 1953. Records available: 1938-46, 1948-53. Mar. 19, 30.95.

40. City of Palacios. Lat. 28°42', long. 96°12'. Drilled unused artesian well in Lissie formation, diameter 12 inches, depth 590 feet. Highest water level 4.53 above lsd, May 3, 1938; lowest 20.41 below lsd, Mar. 19, 1953. Records available: 1934, 1938-46, 1948-53. Mar. 19, 20.41.

Maverick County

M3-7a. M. Rambie. Lat. 28°55', long. 100°06'. Drilled farm artesian well in Carrizo sand, diameter 5 inches, depth 50 feet. Highest water level 42.37 below lsd, July 12, 1946; lowest 46.48 below lsd, Sept. 17, 1951. Records available: 1946-51. Measurement discontinued.

Medina County

I-2-7. Alfred Schlentz. Lat. 29°27', long. 99°11'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 400 feet. Land-surface datum is 971.93 feet above msl. Highest water level 168.82 below lsd, July 8, 1937; lowest 262.39 below lsd, Apr. 9, 1953. Records available: 1930, 1934, 1937-45, 1947-53. Apr. 9, 262.39; Aug. 13, 255.42; Nov. 23, 247.55.

I-3-3. Gus Britch. Lat. 29°24', long. 99°07'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 300 feet. Land-surface datum is 933.54 feet above msl. Highest water level 120.59 below lsd, Nov. 2, 1949; lowest 248.97 below lsd, Aug. 13, 1953. Records available: 1930, 1934, 1937-53. Apr. 9, 240.16; Aug. 13, 248.97; Nov. 23, 231.91.

I-3-4. H. W. McClain. Lat. 29°26', long. 99°06'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 237 feet. Land-surface datum is 944.17 feet above msl. Highest water level 157.83 below lsd, July 8, 1937; lowest 237.00 below lsd, Apr. 9, 1953. Records available: 1930, 1934, 1937-53. Apr. 9, 237.00; Nov. 23, 233.63.

I-4-18. Ross Kennedy Estate. Lat. 29°19', long. 99°24'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 1,600 feet. Land-surface datum is 967.32 feet above msl. Highest water level 191.31 below lsd, July 8, 1937; lowest 274.00 below lsd, Aug. 13, 1953. Records available: 1930, 1934, 1937-53. Apr. 9, 259.08; Aug. 13, 274.00; Nov. 24, 269.82.

I-4-29. Will Kelly. Lat. 29°15', long. 99°20'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 1,303 feet. Land-surface datum is 949.96 feet above msl. Highest water level 180.92 below lsd, July 8, 1937; lowest 268.02 below lsd, Aug. 13, 1953. Records available: 1930, 1934, 1937-38, 1940-53. Apr. 9, 257.51; Aug. 13, 268.02; Nov. 23, 266.68.

I-4-30. Ray McGlauphlin. Lat. 29°10', long. 99°19'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 2,000 feet. Land-surface datum is 784.14 feet above msl. Highest water level 18.15 below lsd, Nov. 12, 1941; lowest 100.58 below lsd, Aug. 13, 1953. Records available: 1930, 1934, 1937-38, 1940-53. Apr. 9, 91.2; Aug. 13, 100.58; Nov. 23, 91.8.

XM-3. John Krenmueller. Lat. 29°20', long. 98°59'. Drilled domestic water-table well in limestone, diameter 5 inches, depth 110 feet. Highest water level 37.03 below lsd, Feb. 23, 1950; lowest 72.71 below lsd, Aug. 25, 1952. Records available: 1937-45, 1947-53. Apr. 9, 69.43; Aug. 13, 70.44; Nov. 24, 68.72.

Montgomery County

22. City of Conroe. Lat. 30°18', long. 95°27'. Drilled unused artesian well in sand, diameter 8 inches, depth 1,464 feet, screen 1,125-1,272. Highest water level 1.08 above lsd, May 29, 1944; lowest 19.74 below lsd, June 22, 1953. Records available: 1931, 1939-53. Feb. 2, 11.78; June 22, 19.74; Oct. 2, 19.07; Dec. 9, 11.72.

29. Brown Estate. Lat. 30°17', long. 95°27'. Dug unused water-table well in sand, diameter 4 feet, depth 30 feet, cribbed with brick to 8. Highest water level 13.48 below lsd, Jan. 31, 1947; lowest 26.30 below lsd, Feb. 11, 1952. Records available: 1931-36, 1938-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.84	25.57	25.11	24.69	24.35	21.78	23.16	23.86	24.36	24.65	25.07	.....
2	25.84	25.59	25.00	24.70	24.38	21.83	23.13	23.86	24.34	24.66	25.10	.....
3	25.82	25.58	25.11	24.70	24.32	21.84	23.16	23.90	24.32	24.67	25.06	.....
4	25.79	25.58	25.25	24.68	24.26	21.85	23.22	23.93	24.35	24.69	25.07	.....
5	25.75	25.56	25.20	24.61	24.13	21.92	23.27	23.91	24.38	24.70	25.11	.....
6	25.74	25.56	25.23	24.61	23.91	21.99	23.27	23.92	24.40	24.73	25.13	.....
7	25.75	25.58	.....	24.64	23.79	22.09	23.28	23.97	24.40	24.75	25.13	.....
8	25.71	25.58	.....	24.65	23.75	22.17	23.31	23.98	24.40	24.76	25.16	.....
9	25.72	25.57	.....	24.64	23.70	22.29	23.35	23.97	24.41	24.77	25.17	25.39
10	25.72	25.54	.....	24.64	23.67	22.46	23.40	24.00	24.41	24.77	25.17	.....
11	25.72	25.52	.....	24.59	23.60	22.49	23.40	24.02	24.42	24.78	25.18	.....
12	25.71	25.55	25.00	.....	23.57	22.49	23.40	24.06	24.42	24.81	25.18	.....
13	25.68	25.50	24.94	.....	23.57	22.45	23.40	24.06	24.40	24.85	.....	.....
14	25.66	25.48	24.93	24.67	23.33	22.41	23.44	24.08	24.41	24.86	.....	.....
15	25.66	25.50	24.94	24.65	22.98	22.44	23.47	24.09	24.42	24.87	.....	.....
16	25.69	25.50	24.92	24.68	22.73	22.55	23.52	24.10	24.43	24.87	.....	25.45
17	25.66	25.54	24.83	24.62	22.57	22.69	23.56	24.13	24.45	24.89	.....	25.46
18	25.63	25.43	24.83	24.62	22.39	22.67	23.58	24.14	24.48	24.91	.....	25.46
19	25.61	25.40	24.85	24.74	22.11	22.70	23.58	24.08	24.47	24.92	.....	25.31
20	25.61	25.41	24.78	24.71	21.85	22.74	23.60	24.15	24.48	24.93	.....	25.28
21	25.62	25.56	24.77	24.67	21.77	22.82	23.62	24.20	24.52	24.94	.....	25.25
22	25.67	25.48	24.77	24.67	21.68	22.87	23.67	24.22	24.56	24.96	.....	25.28
23	25.61	25.32	24.81	24.63	21.61	22.89	23.69	24.22	24.54	24.97	.....	25.38
24	25.67	25.29	24.82	24.60	21.56	22.88	23.71	24.25	24.55	24.98	.....	25.36
25	25.64	25.28	24.80	24.66	21.59	22.92	23.74	24.27	24.56	24.98	.....	25.33
26	25.61	25.25	24.75	24.70	21.62	22.99	23.78	24.29	24.57	24.95	.....	25.28
27	25.60	25.22	24.73	24.65	21.64	23.01	23.79	24.30	24.58	25.04	.....	25.16
28	25.63	25.12	24.74	24.51	21.66	23.01	23.78	24.31	24.60	25.02	.....	25.16
29	25.60	.....	24.71	24.35	21.67	23.09	23.78	24.28	24.62	25.04	.....	25.22
30	25.58	.....	24.68	24.29	21.66	23.22	23.82	24.31	24.64	25.05	.....	25.22
31	25.57	.....	24.68	.....	21.69	.....	23.86	24.34	.....	25.05	.....	25.22

45. Blair & Sons. Tamina. Lat. 30°10', long. 95°26'. Dug farm water-table well in sand, diameter 24 inches, depth 30 feet, cased with concrete to 30. Highest water level 10.50 below lsd, Mar. 17, 1947; lowest 26.78 below lsd, Aug. 21, 1935. Records available: 1931-36, 1938-53. Feb. 2, 15.72; June 22, 14.33.

46. E. W. Castleschouldt. Lat. 30°10', long. 95°27'. Dug farm water-table well in sand, diameter 24 inches, depth 35 feet, cased with concrete to 35. Highest water level 27.46 below lsd, Feb. 14, 1950; lowest 31.96 below lsd, Aug. 25, 1940. Records available: 1931-36, 1938-53. Feb. 2, 29.15; June 22, 29.33; Oct. 2, 29.65; Dec. 9, 29.43.

57. R. E. Hix and J. W. Bolinghouse. Lat. 30°20', long. 95°28'. Dug farm water-table well in sand, diameter 36 inches, depth 48 feet, cased with concrete to 48. Highest water level 37.94 below lsd, June 4, 1947; lowest 44.93 below lsd, Dec. 9, 1953. Records available: 1940-53. Feb. 2, 44.53; June 22, 44.69; Oct. 2, 44.92; Dec. 9, 44.93.

140. J. M. Liles, test hole R-2. Lat. 30°19', long. 95°27'. Drilled observation water-table well in sand, diameter 1½ inches, depth 21 feet, screen 19-21. Highest water level 0.63 below lsd, Jan. 28, 1944; lowest 13.36 below lsd, Feb. 11, 1952. Records available: 1940-53. Feb. 2, 13.17; June 22, 10.53; Oct. 2, 12.17; Dec. 9, 12.59.

