

# Water Levels and Artesian Pressures in Observation Wells in the United States in 1952

## 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***

**GEOLOGICAL SURVEY**

**W. E. Wrather, *Director***

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## **PREFACE**

This report was prepared by the Geological Survey in cooperation with the States of Arkansas, Louisiana, Oklahoma, and Texas, and with other agencies, by personnel of the Water Resources Division under the direction of:

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## CONTENTS

	Page
Introduction, by A. N. Sayre . . . . .	1
Arkansas, by J. H. Criner and R. C. Baker . . . . .	3
Scope of water-level program . . . . .	3
Precipitation . . . . .	3
Pumpage . . . . .	3
Interpretation of water-level fluctuations . . . . .	3
Acknowledgments . . . . .	7
Well-numbering system . . . . .	7
Well descriptions and water-level measurements . . . . .	7
Louisiana, by A. N. Turcan, Jr. . . . .	13
Scope of water-level program . . . . .	13
Precipitation . . . . .	13
Interpretation of water-level fluctuations . . . . .	13
Acknowledgments . . . . .	18
Well-numbering system . . . . .	18
Well descriptions and water-level measurements . . . . .	18
Oklahoma, by Carl E. Steele . . . . .	69
Scope of water-level program . . . . .	69
Precipitation . . . . .	69
Pumpage . . . . .	69
Interpretation of water-level fluctuations . . . . .	75
Well-numbering system . . . . .	80
Well descriptions and water-level measurements . . . . .	80
Texas, by C. R. Follett, G. H. Shafer, and B. W. Swartz . . . . .	119
Scope of water-level program . . . . .	119
Precipitation . . . . .	119
Interpretation of water-level fluctuations . . . . .	119
Acknowledgments . . . . .	144
Well-numbering system . . . . .	144
Well descriptions and water-level measurements . . . . .	144

## ILLUSTRATIONS

	Page
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 1952 . . . . .	2
2. Change in water levels from April 1951 to April 1952 in the Grand Prairie region, Arkansas . . . . .	4
3. Location of observation wells and changes in water levels in northeastern Arkansas, 1952 . . . . .	5
4. Location of observation wells and changes in water levels in southeastern Arkansas, 1952 . . . . .	6
5. Water level in well Ja-13 at Hodge in Jackson Parish, La., 1945-52 . . . . .	14
6. Pumpage from the "500-foot" sand in the Lake Charles, La., industrial district and water level in well Cu-445, 1946-52 . . . . .	15
7. Pumpage from the "700-foot" sand in the Lake Charles, La., industrial district and water level in well Cu-446, 1946-52 . . . . .	16
8. Water levels in wells EB-128 and EB-22, and pumpage at Baton Rouge, La., 1941-52 . . . . .	17
9. Location of observation wells in the Oklahoma Panhandle, 1952 . . . . .	70
10. Location of observation wells in northwestern Oklahoma, 1952 . . . . .	71
11. Location of observation wells in southwestern Oklahoma, 1952 . . . . .	72
12. Location of observation wells in northeastern Oklahoma, 1952 . . . . .	73
13. Location of observation wells in southeastern Oklahoma, 1952 . . . . .	74

	Page
Figure 14. Water levels in selected wells in the Oklahoma Panhandle, 1946-52 . . . . .	77
15. Average water level in 8 wells in the Stillwater Creek basin and cumulative departure from normal precipitation, Stillwater, Okla., 1947-52 . . . . .	78
16. Water level in well 1, Kay County, Okla., 1948-52 . . . . .	78
17. Typical fluctuations of water level shown by recording gage in well 3, Major County, Okla., March 14-21, 1952 . . . . .	79
18. Water levels from 4 recording gages in Oklahoma showing vertical fluctuations probably caused by earthquake in Tulare Valley, Calif., July 21, 1952 . . . . .	79
19. Location of observation wells in Deaf Smith, Randall, Parmer, Castro, Swisher, and Briscoe Counties, Tex., 1952 . . . . .	120
20. Location of observation wells in Bailey and Lamb Counties, Tex., 1952 . . . . .	121
21. Location of observation wells in Hale and Floyd Counties, Tex., 1952 . . . . .	122
22. Location of observation wells in Lubbock and Crosby Counties, Tex., 1952 . . . . .	123
23. Location of observation wells in Terry, Lynn, Gaines, and Dawson Counties, Tex., 1952 . . . . .	124
24. Location of observation wells in El Paso, Cochran, Hockley, Nacogdoches, and Angelina Counties, Tex., 1952 . . . . .	125
25. Location of observation wells in Val Verde, Kinney, and Uvalde Counties, Tex., 1952 . . . . .	126
26. Location of observation wells in Medina, Bexar, and Atascosa Counties, Tex., 1952 . . . . .	127
27. Location of observation wells in Hays and Comal Counties, Tex., 1952 . . . . .	128
28. Location of observation wells in Williamson and Travis Counties, Tex., 1952 . . . . .	129
29. Location of observation wells in Zavala and Dimmit Counties, Tex., 1952 . . . . .	130
30. Location of observation wells in Waller, Montgomery, Liberty, and Chambers Counties, Tex., 1952 . . . . .	131
31. Location of observation wells in Harris County, Tex., 1952 . . . . .	132
32. Location of observation wells in Fort Bend, Brazoria, and Galveston Counties, Tex., 1952 . . . . .	133
33. Location of observation wells in Wharton, Jackson, and Matagorda Counties, Tex., 1952 . . . . .	134
34. Location of observation wells in San Patricio, Aransas, Duval, Jim Wells, Kleberg, and Brooks Counties, Tex., 1952 . . . . .	135
35. Water levels in wells, acres irrigated, number of irrigation wells, and precipitation in the Southern High Plains of Texas, 1938-52 . . . . .	136
36. Approximate decline of the water table in the Southern High Plains of Texas, March 1938 to February 1952 . . . . .	137
37. Approximate decline of the water table in the Southern High Plains of Texas, February 1951 to February 1952 . . . . .	138
38. Average daily pumpage in the Houston, Tex., district, 1930-52 . . . . .	139
39. Water levels in wells 619 and 1170 in the Houston, Tex., district, 1930-52 . . . . .	139
40. Withdrawal of ground water and decline of artesian head in Angelina and Nacogdoches Counties, Tex., 1935-52 . . . . .	140
41. Water level in well 436, Bexar County, accumulated departure from normal precipitation, and precipitation at Boerne, Kendall County, Tex., 1933-52 . . . . .	141

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

IN 1952

## Part 4. SOUTH-CENTRAL

### 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 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 1952.

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

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 by 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 by 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 depending upon 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.

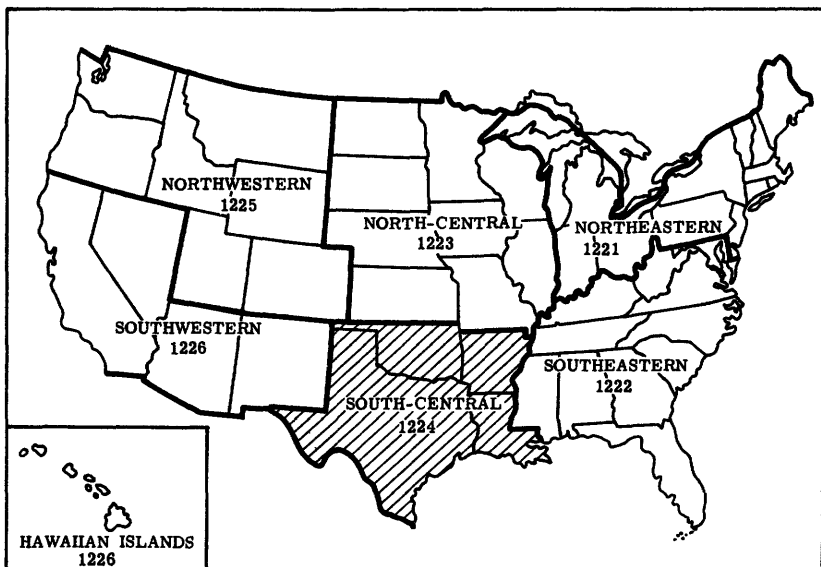


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1952. The shaded area indicates the States included in this volume. <sup>16454</sup>

Penn Livingston had general charge of the nation-wide observation-well program; Verda M. Dougherty edited the reports; and Rodney Hart and Marie H. Adler edited the illustrations. This volume was typed by Bettie H. Morton.

## ARKANSAS

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By J. H. Criner and R. C. Baker

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### Scope of Water-Level Program

The observation-well program in Arkansas was continued in 1952 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 22 wells and the daily record of three recording gages are included in this report. Annual measurements for two 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.

### Precipitation

The total average precipitation for Arkansas for 1952 was 43.12 inches. The average precipitation for Arkansas for 63 years is 48.82 inches. November was the wettest month with 7.01 inches and June was the driest month with 0.49 inch precipitation. Below-normal precipitation occurred early in the year, leading to a severe drought that persisted until November.

### Pumpage

In Arkansas 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 part of the State. There has been an increase in the industrial use of ground water in the State, particularly in the central and southern part.

### 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.

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.



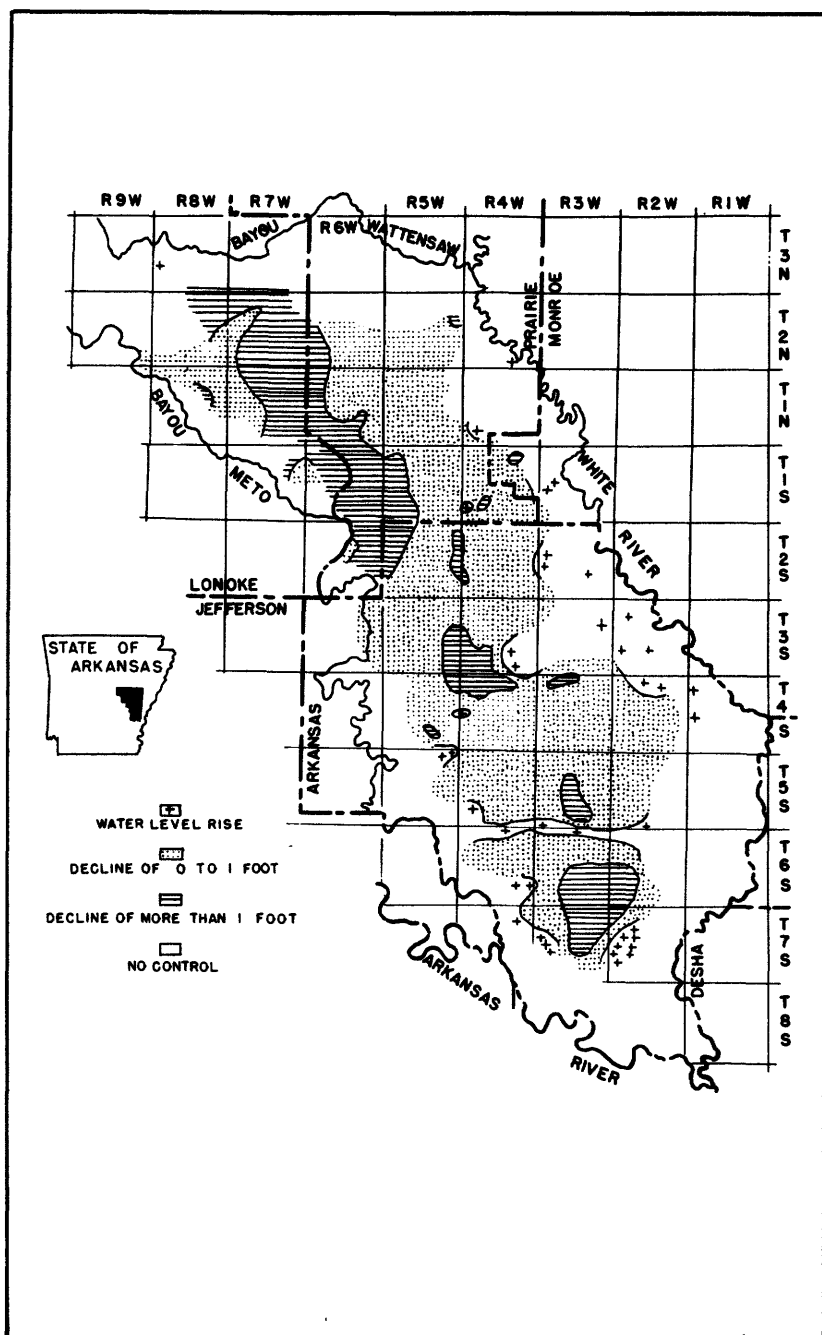
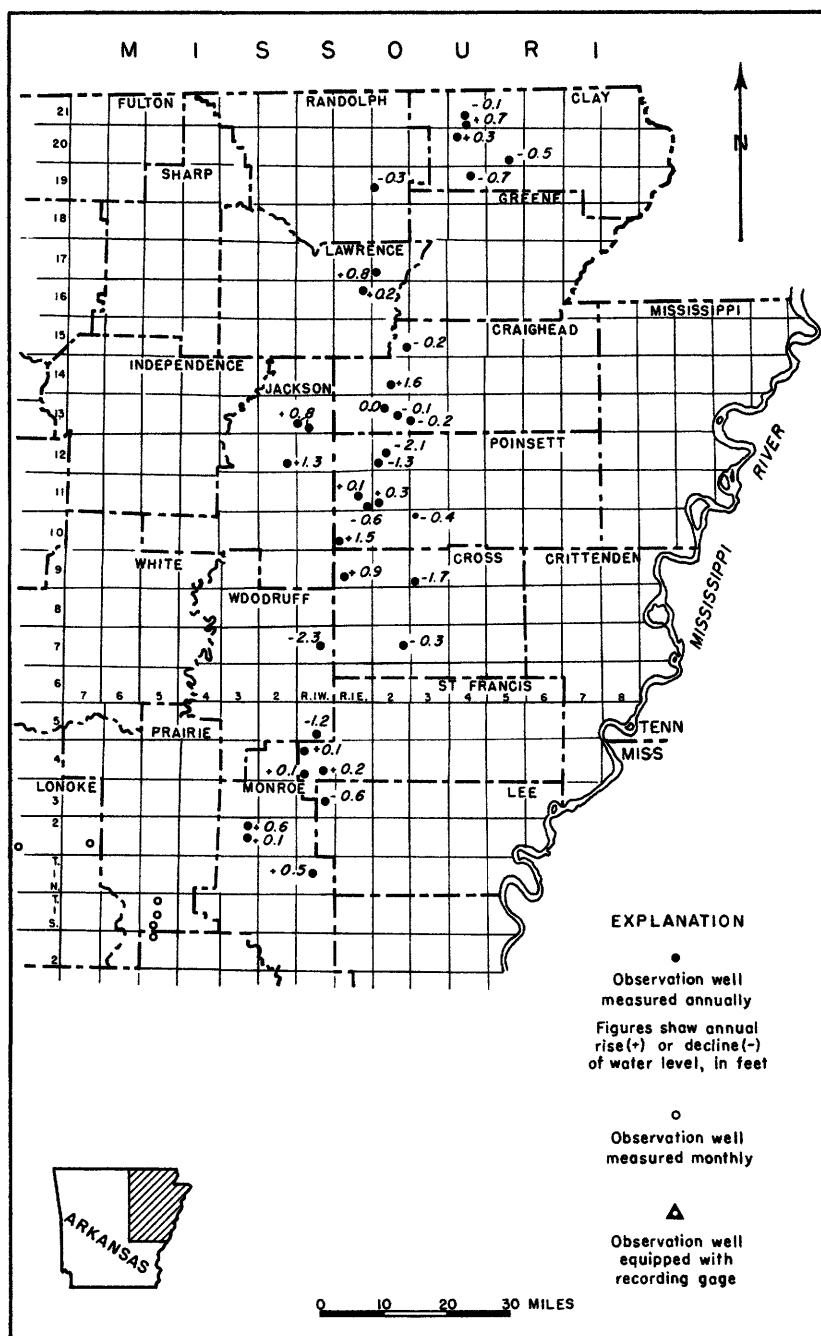


Figure 2--Change in water levels from April 1951 to April 1952 in the Grand Prairie region, Arkansas.



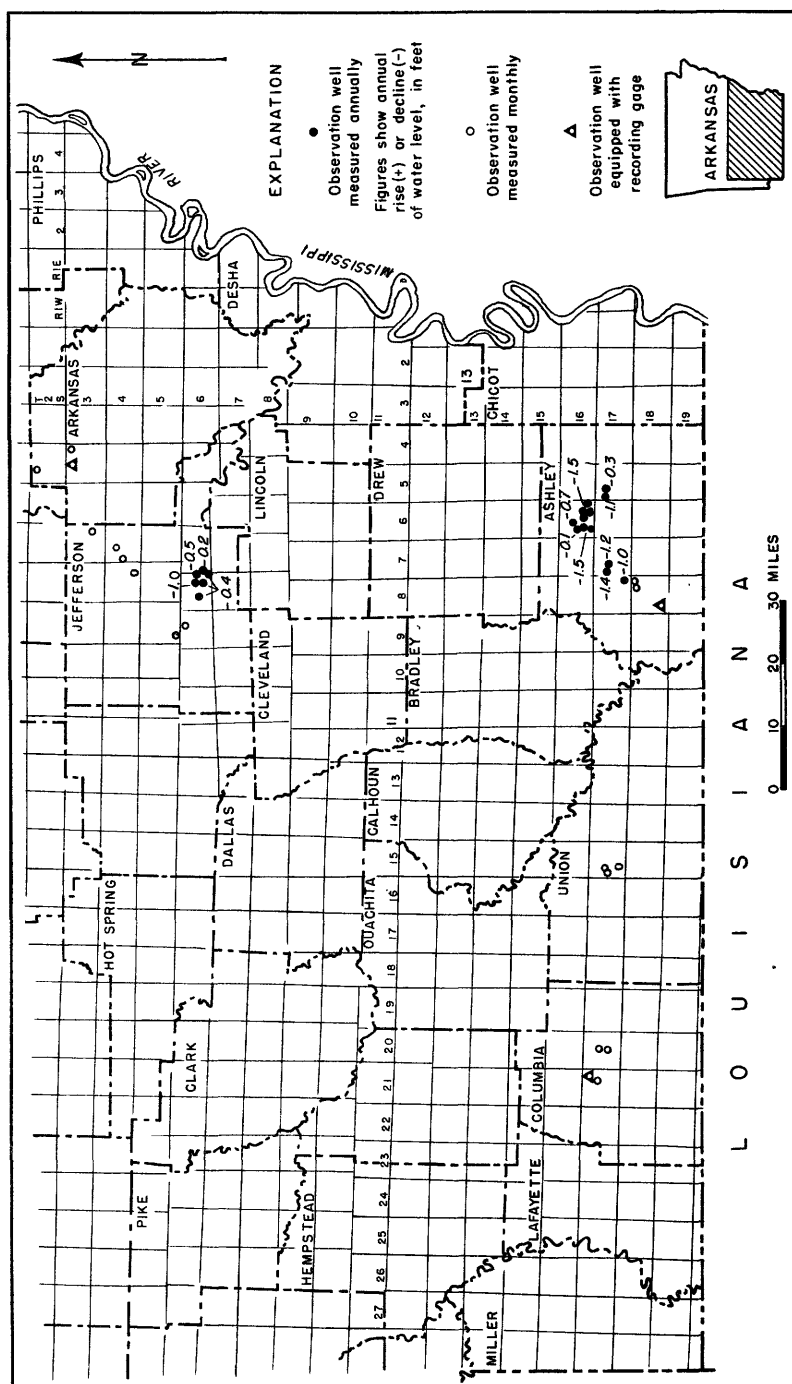


Figure 4. --Location of observation wells and changes in water levels in southeastern Arkansas, 1952.

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 1951 to April 1952, about 275 wells tapping deposits of Quaternary age, are shown by patterns. Fluctuations in water levels in this region are caused in part by changes in 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 changes in water levels from April 1951 to April 1952 in 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. The location of each well is shown and a figure gives the decline in water level for the well. These measurements have not been corrected for changes in barometric pressure. General conditions suggest that locally there is recharge from precipitation or from surface water. 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 well 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 1952.

#### 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 quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), the third the quarter-quarter-quarter section (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 Prislovsky. 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, 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	104.21	Mar. 27	105.15	Sept. 29	107.37	Nov. 26	106.98
Feb. 27	103.63	Apr. 29	103.24	Oct. 28	106.60	Dec. 29	107.24

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: 1951-52.

Jan. 30	62.15	Apr. 29	59.97	Sept. 29	81.99	Nov. 26	70.90
Feb. 27	60.59	Aug. 28	93.07	Oct. 28	74.66	Dec. 29	67.97
Mar. 27	60.57						

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 103.30 below lsd, Sept. 4, 1952. Records available: 1928-52.

##### Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	98.80	98.70	.....	98.50	98.10	.....	.....	102.75	102.80	100.85	100.35	100.40
2	98.95	98.45	.....	98.65	98.75	.....	.....	.....	103.15	101.05	100.40	100.15
3	99.10	98.00	.....	98.50	99.25	.....	.....	.....	103.25	101.15	100.70	100.15
4	98.80	98.40	.....	98.55	99.50	.....	.....	.....	103.30	100.95	100.70	100.10
5	98.75	98.45	.....	98.70	99.75	.....	.....	.....	103.25	100.80	100.35	100.25

## 3S5W-3bbb1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	98.95	98.70	.....	98.80	99.75	.....	.....	.....	103.25	101.05	100.45	100.15
7	98.95	98.75	.....	98.70	99.55	.....	.....	.....	103.00	101.10	100.60	100.00
8	98.55	98.60	.....	98.55	99.60	.....	.....	.....	102.75	100.95	100.40	99.90
9	98.80	98.70	.....	98.55	99.70	.....	.....	.....	102.45	100.75	100.20	99.85
10	99.20	98.60	.....	98.75	99.70	.....	101.95	.....	102.45	100.85	100.40	100.10
11	99.20	98.60	.....	98.70	99.75	.....	102.15	.....	102.10	100.90	100.40	100.15
12	98.90	98.40	.....	98.20	99.75	.....	102.25	.....	101.85	100.75	.....	100.25
13	98.70	98.20	.....	98.35	99.55	.....	102.30	.....	101.75	100.65	.....	100.25
14	98.55	98.45	.....	98.50	99.35	.....	102.25	.....	.....	100.60	.....	100.25
15	98.55	98.50	.....	98.65	99.75	.....	102.30	.....	.....	100.80	.....	100.25
16	98.60	98.50	.....	98.75	99.75	.....	102.35	.....	101.60	100.80	.....	100.25
17	98.50	98.70	.....	98.75	99.30	.....	102.40	.....	.....	100.75	.....	100.10
18	98.75	98.65	.....	98.65	99.30	.....	102.55	.....	.....	100.90	.....	100.05
19	98.50	98.45	.....	98.50	99.75	.....	102.60	.....	.....	100.75	.....	100.00
20	98.65	98.70	.....	98.45	99.70	.....	102.50	.....	.....	100.90	.....	.....
21	98.60	98.75	.....	98.40	99.40	.....	102.60	.....	.....	100.95	.....	.....
22	98.60	98.65	.....	98.40	99.25	.....	102.65	.....	.....	100.85	.....	.....
23	99.00	98.55	.....	98.30	99.20	.....	102.70	.....	.....	100.75	.....	.....
24	99.00	98.50	.....	98.35	99.00	.....	102.75	.....	.....	100.60	.....	.....
25	98.65	98.65	.....	98.40	99.00	.....	102.70	.....	.....	100.50	.....	.....
26	98.30	98.65	.....	98.35	99.30	.....	102.80	.....	.....	100.50	100.50	.....
27	98.45	.....	98.75	98.35	.....	.....	102.80	.....	.....	100.40	100.65	.....
28	98.60	98.30	98.75	98.35	99.80	.....	102.60	102.70	.....	100.70	100.70	.....
29	98.80	98.10	98.75	98.25	.....	.....	102.50	102.80	.....	100.85	100.50	.....
30	98.85	.....	98.70	98.20	.....	.....	102.45	102.75	101.00	100.65	100.55	99.75
31	98.85	.....	98.50	.....	.....	.....	102.65	102.80	.....	100.45	.....	99.90

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 47.80 below lsd, Apr. 14, 1952. Records available: 1938-52. Apr. 14, 47.80.

Ashley County

18S8W-1dabl. Daugherty & Sons. Drilled irrigation artesian well in deposits of Quaternary age, diameter 18 to 12 inches. Highest water level 71.21 below lsd, Apr. 26, 1950; lowest 78.12 below lsd, Sept. 29, 1952. Records available: 1949-52. Jan. 30, 73.23; Feb. 28, 72.30; Mar. 27, 72.68; Apr. 29, 73.31; Sept. 29, 78.12; Oct. 29, 74.08; Nov. 27, 73.44.

18S8W-1dba1. Daugherty & Sons. 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, 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	74.66	Mar. 27	74.10	Sept. 29	79.50	Nov. 27	76.82
Feb. 28	73.84	Apr. 29	73.76	Oct. 29	77.36	Dec. 30	75.52

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 86.0 below lsd, Dec. 23, 1952. Records available: 1949-52.

## Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	84.4	84.7	85.0	85.1	85.3	85.6	85.6	85.5	85.0	.....	85.6	85.3
2	84.6	84.3	84.8	85.3	85.4	85.6	85.6	85.5	85.2	.....	85.6	85.5
3	84.5	84.2	84.6	85.0	85.5	85.6	85.5	85.5	85.3	.....	85.7	85.5
4	84.4	84.2	84.9	84.9	85.6	85.5	84.8	85.5	85.4	85.5	85.5	85.5
5	84.5	84.8	85.4	85.5	85.5	85.5	84.7	85.5	85.4	85.5	85.5	85.7
6	84.6	84.8	85.5	85.6	85.5	85.5	85.0	85.5	85.4	85.7	85.6	85.7
7	84.5	85.0	85.5	85.5	85.5	85.6	85.1	85.5	85.4	85.6	85.6	85.7
8	84.3	84.5	85.2	85.4	85.4	85.5	85.2	85.5	85.4	85.6	85.5	85.7
9	84.4	84.2	84.7	85.4	85.2	85.5	85.3	85.6	85.5	85.6	85.5	85.7
10	85.0	83.9	84.3	85.5	85.2	85.5	85.3	85.6	85.5	85.6	85.6	85.8
11	84.7	83.8	84.7	85.2	85.7	85.5	85.3	85.5	85.5	85.6	85.6	85.7
12	84.6	83.5	84.8	84.9	85.7	85.5	85.4	85.6	85.4	85.6	85.6	85.8
13	84.5	83.4	84.9	85.1	85.7	85.5	85.3	85.6	85.5	85.6	85.6	85.8
14	84.5	83.6	85.0	85.5	85.4	85.6	85.3	85.5	85.5	85.6	85.6	85.8
15	84.6	83.6	85.1	85.6	85.5	85.5	85.4	85.5	85.5	85.6	85.7	85.8

18S8W-29bcd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	84.7	83.9	85.3	85.7	85.5	85.5	85.4	85.6	85.5	85.6	85.7	85.8
17	84.6	84.5	84.9	85.7	85.5	85.4	85.5	85.5	85.5	85.6	85.6	85.7
18	84.7	84.7	84.7	85.6	85.5	85.5	85.5	85.4	85.5	85.6	85.6	85.8
19	84.5	84.6	84.9	85.5	85.6	85.5	85.5	85.5	85.6	85.6	85.6	85.6
20	84.6	84.6	84.9	85.4	85.6	85.5	85.5	85.6	85.6	85.6	85.7	85.9
21	84.4	85.1	84.4	85.4	85.6	85.5	85.5	85.6	85.6	85.6	85.7	85.7
22	84.4	85.0	84.5	85.5	85.6	85.5	85.5	85.6	85.6	85.6	85.7	85.7
23	85.0	85.0	85.2	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.7	85.9
24	84.9	85.0	85.1	85.4	85.5	85.5	85.5	85.6	85.5	85.5	85.6	85.5
25	84.6	85.1	85.1	85.5	85.6	85.5	85.5	85.6	85.4	85.6	85.5	84.8
26	84.6	85.2	85.2	85.5	85.6	85.5	85.5	85.6	85.3	85.6	85.9	84.7
27	84.6	85.0	85.4	85.4	85.6	85.6	85.5	85.6	....	85.5	85.1	85.0
28	84.7	84.7	84.9	85.5	85.6	85.6	85.5	85.6	....	85.6	84.9	85.2
29	84.9	84.6	85.1	85.4	85.6	85.6	85.5	85.6	....	85.6	85.2	85.2
30	85.1	....	85.2	85.4	85.5	85.6	85.4	85.6	....	85.5	85.4	85.1
31	85.0	....	85.0	....	85.6	....	85.5	85.6	....	85.5	....	85.2

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	300.73	Apr. 29	300.86	July 31	303.74	Oct. 29	307.84
Feb. 29	299.91	June 6	300.60	Aug. 29	301.83	Nov. 27	294.18
Mar. 28	301.93	July 1	301.75	Oct. 1	306.06	Dec. 30	301.18

17S20W-22cdc1. Carter Oil Co. Drilled industrial artesian well in Sparta sand, diameter 10 to 6 inches, depth 470 feet. Land-surface datum is 294 feet above msl. Highest water level 217.80 below lsd, Sept. 27, 1951; lowest 237.65 below lsd, Oct. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	223.69	Apr. 29	221.32	July 31	225.83	Oct. 29	237.65
Feb. 29	224.63	June 6	223.13	Aug. 29	225.66	Nov. 27	220.39
Mar. 28	223.88	July 1	223.06	Oct. 1	228.93	....	....