Nacogdoches County

18. City of Cushing. Lat. 31°48', long. 94°50'. Drilled public-supply artesian well in Carrizo sand, diameter 6 inches, depth 320 feet, screen 280-320. Land-surface datum is 409 feet above msl. Highest water level 113.84 below lsd, Apr. 21, 1942; lowest 125.62 below lsd, Sept. 4, 1951. Records available: 1942-45, 1948-53. Jan. 27, 122.45; Mar. 5, 121.21; Mar. 31, 119.55; Apr. 28, 120.63; May 26, 119.99; June 26, 123.00.

113a. Wm. McCruistian. Lat. 31°41', long. 94°38'. Drilled farm artesian well in Carrizo sand, diameter 9 to 6 inches, depth 400 feet. Highest water level 72.02 below lsd, June 12, 1938; lowest 99.23 below lsd, Nov. 16, 1951. Records available: 1937-45, 1948-52. No measurement made in 1953.

121. City of Nacogdoches well 2. Lat. $31^{\circ}26'$, long. $94^{\circ}39'$. Drilled public-supply artesian well in Carrizo sand, diameter 20 to 8 inches, depth 500 feet. Highest water level 19.37 below lsd, June 17, 1937; lowest 184.04 below lsd, July 17, 1953. Records available: 1937, 1939-44, 1948-53. July 17, 184.04.

122. City of Nacogdoches well 1. Lat. $31^{\circ}36'$, long. $94^{\circ}39'$. Drilled public-supply well in Carrizo sand, diameter 20 to 8 inches, depth 485 feet. Highest water level 18.04 below lsd, June 17, 1937; lowest 175.25 below lsd, July 17, 1953. Records available: 1937, 1939-44, 1948-53. July 17, 175.25.

127. J. T. Hall. Lat. $31^{\circ}39'$, long. $94^{\circ}39'$. Drilled unused artesian well in Carrizo sand, diameter 4 inches, depth 2,007 feet, cased to 1,400, perforation 540. Highest water level 144.60 below lsd, Feb. 22, 1943; lowest 216.36 below lsd, July 16, 1953. Records available: 1943-45, 1948-53. July 16, 216.36.

178. Shell Pipe Line Co. Lat. $31^{\circ}26'$, long. $94^{\circ}53'$. Drilled industrial artesian well in Carrizo sand, diameter 5 inches, depth 500 feet. Highest water level 81.31 below lsd, Apr. 7, 1940; lowest 145.40 below lsd, July 16, 1953. Records available: 1940-45, 1948-53. July 16, 145.40.

271. L. C. Jacobs. Lat. $31^{\circ}29'$, long. $94^{\circ}31'$. Drilled oil test converted to stock artesian well in Carrizo sand, diameter 6 inches, depth 400 feet. Highest water level 48.0 above lsd, July 13, 1940; lowest 60.30 below lsd, July 16, 1953. Records available: 1940-44, 1948-53. July 16, 60.30.

322. Southland Paper Mills, Inc. well C7-0. Lat. $31^{\circ}27'$, long. $94^{\circ}40'$. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 718 feet, screen 664-669. Land-surface datum is 200.7 feet above msl. Highest water level 6.72 above lsd, Sept. 11, 1941; lowest 199.00 below lsd, July 15, 1953. Records available: 1941-53. May 6, 194.54; July 15, 199.00.

325. Southland Paper Mills, Inc. well C9-0. Lat. $31^{\circ}27'$, long. $94^{\circ}34'$. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 678 feet, screen 655-670. Land-surface datum is 298 feet above msl. Highest water level 79.86 below lsd, Oct. 22, 1941; lowest 217.75 below lsd, July 15, 1953. Records available: 1941-53. July 15, 217.75.

331. Southland Paper Mills, Inc. well W4-0. Lat. $31^{\circ}29'$, long. $94^{\circ}42'$. Drilled observation artesian well in Wilcox group, diameter 2 inches, depth 984 feet, screen 805-810. Land-surface datum is 270.90 feet above msl. Highest water level 38.84 below lsd, Dec. 2, 1941; lowest 164.34 below lsd, July 15, 1953. Records available: 1941-53. May 6, 161.82; July 15, 164.34.

Parker County

4. H. McMillan. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 16 S. Lat. $34^{\circ}20'$, long. $102^{\circ}57'$. Drilled farm water-table well in sand, diameter 4 inches, depth 136 feet. Highest water level 114.60 below lsd, Feb. 2, 1952; lowest 124.25 below lsd, June 22, 1937. Records available: 1937, 1949-53. Jan. 13, 115.00.

6. Mrs. K. Hamlin. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 16 S. Lat. $34^{\circ}22'$, long. $102^{\circ}59'$. Drilled farm water-table well in sand, diameter 4 inches, depth 175 feet. Highest water level 153.05 below lsd, Feb. 13, 1950; lowest 157.19 below lsd, Sept. 15, 1937. Records available: 1937-38, 1942-45, 1948-53. Jan. 15, 153.95.

9. J. T. Coburn. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, T. 9 S. Lat. $34^{\circ}26'$, long. $102^{\circ}58'$. Drilled farm water-table well in sand, diameter 5 inches, depth 220 feet. Highest water level 209.55 below lsd, Mar. 17, 1949; lowest 215.05 below lsd, Jan. 21, 1951. Records available: 1937-39, 1948-53. Jan. 15, 212.37.

10. J. M. Gunn. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 7 S. Lat. $34^{\circ}29'$, long. $102^{\circ}54'$. Drilled farm water-table well in sand, diameter 4 inches, depth 192 feet. Highest water level 209.40 below lsd, Feb. 1, 1952; lowest 169.59 below lsd, Oct. 26, 1937. Records available: 1937-38, 1948-53. Jan. 15, 167.08.

11a. T. J. Hawks. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, Davis survey. Lat. $34^{\circ}42'$, long. $102^{\circ}34'$. Drilled farm water-table well in sand, diameter 14 inches, depth 160 feet. Highest water level 117.24 below lsd, Mar. 30, 1939; lowest 124.13 below lsd, Jan. 15, 1953. Records available: 1938-39, 1948-50, 1953. Jan. 15, 124.13.

12. Capitol Syndicate. NE. part of sec. 11, T. 7 S. Lat. $34^{\circ}32'$, long. $102^{\circ}51'$. Drilled farm water-table well in sand, diameter 4 inches, depth 235 feet. Highest water level 161.85 below lsd, Mar. 17, 1948; lowest 168.95 below lsd, Jan. 12, 1938. Records available: 1937-38, 1948-53. Jan. 15, 163.68.

15. A. C. Hays. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, T. 1 N., R. 5 E. Lat. 34°40', long. 102°35'. Drilled unused water-table well in sand, diameter 9 inches, depth 165 feet. Highest water level 138.22 below lsd, Feb. 18, 1944; lowest 142.59 below lsd, Feb. 5, 1952. Records available: 1942-44, 1947-52. Measurement discontinued.

20. J. W. Cobb. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, Harrah survey. Lat. 34°39', long. 102°33'. Drilled irrigation water-table well in sand, diameter 12 inches, depth 185 feet. Highest water level 107.51 below lsd, Mar. 27, 1947; lowest 115.91 below lsd, Jan. 15, 1953. Records available: 1947-53. Jan. 15, 115.91.

323. W. L. Clappitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 15 S. Lat. 34°20', long. 102°55'. Drilled farm water-table well in sand, diameter 3 inches, depth 109 feet. Highest water level 100.50 below lsd, Mar. 17, 1948; lowest 102.77 below lsd, June 22, 1937. Records available: 1937, 1948-50, 1952-53. Jan. 15, 101.85.

Randall County

103. W. H. Bush Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 64, blk. B5. Lat. 34°57', long. 101°54'. Drilled stock water-table well in sand. Highest water level 8.09 below lsd, June 14, 1937; lowest 11.16 below lsd, Sept. 29, 1939. Records available: 1937-43, 1946-53. Jan. 15, 10.50.

110. Price Bros. NW. cor. sec. 66, blk. B5. Lat. 34°57', long. 101°56'. Drilled farm water-table well in sand, diameter 4 inches, depth 75 feet. Highest water level 50.19 below lsd, Jan. 12, 1952; lowest 56.25 below lsd, Mar. 15, 1948. Records available: 1937, 1941-43, 1946-53. Jan. 16, 50.40.

145a. Owner unknown. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. B5. Lat. 35°00', long. 102°03'. Drilled unused water-table well in sand, diameter 6 inches, depth 122 feet. Highest water level 110.90 below lsd, Jan. 17, 1952; lowest 111.73 below lsd, June 10, 1938. Records available: 1936-42, 1946-52. No measurement made in 1953.

189a. W. F. Miller. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 109, blk. M8. Lat. 34°45', long. 101°49'. Drilled unused water-table well in sand, diameter 5 inches, depth 100 feet. Highest water level 89.18 below lsd, Mar. 7, 1949; lowest 96.74 below lsd, Mar. 19, 1941. Records available: 1938-41, 1947-53. Jan. 15, 94.19.