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: 1950-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	239.3	241.0	241.0	239.8	238.6	239.4	246.6	248.4	250.0	252.0	247.4	241.8
2	239.6	240.6	240.4	240.4	239.0	239.5	245.8	248.4	250.0	250.5	247.4	242.4
3	240.3	240.1	240.1	240.3	238.6	240.5	245.7	248.5	249.6	252.6	246.7	242.8
4	240.8	239.7	241.0	240.4	238.2	240.0	244.9	247.7	250.3	250.8	247.3	242.7
5	241.0	241.1	241.0	240.5	238.2	240.2	244.3	247.7	250.6	251.3	247.4	243.2
6	241.2	240.8	241.0	240.1	239.0	....	244.6	246.3	249.4	250.5	247.3	242.7
7	241.1	241.0	241.4	240.0	239.5	....	244.7	245.6	253.5	250.9	246.9	241.9
8	241.7	240.6	240.8	239.8	240.0	....	244.7	244.8	251.6	250.2	246.1	241.9
9	241.4	241.0	240.2	240.3	239.8	243.5	245.0	244.4	251.8	249.5	245.9	242.7
10	242.0	240.7	239.6	240.3	238.9	243.3	246.5	244.2	251.3	249.5	245.3	243.1
11	242.0	240.6	240.9	239.1	237.8	243.1	247.6	243.7	251.6	249.0	246.3	242.8
12	241.6	240.6	240.9	238.2	237.8	243.3	....	245.1	252.5	249.2	246.1	242.7
13	241.4	240.7	241.4	238.2	238.4	243.2	246.0	244.9	251.3	250.0	245.8	243.4
14	241.3	241.1	241.2	237.6	238.9	243.7	248.0	245.6	250.4	249.4	245.5	242.2
15	241.7	241.5	241.2	239.3	239.6	243.2	248.0	245.8	250.6	248.9	245.1	242.4
16	241.9	240.9	240.8	239.4	239.8	243.4	246.9	246.4	254.8	248.4	244.9	243.4
17	241.5	240.6	240.8	239.7	239.6	243.1	245.4	245.4	253.6	248.7	244.5	244.1
18	241.8	240.3	240.5	241.1	238.6	243.8	244.5	246.1	253.8	248.4	245.2	244.0
19	241.5	241.1	240.4	238.7	238.7	245.9	243.8	247.0	252.2	248.4	245.0	244.6
20	241.6	240.8	240.7	238.7	238.7	246.4	243.1	246.1	250.9	248.2	244.8	243.6

## 17S21W-1bca2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	241.2	241.1	241.3	239.0	239.9	247.3	242.9	246.4	250.2	248.5	244.6	243.0
22	241.2	241.0	240.6	239.3	240.2	247.3	243.2	246.5	249.0	248.0	243.9	242.6
23	240.8	240.8	240.2	239.3	239.6	246.3	243.2	246.2	249.5	248.6	243.5	242.4
24	240.6	240.4	240.1	239.2	239.6	246.6	243.6	245.2	249.8	248.8	243.7	242.2
25	240.0	240.2	240.8	239.3	238.7	248.1	245.0	245.2	250.0	247.6	243.5	242.0
26	240.0	241.2	241.3	239.2	238.3	248.1	244.4	246.6	250.4	246.7	244.0	242.0
27	239.6	241.0	240.4	239.0	239.5	250.0	243.8	249.2	250.0	247.1	243.1	241.8
28	239.5	241.2	240.3	238.7	239.4	249.8	243.4	249.4	250.6	248.6	242.1	241.7
29	239.8	241.1	240.2	239.3	239.7	249.4	244.8	249.4	250.6	248.6	241.6	242.1
30	240.2		239.9	238.3	238.9	247.7	245.2	251.0	251.4	249.3	241.2	242.2
31	240.5		239.7		239.1		250.0	250.0		247.9		242.0

17S21W-11dcb1. Town of Magnolia. Drilled public-supply artesian well in Sparta sand, diameter 12 inches, depth 440 feet. Land-surface datum is 288 feet above msl. Highest water level 206.54 below lsd, Mar. 1950; lowest 253.55 below lsd, Sept. 27, 1951. Records available: 1949-51. Measurement discontinued.

## 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 24.02 below lsd, Oct. 28, 1952. Records available: 1929-35, 1937-44, 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	21.39	Apr. 29	19.65	July 30	23.09	Oct. 28	24.02
Feb. 27	20.66	May 28	19.75	Aug. 28	23.94	Nov. 26	23.98
Mar. 27	20.15	June 27	21.15	Sept. 29	23.86	Dec. 29	23.76

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: 1949-52.

Jan. 30	5.55	Mar. 27	2.71	Sept. 29	17.41	Nov. 26	14.87
Feb. 30	5.34	Apr. 29	2.18	Oct. 28	15.52	Dec. 29	13.35

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 28.41 below lsd, Aug. 28, 1952. Records available: 1949-52.

Jan. 30	13.19	Apr. 29	12.76	Sept. 29	26.94	Nov. 26	24.58
Feb. 27	12.05	May 28	18.86	Oct. 28	25.86	Dec. 29	23.24
Mar. 27	12.92	Aug. 28	28.41				

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: 1949-52. Jan. 30, 49.79; Feb. 27, 49.93; Mar. 27, 50.37; May 28, 50.41; Nov. 26, 53.50.

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 61.50 below lsd, Dec. 29, 1949. Records available: 1949-52.

Jan. 30	57.78	June 5	57.55	Aug. 28	59.97	Nov. 26	57.72
Mar. 27	57.33	July 1	59.25	Sept. 29	58.94	Dec. 29	56.99
Apr. 29	56.65	30	60.06	Oct. 28	58.77		

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. Feb. 27, 65.47.

689W-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 46.14 below lsd, Oct. 28, 1952. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	43.33	June 5	41.34	Aug. 28	42.57	Oct. 28	46.14
Feb. 27	43.79	July 30	45.78	Sept. 29	43.01	Dec. 29	44.99

#### 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 79.00 below lsd, Nov. 26, 1952. Records available: 1937-39, 1944-52.

Jan. 30	77.41	Apr. 29	76.48	July 30	78.19	Oct. 28	78.86
Feb. 27	76.47	May 28	76.63	Aug. 28	78.53	Nov. 26	79.00
Mar. 27	76.90	June 27	77.37	Sept. 29	78.80	Dec. 29	78.41

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: 1949-52.

Jan. 30	57.79	Apr. 29	57.14	Sept. 29	59.94	Nov. 26	59.51
Feb. 27	56.48	Aug. 28	60.39	Oct. 28	59.70	Dec. 29	58.90
Mar. 27	57.54						

#### 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: 1949-52.

Jan. 30	65.15	Apr. 29	82.77	Sept. 29	78.94	Nov. 26	72.36
Feb. 27	63.89	May 28	67.93	Oct. 28	75.20	Dec. 29	70.20
Mar. 27	63.57	Aug. 28	84.61				

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. No measurement made in 1952.

1S5W-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, 1949-52.

Jan. 30	62.75	Apr. 29	59.95	Sept. 29	78.57	Nov. 26	70.25
Feb. 27	61.12	July 30	83.35	Oct. 28	77.64	Dec. 29	67.77
Mar. 27	60.76						

1S6W-12cbb1. Formerly 130. 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, 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1929	58.88	Apr. 20, 1942	67.19	Apr. 22, 1947	65.02	Apr. 25, 1950	66.75
Apr. 16, 1936	59.02	Apr. 22, 1943	72.50	Apr. 21, 1948	65.93	Apr. 17, 1951	67.49
Apr. 24, 1940	77.26	Apr. 19, 1944	63.50	Apr. 20, 1949	66.62	Apr. 22, 1952	69.38
Apr. 16, 1941	75.15						

#### 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 268.27 below lsd, Sept. 30, 1952. Records available: 1946-47, 1949-52.



## 17S15W-17dad1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	254.89	June 5	252.54	July 31	263.80	Oct. 29	266.33
Mar. 27	256.83	July 1	259.01	Sept. 30	268.27	Nov. 27	267.16
Apr. 29	254.89						

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 262.30 below lsd, Aug. 29, 1952. Records available: 1947, 1949-52.

Jan. 29	247.49	Apr. 29	246.27	July 31	255.27	Oct. 29	257.60
Feb. 29	246.71	June 5	243.89	Aug. 29	262.30	Nov. 27	258.74
Mar. 27	248.39	July 1	250.38	Sept. 30	259.80		

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, 1949-52.

Mar. 27	314.60	July 30	317.50	Sept. 30	326.19	Nov. 27	325.75
June 5	317.16	Aug. 28	326.20	Oct. 29	327.80	Dec. 30	332.59

## LOUISIANA

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By A. N. Turcan, Jr.

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### Scope of Water-Level Program

The observation-well program in Louisiana was continued during 1952 in cooperation with the State Department of Public Works and the Geological Survey, Louisiana Department of Conservation. Measurements of water levels were made in 314 wells in 29 parishes. Recording gages were in operation on 49 of these wells for at least a part of the year. Investigations were made to determine if proposed surface-water reservoirs in central Louisiana would result in additional recharge to the sands providing large quantities of water for industrial, rural, agricultural, and public-supply purposes. A comprehensive report entitled, "Water Resources of Southwestern Louisiana," containing information on geology, physiography, and ground-water resources was completed. Pumping tests were made in the Baton Rouge area to determine the hydraulic characteristics of the aquifers tapped by supply wells.

### Precipitation

The annual precipitation in Louisiana in 1952 was 48.75 inches which is 6.93 inches below normal. Except for the months of August, September, and October, when the precipitation was below normal, the rainfall was uniformly distributed throughout the year.

### Interpretation of Water-Level Fluctuations

In general, there were no serious water-level declines recorded in Louisiana in 1952. The water levels in wells screened in sand of Eocene age, the principal fresh-water bearing sand in northern Louisiana, changed little from 1951. During 1952 the low at Bastrop in Morehouse Parish was 76 feet; at Hodge in Jackson Parish (Ja-13) it was 114 feet. (See fig. 5.) At Springhill in Webster Parish the water levels in wells screened in the Sparta sand recovered from 123 feet to 100 feet during the period January through December. The water level in a well at Springhill, screened at a depth of 150 feet, also in the Sparta sand, remained about 60 feet below land surface during the year. However, continued heavy withdrawals in the vicinity of Monroe in Ouachita Parish caused new maximum lows to be recorded in wells Ou-77 and Ou-100, which are screened at different depths in sands of Eocene age. The low recorded in well Ou-77, screened at a depth of 500 feet, was 230 feet, 4 feet below that reported in 1951. In well Ou-100, screened at a depth of 800 feet, the maximum low reported was 112 feet, about 3 feet below the recorded low in 1951. At Alexandria the maximum recorded low at 132 feet was about 10 feet higher than that recorded in 1951 in wells screened in the Catahoula formation of Miocene age, the principal fresh water-bearing sand in central Louisiana. Even though the amount of rice flooded by ground water in southwestern Louisiana was about the same (250,000 acres) as for previous years, the resulting declines of water levels in observation wells screened in sands of Pleistocene age were not as pronounced as for previous years because of adequate rainfall during the period of rice irrigating. In one well, Ac-40, in the center of the rice-farming area north of Crowley, the maximum recorded low water level was 73 feet, 2 feet higher than the low reported in 1951. At Lake Charles, where there is heavy pumping from wells for industrial and public-supply purposes, in addition to a heavy withdrawal of ground water for the flooding of rice fields, the maximum low recorded water level in a well (Cu-445) screened at a depth of 500 feet was 81 feet below land surface, 2 feet above the low reported in 1951. In a well (Cu-446) screened at a depth of 700 feet, the maximum low recorded in 1952 was 62 feet, 10 feet above the low reached in 1951. The maximum lows reported for 1951 were the lowest ever recorded in the area. (See figs. 6 and 7.)

In the Baton Rouge area ground water pumped for industrial purposes remained about the same from wells tapping the "400 foot" and "600 foot" sands and during the year the water levels ranged from a low of 200 feet to 156 feet. The withdrawals from these sands and the resultant fluctuations of water levels in a well (EB-128) that is screened in these sands are graphically illustrated for the period 1941 through 1952 in figure 8. Artesian pressures in wells in the flowing-well area of southeastern Louisiana showed little change from previous years.

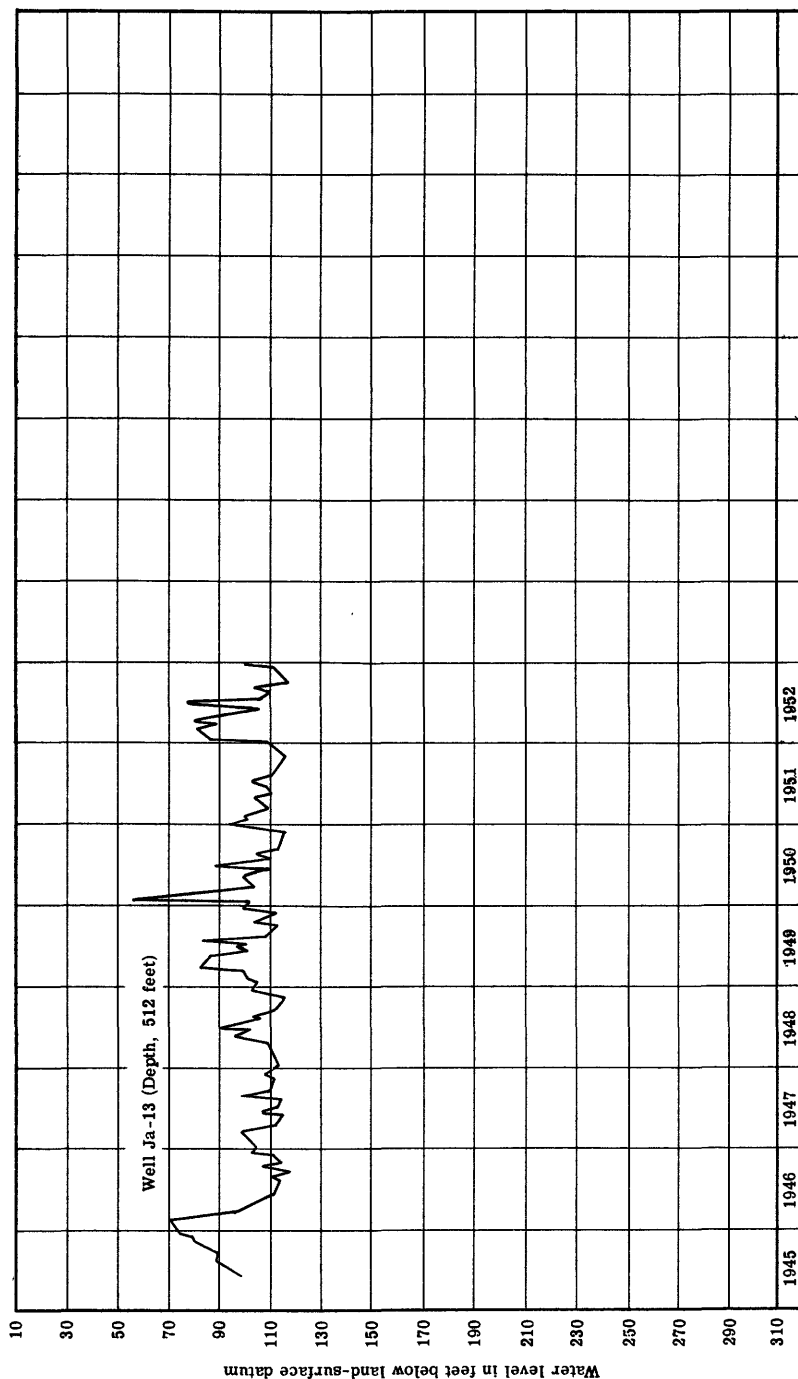


Figure 5. --Water level in well Ja-13 at Hodge in Jackson Parish, La., 1945-52.