A2a. City of Amarillo. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 134, blk. 9. Lat. 35°06', long. 102°00'. Drilled observation water-table well in sand, diameter 13 to 10 inches, depth 200 feet, cased to 200, casing slotted bottom 34 feet. Highest water level 106.22 below lsd, July 8, 1948; lowest 134.51 below lsd, Oct. 5, 1953. Records available: 1948-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	131.86	131.90	131.99	132.11	132.34	132.78	133.41	134.02	134.43	.....	.....
2	.....	131.89	131.98	131.99	132.10	132.38	132.82	133.44	134.02	134.46	.....	.....
3	.....	131.92	131.98	131.99	132.10	132.38	132.83	133.49	134.06	134.49	.....	.....
4	.....	131.86	132.02	131.96	132.09	132.37	132.87	133.52	134.07	134.48	.....	.....
5	.....	131.87	132.01	132.00	132.09	132.41	132.87	133.52	134.06	134.51	.....	.....
6	.....	131.87	132.02	131.95	132.00	132.40	132.87	133.57	134.11	134.47	.....	.....
7	.....	131.90	132.06	132.02	132.08	132.49	132.90	133.58	134.11	134.47	.....	.....
8	.....	131.89	132.00	131.98	132.08	132.47	132.92	133.60	134.13	134.44	.....	.....
9	.....	131.95	131.96	132.06	132.05	132.48	132.94	133.60	134.14	134.42	.....	.....
10	.....	131.93	132.01	131.95	132.12	132.49	132.95	133.63	134.16	134.43	.....	.....
11	.....	131.94	132.00	131.99	132.10	132.50	132.96	133.67	134.16	134.39	.....	.....
12	.....	131.95	132.00	132.00	132.17	132.52	133.03	133.67	134.19	134.39	.....	.....
13	.....	131.90	131.95	132.00	132.14	132.53	133.04	133.68	134.17	134.36	.....	.....
14	.....	131.97	132.05	132.04	132.10	132.55	133.08	133.71	134.21	.....	.....	.....
15	.....	131.90	131.98	131.05	132.12	132.57	133.08	133.71	134.21	.....	.....	.....
16	.....	132.00	132.00	131.96	132.15	132.58	133.10	133.76	134.22	.....	.....	.....
17	.....	131.94	131.98	132.03	132.18	132.60	133.13	133.77	134.24	.....	.....	.....
18	131.73	131.90	131.99	132.07	132.18	132.57	133.13	133.79	134.25	.....	.....	.....
19	131.75	131.97	131.98	132.05	132.16	132.57	133.16	133.81	134.26	.....	.....	.....
20	131.76	132.03	131.95	131.98	132.19	132.60	133.15	133.82	134.27	.....	.....	.....
21	131.74	131.99	132.01	132.05	132.18	132.60	133.20	133.84	134.29	.....	.....	.....
22	131.80	131.95	132.02	132.04	132.20	132.61	133.21	133.85	134.27	.....	.....	.....
23	131.82	131.95	132.04	132.03	132.19	132.62	133.23	133.87	134.31	.....	.....	.....
24	131.84	131.96	132.04	132.05	132.24	132.63	133.28	133.89	134.33	.....	.....	.....
25	131.77	132.00	131.98	132.06	132.24	132.70	133.30	133.93	134.34	.....	.....	.....
26	131.84	131.98	132.03	132.02	132.27	132.67	133.33	133.94	134.35	.....	.....	.....
27	131.85	132.01	132.02	132.00	132.26	132.70	133.34	133.94	134.37	.....	.....	.....
28	131.83	131.95	131.96	132.02	132.25	132.75	133.35	133.96	134.35	.....	.....	.....
29	131.84	.....	132.00	132.02	132.21	132.76	133.37	133.99	134.46	.....	.....	.....
30	131.86	.....	132.03	132.06	132.34	132.78	133.37	134.01	134.43	.....	.....	.....
31	131.89	.....	132.03	.....	132.35	.....	133.38	134.02	.....	.....	.....	.....

San Patricio County

69. O. V. Coopender. Lat. 27°53', long. 97°12'. Drilled domestic artesian well in sand, diameter 4 inches, depth 60 feet. Land-surface datum is 11.65 feet above msl. Highest water level 14.8 below lsd, Nov. 21, 1947; lowest 26.27 below lsd, Jan. 20, 1942. Records available: 1938-42, 1945, 1947, 1949-51. Measurement discontinued.

80. Lewis Caldwell. Lat. 27°52', long. 97°11'. Drilled farm artesian well in sand, diameter 4 inches, depth 90 feet. Land-surface datum is 15.44 feet above msl. Highest water level 12.76 below lsd, Nov. 15, 1949; lowest 17.59 below lsd, Aug. 6, 1940. Records available: 1938-42, 1945, 1947, 1949-51, 1953. Dec. 8, 15.61.

85. W. H. Bryan. Lat. 27°53', long. 97°11'. Drilled unused water-table well in sand, diameter 4 inches, depth 35 feet. Land-surface datum is 15.73 feet above msl. Highest water level 14.10 below lsd, Nov. 15, 1949; lowest 21.23 below lsd, Dec. 12, 1939. Records available: 1938-42, 1945, 1947, 1949-51, 1953. Dec. 7, 16.54.

129. B. A. Linderman. Lat. 27°54', long. 97°09'. Drilled unused artesian well in sand, diameter 4 inches, depth 76 feet. Land-surface datum is 13.41 feet above msl. Highest water level 8.92 below lsd, Dec. 27, 1945; lowest 15.48 below lsd, Dec. 9, 1953. Records available: 1938, 1940-42, 1945, 1947, 1949, 1951, 1953. Dec. 9, 15.48.

140. Bruce Hannah. Lat. 27°52', long. 97°11'. Drilled farm water-table well in sand, diameter 4 inches, depth 24 feet. Land-surface datum is 15 feet above msl. Highest water level 14.46 below lsd, Nov. 16, 1949; lowest 21.98 below lsd, Aug. 5, 1940. Records available: 1938-42, 1945, 1947, 1949-51, 1953. Dec. 8, 17.11.

Swisher County

1. Will Vaughn. NW cor. sec. 10, blk. M6. Lat. 34°40', long. 101°55'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 203 feet. Highest water level 88.73 below lsd, May 31, 1943; lowest 95.50 below lsd, Jan. 15, 1953. Records available: 1937, 1943, 1947-53. Jan. 15, 95.50.

2. I. Irlbeck. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 63, blk. M8. Lat. 34°41', long. 101°51'. Drilled unused water-table well in sand, diameter 6 inches, depth 94 feet. Highest water level 76.70 below lsd, Jan. 15, 1953; lowest 78.01 below lsd, Dec. 13, 1938. Records available: 1937-53. Jan. 15, 76.70.

36. W. C. Cowan. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3, blk. W1. Lat. 34°35', long. 101°48'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 226 feet. Highest water level 53.70 below lsd, Feb. 10, 1944; lowest 61.83 below lsd, Jan. 22, 1952. Records available: 1934, 1937, 1940-49, 1951-52. No measurement made in 1953.

37. H. H. Terrell. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, blk. W1. Lat. 34°34', long. 101°48'. Drilled irrigation water-table well in sand, diameter 10 inches, depth 250 feet. Highest water level 62.67 below lsd, Sept. 13, 1937; lowest 78.20 below lsd, Jan. 15, 1953. Records available: 1937-44, 1946-53. Jan. 16, 78.20.

40. Murray Vise. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, blk. W1. Lat. 34°36', long. 101°46'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 285 feet. Highest water level 59.28 below lsd, May 29, 1943; lowest 68.85 below lsd, Jan. 15, 1953. Records available: 1937, 1943, 1947-50, 1952-53. Jan. 15, 68.85.

50. C. W. Rousseau. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, blk. W1. Lat. 34°32', long. 101°45'. Drilled unused water-table well in sand, diameter 6 inches, depth 69 feet. Highest water level 58.55 below lsd, Feb. 25, 1946; lowest 67.30 below lsd, Jan. 13, 1953. Records available: 1937-41, 1943, 1946-53. Jan. 13, 67.30. Measurement discontinued.

80. Marshall Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 77, blk. M8. Lat. 34°32', long. 101°50'. Drilled irrigation water-table well in sand. Highest water level 68.34 below lsd, Mar. 15, 1947; lowest 81.70 below lsd, Jan. 15, 1953. Records available: 1947-53. Jan. 15, 81.70.

101. C. J. Levitt. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 95, blk. M9. Lat. 34°41', long. 101°43'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 230 feet, cased to 188, slotted below 70. Highest water level 70.63 below lsd, Mar. 17, 1947; lowest 78.10 below lsd, Jan. 14, 1953. Records available: 1947-53. Jan. 14, 78.10.

108. Joe Richardson. Lab. 24, lge. 4, S. J. C. S. L. Lat. 34°38', long. 101°30'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 210 feet. Highest water level 70.66 below lsd, Apr. 20, 1934; lowest 83.35 below lsd, Jan. 14, 1953. Records available: 1934, 1937, 1943, 1945-53. Jan. 14, 83.35.

433. E. E. Cox. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, blk. K. Lat. 34°24', long. 101°29'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 265 feet, cased to 238. Highest water level 102.53 below lsd, Mar. 12, 1947; lowest 114.78 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 114.78.
438. Frederick Rousser. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. K. Lat. 34°23', long. 101°51'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 216 feet. Highest water level 111.40 below lsd, Mar. 13, 1937; lowest 132.20 below lsd, Jan. 13, 1953. Records available: 1937, 1948-49, 1951-53. Jan. 13, 132.20.
448. C. A. Davis. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, blk. C4. Lat. 34°21', long. 101°49'. Drilled irrigation water-table well in sand. Highest water level 85.09 below lsd, Feb. 28, 1948; lowest 131.82 below lsd, Jan. 7, 1953. Records available: 1947-53. Jan. 7, 101.82.
480. R. Q. Silverthorne. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, blk. K. Lat. 34°20', long. 101°56'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 203 feet, cased to 203, slotted 63-203. Highest water level 73.6 below lsd, Dec. 7, 1945; lowest 89.35 below lsd, Jan. 9, 1953. Records available: 1945, 1947-49, 1951-53. Jan. 9, 89.35.
498. J. F. Benefield. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, blk. M11. Lat. 34°30', long. 101°58'. Drilled irrigation water-table well in sand, depth 200 feet. Highest water level 94.71 below lsd, Mar. 1, 1948; lowest 101.94 below lsd, Jan. 8, 1953. Records available: 1947-50, 1952-53. Jan. 8, 101.94.
507. Clyde Bradford. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 68, blk. M8. Lat. 34°37', long. 101°52'. Drilled irrigation water-table well in sand, depth 175 feet. Highest water level 80.7 below lsd, Nov. 27, 1945; lowest 88.60 below lsd, Jan. 15, 1953. Records available: 1945, 1947-53. Jan. 15, 88.60.
702. Charles T. Herring. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 112, blk. A. Lat. 34°31', long. 101°34'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 59.10 below lsd, May 15, 1943; lowest 46.15 below lsd, Feb. 14, 1950. Records available: 1943, 1947-53. Jan. 14, 44.40.
704. C. L. Gunter. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 117, blk. A. Lat. 34°28', long. 101°36'. Drilled irrigation water-table well in sand. Highest water level 38.42 below lsd, Mar. 14, 1947; lowest 43.25 below lsd, Jan. 13, 1953. Records available: 1945, 1947-53. Jan. 13, 48.25.
705. C. L. Gunter. SE. cor. sec. 117, blk. A. Lat. 34°28', long. 101°35'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 171 feet. Highest water level 48.80 below lsd, Mar. 14, 1947; lowest 63.90 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 63.90.
709. J. C. Johnson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 95, blk. A. Lat. 34°28', long. 101°32'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 179 feet, slotted casing 80-140. Highest water level 82.92 below lsd, Mar. 14, 1947; lowest 100.40 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 100.40.
743. F. P. Ham. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 74, blk. B2. Lat. 34°23', long. 101°31'. Drilled irrigation water-table well in sand, depth 162 feet. Highest water level 53.53 below lsd, Mar. 14, 1947; lowest 65.87 below lsd, Jan. 9, 1953. Records available: 1947-53. Jan. 9, 65.87.
806. L. B. LeMaster. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, blk. W1. Lat. 34°30', long. 101°45'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 168 feet, cased to 150. Highest water level 61.31 below lsd, Mar. 14, 1947; lowest 67.58 below lsd, Jan. 23, 1952. Records available: 1947-52. No measurement made in 1953.
815. Roy Stockett. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, blk. M13. Lat. 34°27', long. 101°43'. Drilled irrigation water-table well in sand. Highest water level 66.49 below lsd, Mar. 14, 1947; lowest 65.59 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 81.59.
821. W. Boston. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, blk. M13. Lat. 34°25', long. 101°47'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, cased to 140, slotted 80-140. Highest water level 86.20 below lsd, Mar. 12, 1947; lowest 103.28 below lsd, Jan. 8, 1953. Records available: 1945, 1947-53. Jan. 8, 103.28.
858. W. Sorelle. NE. cor. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 41, blk. M13. Lat. 34°24', long. 101°44'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet. Highest water level 60.62 below lsd, Mar. 13, 1947; lowest 77.73 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 77.73.
889. A. A. Boling. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 38, blk. M14. Lat. 34°23', long. 101°40'. Drilled irrigation water-table well in sand. Highest water level 75.98 below lsd, Mar. 13, 1947; lowest 6.10 below lsd, Jan. 14, 1953. Records available: 1947-53. Jan. 14, 86.10.

896. Roy Stockett. NW. cor. NE $\frac{1}{4}$ sec. 16, blk. M15. Lat. 34°28', long. 101°42'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 202 feet. Highest water level 55.23 below lsd, Mar. 14, 1947; lowest 65.24 below lsd, Jan. 13, 1953. Records available: 1947-53. Jan. 13, 65.24.

932. Harry Chenoweth. SW. cor. sec. 12, blk. K2. Lat. 34°26', long. 101°53'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 270 feet, cased to 170. Highest water level 95.87 below lsd, Mar. 15, 1947; lowest 112.90 below lsd, Jan. 8, 1953. Records available: 1947-49, 1951-53. Jan. 8, 112.90.

935. F. L. Lemley. SW. cor. sec. 5, blk. K. Lat. 34°25', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 208 feet. Highest water level 87.21 below lsd, Mar. 12, 1947; lowest 99.95 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 99.95.

936. F. L. Lemley. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, blk. K. Lat. 34°25', long. 101°50'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 210 feet, cased to 210, slotted below 64. Highest water level 92.68 below lsd, Mar. 12, 1947; lowest 108.55 below lsd, Jan. 8, 1953. Records available: 1947-53. Jan. 8, 108.55.

947. Otis Harman. NW. cor. sec. 23, blk. M11. Lat. 34°29', long. 101°52'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 243 feet, cased to 146, slotted 70-146. Highest water level 80.40 below lsd, Mar. 15, 1947; lowest 91.26 below lsd, Jan. 8, 1953. Records available: 1947-49, 1951-53. Jan. 8, 91.26.

Terry County

2. J. P. Cox. NW. cor. SE $\frac{1}{4}$ sec. 47, blk. DD. Lat. 33°00', long. 102°29'. Drilled farm water-table well in sand, diameter 4 inches, depth 120 feet. Highest water level 98.15 below lsd, Jan. 21, 1953; lowest 105.58 below lsd, June 25, 1937. Records available: 1937-40, 1943-44, 1953. Jan. 21, 98.15.

14. J. S. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 82, blk. T. Lat. 33°14', long. 102°15'. Drilled stock water-table well in sand, diameter 6 inches, depth 102 feet. Highest water level 71.69 below lsd, Feb. 4, 1952; lowest 87.23 below lsd, June 23, 1937. Records available: 1937-40, 1950, 1952-53. Feb. 18, 1950, 74.15; Feb. 4, 1952, 71.69; Jan. 21, 1953, 75.25.

16. Challis Baptist Church. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 64, blk. 4X. Lat. 33°16', long. 102°14'. Drilled domestic water-table well in sand, diameter 6 inches, depth 114 feet. Highest water level 83.57 below lsd, Jan. 21, 1953; lowest 97.39 below lsd, June 23, 1937. Records available: 1937-44, 1949-53. Jan. 21, 83.57.

17a. Watkins. SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, blk. 4X. Lat. 33°13', long. 102°14'. Drilled stock water-table well in sand, diameter 6 inches, depth 90 feet. Highest water level 76.78 below lsd, Feb. 25, 1944; lowest 83.82 below lsd, Mar. 31, 1949. Records available: 1938-40, 1943-44, 1949, 1952-53. Jan. 21, 78.90.

21a. Crump. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, blk. 4X. Lat. 33°18', long. 102°12'. Drilled unused water-table well in sand, diameter 6 inches, depth 88 feet. Highest water level 59.50 below lsd, Feb. 5, 1952; lowest 68.09 below lsd, Nov. 20, 1940. Records available: 1939-44, 1949-53. Jan. 21, 60.52.

Travis County

261. H. C. Warren. Lat. 30°17', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 270 feet. Land-surface datum is 903.93 feet above msl. Highest water level 198.30 below lsd, July 24, 1941; lowest 230.80 below lsd, Jan. 6, 1951. Records available: 1940-46, 1948-53. Apr. 15, 227.53; Dec. 15, 228.30.

266. Robinson Ranch. Lat. 30°26', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 276 feet. Land-surface datum is 831.37 feet above msl. Highest water level 157.06 below lsd, May 25, 1945; lowest 247.70 below lsd, Jan. 6, 1951. Records available: 1940-46, 1948-53. Apr. 15, 245.64; Dec. 16, 244.26.

280. Travis County. Lat. 30°24', long. 97°42'. Dug domestic water-table well in Austin chalk, diameter 28 inches, depth 20 feet. Highest water level 7.72 below lsd, Apr. 11, 1944; lowest 21.40 below lsd, Jan. 8, 1952. Records available: 1939-46, 1948-53. Apr. 15, 13.41; Dec. 15, 11.45.

322. Carl Wagner. Lat. 30°21', long. 97°41'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 464 feet. Land-surface datum is 721.41 feet above msl. Highest water level 113.58 below lsd, July 24, 1941; lowest 188.50 below lsd, Sept. 4, 1952. Records available: 1940-46, 1948-53. Apr. 15, 180.59.

323. Joe Crow. Lat. 30°20', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 400 feet. Land-surface datum is 874.14 feet above msl. Highest water level 62.97 below lsd, July 24, 1941; lowest 117.58 below lsd, Aug. 11, 1942. Records available: 1940-46, 1948-53. Apr. 15, 93.79; Dec. 17, 93.20.

327. Walling Estate. Lat. 30°19', long. 97°42'. Drilled unused artesian well in Edwards limestone, diameter 5 inches, depth 442 feet. Land-surface datum is 717.87 feet above msl. Highest water level 132.14 below lsd, May 25, 1945; lowest 188.47 below lsd, Dec. 19, 1952. Records available: 1940-46, 1948-53. Apr. 15, 182.61.

328. Walling Estate. Lat. 30°19', long. 97°42'. Dug unused water-table well in Austin chalk, diameter 35 inches, depth 37 feet. Highest water level 4.39 below lsd, July 24, 1941; lowest 32.07 below lsd, Aug. 12, 1942. Records available: 1940-46, 1948-53. Apr. 15, 19.77.