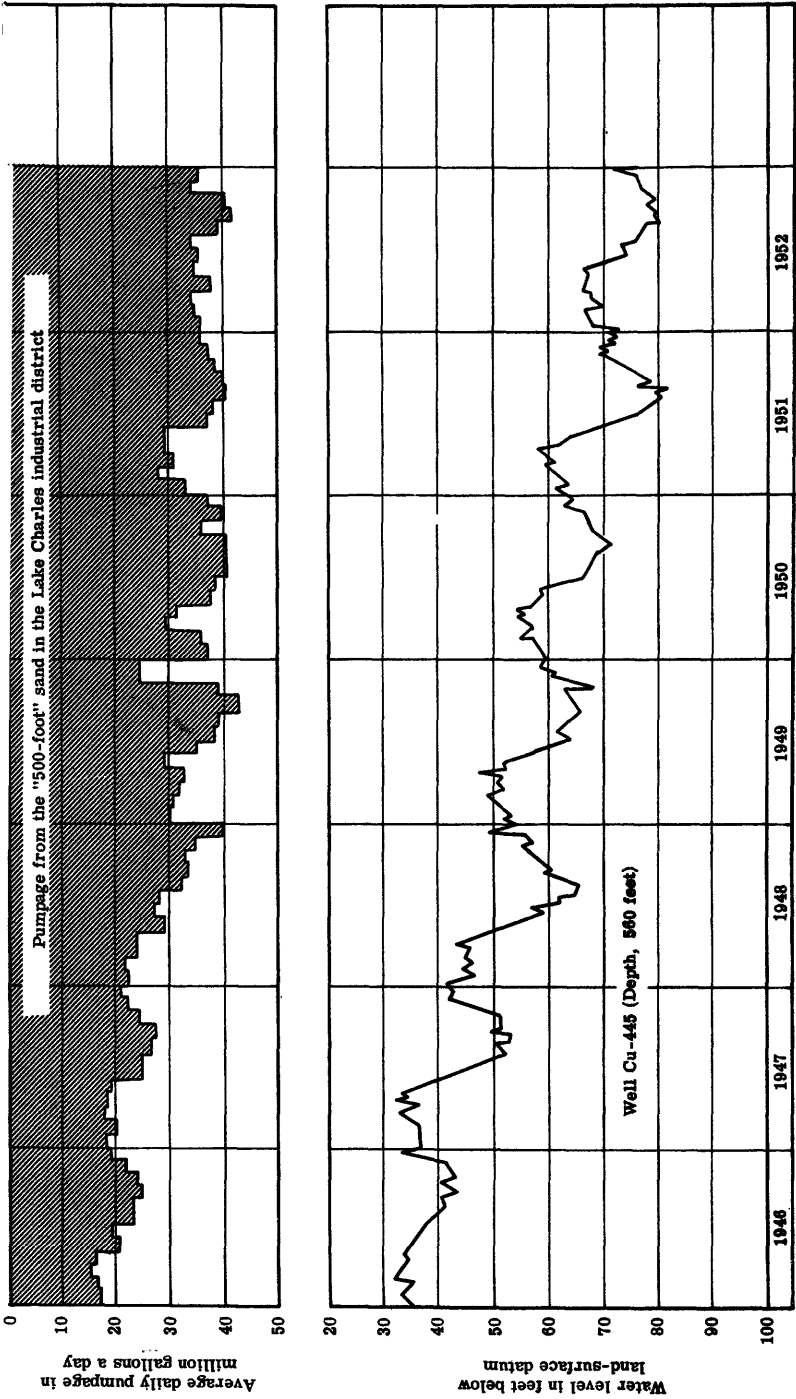


Figure 6. --Pumpage from the "500-foot" sand in the Lake Charles, La., industrial district and water level in well Cu-445, 1946-52.

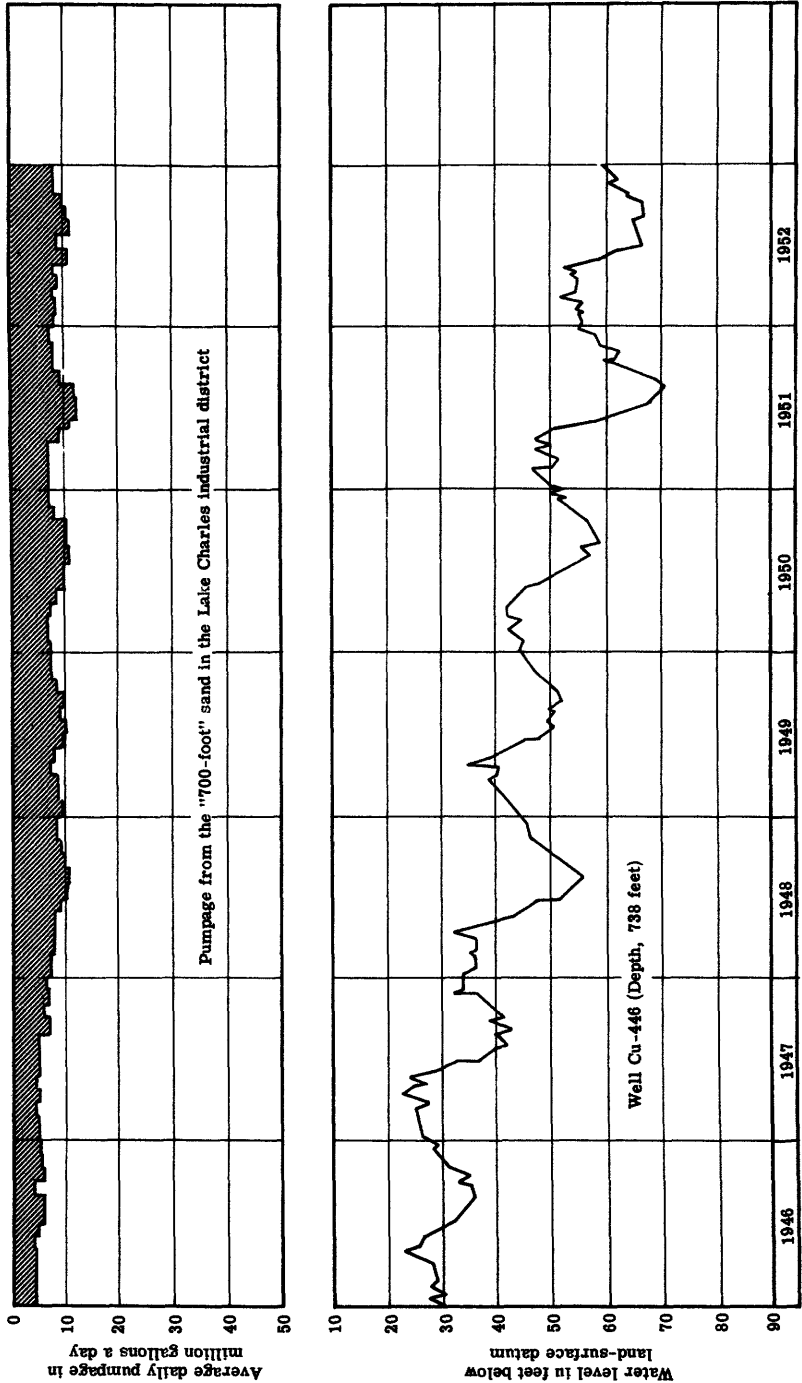


Figure 7. -- Pumpage from the "700-foot" sand in the Lake Charles industrial district and water level in well Cu-446, 1946-52.

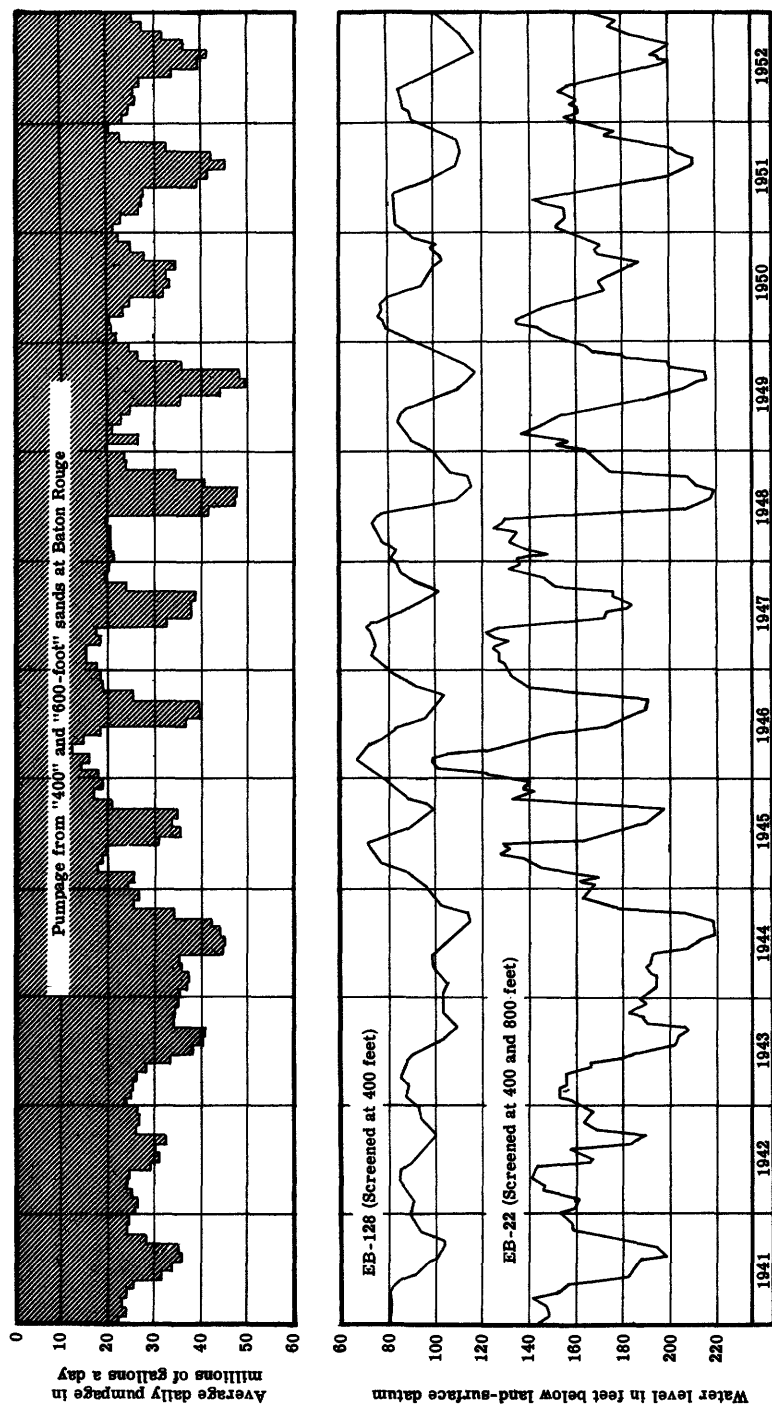


Figure 8. --Water levels in wells EB-128 and EB-22, and pumpage at Baton Rouge, La., 1941-52.

## Acknowledgments

Measurements for wells Sc-6 and Sc-9 at Norco are obtained from the Shell Oil Company. The Texas Company furnished the measurements for well Ve-514 at Erath.

## Well-Numbering System

Observation wells are listed alphabetically by parishes and numerically within each parish. The wells are identified by two letters, indicating the parish followed by a number.

## Well Descriptions and Water-Level Measurements

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

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 48.86 below lsd, Apr. 15, 1947. Records available: 1939-40, 1942-52. Sept. 29, 47.76.

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 87.27 below lsd, July 31, 1951. Records available: 1939-52. Jan. 30, 61.79; Feb. 28, 59.85; Apr. 28, 57.44; Oct. 2, 76.14; Nov. 12, 70.78; Dec. 22, 66.16.

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 69.35 below lsd, Sept. 30, 1952. Records available: 1939-48, 1950-52. Apr. 29, 54.46; Sept. 30, 69.35.

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 75.33 below lsd, July 21, 1951. Records available: 1939-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.0	45.2	43.6	42.4	43.3	51.2	69.4	.....	.....	59.45	54.82	50.86
2	46.9	44.9	43.5	42.4	43.9	53.4	69.2	.....	.....	59.83	54.42	50.73
3	46.9	44.8	43.5	42.3	44.6	54.9	69.0	.....	.....	57.65	54.15	50.64
4	46.8	44.8	43.5	42.1	45.0	55.6	69.0	.....	.....	57.53	54.07	50.44
5	46.8	44.8	43.5	42.2	45.2	54.4	68.4	.....	.....	57.23	53.89	50.40
6	46.7	44.8	43.5	42.2	46.5	55.6	68.0	.....	.....	56.87	53.81	50.35
7	46.7	44.8	43.4	42.2	47.4	56.8	67.7	.....	.....	56.43	53.74	50.26
8	46.6	44.8	43.4	42.2	48.0	56.1	68.5	.....	.....	56.18	53.55	50.16
9	46.5	44.7	43.3	42.1	48.6	57.8	71.2	.....	.....	56.05	53.38	50.06
10	46.6	44.7	43.3	42.0	49.1	59.0	.....	.....	.....	55.98	53.13	50.01
11	46.5	44.6	43.3	42.0	49.0	60.1	.....	.....	61.53	55.87	53.04	49.95
12	46.4	44.5	43.1	41.8	50.0	61.1	.....	.....	62.40	55.73	52.93	49.87
13	46.4	44.5	43.1	41.8	50.8	.....	.....	.....	61.39	55.68	52.78	49.79
14	46.3	44.4	43.0	41.9	52.1	62.0	.....	.....	60.81	55.35	52.65	49.73
15	46.2	44.3	43.0	41.9	52.6	61.2	.....	.....	60.45	55.30	52.55	49.69
16	46.2	44.3	43.0	41.9	52.8	61.9	.....	.....	60.54	55.18	52.48	49.62
17	46.1	44.3	42.9	41.9	51.8	63.1	.....	.....	60.64	55.05	52.33	49.53
18	46.1	44.3	42.8	42.2	52.3	64.0	.....	.....	60.30	54.95	52.17	49.44
19	46.0	44.2	42.8	42.1	51.8	64.9	.....	.....	60.05	54.83	51.98	49.32
20	45.9	44.1	42.8	42.1	51.2	65.6	.....	.....	59.73	54.70	51.90	49.22
21	45.8	44.1	42.7	42.0	50.7	64.9	.....	.....	59.10	54.78	51.83	.....
22	45.7	44.0	42.7	42.0	50.5	64.7	.....	.....	58.74	54.73	51.74	.....
23	45.7	43.9	42.7	41.7	50.5	67.0	.....	.....	58.76	54.68	51.65	48.97
24	45.7	43.8	42.7	41.7	50.3	69.2	.....	.....	60.31	54.45	51.52	48.93
25	45.6	43.8	42.7	41.7	49.8	70.6	.....	.....	60.19	54.42	51.38	48.84
26	45.5	43.8	42.6	41.7	51.6	71.5	.....	.....	59.93	54.28	51.37	48.82
27	45.5	43.8	42.2	41.7	52.2	72.4	.....	.....	59.64	54.15	51.32	48.75
28	45.3	43.7	42.6	41.7	52.4	73.0	.....	.....	57.76	54.30	51.24	48.68
29	45.3	43.6	42.6	42.3	52.6	72.5	.....	.....	59.82	54.32	51.05	48.58
30	45.3	.....	42.6	42.8	53.3	70.4	.....	.....	59.84	54.32	50.98	48.37
31	45.3	.....	42.4	.....	53.6	.....	.....	.....	.....	54.50	.....	48.37

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, 1944-52. Apr. 28, 45.55.

Ac-115. Jack Daigle. SE $\frac{1}{2}$  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. No measurement made in 1952.

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, 1944-52. Apr. 30, 25.42; Sept. 30, 35.19.

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, 1944-52. Sept. 30, 35.35.

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.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.
1	45.8	44.5	43.4	42.1	44.5	52.0	68.50	.....
2	45.8	44.7	43.2	42.1	46.8	52.5	69.38	.....
3	46.3	44.7	43.2	42.1	46.9	.....	.....	.....
4	45.8	44.2	43.3	42.1	47.5	.....	.....	.....
5	45.8	44.8	43.7	.....	48.7	.....	.....	60.30
6	45.7	44.3	43.2	.....	49.4	.....	.....	59.98
7	45.7	44.3	.....	.....	.....	.....	.....	59.48
8	45.6	44.3	.....	.....	.....	.....	.....	59.38
9	45.5	44.2	.....	43.0	.....	.....	.....	58.82
10	.....	44.1	.....	42.0	.....	.....	.....	59.44
11	.....	44.1	43.4	42.1	.....	.....	.....	.....
12	.....	44.1	43.3	42.3	.....	.....	.....	.....
13	.....	44.5	43.5	41.8	.....	.....	.....	.....
14	.....	.....	42.8	42.1	.....	.....	.....	.....
15	.....	.....	43.2	42.2	.....	.....	.....	.....
16	.....	.....	42.7	41.8	.....	.....	.....	.....
17	.....	.....	43.2	.....	.....	.....	.....	.....
18	.....	44.4	.....	.....	.....	.....	.....	.....
19	.....	44.3	42.9	.....	.....	.....	.....	.....
20	.....	44.2	42.5	.....	.....	.....	.....	.....
21	45.2	43.8	42.4	.....	.....	.....	.....	.....
22	45.7	43.6	42.4	.....	51.2	.....	.....	.....
23	44.9	43.4	42.8	.....	51.0	65.9	.....	.....
24	45.1	43.5	42.4	.....	51.0	.....	.....	.....
25	45.0	44.1	42.4	.....	50.6	.....	.....	.....
26	45.2	44.1	.....	.....	50.4	.....	.....	.....
27	44.7	44.1	.....	.....	51.8	68.40	.....	.....
28	44.8	43.6	.....	.....	51.4	69.04	.....	.....
29	44.8	43.8	42.5	.....	52.0	68.60	.....	.....
30	44.8	.....	42.2	.....	51.4	68.25	.....	.....
31	45.2	.....	42.6	.....	52.3	.....	.....	.....

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

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: 1939-52. Apr. 29, 45.46; Sept. 29, 61.18.

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: 1944-52. Apr. 30, 32.21; Sept. 30, 44.73.



Ac-232. Sun Oil Co. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 29, T. 9 S., R. 9 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 215 feet, screen 195-215. Land-surface datum is 14.65 feet above msl. Highest water level 19.19 below lsd, Mar. 22, 1950; lowest 39.10 below lsd, Sept. 17, 1951. Records available: 1949-52. Apr. 29, 23.78. Measurement discontinued.

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 62.76 below lsd, Sept. 17, 1951. Records available: 1949-52. Apr. 29, 47.28; Sept. 30, 62.53.

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 47.24 below lsd, Sept. 17, 1951. Records available: 1949-52. Apr. 29, 32.13; Sept. 30, 47.06.

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 36.46 below lsd, Sept. 17, 1951. Records available: 1950-52. Feb. 1, 25.46; Feb. 28, 24.02; Apr. 29, 22.35; Sept. 30, 34.82; Nov. 13, 31.61; Dec. 23, 28.38.

#### 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 60.33 below lsd, Aug. 21, 1951. Records available: 1944-52. Feb. 4, 54.93; Feb. 26, 55.23; Apr. 30, 54.70; Sept. 30, 57.79.

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 60.88 below lsd, Sept. 30, 1952. Records available: 1944-52. Apr. 30, 58.81; Sept. 30, 60.88.

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: 1940-52. May 1, 42.76; Sept. 30, 43.72.

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: 1944-52. May 1, 33.87; Sept. 30, 35.22.

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 47.58 below lsd, Sept. 30, 1952. Records available: 1944-52. Apr. 29, 44.56; Sept. 30, 47.58.

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. Apr. 29, 38.75.

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 39.86 below lsd, Sept. 30, 1952. Records available: 1944-52. Apr. 29, 38.10; Sept. 30, 39.86.

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 61.87 below lsd, Sept. 25, 1951. Records available: 1946-52. Feb. 4, 60.79; Feb. 26, 60.92; May 1, 59.91; Sept. 30, 63.31.

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 45.96 below lsd, July 25, 1951. Records available: 1947-52.

## Al-33--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	43.93	Feb. 26	43.75	Apr. 14	43.53	May 26	43.21
14	43.76	Mar. 3	43.20	21	43.34	June 4	43.84
21	43.69	9	43.49	28	43.34	9	44.24
28	43.87	16	43.83	May 5	43.35	Aug. 25	46.76
Feb. 4	43.54	24	43.54	12	43.46	Sept. 30	45.15
11	43.69	31	43.41	19	43.13	Nov. 24	45.82
18	43.84	Apr. 7	43.68				

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 31.46 below lsd, Sept. 30, 1952. Records available: 1945, 1947-52. May 1, 29.56; Sept. 30, 31.46.

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.

## Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Sept.	Nov.
1	80.1	79.7	.....	80.1	72.3	80.1	.....	.....
2	80.2	80.2	.....	80.3	70.8	80.1	.....	.....
3	80.4	80.2	.....	80.1	69.8	80.0	80.77	.....
4	80.4	80.9	.....	80.0	69.0	.....	80.70	.....
5	80.5	81.0	.....	80.3	68.2	80.1	80.63	.....
6	79.2	81.1	.....	80.3	68.4	80.1	80.64	.....
7	80.3	.....	80.3	80.1	72.6	80.1	80.60	.....
8	80.3	.....	80.4	80.0	74.9	80.2	80.59	.....
9	80.4	.....	80.9	79.9	75.9	80.2	80.60	.....
10	.....	.....	80.7	80.1	76.7	80.30	80.57	.....
11	.....	.....	80.7	79.9	77.6	80.30	.....	.....
12	.....	.....	80.8	79.6	78.0	80.25	.....	.....
13	.....	80.7	80.7	79.8	78.3	80.28	.....	.....
14	.....	80.9	81.0	80.0	78.5	80.29	.....	.....
15	80.8	80.8	80.3	80.1	78.6	80.29	.....	.....
16	80.8	81.0	80.7	80.1	78.7	80.19	.....	.....
17	80.8	81.2	80.7	80.0	78.9	80.27	.....	59.35
18	80.9	81.0	80.5	80.0	79.1	.....	.....	.....
19	80.7	80.9	80.5	79.8	79.2	.....	.....	.....
20	80.9	.....	80.7	79.7	79.4	h80.30	.....	.....
21	80.7	.....	81.0	79.7	79.5	80.27	.....	.....
22	80.8	.....	80.6	79.8	79.6	80.26	.....	59.25
23	81.3	.....	80.3	79.5	79.6	80.36	.....	.....
24	81.2	.....	80.3	79.8	79.7	80.37	.....	.....
25	80.8	.....	80.4	79.7	79.8	80.27	.....	.....
26	80.8	.....	80.5	79.9	79.8	80.23	.....	62.56
27	80.8	.....	80.5	80.0	79.9	80.27	.....	.....
28	81.0	.....	80.2	80.0	79.9	80.27	.....	.....
29	80.7	.....	80.2	80.0	79.9	.....	.....	.....
30	81.2	.....	80.0	74.9	79.9	.....	.....	.....
31	81.2	.....	80.0	.....	80.0	.....	.....	.....

\* No record for July, August, October, and December.

h Tape measurement.

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 30.58 below lsd, Jan. 27, 1947; lowest 34.40 below lsd, Nov. 16, 1948. Records available: 1947-52. Feb. 19, 35.30; Apr. 8, 35.31; May 12, 35.05.

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.

AI-167--Continued.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	69.7	69.6	70.5	70.3	....	70.2
2	69.9	69.8	70.4	70.5	....	70.2
3	70.0	69.7	70.3	70.4	....	70.2
4	69.9	70.3	70.6	70.5	....	....
5	70.0	70.5	70.6	70.5	....	70.2
6	69.5	70.6	70.2	70.5	....	70.3
7	69.8	70.7	70.5	70.4	65.4	70.3
8	69.7	70.5	70.5	70.2	66.5	70.3
9	69.9	70.5	70.4	70.2	67.0	70.4
10	....	70.4	70.2	70.3	67.6	70.5
11	....	70.3	70.6	70.2	68.3	70.5
12	....	70.2	70.5	70.0	68.6	70.4
13	....	70.2	70.5	70.1	68.7	70.5
14	....	70.4	....	70.2	68.8	70.5
15	70.2	70.3	....	70.3	68.8	70.5
16	70.3	70.5	....	70.3	68.9	70.4
17	70.3	70.7	70.5	70.3	69.1	70.5
18	70.3	70.6	70.4	70.3	69.2	....
19	70.1	70.5	70.6	70.2	69.3	....
20	70.3	70.5	70.5	70.2	69.5	....
21	70.1	70.6	70.5	70.2	69.6	....
22	70.2	70.4	70.6	70.2	69.6	....
23	70.8	70.5	70.7	70.1	69.7	....
24	70.6	70.5	70.5	70.2	69.8	....
25	70.3	70.5	70.5	70.2	69.8	....
26	70.3	70.3	70.5	70.2	69.9	....
27	70.2	....	70.5	70.2	69.9	....
28	70.5	....	70.5	70.2	69.9	....
29	70.3	70.4	70.5	70.2	69.9	....
30	70.6	....	70.4	68.5	70.0	....
31	70.6	....	....	....	70.0	....

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

AI-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.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	61.0	61.6	62.0	61.7	....	61.5
2	61.2	61.2	61.8	62.0	....	61.5
3	61.3	61.0	61.7	61.7	....	61.5
4	61.2	61.6	62.3	61.7	....	....
5	61.3	61.9	62.2	62.1	....	61.5
6	61.4	61.9	62.1	62.1	....	61.5
7	61.3	62.1	62.0	61.9	58.0	61.6
8	61.1	61.9	61.9	61.7	68.6	61.6
9	61.2	61.9	61.7	61.7	68.9	61.7
10	....	61.8	61.4	61.8	59.3	61.7
11	....	61.8	62.0	61.6	59.8	61.8
12	....	61.7	61.9	61.4	60.0	61.7
13	....	61.6	62.0	61.6	60.1	61.8
14	....	61.8	61.9	61.8	60.2	61.8
15	61.6	61.8	....	61.9	60.2	61.8
16	61.6	62.1	....	61.9	60.3	61.7
17	61.6	62.0	61.9	61.9	60.5	61.8
18	61.7	....	61.7	61.8	60.5	....
19	61.5	61.8	62.0	61.7	60.6	....
20	61.7	62.0	61.9	61.6	60.8	....
21	61.5	62.0	61.8	61.6	60.9	....
22	61.6	61.8	62.0	61.7	60.9	....
23	62.0	61.8	62.2	61.6	61.0	....
24	61.9	61.8	61.9	61.6	61.1	....
25	61.6	61.9	61.9	61.7	61.1	....

## Al-168--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June
26	61.6	62.1	61.9	61.7	61.2	....
27	61.6	....	62.0	61.7	61.2	....
28	61.9	....	62.0	61.8	61.2	....
29	61.8	61.6	61.9	61.8	61.3	....
30	61.9		61.8	61.0	61.3	....
31	61.9		61.6		61.3	

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

Beauregard Parish

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 52.80 below lsd, Aug. 13, 1951. Records available: 1943-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.1	50.0	49.8	49.6	49.4	49.8	51.87	....	....	52.26	51.69	51.36
2	50.2	49.8	49.8	49.8	49.4	49.8	51.97	....	....	52.27	....	51.32
3	50.2	49.7	49.9	49.7	49.5	49.8	....	....	....	52.31	....	51.32
4	50.1	49.8	49.7	49.6	49.5	49.9	....	....	....	52.23	....	51.22
5	50.1	50.0	50.0	49.8	49.5	49.9	....	....	....	52.14	....	51.40
6	50.2	50.0	50.0	49.9	49.5	50.0	....	....	....	52.16	....	51.34
7	50.2	50.1	50.0	49.8	49.5	50.0	....	....	....	52.15	....	51.28
8	50.1	50.1	49.9	49.8	49.5	50.1	....	....	....	52.05	....	51.26
9	50.1	50.0	49.8	49.7	49.4	50.1	....	....	....	52.02	....	51.26
10	50.3	50.0	49.5	49.7	49.4	50.2	....	....	....	52.03	....	51.34
11	50.3	49.9	49.8	49.7	49.5	50.3	....	....	....	52.01	....	51.36
12	50.2	49.9	49.7	49.4	49.6	50.4	....	....	....	51.95	....	51.33
13	50.2	49.8	49.8	49.6	49.6	50.5	....	....	....	51.92	....	51.32
14	50.1	49.9	49.8	49.7	49.6	50.7	....	....	....	51.86	51.46	51.34
15	50.1	49.8	49.8	49.7	49.6	50.8	....	....	....	51.88	51.50	....
16	50.1	49.9	49.9	49.8	49.6	50.8	....	....	52.74	51.88	51.52	....
17	50.1	50.0	49.8	49.8	49.6	50.9	....	....	52.68	51.86	51.50	....
18	50.1	50.0	49.6	49.8	49.7	51.0	....	....	52.66	51.86	51.46	....
19	50.1	49.9	49.7	49.7	49.6	51.1	52.18	....	52.65	51.80	51.46	....
20	50.1	49.9	49.7	49.6	49.6	51.2	52.07	....	52.61	51.81	51.48	....
21	50.0	50.0	49.7	49.6	49.6	51.3	52.03	....	52.55	51.89	51.52	....
22	50.0	49.9	49.7	49.6	49.6	51.4	52.10	....	52.52	51.85	51.48	....
23	50.2	49.8	49.8	49.4	49.7	51.5	52.08	....	52.51	51.84	51.52	....
24	50.2	49.9	49.8	49.5	49.7	51.5	52.14	....	52.49	51.80	51.44	....
25	50.1	49.9	49.8	49.5	49.7	51.6	52.24	....	52.46	51.76	51.33	....
26	50.1	50.0	49.8	49.5	49.6	51.70	....	....	52.49	51.76	51.52	....
27	50.0	50.0	49.8	49.5	49.6	51.81	....	....	52.46	51.74	51.54	....
28	50.1	49.8	49.9	49.5	49.6	51.99	....	....	52.43	51.75	51.54	....
29	50.1	49.7	49.9	49.5	49.5	51.92	....	....	52.40	51.80	51.41	....
30	50.1		49.8	49.5	49.5	51.86	....	....	52.32	51.74	51.42	....
31	50.1		49.7		49.7		....	....	51.70			....

Be-31. B. H. Harper. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 18 feet. Highest water level 11.91 below lsd, Feb. 21, 1951; lowest 32.60 below lsd, June 15, 1951. Records available: 1950-52. Jan. 17, 15.97; Mar. 29, 13.66; Sept. 5, 14.21; Oct. 23, 15.15; Nov. 18, 14.97.

Be-32. J. A. Harper. S $\frac{1}{2}$ SE $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 29 feet. Land-surface datum is 99.93 feet above msl. Highest water level 21.34 below lsd, Apr. 19, 1949; lowest 29.28 below lsd, June 15, 1951. Records available: 1948-52. Jan. 17, 27.05; Mar. 29, 26.32; Sept. 5, 27.55; Oct. 28, 27.16; Nov. 18, 27.37.

Be-33. C. A. Tramel. Center of sec. 23, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 43 feet. Land-surface datum is 105.18 feet above msl. Highest water level 34.80 below lsd, Apr. 19, 1949; lowest 41.77 below lsd, Oct. 18, 1951. Records available: 1948-52. Jan. 17, 41.01; Feb. 14, 39.86; Mar. 29, 40.37; Sept. 8, 40.64; Oct. 23, 41.30; Nov. 20, 41.51.

Be-35. Gus Cole.  $N\frac{1}{2}SE\frac{1}{4}$  sec. 16, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 54 feet. Land-surface datum is 128.06 feet above msl. Highest water level 41.60 below lsd, July 13, 1949; lowest 46.59 below lsd, Mar. 27, 1952. Records available: 1948-52. Jan. 17, 46.35; Feb. 14, 46.36; Mar. 27, 46.59; Sept. 8, 46.25; Oct. 23, 46.38; Nov. 20, 46.53.

Be-36. O. Moses.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 40 feet. Land-surface datum is 143.67 feet above msl. Highest water level 33.51 below lsd, Jan. 24, 1951; lowest 37.23 below lsd, Jan. 17, 1952. Records available: 1948-52. Jan. 17, 37.23; Feb. 14, 37.05; Mar. 28, 36.83; Sept. 4, 34.86; Oct. 22, 35.69; Nov. 20, 36.21.