341. Austin Memorial Park Cemetery. Lat. 30°19', long. 97°45'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 330 feet. Land-surface datum is 706.89 feet above msl. Highest water level 191.89 below lsd, Dec. 15, 1953; lowest 215.73 below lsd, Mar. 9, 1953. Records available: 1949-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	210.07	213.54	215.13	214.47	211.08	.....	214.95	215.07	214.47	215.10	205.34	213.27
2	210.00	213.52	215.13	214.37	211.08	.....	214.88	215.00	214.19	214.95	205.65	207.97
3	210.00	213.52	215.13	214.21	211.18	.....	214.78	214.98	213.98	214.94	206.02	204.47
4	210.01	213.54	215.30	214.05	211.35	.....	214.82	214.94	212.29	214.95	206.34	202.27
5	210.20	213.51	215.45	213.84	211.59	.....	214.94	214.94	212.15	215.00	206.66	200.19
6	210.37	213.52	215.52	213.65	211.75	.....	215.02	214.95	212.15	215.08	207.06	198.19
7	210.63	213.52	215.60	213.50	217.85	.....	215.00	215.03	212.19	215.06	207.42	196.67
8	210.85	213.59	215.67	213.41	211.94	.....	215.00	215.12	212.40	215.06	207.97	195.53
9	211.14	213.60	215.73	213.39	212.00	.....	215.03	214.84	212.69	215.08	208.53	194.55
10	211.42	213.76	215.69	213.37	212.11	.....	215.01	214.84	212.99	215.15	208.97	193.77
11	211.69	213.92	215.05	213.30	212.29	.....	214.94	214.78	213.27	215.23	209.33	193.47
12	212.05	214.15	214.23	213.30	212.44	.....	214.86	214.81	213.50	215.28	209.72	193.14
13	212.22	214.25	213.75	213.42	.....	.....	214.83	214.85	213.61	215.16	210.10	192.67
14	212.32	214.35	213.57	213.40	.....	.....	214.82	214.82	213.73	215.10	210.49	192.17
15	212.35	214.49	213.46	213.41	.....	.....	214.91	214.82	213.85	215.03	210.78	191.87
16	212.61	214.55	213.41	213.62	.....	.....	215.02	214.75	213.95	214.99	211.05	191.97
17	212.73	214.75	213.34	213.65	.....	.....	215.07	214.71	214.04	214.99	211.31	192.08
18	212.72	214.89	213.37	213.67	.....	.....	215.07	214.67	214.13	215.00	211.50	192.33
19	212.67	214.80	213.42	213.91	212.26	.....	215.00	214.68	214.22	215.06	211.66	192.67
20	212.67	214.80	213.52	214.01	212.26	.....	214.98	214.75	214.28	215.13	211.85	193.00
21	212.66	215.02	213.58	213.88	212.35	.....	214.98	214.88	214.35	215.22	212.08	193.40
22	212.90	215.21	213.70	213.79	212.50	.....	214.85	214.97	214.44	215.32	212.34	194.00
23	212.92	215.28	213.89	213.65	212.62	.....	214.82	214.91	214.48	210.75	212.56	194.68
24	213.04	215.22	214.11	212.99	212.68	.....	214.80	214.88	214.56	208.53	212.65	195.48
25	213.20	215.20	214.35	212.94	212.77	214.78	214.79	214.80	214.66	207.12	212.90	196.22
26	213.25	215.20	214.50	212.95	212.92	214.82	214.74	214.94	214.76	205.87	213.13	196.92
27	213.27	215.18	214.61	213.02	.....	214.89	214.74	214.99	214.81	204.92	213.23	197.55
28	213.40	215.15	214.75	212.89	.....	214.96	214.77	215.00	214.92	204.63	213.39	198.16
29	213.55	.....	214.83	211.57	.....	214.92	214.87	215.01	214.97	204.82	213.58	198.84
30	213.59	.....	214.82	211.17	.....	214.93	215.04	214.82	215.00	204.66	213.74	199.55
31	213.58	.....	214.63	.....	.....	.....	215.12	214.65	.....	205.03	.....	200.26

392. Tom Williams. Lat. 30°23', long. 97°44'. Drilled farm water-table well in limestone, diameter 6 inches, depth 49 feet. Land-surface datum is 872.73 feet above msl. Highest water level 8.09 below lsd, Mar. 28, 1946; lowest 21.42 below lsd, Apr. 15, 1953. Records available: 1940-46, 1948-53. Apr. 15, 21.42; Dec. 15, 18.19.

414. J. R. McElroy. Lat. 30°25', long. 97°45'. Drilled farm water-table well in limestone, diameter 6 inches, depth 90 feet. Land-surface datum is 950.09 feet above msl. Highest water level 37.64 below lsd, Mar. 29, 1946; lowest 41.19 below lsd, Aug. 12, 1952. Records available: 1940-46, 1948-53. Apr. 15, 41.12; Dec. 15, 40.62.

460. Rosa Dellanna. Lat. 30°16', long. 97°46'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 135 feet. Highest water level 74.38 below lsd, July 28, 1941; lowest 88.28 below lsd, Apr. 24, 1952. Records available: 1937, 1941-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	86.92	Apr. 28	85.25	July 28	84.53	Oct. 23	84.71
Feb. 26	86.18	May 26	84.76	Aug. 24	84.73	Nov. 27	84.14
Mar. 25	86.78	June 25	84.44	Sept. 28	84.64	Dec. 21	83.31

502. H. S. Lawson Estate. Lat. 30°11', long. 97°46'. Dug unused water-table well in Austin chalk, diameter 6 feet, depth 25 feet. Highest water level 0.90 above lsd, Jan. 29, 1947; lowest 19.38 below lsd, Jan. 7, 1951. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	8.10	Apr. 27	11.82	July 28	16.00	Oct. 23	15.72
Feb. 26	8.55	May 26	12.51	Aug. 24	16.84	Nov. 27	14.71
Mar. 25	11.11	June 25	14.59	Sept. 25	15.35	Dec. 21	8.16

527. Sarah Moore. Lat. 30°13', long. 97°57'. Dug unused water-table well in limestone, diameter 4 feet, depth 50 feet. Highest water level 1.26 below lsd, Apr. 27, 1950; lowest 23.44 below lsd, Jan. 30, 1940. Records available: 1937-52. Measurement discontinued.

618. Homer Heep. Lat. 30°06', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 36 inches, depth 105 feet. Highest water level 7.29 below lsd, Nov. 7, 1946; lowest 27.38 below lsd, Feb. 26, 1952. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	19.25	Apr. 27	23.35	July 28	25.17	Oct. 23	23.97
Feb. 26	20.85	May 26	21.98	Aug. 24	26.24	Nov. 27	20.48
Mar. 25	22.29	June 25	24.18	Sept. 29	22.32	Dec. 21	17.94

619. United Gas Pipe Line Co. Lat. 30°05', long. 97°47'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 703 feet, cased to 639. Land-surface datum is 735.98 feet above msl. Highest water level 146.91 below lsd, Mar. 30, 1947; lowest 178.00 below lsd, Apr. 24, 1952. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	169.95	Apr. 27	171.56	July 28	166.43	Oct. 23	165.72
Feb. 26	168.03	May 26	167.55	Aug. 24	167.08	Nov. 27	165.99
Mar. 25	169.78	June 25	165.67	Sept. 29	166.59	Dec. 21	162.22

687. Mrs. Elizabeth Jentsch. Lat. 30°13', long. 97°47'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 290 feet. Highest water level 142.25 below lsd, July 28, 1941; lowest 224.55 below lsd, Dec. 20, 1951. Records available: 1939, 1941-46, 1948-53. Apr. 14, 208.21; Aug. 21, 220.00; Dec. 4, 172.30.

890. C. H. Bird. Lat. 30°08', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 5 feet, depth 57 feet. Highest water level 10.17 below lsd, Feb. 17, 1941; lowest 21.18 below lsd, June 25, 1953. Records available: 1937-38, 1941-46, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	20.11	Apr. 27	20.96	July 28	20.70	Oct. 23	20.44
Feb. 26	20.43	May 26	20.54	Aug. 24	20.81	Nov. 27	19.55
Mar. 25	20.56	June 25	21.18	Sept. 28	19.78	Dec. 21	17.17

892. C. H. Bird. Lat. 30°08', long. 97°48'. Drilled farm artesian well in limestone, diameter 5 inches, depth 277 feet. Land-surface datum is 662.16 feet above msl. Highest water level 52.41 below lsd, May 22, 1945; lowest 136.43 below lsd, Sept. 4, 1952. Records available: 1941-46, 1948-52. Measurement discontinued.

Uvalde County

H-2-4. H. I. Holmes. Lat. 29°23', long. 99°42'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 1,153.58 feet above msl. Highest water level 113.01 below lsd, Nov. 30, 1932; lowest 208.63 below lsd, Aug. 12, 1953. Records available: 1929-53. Apr. 8, 199.66; Aug. 12, 208.63; Nov. 24, 207.63.

H-2-5. Mrs. W. E. Fitzgerald. Lat. 29°27', long. 99°40'. Drilled farm water-table well in Edwards limestone, diameter 5 inches, depth 100 feet. Land-surface datum is 1,174.82 feet above msl. Highest water level 36.50 below lsd, July 9, 1932; lowest 97.00 below lsd, Aug. 12, 1953. Records available: 1929-53. Apr. 8, 95.73; Aug. 12, 97.00; Nov. 24, 93.93.

H-4-6. Briscoe, Fenley, & Spangler. Lat. 29°14', long. 99°51'. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 100 feet. Land-surface datum is 950.57 feet above msl. Highest water level 59.05 below lsd, Apr. 10, 1933; lowest 120.42 below lsd, Aug. 12, 1953. Records available: 1929-33, 1935-42, 1944-53. Apr. 8, 110.29; Aug. 12, 120.42; Nov. 23, 105.82.

H-4-34. John Rosenow. Lat. 29°15', long. 99°58'. Drilled stock artesian well in Edwards limestone, diameter 10 inches, depth 593 feet. Highest water level 156.01 below lsd, Nov. 2, 1949; lowest 209.32 below lsd, Aug. 12, 1953. Records available: 1939-53. Apr. 8, 202.03; Aug. 12, 209.32; Nov. 20, 174.02.

H-4-35. John Rosenow. Lat. 29°16', long. 99°59'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 100 feet. Highest water level 55.92 below lsd, Nov. 2, 1949; lowest 102.63 below lsd, Aug. 12, 1953. Records available: 1939-45, 1947-53. Aug. 12, 102.63; Nov. 20, 95.64.

H-5-1. City of Uvalde. Lat. 29°12', long. 99°46'. Drilled public-supply artesian well in Edwards limestone, diameter 12 inches, depth 350 feet. Land-surface datum is 904.85 feet above msl. Highest water level 26.74 below lsd, July 6, 1937; lowest 87.06 below lsd, Aug. 19, 1953. Records available: 1929-32, 1934-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.68	71.21	72.75	74.90	77.40	79.91	82.90	85.97	84.90	76.06	72.74	73.01
2	69.65	71.18	72.85	74.77	77.53	80.25	83.00	85.99	83.83	76.15	72.67	72.89
3	69.64	71.30	73.00	74.52	77.56	80.44	83.07	86.00	82.92	76.05	72.60	72.80
4	69.68	71.42	73.20	74.56	77.33	80.87	83.25	86.08	81.97	75.75	72.47	72.83
5	69.68	71.50	73.22	74.54	77.30	80.79	83.32	86.21	81.07	75.49	72.45	72.77
6	69.73	71.60	73.23	74.45	77.32	80.88	83.42	86.32	80.30	75.19	72.34	72.83
7	69.78	71.70	73.35	74.60	77.42	80.77	83.63	86.37	80.00	74.99	72.27	72.86
8	69.81	71.70	73.42	74.87	77.61	80.65	83.81	86.48	79.20	74.88	72.34	72.84
9	69.89	71.70	73.25	75.15	77.70	80.87	84.00	86.40	78.73	74.80	72.37	72.97
10	69.91	71.78	73.19	75.33	77.78	81.18	84.03	86.39	78.43	74.61	72.48	72.95
11	69.94	71.85	73.10	75.40	77.85	81.39	84.10	86.41	78.10	74.38	72.44	73.03
12	69.97	71.85	73.11	75.57	78.04	81.50	84.17	86.58	77.80	74.36	72.55	72.95
13	70.05	71.87	73.15	75.81	77.98	81.73	84.12	86.66	77.58	74.28	72.70	72.90
14	70.15	71.87	73.20	75.90	77.94	81.80	84.19	86.71	77.43	74.23	72.73	72.88
15	70.21	71.89	73.25	76.01	77.96	81.85	84.35	86.82	77.34	74.20	72.70	72.94
16	70.31	71.93	73.29	76.10	77.96	82.09	84.40	86.86	77.28	74.12	72.80	72.87
17	70.26	72.06	73.28	76.05	78.07	82.32	84.52	86.80	77.07	74.10	72.87	72.91
18	70.23	72.10	73.31	76.10	78.12	82.60	84.51	86.99	76.93	74.05	72.90	72.92
19	70.21	72.15	73.43	76.18	78.32	82.66	84.67	87.06	76.83	74.00	72.90	72.85
20	70.46	72.28	73.52	76.10	78.50	82.86	84.73	86.99	76.69	74.06	72.89	72.75
21	70.54	72.40	73.69	76.27	78.80	82.95	84.86	86.89	76.61	74.05	72.85	72.66
22	70.60	72.48	73.69	76.40	78.94	82.95	84.96	86.93	76.58	74.02	72.82	72.75
23	70.80	72.42	73.80	76.46	79.03	83.19	85.06	86.89	76.55	73.96	72.79	72.92
24	70.77	72.39	73.97	76.54	79.15	83.32	85.18	86.69	76.45	73.75	72.84	72.90
25	70.73	72.36	74.19	76.75	79.05	83.39	85.21	86.49	76.38	73.53	72.96	72.74
26	70.75	72.45	74.34	76.80	79.47	83.52	85.18	86.39	76.12	73.40	73.00	72.73
27	70.88	72.59	74.28	76.84	79.66	83.52	85.40	86.27	76.02	73.36	72.96	72.61
28	71.00	72.65	74.36	76.97	79.81	83.48	85.50	86.18	75.98	73.19	73.00	72.58
29	71.05		74.45	77.05	79.89	83.22	85.64	86.07	76.06	73.05	72.93	72.61
30	71.07		74.48	77.11	80.00	83.08	85.72	86.10	76.06	72.92	73.06	72.63
31	71.20		74.72		79.93		85.90	85.68		72.85		72.65

H-5-22. Jack Dean. Lat. 29°14', long. 99°47'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 190 feet. Land-surface datum is 933.81 feet above msl. Highest water level 52.90 below lsd, Apr. 10, 1933; lowest 115.17 below lsd, Aug. 12, 1953. Records available: 1929-53. Apr. 8, 103.93; Aug. 12, 115.17; Nov. 24, 102.02.

H-5-26. George Kennedy. Lat. 29°18', long. 99°43'. Drilled stock artesian well in Edwards limestone, diameter 7 inches, depth 200 feet. Land-surface datum is 1,021.38 feet above msl. Highest water level 147.37 below lsd, Nov. 30, 1932; lowest 202.45 below lsd, Aug. 6, 1952. Records available: 1929-38, 1940-44, 1946-52. No measurement made in 1953.

H-5-51. O. T. Caldwell. Lat. 29°09', long. 99°49'. Drilled stock artesian well in Edwards limestone, diameter 6 inches, depth 85 feet. Land-surface datum is 907.54 feet above msl. Highest water level 34.70 below lsd, Apr. 11, 1933; lowest 84.57 below lsd, Aug. 12, 1953. Records available: 1929-53. Apr. 8, 73.20; Aug. 12, 84.57; Nov. 24, 72.23.

H-6-8. K. K. Woodley. Lat. 29°18', long. 99°36'. Dug stock water-table well in Austin chalk, diameter 40 inches, depth 89 feet. Land-surface datum is 977.02 feet above msl. Highest water level 68.10 below lsd, Jan. 28, 1936; lowest 78.35 below lsd, Apr. 21, 1930. Records available: 1929-33, 1935-53. Apr. 8, 71.29; Aug. 12, 71.75; Nov. 24, 70.69.

H-6-10. Herbert Stevens. Lat. 29°18', long. 99°30'. Dug farm well in Leona formation of Sellards, diameter 4 feet, depth 77 feet. Highest water level 57.83 below lsd, Oct. 23, 1934; lowest 69.00 below lsd, Dec. 19, 1930. Records available: 1929-44, 1946-53. Apr. 8, 67.50; Aug. 12, 67.92; Nov. 24, 67.74.

H-6-16. Cecil Reagan. Lat. 29°15', long. 99°35'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 1,330 feet. Land-surface datum is 934.34 feet above msl. Highest water level 129.62 below lsd, July 7, 1937; lowest 227.83 below lsd, Aug. 12, 1953. Records available: 1929-34, 1936-38, 1940-44, 1946-53. Apr. 8, 223.50; Aug. 12, 227.83.

H-8-63. Uvalde County Public School. Lat. $29^{\circ}08'$, long. $99^{\circ}42'$. Drilled unused water-table well in Leona formation of Sellards, diameter 6 inches, depth 65 feet. Land-surface datum is 846.14 feet above msl. Highest water level 31.61 below lsd, Jan. 25, 1950; lowest 45.69 below lsd, Dec. 21, 1952. Records available: 1945-52. No measurement made in 1953.

XU-9. Frank Kirchgraber. Lat. $29^{\circ}14'$, long. $100^{\circ}02'$. Drilled farm water-table well in Austin chalk, diameter 6 inches, depth 120 feet. Highest water level 48.00 below lsd, Sept. 25, 1937; lowest 94.74 below lsd, Aug. 12, 1953. Records available: 1937-53. Apr. 8, 77.78; Aug. 12, 94.74; Nov. 20, 61.76.

XU-10. Texas & New Orleans Railroad Co. Cline. Lat. $29^{\circ}14'$, long. $100^{\circ}04'$. Dug domestic and industrial water-table well in Austin chalk, diameter 10 feet, depth 68 feet. Highest water level 29.86 below lsd, Oct. 27, 1938; lowest 61.74 below lsd, Aug. 12, 1953. Records available: 1937-53. Aug. 12, 61.74; Nov. 20, 44.75.

Val Verde County

XV-2. L. A. McNutt. Lat. $29^{\circ}22'$, long. $100^{\circ}51'$. Drilled farm artesian well in Edwards limestone, diameter 8 inches, depth 145 feet. Highest water level 67.35 below lsd, Dec. 20, 1949; lowest 93.87 below lsd, Aug. 7, 1952. Records available: 1937-44, 1946-53. Apr. 7, 80.40; Aug. 11, 88.23; Nov. 19, 77.49.

XV-3. Patricio Confreres. Lat. $29^{\circ}22'$, long. $100^{\circ}52'$. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 60 feet. Highest water level 36.86 below lsd, Dec. 20, 1949; lowest 49.86 below lsd, Aug. 10, 1953. Records available: 1937-53. Apr. 7, 43.2; Aug. 10, 49.86; Nov. 18, 41.35.