Be-37. W. B. Welborn.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 36, T. 3 S., R. 8 W. Dug unused water-table well in sand of Pleistocene age, diameter 33 inches, depth 27 feet. Land-surface datum is 153.78 feet above msl. Highest water level 18.50 below lsd, June 9, 1950; lowest 26.10 below lsd, Nov. 7-Dec. 29, 1951. Records available: 1948-52.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	Sept.	Oct.	Nov.
1	26.0	25.3	24.1	23.7	.....	.....	.....
2	26.0	25.2	24.0	23.7	.....	.....	.....
3	25.9	25.2	24.0	23.7	.....	.....	.....
4	25.9	25.2	24.0	23.8	h22.79	.....	.....
5	25.9	25.2	24.0	23.7	.....	.....	.....
6	25.9	25.2	24.0	23.7	.....	.....	.....
7	25.8	25.1	24.0	23.7	.....	.....	.....
8	25.8	.....	24.0	23.6	.....	.....	.....
9	25.8	.....	23.9	23.6	.....	.....	.....
10	25.7	.....	23.9	23.6	.....	.....	.....
11	25.7	.....	23.9	23.6	.....	.....	.....
12	25.7	.....	23.9	23.6	.....	.....	.....
13	25.6	.....	23.9	23.6	.....	.....	.....
14	25.6	.....	23.9	23.6	.....	.....	.....
15	25.6	24.6	23.9	23.6	.....	.....	.....
16	25.6	24.6	23.9	23.6	.....	.....	.....
17	25.5	24.5	23.9	23.5	.....	.....	.....
18	25.5	24.5	23.8	23.5	.....	.....	.....
19	25.5	24.4	23.8	23.5	.....	.....	.....
20	25.5	24.4	23.8	23.5	.....	.....	h24.35
21	25.4	24.3	23.8	23.5	.....	.....	.....
22	25.4	24.3	23.8	23.4	.....	h23.82	.....
23	25.4	24.2	23.8	23.4	.....	.....	.....
24	25.4	24.2	23.8	23.3	.....	.....	.....
25	25.4	24.2	23.8	23.2	.....	.....	.....
26	25.4	24.2	23.8	23.1	.....	.....	.....
27	25.3	24.1	23.8	23.0	.....	.....	.....
28	25.3	24.1	23.8	22.8	.....	.....	.....
29	25.3	24.1	23.8	22.7	.....	.....	.....
30	25.3	.....	23.7	.....	.....	.....	.....
31	25.3	.....	23.7	.....	.....	.....	.....

\* No record for May, June, July, August, and December.

h Tape measurement.

Be-39. Odis Hester.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 28, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 15 feet. Land-surface datum is 121.09 feet above msl. Highest water level 3.73 below lsd, May 12, 1949; lowest 9.40 below lsd, Nov. 15, 1948. Records available: 1948-52. Jan. 17, 8.37; Feb. 14, 7.60; Mar. 28, 7.38; Oct. 22, 6.79; Nov. 20, 7.08.

Be-41. Burkitt Shirley.  $NW\frac{1}{4}SE\frac{1}{4}$  sec. 12, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 18 feet. Land-surface datum is 138.60 feet above msl. Highest water level 2.14 below lsd, Feb. 15, 1949; lowest 14.66 below lsd, Aug. 24, 1951. Records available: 1948-52. Jan. 17, 6.14; Feb. 14, 3.98; Mar. 27, 5.02; Sept. 4, 8.08; Oct. 22, 10.99; Nov. 20, 11.70.

Be-42. Paul Stille.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 13, T. 3 S., R. 9 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 23 feet. Land-surface datum is 157.09 feet above msl. Highest water level 5.45 below lsd, Mar. 9, 1950; lowest 16.13 below lsd, Nov. 11, 1948. Records available: 1948-52. Jan. 17, 9.44; Feb. 14, 7.13; Mar. 27, 8.68; Sept. 4, 10.20; Oct. 22, 13.30.

Be-44. H. B. Thigpen.  $N\frac{1}{2}SW\frac{1}{4}$  sec. 10, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 25 feet. Land-surface datum is 176.80 feet above msl. Highest water level 13.82 below lsd, Mar. 9, 1950; lowest 24.77 below lsd, Sept. 16, 1948. Records available: 1948-52. Jan. 18, 22.40; Feb. 14, 21.34; Mar. 27, 21.21; Sept. 4, 20.59; Oct. 22, 22.15; Nov. 20, 22.84.

Be-46. Edward Unrech.  $S\frac{1}{2}$  sec. 22, T. 2 S., R. 9 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 27 feet. Land-surface datum is 205.71 feet above msl. Highest water level 9.69 below lsd, June 16, 1949; lowest 21.59 below lsd, Nov. 16, 1948. Records available: 1948-52. Jan. 18, 16.64; Feb. 14, 16.32; Mar. 27, 16.03; Sept. 4, 15.70; Oct. 22, 16.57; Nov. 18, 16.31.

Be-47. Ohros Cooley.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 8, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 30 inches, depth 18 feet. Land-surface datum is 189.44 feet above msl. Highest water level 4.51 below lsd, Apr. 20, 1950; lowest 17.75 below lsd, Sept. 16, 1948. Records available: 1948-52. Jan. 17, 14.26; Feb. 14, 11.52; Mar. 28, 11.98; Sept. 4, 13.43; Oct. 22, 15.26; Nov. 19, 15.62.

Be-48. M. Simmons.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 5, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, size 40 to 12 inches, depth 17 feet. Land-surface datum is 189.57 feet above msl. Highest water level 3.52 below lsd, Jan. 18, 1950; lowest 16.76 below lsd, Nov. 15, 1948. Records available: 1948-52. Jan. 12, 14.34; Mar. 28, 12.88; Sept. 4, 14.24; Oct. 22, 14.38; Nov. 19, 15.97.

Be-50. Shady Grove Church.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 14, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 51 feet. Land-surface datum is 164.65 feet above msl. Highest water level 38.63 below lsd, June 16, 1949; lowest 42.99 below lsd, Nov. 15, 1948. Records available: 1948-52. Jan. 12, 42.07; Feb. 14, 41.73; Mar. 28, 41.48; Sept. 4, 41.70; Oct. 22, 42.29; Nov. 19, 42.53.

Be-51. Allen Wagley.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 22 feet. Land-surface datum is 133.82 feet above msl. Highest water level 5.79 below lsd, June 14, 1950; lowest 10.97 below lsd, Jan. 16, 1952. Records available: 1948-52. Jan. 16, 10.97; Mar. 28, 10.31; Apr. 24, 8.50; Sept. 5, 9.91; Oct. 23, 10.60.

Be-53. Luther Ford.  $SW\frac{1}{4}NE\frac{1}{4}$  sec. 3, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 20 feet. Land-surface datum is 106.38 feet above msl. Highest water level 8.34 below lsd, Mar. 9, 1950; lowest 19.34 below lsd, Nov. 15, 1948. Records available: 1948-52. Jan. 17, 18.70; Mar. 29, 16.63; Sept. 5, 18.02; Oct. 23, 18.76; Nov. 20, 18.60.

Be-54. A. J. Lanman.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 20, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 5 feet, depth 23 feet. Land-surface datum is 131.01 feet above msl. Highest water level 10.27 below lsd, June 14, 1950; lowest 18.84 below lsd, Oct. 17, 1951. Records available: 1948-52. Jan. 16, 17.36; Mar. 29, 18.16; Sept. 5, 17.26; Oct. 23, 18.27; Nov. 19, 18.57.

Be-56. Harris Everts.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 28, T. 2 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 43 feet. Land-surface datum is 207.86 feet above msl. Highest water level 29.62 below lsd, Dec. 21, 1949; lowest 37.52 below lsd, Dec. 28, 1948. Records available: 1948-52. Jan. 17, 34.33; Feb. 14, 33.46; Mar. 28, 34.61; Sept. 4, 34.05; Oct. 22, 37.44; Nov. 18, 33.48.

Be-57. W. Wilson.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 25, T. 2 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 22 feet. Land-surface datum is 201.55 feet above msl. Highest water level 1.20 below lsd, Jan. 18, 1950; lowest 15.88 below lsd, Nov. 15, 1948. Records available: 1948-50, 1952. Jan. 16, 10.84; Feb. 14, 9.93; Mar. 28, 10.26; Apr. 24, 3.83; Sept. 4, 11.47; Oct. 22, 12.33; Nov. 18, 12.70.

Be-58. J. D. Lambert.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 25, T. 2 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 32 inches, depth 20 feet. Land-surface datum is 160.79 feet above msl. Highest water level 14.29 below lsd, June 14, 1950; lowest 20.27 below lsd, Nov. 15, 1948. Records available: 1948-52. Jan. 17, 19.43; Feb. 14, 18.86; Mar. 28, 18.39; Sept. 4, 18.38; Oct. 22, 19.51; Nov. 18, 19.74.

Be-59. A. Robertson.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 26, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 41 feet. Land-surface datum is 101.16 feet above msl. Highest water level 30.31 below lsd, Apr. 19, 1949; lowest 36.62 below lsd, Oct. 12, 1951. Records available: 1948-52. Jan. 18, 37.87; Mar. 29, 35.97; Sept. 8, 35.93.

Be-60. C. W. James.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 11, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 33 inches, depth 39 feet. Land-surface datum is 181.08 feet above msl. Highest water level 32.84 below lsd, July 19, 1950; lowest 39.37 below lsd, Aug. 17, 1948. Records available: 1948-52. Jan. 16, 37.90; Feb. 14, 38.81; Mar. 28, 38.38; Apr. 24, 37.97; Sept. 4, 37.81; Oct. 22, 38.19; Nov. 19, 38.54.

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 63.06 below lsd, Sept. 20, 1951. Records available: 1949-52. May 2, 59.31.

Be-81. W. H. Downs.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 29, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 30 feet. Highest water level 15.77 below lsd, Mar. 28, 1952; lowest 18.67 below lsd, Dec. 3, 1951. Records available: 1951-52. Dec. 3, 1951, 18.67; Jan. 17, 1952, 16.94; Feb. 14, 15.81; Mar. 28, 15.77; Sept. 4, 16.24; Oct. 22, 16.88; Nov. 20, 16.74.

Be-91. Jake Mercer.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 29, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 35 feet. Highest water level 25.67 below lsd, Oct. 5, 1950; lowest 37.29 below lsd, Jan. 18, 1952. Records available: 1950-52. Jan. 18, 37.29; Mar. 29, 37.19.

Be-92. Gus Green.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 28, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 90 feet. Highest water level 47.97 below lsd, Oct. 5, 1950; lowest 53.97 below lsd, Jan. 18, 1952. Records available: 1950-52. Jan. 18, 53.97; Mar. 29, 53.65; Sept. 8, 52.68; Oct. 23, 53.17; Nov. 20, 53.50.

Be-93. Sam H. Green.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 19, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 57 feet. Highest water level 44.77 below lsd, Oct. 5, 1950; lowest 50.40 below lsd, Nov. 20, 1952. Records available: 1950-52. Jan. 18, 49.72; Sept. 8, 49.71; Oct. 23, 50.05; Nov. 20, 50.40.

Be-94. W. M. Taylor.  $NW\frac{1}{4}NE\frac{1}{4}$  sec. 19, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 63 feet. Highest water level 52.63 below lsd, Oct. 5, 1950; lowest 56.75 below lsd, Jan. 18, 1952. Records available: 1950-52. Jan. 18, 56.75; Sept. 8, 56.24; Oct. 23, 56.35; Nov. 20, 56.53.

Be-95. Nels Nelson.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 18, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 33 feet. Highest water level 22.92 below lsd, Feb. 21, 1951; lowest 28.80 below lsd, Nov. 15, 1950. Records available: 1950-52. Jan. 18, 27.68; Sept. 8, 25.95; Oct. 23, 28.40; Nov. 20, 28.45.

Be-96. Henry A. Farris.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 7, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 65 feet. Highest water level 48.88 below lsd, Oct. 5, 1950; lowest 53.39 below lsd, Oct. 23, 1952. Records available: 1950-52. Jan. 18, 52.34; Sept. 8, 53.03; Oct. 23, 53.39; Nov. 20, 53.23.

Be-97. Henry A. Farris.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 7, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 19 feet. Highest water level 15.00 below lsd, Oct. 5, 1950; lowest 21.91 below lsd, Jan. 18, 1952. Records available: 1950-52. Jan. 18, 21.91; Sept. 18, 17.34; Oct. 23, 19.11; Nov. 20, 19.48.

Be-100. Mrs. Della Willis.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 12, T. 4 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 40 feet. Highest water level 24.00 below lsd, Nov. 15, 1950; lowest 30.79 below lsd, Oct. 23, 1952. Records available: 1950-52. Jan. 18, 28.40; Mar. 27, 28.72; Sept. 8, 29.34; Oct. 23, 30.79; Nov. 20, 29.52.

Be-101. J. H. Materne.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 2, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 19 feet. Highest water level 1.66 below lsd, Feb. 22, 1951; lowest 17.87 below lsd, Nov. 20, 1952. Records available: 1950-52. Jan. 18, 11.62; Mar. 27, 7.44; Sept. 8, 13.44; Oct. 23, 17.39; Nov. 20, 17.87.

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 26.82 below lsd, May 30, 1952; lowest 30.9 below lsd, Dec. 1-8, 1951. Records available: 1951-52.

Daily noon water level from recorder graph\*

Day	Jan.	Mar.	May	June	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	27.0	.....	.....	30.36	30.33
2	.....	.....	.....	27.0	.....	.....	30.38	30.25
3	.....	.....	.....	27.0	.....	.....	30.39	30.21
4	.....	.....	.....	.....	.....	.....	30.41	30.18
5	.....	.....	.....	.....	29.08	.....	30.41	30.16

Be-102--Continued.

Day	Jan.	Mar.	May	June	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	.....	29.10	.....	30.42	30.07
7	.....	.....	.....	27.1	29.13	.....	30.44	29.98
8	.....	.....	.....	27.1	29.15	.....	30.45	29.90
9	.....	.....	.....	27.2	29.18	.....	30.45	29.85
10	.....	.....	.....	27.2	29.21	.....	30.44	29.87
11	.....	.....	.....	27.2	29.24	.....	30.45	29.95
12	.....	.....	.....	27.2	.....	.....	30.44	29.99
13	.....	.....	.....	27.3	.....	.....	30.43	30.03
14	.....	.....	.....	27.3	.....	.....	30.44	30.07
15	.....	.....	.....	27.4	.....	.....	30.46	30.12
16	h30.03	.....	.....	27.4	.....	.....	30.46	30.15
17	.....	.....	.....	27.4	.....	.....	30.47	30.18
18	.....	.....	.....	27.5	.....	.....	30.47	30.19
19	.....	.....	.....	27.5	.....	.....	30.46	30.22
20	.....	.....	27.4	27.60	.....	.....	30.46	30.19
21	.....	.....	27.3	27.61	.....	.....	30.47	.....
22	.....	.....	27.3	27.66	.....	30.16	30.46	.....
23	.....	.....	27.2	27.70	.....	30.23	30.48	.....
24	.....	.....	27.1	27.73	.....	30.24	30.48	.....
25	.....	.....	27.0	27.77	.....	30.25	30.48	.....
26	.....	.....	27.0	27.81	.....	30.27	30.51	.....
27	.....	.....	27.0	27.84	.....	30.29	30.51	.....
28	.....	h29.20	26.9	.....	.....	30.31	30.52	.....
29	.....	.....	26.9	.....	.....	30.33	30.52	.....
30	.....	.....	26.9	.....	.....	30.33	30.42	.....
31	.....	.....	26.9	.....	.....	30.34	.....	.....

\* No record for February, April, July, and August.

h Tape measurement.

Be-103. Gilbert Bass.  $SE\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 21 feet. Land-surface datum is 125.78 feet above msl. Highest water level 16.95 below lsd, Sept. 5, 1952; lowest 19.99 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 18.86; Mar. 28, 18.17; Sept. 5, 16.95; Oct. 23, 18.09; Nov. 19, 18.57.

Be-104. Meffie Fisher.  $SW\frac{1}{4}SE\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 57 feet. Highest water level 46.35 below lsd, Sept. 5, 1952; lowest 48.77 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 48.31; Mar. 28, 47.27; Sept. 5, 46.35; Oct. 23, 47.50; Nov. 19, 47.91.

Be-105. C. Hones.  $SE\frac{1}{4}SW\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 48 feet. Highest water level 39.34 below lsd, Sept. 5, 1952; lowest 42.25 below lsd, Aug. 17, 1951. Records available: 1951-52. Jan. 16, 41.38; Mar. 28, 40.39; Sept. 5, 39.34; Oct. 23, 40.41; Nov. 19, 40.90.

Be-106. Ray Cooley.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Highest water level 31.47 below lsd, Sept. 4, 1952; lowest 34.00 below lsd, Nov. 19, 1952. Records available: 1951-52. Jan. 16, 33.36; Mar. 28, 32.38; Sept. 4, 31.47; Oct. 22, 32.92; Nov. 19, 34.00.

Be-107. Mrs. V. Ladner.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 30, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 32 feet. Highest water level 23.30 below lsd, Oct. 22, 1952; lowest 27.55 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 26.65; Mar. 28, 24.75; Sept. 4, 24.96; Oct. 22, 23.30; Nov. 19, 26.65.

Be-108. Mrs. L. Green.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 29, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 31 feet. Highest water level 20.02 below lsd, Sept. 4, 1952; lowest 23.95 below lsd, Oct. 22, 1952. Records available: 1951-52. Jan. 16, 22.55; Mar. 28, 20.48; Sept. 4, 20.02; Oct. 22, 23.95; Nov. 19, 21.65.

Be-109. W. Honea.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 21 feet. Land-surface datum is 122.70 feet above msl. Highest water level 13.21 below lsd, Sept. 5, 1952; lowest 15.55 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 15.11; Mar. 29, 13.97; Sept. 5, 13.21; Oct. 22, 14.25; Nov. 19, 14.73.



Be-110. W. Honea. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 27 feet. Land-surface datum is 128.65 feet above msl. Highest water level 17.84 below lsd, Nov. 30, 1951; lowest 21.30 below lsd, Oct. 17, 1951. Records available: 1951-52. Jan. 16, 21.18; Mar. 29, 20.03; Sept. 5, 19.15; Oct. 23, 20.22; Nov. 19, 20.70.

Be-133. Jason Ogle. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled stock water-table well in sand of Pleistocene age, diameter 8 inches, depth 30 feet. Highest water level 18.53 below lsd, Mar. 29, 1952; lowest 19.90 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 19.82; Mar. 29, 18.53; Sept. 5, 17.72; Oct. 23, 18.75; Nov. 19, 31.01.

Be-135. John Schmidt. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 39 feet. Highest water level 30.73 below lsd, Sept. 5, 1952; lowest 33.39 below lsd, Jan. 16, 1952. Records available: 1951-52. Jan. 16, 33.39; Mar. 29, 31.95; Sept. 5, 30.73; Oct. 23, 31.64; Nov. 19, 31.09.

Be-136. J. Rummel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 6, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 5 inches, depth 67 feet. Highest water level 40.78 below lsd, Apr. 24, 1952; lowest 45.91 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 44.92; Mar. 28, 44.36; Apr. 24, 40.78; Sept. 4, 43.60; Oct. 23, 44.02; Nov. 19, 45.03.

Be-137. H. Moses. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 57 feet. Highest water level 51.90 below lsd, Sept. 5, 1952; lowest 52.83 below lsd, Oct. 11, 1951. Records available: 1951-52. Jan. 16, 53.25; Mar. 29, 52.75; Sept. 5, 51.90; Oct. 23, 52.55; Nov. 19, 52.75.

Be-138. I. Wells. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 3 S., R. 7 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 26 feet. Land-surface datum is 196.42 feet above msl. Highest water level 25.99 below lsd, Apr. 24, 1952; lowest 31.88 below lsd, Oct. 11, 1951. Records available: 1951-52. Jan. 16, 27.70; Mar. 28, 27.16; Apr. 24, 25.99. Measurement discontinued.

Be-139. I. Wells. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 3 S., R. 7 W. Drilled stock water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Highest water level 28.82 below lsd, Aug. 16, 1951; lowest 29.25 below lsd, Jan. 16, 1952. Records available: 1951-52. Jan. 16, 29.25. Measurement discontinued.

Be-140. R. Scalifi. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 18, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 58 feet. Highest water level 51.95 below lsd, Aug. 24, 1951; lowest 53.67 below lsd, Nov. 20, 1952. Records available: 1951-52. Sept. 8, 53.43; Oct. 23, 53.64; Nov. 20, 53.67.

Be-141. W. R. Smith. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 51 feet. Highest water level 3.19 below lsd, Jan. 18, 1952; lowest 47.57 below lsd, Oct. 23, 1952. Records available: 1951-52. Jan. 18, 3.19; Mar. 27, 3.56; Sept. 8, 19.24; Oct. 23, 47.57; Nov. 20, 24.32.

Be-142. A. W. Brown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 48 feet. Highest water level 42.70 below lsd, Jan. 18, 1952; lowest 45.27 below lsd, Dec. 3, 1951. Records available: 1951-52. Jan. 18, 42.70; Mar. 27, 43.67; Sept. 8, 43.67.

Be-143. A. Martin. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 55 feet. Highest water level 43.22 below lsd, May 22, 1951; lowest 48.19 below lsd, Nov. 20, 1952. Records available: 1951-52. Jan. 18, 46.46; Mar. 27, 47.68; Sept. 8, 47.98; Oct. 23, 48.10; Nov. 20, 48.19.

Be-146. A. Watkins. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 60 feet. Land-surface datum is 163.95 feet above msl. Highest water level 43.30 below lsd, May 23, 1951; lowest 45.86 below lsd, Jan. 16, 1952. Records available: 1951-52. Jan. 16, 45.86; Mar. 29, 45.85; Sept. 5, 44.24; Oct. 23, 44.88; Nov. 19, 45.20.

Be-147. G. Grien. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 30 feet. Land-surface datum is 139.63 feet above msl. Highest water level 21.50 below lsd, June 15, 1951; lowest 25.51 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 23.60; Mar. 29, 22.99; Sept. 5, 21.79; Oct. 23, 22.47; Nov. 19, 22.79.

Be-148. W. Moses. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 3 S., R. 7 W. Dug unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 47 feet. Land-surface datum is 158.58 feet above msl. Highest water level 32.37 below lsd, May 23, 1951; lowest 35.36 below lsd, Mar. 29, 1952. Records available: 1951-52. Jan. 16, 35.26; Mar. 29, 35.36; Sept. 5, 33.61; Oct. 23, 34.19; Nov. 19, 34.40.

Be-149. A. Flinchey. SE $\frac{1}{4}$  sec. 8, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 44 feet. Land-surface datum is 162.54 feet above msl. Highest water level 32.55 below lsd, June 15, 1951; lowest 37.29 below lsd, Jan. 16, 1952. Records available: 1951-52. Jan. 16, 37.29; Mar. 28, 35.55; Apr. 24, 36.64; Sept. 5, 33.08; Oct. 23, 34.04; Nov. 19, 33.76.

Be-150. O. A. Gill. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 33, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 51 feet. Highest water level 28.08 below lsd, Apr. 24, 1952; lowest 37.36 below lsd, Aug. 16, 1951. Records available: 1951-52. Jan. 16, 33.08; Mar. 28, 31.84; Apr. 24, 28.08; Sept. 4, 32.81; Oct. 22, 34.20.

Be-151. L. A. Talbert. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 26, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 38 feet. Highest water level 28.30 below lsd, May 25, 1951; lowest 34.17 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 30.49; Feb. 14, 30.34; Mar. 28, 29.55; Apr. 24, 28.37; Sept. 4, 29.73; Oct. 22, 30.76.

Be-152. Horace Smith. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 2 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 38 feet. Highest water level 3.72 below lsd, Apr. 24, 1952; lowest 12.39 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 10.42; Mar. 28, 8.13; Apr. 24, 3.72; Sept. 4, 11.13; Oct. 22, 12.24.

Be-153. E. Wedel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 4 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 24 inches, depth 16 feet. Highest water level 8.33 below lsd, Mar. 27, 1952; lowest 17.10 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 18, 12.86; Mar. 27, 8.33; Sept. 8, 12.91.

Be-154. E. Wedel. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 4 S., R. 8 W. Dug domestic water-table well in sand, diameter 15 inches, depth 22 feet. Highest water level 5.53 below lsd, Mar. 27, 1952; lowest 22.77 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 18, 13.28; Mar. 27, 5.53; Sept. 8, 22.10; Oct. 23, 15.75.

Be-156. L. H. Sandifer. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 6 W. Dug domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 30 feet. Highest water level 21.37 below lsd, Mar. 29, 1952; lowest 22.72 below lsd, Dec. 1, 1951. Records available: 1951-52. Jan. 17, 22.52; Mar. 29, 21.37; Sept. 5, 21.67; Oct. 23, 22.49.

Be-157. J. C. Harper. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 19, T. 3 S., R. 6 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 17 feet. Highest water level 7.67 below lsd, Apr. 24, 1952; lowest 13.40 below lsd, Dec. 1, 1951. Records available: 1951-52. Jan. 17, 10.64; Mar. 29, 8.98; Apr. 24, 7.67; Sept. 5, 8.44; Oct. 23, 10.04.

Be-158. W. Thompson. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 30 feet. Highest water level 24.65 below lsd, Sept. 8, 1952; lowest 26.18 below lsd, Dec. 3, 1951. Records available: 1951-52. Jan. 18, 25.85; Mar. 29, 24.72; Sept. 8, 24.65; Oct. 23, 25.45.

Be-159. E. Miller. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 23 feet. Highest water level 20.73 below lsd, Mar. 29, 1952; lowest 22.42 below lsd, Dec. 3, 1951. Records available: 1951-52. Jan. 18, 21.81; Mar. 29, 20.73; Sept. 8, 20.87; Oct. 23, 21.71.

Be-160. E. Cole. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 35, T. 4 S., R. 7 W. Dug unused water-table well in sand of Pleistocene age, diameter 36 inches, depth 16 feet. Highest water level 14.27 below lsd, Mar. 29, 1952; lowest 21.79 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 18, 15.41; Mar. 29, 14.27; Sept. 8, 14.57; Oct. 23, 15.32.

Be-161. M. D. Heard. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 5 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 58 feet. Highest water level 47.08 below lsd, Mar. 29, 1952; lowest 48.24 below lsd, Dec. 3, 1951. Records available: 1951-52. Jan. 18, 48.02; Mar. 29, 47.08; Sept. 8, 47.23; Oct. 23, 47.85.

Be-163. E. Iles. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 31, T. 2 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 42 feet. Highest water level 35.52 below lsd, Sept. 4, 1952; lowest 37.48 below lsd, Nov. 30, 1951. Records available: 1951-52. Jan. 16, 37.36; Feb. 14, 37.04; Mar. 28, 36.70; Apr. 24, 36.04; Sept. 4, 35.52; Oct. 22, 36.32.

Be-164. J. A. Martin. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 47 feet. Highest water level 40.39 below lsd, Jan. 17, 1952; lowest 42.04 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 17, 40.39. Measurement discontinued.

Be-165. J. Brown. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 34 feet. Highest water level 29.17 below lsd, Oct. 22, 1952; lowest 30.44 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 17, 28.58; Mar. 27, 25.95; Sept. 4, 27.59; Oct. 22, 29.17; Nov. 19, 29.53.

Be-166. E. Miers. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 41 feet. Highest water level 30.62 below lsd, Mar. 28, 1952; lowest 31.90 below lsd, Aug. 24, 1951. Records available: 1951-52. Jan. 17, 30.93; Mar. 28, 30.62.

Be-167. L. Baggett. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 13, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 25 feet. Highest water level 18.48 below lsd, Mar. 29, 1952; lowest 19.99 below lsd, Nov. 18, 1952. Records available: 1951-52. Jan. 17, 19.30; Mar. 29, 18.48; Sept. 5, 19.09; Oct. 23, 19.83; Nov. 18, 19.99.

Be-168. A. Dougherty. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 11, T. 4 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 8 inches, depth 39 feet. Highest water level 28.39 below lsd, Sept. 5, 1952; lowest 30.69 below lsd, Jan. 17, 1952. Records available: 1951-52. Jan. 17, 30.69; Mar. 29, 27.67; Sept. 5, 28.39; Oct. 23, 29.26; Nov. 20, 29.48.

Be-169. R. Ford. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 27 feet. Highest water level 16.61 below lsd, Dec. 1, 1951; lowest 18.29 below lsd, Nov. 20, 1952. Records available: 1951-52. Jan. 17, 17.74; Mar. 29, 16.80; Sept. 5, 17.20; Oct. 23, 18.07; Nov. 20, 18.29.

Be-170. R. J. Watson. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 3 S., R. 7 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 58 feet. Highest water level 51.13 below lsd, Aug. 23, 1951, Sept. 5, 1952; lowest 52.50 below lsd, Nov. 20, 1952. Records available: 1951-52. Jan. 17, 52.13; Mar. 29, 51.55; Sept. 5, 51.13; Oct. 23, 52.31; Nov. 20, 52.50.

Be-171. L. Austin. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 3 S., R. 9 W. Dug domestic water-table well in sand of Pleistocene age, diameter 40 inches, depth 14 feet. Highest water level 5.41 below lsd, Mar. 27, 1952; lowest 12.77 below lsd, Nov. 19, 1952. Records available: 1951-52. Jan. 17, 5.91; Mar. 27, 5.41; Sept. 4, 9.75; Oct. 23, 12.34; Nov. 19, 12.77.

Be-172. M. Frusha. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 7, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 15 feet. Highest water level 9.87 below lsd, Sept. 4, 1952; lowest 11.03 below lsd, Dec. 3, 1951. Records available: 1951-52. Jan. 17, 10.32; Sept. 4, 9.87. Measurement discontinued.

Be-173. J. L. Blankenbaker. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 3 S., R. 8 W. Dug domestic water-table well in sand of Pleistocene age, diameter 36 inches, depth 72 feet. Highest water level 49.56 below lsd, Feb. 14, 1952; lowest 53.77 below lsd, Sept. 4, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 24, 1951	52.14	Jan. 17, 1952	49.86	Mar. 28, 1952	51.05	Oct. 23, 1952	52.16
Oct. 11	50.68	Feb. 14	49.56	Sept. 4	53.77	Nov. 19	51.61
Dec. 1	52.76						

Be-174. B. Cooley. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 15, T. 3 S., R. 8 W. Drilled domestic water-table well in sand of Pleistocene age, diameter 6 inches, depth 17 feet. Highest water level 15.03 below lsd, Mar. 28, 1952; lowest 16.64 below lsd, Aug. 24, 1951. Records available: 1951-52.

Aug. 24, 1951	16.64	Dec. 1, 1951	16.32	Mar. 28, 1952	15.03	Oct. 22, 1952	16.48
Oct. 11	15.98	Jan. 17, 1952	15.54	Sept. 4	15.92	Nov. 19	16.45

#### Bienville Parish

Bi-2. Town of Gibsland. 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 54.54 below lsd, Aug. 28, 1952. Records available: 1940, 1947-52. Jan. 10, 50.81; Feb. 7, 50.32; Apr. 4, 51.09; June 18, 53.47; Aug. 28, 54.54; Oct. 7, 53.42; Dec. 3, 53.10.