Waller County

152. Mr. Meyers. Lat. $30^{\circ}04'$, long. $95^{\circ}59'$. Drilled observation water-table well in sand, diameter 2 inches, depth 20 feet. Highest water level 1.45 below lsd, Jan. 31, 1944; lowest dry, Feb. 6, 1952. Records available: 1931-50, 1952-53. Dec. 17, 4.44.

223. T. B. Tucker. Lat. $29^{\circ}52'$, long. $95^{\circ}53'$. Drilled irrigation artesian well in sand, diameter 16 to 12 inches, depth 767 feet, screens opposite sands below 117. Highest water level 47.53 below lsd, Apr. 28, 1931; lowest 77.29 below lsd, Nov. 19, 1953. Records available: 1931, 1933, 1939-53. Mar. 31, 73.83; Nov. 19, 77.29.

225. L. E. Morrison well 2. Lat. $29^{\circ}50'$, long. $95^{\circ}53'$. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 643 feet, screens opposite sands below 155. Highest water level 57.88 below lsd, Mar. 18, 1942; lowest 93.08 below lsd, Nov. 25, 1952. Records available: 1940-53. Mar. 31, 80.60.

235. John Cope. Lat. $29^{\circ}46'$, long. $95^{\circ}51'$. Drilled irrigation artesian well in sand, diameter 24 inches, depth 175 feet. Highest water level 48.55 below lsd, Mar. 12, 1931; lowest 74.90 below lsd, Nov. 25, 1952. Records available: 1931, 1933, 1939-53. Mar. 31, 73.95; Nov. 27, 74.60.

239. Lyn Hebert. Lat. $29^{\circ}55'$, long. $95^{\circ}56'$. Drilled irrigation artesian well in sand, diameter 30 to 12 inches, depth 828 feet. Highest water level 52.05 below lsd, Apr. 13, 1943; lowest 87.35 below lsd, Nov. 26, 1952. Records available: 1941-53. Mar. 31, 71.26; Nov. 24, 85.14.

240. B. Ray Woods well 3. Lat. $29^{\circ}47'$, long. $95^{\circ}55'$. Drilled irrigation artesian well in sand, diameter 20 to 14 inches, depth 290 feet, casing slotted opposite sands below 80. Highest water level 58.08 below lsd, Apr. 13, 1943; lowest 68.77 below lsd, Nov. 21, 1952. Records available: 1940-46, 1948-53. Mar. 31, 67.83; Nov. 21, 70.09.

242. Robichaux & Thompson. Lat. $29^{\circ}50'$, long. $95^{\circ}57'$. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 555 feet, casing slotted opposite sands below 60. Highest water level 58.76 below lsd, Mar. 18, 1942; lowest 77.54 below lsd, Oct. 6, 1944. Records available: 1941-53. Mar. 31, 68.71.

245. G. P. Nelson well 2. Lat. $29^{\circ}52'$, long. $95^{\circ}57'$. Drilled irrigation artesian well in sand, diameter 20 to 12 inches, depth 482 feet, casing slotted opposite sands below 51. Highest water level 56.40 below lsd, Apr. 13, 1943; lowest 95.55 below lsd, Oct. 6, 1944. Records available: 1941-53. Mar. 31, 64.42; Nov. 24, 74.42.

246. A. E. Thompson well 2. Lat. $29^{\circ}53'$, long. $95^{\circ}54'$. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 926 feet, casing slotted opposite sands below 145. Highest water level 51.37 below lsd, Mar. 18, 1942; lowest 74.81 below lsd, Nov. 25, 1952. Records available: 1940-46, 1948-53. Mar. 31, 68.41; Nov. 19, 72.9.

247. T. B. Tucker well 5. Lat. $29^{\circ}51'$, long. $95^{\circ}53'$. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 641 feet, casing slotted opposite sands below 75. Highest water level 55.57 below lsd, Mar. 15, 1939; lowest 80.5 below lsd, Nov. 25, 1952. Records available: 1939-53. Mar. 31, 76.06; Nov. 19, 79.93.

252. J. A. Kimball. Lat. $29^{\circ}48'$, long. $95^{\circ}50'$. Drilled irrigation artesian well in sand, diameter 24 to 12 inches, depth 246 feet, casing slotted opposite sands below 90. Highest water level 58.93 below lsd, Mar. 17, 1942; lowest 79.33 below lsd, Nov. 20, 1952. Records available: 1940-53. Apr. 2, 76.61; Nov. 19, 78.99.

Wharton County

1. Bob Ragsdale. Lat. $29^{\circ}15'$, long. $96^{\circ}34'$. Drilled irrigation artesian well in Lissie formation, diameter 18 to 12 inches, depth 155 feet, screens below 90. Highest water level 36.99 below lsd, May 27, 1940; lowest 44.36 below lsd, Mar. 16, 1953. Records available: 1940-47, 1949-53. Mar. 16, 44.36.

8. Lester Glaze. Lat. $29^{\circ}13'$, long. $96^{\circ}28'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 9 inches, depth 200 feet. Highest water level 35.46 below lsd, May 6, 1938; lowest 44.35 below lsd, Mar. 16, 1953. Records available: 1935, 1938-53. Mar. 16, 44.35.

31. H. F. Sharp. Lat. $29^{\circ}11'$, long. $96^{\circ}25'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 310 feet. Highest water level 23.89 below lsd, May 6, 1938; lowest 32.2 below lsd, Apr. 2, 1951. Records available: 1934-35, 1938-51. Measurement discontinued.

32. Harfst Bros. Lat. $29^{\circ}13'$, long. $96^{\circ}22'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 282 feet. Highest water level 29.58 below lsd, Dec. 14, 1942; lowest 35.71 below lsd, Mar. 24, 1952. Records available: 1934-35, 1938-53. Mar. 16, 34.90.

33. Harfst Bros. Lat. $29^{\circ}17'$, long. $96^{\circ}22'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 285 feet. Highest water level 36.46 below lsd, May 6, 1938; lowest 42.74 below lsd, Mar. 24, 1952. Records available: 1934-35, 1938-42, 1946, 1948-53. Mar. 16, 39.02.

66. J. J. Pendegrass. Lat. $29^{\circ}38'$, long. $96^{\circ}18'$. Dug and drilled water-table well in sand and gravel, diameter 24 to 2 inches, depth 65 feet. Highest water level 20.16 below lsd, Dec. 20, 1941; lowest 32.44 below lsd, Mar. 20, 1953. Records available: 1940-53. Mar. 20, 32.44.

81. William J. Corman. Lissie. Lat. $29^{\circ}33'$, long. $96^{\circ}13'$. Drilled unused water-table well in Lissie formation, diameter 6 inches, depth 45 feet. Highest water level 19.79 below lsd, Mar. 24, 1952; lowest 25.67 below lsd, Apr. 19, 1940. Records available: 1940-45, 1947-53. Mar. 20, 20.00.

108. City of Wharton well 1. Lat. $29^{\circ}18'$, long. $96^{\circ}06'$. Drilled public-supply artesian well in Lissie formation and Willis sand, diameter 15 to 8 inches, depth 940 feet. Highest water level 19.89 below lsd, Aug. 31, 1936; lowest 33.82 below lsd, Mar. 28, 1952. Records available: 1934-36, 1938-48, 1950-53. Mar. 20, 33.27.

109. City of Wharton well 2. Lat. $29^{\circ}18'$, long. $96^{\circ}06'$. Drilled public-supply artesian well in Lissie formation and Willis sand, diameter 16 to 10 inches, depth 413 feet, screens between 212 and 393. Highest water level 26.23 below lsd, Dec. 18, 1942; lowest 35.93 below lsd, Mar. 20, 1953. Records available: 1934-35, 1937-45, 1947-53. Mar. 20, 35.93.

148. City of El Campo. Lat. $29^{\circ}11'$, long. $96^{\circ}16'$. Drilled public-supply artesian well in Lissie formation, diameter 17 to 6 inches, depth 1,188 feet, screen 856-1,072. Highest water level 28.99 below lsd, Dec. 17, 1942; lowest 47.20 below lsd, Mar. 20, 1953. Records available: 1942-47, 1950-53. Mar. 20, 47.20.

165. H. P. Stockton. Lat. $29^{\circ}06'$, long. $96^{\circ}25'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 280 feet. Highest water level 21.90 below lsd, Feb. 4, 1938; lowest 31.91 below lsd, Mar. 16, 1953. Records available: 1934-35, 1938-53. Mar. 16, 31.91.

173. Stoval & Appling. Lat. $29^{\circ}00'$, long. $96^{\circ}20'$. Drilled irrigation artesian well in Lissie formation, diameter 24 to 12 inches, depth 390 feet. Highest water level 12.36 below lsd, Apr. 12, 1943; lowest 28.93 below lsd, Mar. 26, 1952. Records available: 1934-35, 1938-47, 1949-53. Mar. 19, 28.62.

178. A. Johnson. Lat. 29°05', long. 96°17'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 290 feet, screen 57-290. Highest water level 18.68 below lsd, Mar. 30, 1944; lowest 24.67 below lsd, Mar. 16, 1953. Records available: 1934-35, 1938-47, 1949-52. Mar. 16, 24.67.

181. C. C. Appling. Lat. 29°05', long. 96°15'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 10 inches, depth 522 feet. Highest water level 23.09 below lsd, Apr. 12, 1943; lowest 32.39 below lsd, Mar. 16, 1953. Records available: 1934-35, 1938-53. Mar. 16, 32.39.

186. Otto Mickelson. Lat. 29°05', long. 96°13'. Drilled unused artesian well in Lissie formation, diameter 24 to 10 inches, depth 342 feet. Highest water level 13.73 below lsd, Apr. 12, 1943; lowest 23.17 below lsd, Mar. 16, 1953. Records available: 1935, 1938-53. Mar. 16, 23.17.

209. J. C. Allen. Lat. 29°08', long. 96°10'. Drilled unused artesian well in Lissie formation, diameter 26 to 10 inches, depth 439 feet. Highest water level 12.30 below lsd, Mar. 29, 1944; lowest 19.36 below lsd, Aug. 30, 1935. Records available: 1934-35, 1938-47, 1949-53. Mar. 16, 17.87.

241. Texas Gulf Sulphur Co. Lat. 29°15', long. 95°54'. Drilled unused artesian well in Lissie formation and Willis sand, diameter 20 inches, depth 487 feet. Highest water level 17.3 below lsd, Feb. 15, 1934; lowest 40.72 below lsd, Dec. 18, 1939. Records available: 1934-35, 1937-53. Mar. 16, 30.68.

Williamson County

344. W. O. Garrison. Lat. 30°33', long. 97°41'. Drilled farm water-table well in limestone, diameter 4 inches, depth 117 feet. Land-surface datum is 791.41 feet above msl. Highest water level 83.15 below lsd, July 15, 1941; lowest 123.90 below lsd, Apr. 9, 1951. Records available: 1940-46, 1948-53. Apr. 15, 120.33; Aug. 7, 120.43; Dec. 15, 119.83.

346. F. C. Martiness. Lat. 30°34', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 4 inches, depth 350 feet. Land-surface datum is 824.11 feet above msl. Highest water level 113.72 below lsd, May 25, 1945; lowest 140.84 below lsd, Aug. 12, 1952. Records available: 1941-46, 1948-53. Apr. 15, 137.76; Aug. 7, 139.64.

353. Mrs. H. B. Hurt. Lat. 30°36', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 6 inches, depth 175 feet. Land-surface datum is 798.20 feet above msl. Highest water level 93.26 below lsd, July 25, 1941; lowest 131.98 below lsd, Dec. 18, 1952. Records available: 1941-46, 1948-53. Aug. 7, 130.63; Dec. 15, 129.21.

418. Henry Hartman. Lat. 35°36', long. 97°40'. Drilled farm water-table well in Edwards limestone, diameter 6 inches, depth 130 feet. Land-surface datum is 761.8 feet above msl. Highest water level 77.21 below lsd, May 25, 1945; lowest 103.80 below lsd, Apr. 8, 1952. Records available: 1940-43, 1945, 1948-53. Apr. 15, 98.74.

889. T. B. Bailey, Jr. Lat. 30°32', long. 97°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 400 feet. Land-surface datum is 785.62 feet above msl. Highest water level 67.11 below lsd, July 25, 1941; lowest 100.97 below lsd, Dec. 18, 1952. Records available: 1940-46, 1948-53. Apr. 15, 100.90; Aug. 7, 99.43; Dec. 15, 98.35.

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H7-13. Roy Cornett. Lat. 29°00', long. 99°51'. Drilled stock water-table well in Carrizo sand, diameter 10 inches, depth 172 feet, cased to 172, perforations 132-172. Land-surface datum is 787.54 feet above msl. Highest water level 110.55 below lsd, Feb. 8, 1928; lowest 164.3 below lsd, Sept. 11, 1953. Records available: 1928-33, 1948-53. Sept. 11, 164.3.

H8-68. A. D. Walker. Lat. 29°00', long. 99°48'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 84 feet. Highest water level 57.91 below lsd, Oct. 29, 1949; lowest 72.88 below lsd, Aug. 26, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	68.87	Apr. 23	69.89	July 23	71.02	Oct. 26	68.74
Feb. 24	69.23	May 25	69.73	Aug. 26	72.88	Nov. 24	69.23
Mar. 24	69.50	June 24	70.58	Sept. 11	71.22	Dec. 20	67.21

M6-10. W. M. Van Cleve. Lat. 28°45', long. 100°04'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 150 feet. Land-surface datum is 651.65 feet above msl. Highest water level 65.60 below lsd, Oct. 2, 1931; lowest 115.48 below lsd, Sept. 10, 1953. Records available: 1930-34, 1936-46, 1948-53. Sept. 10, 115.48.

M6-16. J. S. Steward. Lat. 28°44', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 5 inches, depth 300 feet. Land-surface datum is 626.55 feet above msl. Highest water level 38.40 below lsd, Jan. 12, 1938; lowest 87.72 below lsd, Aug. 20, 1952. Records available: 1930-40, 1942-53. Sept. 10, 54. 41.

M6-16a. J. S. Steward. Lat. 28°44', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 300 feet. Highest water level 61.40 below lsd, July 23, 1947; lowest 101.10 below lsd, Sept. 10, 1953. Records available: 1947-53. Sept. 10, 101.10.

M6-19. L. D. Van Cleve. Lat. 28°40', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 6 inches, depth 180 feet. Land-surface datum is 632.05 feet above msl. Highest water level 48.50 below lsd, Oct. 2, 1931; lowest 89.15 below lsd, Sept. 10, 1953. Records available: 1930-53. Sept. 10, 89.15.

N1-24. J. C. Williams. Lat. 28°57', long. 99°52'. Drilled farm artesian well in Carrizo sand, diameter 12 inches, depth 350 feet. Land-surface datum is 753.70 feet above msl. Highest water level 114.70 below lsd, July 6, 1931; lowest 238.06 below lsd, Aug. 22, 1952. Records available: 1929-33, 1935-53. Sept. 11, 226.85.

N1-39. R. W. Norton. Lat. 28°56', long. 99°58'. Drilled stock artesian well in Carrizo sand, diameter 6 inches, depth 300 feet. Land-surface datum is 731.50 feet above msl. Highest water level 74.40 below lsd, Jan. 25, 1930; lowest 101.91 below lsd, Aug. 17, 1950. Records available: 1930-33, 1946-53. Sept. 11, 90.94.

N1-40. I. T. Pryor. Lat. 28°55', long. 99°52'. Drilled stock artesian well in Carrizo sand, diameter 10 inches, depth 300 feet. Land-surface datum is 724.95 feet above msl. Highest water level 103.25 below lsd, July 6, 1931; lowest 255.20 below lsd, Aug. 21, 1952. Records available: 1930-33, 1935, 1937-44, 1946-53. Sept. 11, 250.16.

N1-83. I. T. Pryor, Jr. Lat. 28°56', long. 99°51'. Drilled stock water-table well in Carrizo sand, diameter 11 inches, depth 350 feet. Highest water level 90.66 below lsd, Oct. 24, 1951; lowest 104.76 below lsd, June 1, 1951. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	92.62	Apr. 23	92.39	July 23	94.72	Oct. 26	93.98
Feb. 24	92.07	May 25	92.57	Aug. 26	94.04	Nov. 25	93.86
Mar. 24	92.66	June 24	93.30	Sept. 11	94.31	Dec. 20	94.19

N1-90. Mathews Ranch. Lat. 28°56', long. 99°55'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 483 feet. Highest water level 159.29 below lsd, July 12, 1946; lowest 272.89 below lsd, June 24, 1953. Records available: 1946-53.

Jan. 23	237.00	Apr. 23	264.35	July 23	263.82	Oct. 26	240.78
Feb. 24	236.53	May 25	268.59	Aug. 26	267.08	Nov. 24	238.83
Mar. 24	246.69	June 24	272.89	Sept. 11	248.83	Dec. 20	239.05

N1-92. Mathews Ranch. Lat. 28°56', long. 99°57'. Drilled stock artesian well in Carrizo sand, diameter 6 inches, depth 335 feet. Highest water level 83.06 below lsd, July 25, 1947; lowest 135.88 below lsd, Sept. 11, 1953. Records available: 1947-53. Sept. 11, 135.88.

N5-30. Richie Bros. Lat. 28°42', long. 99°48'. Drilled irrigation artesian well in Carrizo sand, diameter 12 inches, depth 940 feet. Highest water level 102.07 below lsd, July 24, 1947; lowest 221.62 below lsd, Sept. 17, 1951. Records available: 1947-49, 1951. Measurement discontinued.

N5-39. Richie Bros. Lat. 28°42', long. 99°48'. Drilled irrigation artesian well in Carrizo sand, diameter 12 to 8 inches, depth 940 feet, cased to 940, perforations 698-940. Land-surface datum is 583.40 above msl. Highest water level 45.65 below lsd, Sept. 15, 1933; lowest 243.28 below lsd, Sept. 17, 1951. Records available: 1929-49, 1951. Measurement discontinued.

N5-55. Cribbs & Davidson. Lat. 28°40', long. 99°47'. Drilled irrigation artesian well in Carrizo sand, diameter 10 to 6 inches, depth 1,070 feet, cased to 1,070, perforations 825-1,070. Land-surface datum is 577.15 feet above msl. Highest water level 35.50 below lsd, July 24, 1931; lowest 231.4 below lsd, Sept. 17, 1951. Records available: 1929-49, 1951. Measurement discontinued.

N5-60. Julius De Winnie. Lat. 28°41', long. 99°45'. Drilled irrigation artesian well in Carrizo sand, diameter 13 inches, depth 1,000 feet. Land-surface datum is 582.85 feet above msl. Highest water level 38.80 below lsd, July 24, 1931; lowest 300.92 below lsd, Sept. 10, 1953. Records available: 1929-32, 1936-41, 1944-45, 1947-53. Sept. 10, 300.92.