Bi-4. Town of Arcadia. 50 feet south of water treatment plant. 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 183.72 below lsd, Oct. 7, 1952. Records available: 1940, 1949-52. Jan. 10, 162.09; Feb. 7, 162.11; Apr. 4, 171.62; June 18, 174.84; Aug. 28, 182.50; Oct. 7, 183.72; Dec. 3, 173.45.

#### Calcasieu Parish

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 5, 1951	63.47	Jan. 14, 1952	63.24	Mar. 24, 1952	59.63	May 26, 1952	61.49
12	62.53	21	63.13	31	59.55	June 4	61.93
19	63.93	28	62.51	Apr. 7	60.68	9	61.98
26	63.70	Feb. 4	62.44	14	60.99	27	63.06
Dec. 3	63.49	11	62.65	21	60.99	July 18	62.93
10	63.71	18	62.66	28	61.11	Sept. 15	65.03
17	63.54	26	62.66	May 5	61.38	Oct. 2	65.34
24	63.53	Mar. 3	62.25	12	61.55	Nov. 14	63.80
31	63.32	9	62.35	19	61.27	Dec. 23	64.01
Jan. 7, 1952	63.45	16	62.56				

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 47.63 below lsd, Oct. 4, 1952. Records available: 1950-52.

#### Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	45.0	44.6	44.6	44.0	43.6	44.5	.....	.....	.....	47.18	47.48	.....
2	45.1	44.4	44.3	44.2	43.6	.....	.....	.....	.....	47.25	47.45	.....
3	45.2	44.3	44.2	43.9	43.6	.....	.....	.....	.....	47.40	47.50	.....
4	45.2	44.6	44.6	43.8	43.7	.....	.....	.....	.....	47.25	.....	.....
5	45.2	44.8	44.6	44.2	43.7	44.6	.....	.....	.....	47.25	.....	.....
6	45.2	44.8	44.6	44.1	43.7	44.6	.....	.....	.....	47.35	.....	.....
7	45.2	44.9	44.6	44.0	43.7	44.7	.....	.....	.....	47.54	.....	.....
8	45.1	44.8	44.5	43.9	43.6	44.7	.....	.....	.....	47.40	.....	.....
9	45.1	44.7	44.3	43.8	43.5	44.7	.....	.....	.....	47.32	.....	.....
10	45.2	44.7	44.1	43.8	43.6	44.8	.....	.....	.....	47.32	.....	.....
11	45.2	44.7	44.3	43.8	43.9	44.9	.....	.....	.....	47.31	.....	.....
12	45.1	44.7	44.2	43.5	43.7	45.1	.....	.....	47.03	47.30	.....	.....
13	45.1	44.6	44.2	43.6	43.7	45.3	.....	.....	47.08	47.27	.....	.....
14	45.0	44.6	44.3	43.8	43.7	45.3	.....	.....	47.00	47.28	47.48	.....
15	44.9	44.5	44.3	43.8	43.7	45.4	.....	.....	47.08	47.29	47.46	.....
16	45.0	44.6	44.4	43.8	43.6	45.4	.....	.....	47.16	47.43	47.47	.....
17	45.0	44.8	44.2	43.8	43.6	.....	.....	.....	47.18	47.43	47.43	.....
18	45.0	44.6	44.1	43.8	43.6	.....	h47.04	.....	47.15	47.43	47.43	.....
19	.....	44.5	44.3	43.8	43.4	.....	.....	.....	47.25	47.45	47.55	.....
20	.....	44.6	44.3	43.6	43.5	.....	.....	.....	47.25	47.44	47.58	.....
21	44.9	44.7	44.2	43.5	43.6	.....	.....	.....	47.18	47.50	47.45	.....
22	45.0	44.3	44.3	43.5	43.5	.....	.....	.....	47.22	47.34	47.34	.....
23	45.1	44.3	44.5	43.4	43.4	.....	.....	.....	47.22	47.40	47.35	h46.84
24	45.0	44.4	44.2	43.4	43.6	.....	.....	.....	47.22	47.43	47.12	.....
25	44.8	44.5	44.2	43.5	43.6	.....	.....	.....	47.20	47.42	47.00	.....
26	44.8	44.6	44.2	43.6	43.8	.....	.....	.....	47.13	47.40	47.48	.....
27	44.8	44.6	44.2	43.5	43.9	.....	.....	.....	47.15	47.42	47.51	.....
28	45.1	44.4	44.3	43.6	43.9	.....	.....	.....	47.13	47.57	47.45	.....
29	45.0	44.4	44.2	43.6	44.1	.....	.....	.....	47.15	47.50	.....	.....
30	44.9	.....	44.1	43.6	44.2	.....	.....	.....	47.18	47.45	.....	.....
31	44.7	.....	44.0	.....	44.4	.....	.....	.....	.....	47.43	.....	.....

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: 1943-52.

## 32 WATER LEVELS AND ARTESIAN PRESSURES, 1952, SOUTH-CENTRAL STATES

Cu-19--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	45.47	Mar. 3	44.32	Apr. 21	41.98	June 9	42.34
14	45.32	9	43.23	28	41.71	27	45.05
21	45.09	16	43.11	May 2	41.70	July 18	44.59
28	44.75	24	42.83	12	41.80	Sept. 12	54.67
Feb. 4	44.02	31	42.58	19	41.92	Oct. 2	51.23
11	43.89	Apr. 7	42.34	26	42.00	Nov. 13	50.69
18	43.69	14	42.08	June 4	42.11	Dec. 23	48.30
26	43.43						

Cu-21. Continental Oil Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 8, T. 10 S., R. 9 W. Drilled unused artesian well in sand and gravel of Pleistocene age, diameter 4 inches, depth 265 feet. Land-surface datum is 1.43 feet above msl. Highest water level 26.00 below lsd, Apr. 20, 1945; lowest 52.25 below lsd, Nov. 19, 1951. Records available: 1943, 1945-52. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 5, 1951	51.08	Dec. 10, 1951	51.96	Jan. 14, 1952	51.46	Feb. 18, 1952	48.05
12	51.34	17	51.77	21	51.33	26	46.58
19	52.25	24	51.73	28	50.98	Mar. 3	46.36
26	52.12	31	51.53	Feb. 4	41.43	9	46.45
Dec. 3	51.85	Jan. 7, 1952	51.62	11	47.50	16	47.33

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 66.3 below lsd, Aug. 30-31, Sept. 1, 1951. Records available: 1943-52.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Nov.	Dec.
1	54.2	52.3	51.7	50.3	50.5	51.2	57.8	.....	58.65
2	54.4	52.0	51.5	50.3	50.5	51.2	57.8	.....	58.46
3	54.3	52.0	51.4	50.1	50.6	.....	57.9	.....	58.22
4	54.4	52.0	51.8	49.8	50.6	.....	58.0	.....	58.35
5	54.4	52.1	51.4	50.1	50.6	51.5	.....	.....	58.15
6	54.4	52.0	51.1	50.2	50.5	51.5	.....	.....	57.99
7	54.2	52.1	50.9	50.1	50.5	51.9	.....	.....	57.97
8	54.0	51.9	51.2	50.0	.....	52.1	.....	.....	57.90
9	53.9	51.6	51.1	49.9	.....	52.3	.....	.....	57.95
10	54.0	51.5	51.1	50.2	.....	52.6	.....	.....	58.03
11	54.1	51.4	51.6	50.2	.....	52.9	.....	.....	57.91
12	54.1	51.3	51.6	50.0	.....	53.4	.....	.....	57.91
13	54.3	51.3	51.2	50.3	50.9	53.7	.....	.....	57.87
14	54.3	51.3	51.2	50.5	51.0	54.0	.....	60.15	57.77
15	54.3	51.2	51.1	50.6	51.0	54.2	.....	59.72	57.71
16	53.7	51.3	51.0	50.5	51.1	54.4	.....	59.58	.....
17	53.4	51.4	50.7	50.5	51.3	.....	.....	59.83	.....
18	53.3	51.3	50.6	50.6	51.4	.....	58.65	59.98	.....
19	53.2	51.2	50.7	50.6	51.3	.....	58.83	60.18	.....
20	53.3	51.2	50.6	50.5	51.4	.....	58.91	59.96	.....
21	53.2	51.3	50.2	50.4	51.3	.....	58.97	80.05	.....
22	53.0	50.9	50.1	50.5	51.1	.....	59.09	60.05	.....
23	53.1	50.8	50.2	50.3	51.1	.....	59.27	59.75	.....
24	52.8	50.9	.....	50.4	51.1	.....	59.33	60.00	57.22
25	52.6	50.8	.....	50.5	51.0	.....	59.46	60.10	57.27
26	52.5	50.9	.....	50.5	50.9	.....	.....	59.78	57.18
27	52.5	51.3	.....	50.4	51.0	.....	.....	59.48	57.05
28	52.7	51.3	.....	50.4	51.0	57.6	.....	59.19	57.00
29	52.7	51.5	.....	50.4	51.2	57.8	.....	59.15	56.83
30	52.6	.....	.....	50.4	51.3	57.8	.....	58.85	56.55
31	52.5	.....	.....	.....	51.2	.....	.....	.....	56.63

\* No record for August, September, and October.

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: 1950-52.

Cu-82--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	84.0	83.2	82.8	80.2	82.1	82.5	.....	.....	.....	87.45	87.27	84.74
2	84.0	82.8	82.6	80.5	82.5	82.5	.....	.....	.....	87.33	87.23	.....
3	84.1	82.7	82.4	80.7	82.4	.....	.....	.....	.....	87.38	87.15	.....
4	84.2	82.9	82.7	79.7	82.4	.....	.....	.....	.....	87.25	.....	.....
5	84.0	83.1	82.7	81.5	82.5	82.6	.....	.....	.....	87.15	.....	.....
6	84.2	83.1	82.8	81.6	82.4	82.7	.....	.....	.....	87.13	.....	.....
7	84.2	83.3	82.7	.....	82.2	82.7	.....	.....	.....	87.23	.....	.....
8	84.0	83.0	82.6	82.3	82.2	82.7	.....	.....	.....	87.18	.....	.....
9	84.0	82.8	82.4	82.3	82.5	82.7	.....	.....	.....	87.28	.....	.....
10	84.3	82.8	82.2	82.5	82.6	82.8	.....	.....	.....	87.30	.....	.....
11	84.2	82.7	82.4	82.4	82.8	83.3	.....	.....	.....	87.38	.....	.....
12	84.1	82.6	82.3	82.2	82.8	83.4	.....	.....	.....	87.13	.....	.....
13	84.0	82.6	82.3	82.3	82.8	83.5	.....	.....	87.70	86.88	.....	.....
14	83.9	82.6	82.4	82.5	82.8	83.5	.....	.....	87.64	87.15	82.40	.....
15	83.9	82.8	82.5	82.5	82.8	83.3	.....	.....	87.45	87.13	83.05	.....
16	84.6	82.9	82.6	82.5	82.9	83.1	.....	.....	87.35	86.52	83.68	.....
17	84.8	83.1	82.1	82.7	82.8	.....	.....	.....	87.10	86.30	84.03	.....
18	84.7	83.0	80.5	82.6	82.8	.....	h84.16	.....	87.35	86.90	84.13	.....
19	84.6	82.7	79.9	82.4	82.7	.....	.....	.....	87.48	86.84	84.55	.....
20	84.6	83.0	78.9	82.4	82.7	.....	.....	.....	87.37	86.90	84.63	.....
21	84.3	82.8	78.7	82.3	82.8	.....	.....	.....	87.40	86.97	84.68	.....
22	83.9	82.7	78.1	82.4	82.9	.....	.....	.....	87.45	86.80	.....	.....
23	84.0	82.6	78.0	82.2	81.6	.....	.....	.....	87.93	87.05	.....	.....
24	83.7	82.7	.....	82.4	82.8	.....	.....	.....	87.90	87.20	.....	.....
25	82.8	82.6	77.0	82.5	82.7	.....	.....	.....	87.84	87.13	84.78	.....
26	82.7	82.8	76.8	82.5	82.6	.....	.....	.....	87.90	87.05	84.99	.....
27	83.0	82.8	77.2	82.5	82.8	.....	.....	.....	87.48	87.08	84.88	.....
28	83.2	82.6	77.3	82.5	83.0	.....	.....	.....	87.45	87.62	84.80	.....
29	83.4	82.5	78.8	82.3	83.0	.....	.....	.....	87.52	87.70	87.40	.....
30	83.6	.....	79.3	82.3	82.8	.....	.....	.....	87.47	87.48	84.80	.....
31	83.4	.....	79.9	.....	82.5	.....	.....	.....	.....	87.25	.....	.....

h Tape measurement.

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: 1943-52. May 2, 16.72; Oct. 2, 20.95.

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: 1943-52. May 3, 26.34; Oct. 2, 35.10.

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 55.81 below lsd, Aug. 6, 1951. Records available: 1943-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 5, 1951	48.24	Jan. 14, 1952	44.48	Mar. 24, 1952	41.71	May 26, 1952	41.34
12	47.77	21	44.10	31	41.59	June 4	42.55
19	47.28	28	43.72	Apr. 7	41.30	9	42.58
26	46.72	Feb. 4	43.26	14	41.03	27	45.97
Dec. 3	45.85	11	43.09	21	40.92	July 18	47.68
10	45.92	18	43.08	28	40.86	Sept. 11	55.57
17	45.57	26	42.59	May 5	41.12	Oct. 2	51.13
24	45.22	Mar. 3	42.42	12	40.98	Nov. 13	49.99
31	44.80	9	42.38	19	41.95	Dec. 23	47.43
Jan. 7, 1952	44.76	16	42.30				

Cu-128. Steve Alford. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, T. 9 S., R. 8 W. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 418 feet. Land-surface datum is 10.02 feet above msl. Highest water level 9.87 below lsd, Apr. 28, 1944; lowest 47.01 below lsd, Sept. 19, 1951. Records available: 1944-48, 1950-52. Apr. 28, 32.50. Measurement discontinued.

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: 1944-52. May 3, 22.70.

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. May 3, 47.83; Oct. 1, 63.39.

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: 1946-52. May 1, 34.00; Oct. 1, 43.80.

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 26.21 below lsd, Sept. 10, 1951. Records available: 1943-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 12, 1951	19.58	Feb. 4, 1952	17.70	Apr. 14, 1952	15.57	May 26, 1952	16.44
Dec. 12	18.37	26	16.26	May 2	15.07	June 30	25.42
Jan. 4, 1952	17.70						

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: 1944-52. Jan. 4, 22.91; May 2, 20.25; Oct. 2, 32.63.

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: 1944-52. May 2, 28.45; Oct. 2, 37.93.

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: 1945-52. May 2, 13.89; Oct. 2, 18.41.

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: 1950-52. May 2, 17.52; Oct. 2, 30.08.

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 32.94 below lsd, Oct. 1, 1952. Records available: 1944-50, 1952. May 3, 28.76; Oct. 1, 32.94.

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 35.02 below lsd, Dec. 19, 1949. Records available: 1946-52. Apr. 28, 33.36.

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 51.00 below lsd, Aug. 27, 1951. Records available: 1944, 1947-52. Recording gage removed.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.1	40.5	39.4	38.6	38.2	40.1	43.0	.....	.....	50.04	.....	.....
2	41.1	40.4	39.3	38.6	38.2	40.2	42.8	.....	.....	50.03	.....	.....
3	41.1	40.3	39.3	38.6	38.2	.....	42.7	.....	.....	50.01	.....	.....
4	41.1	40.3	39.3	38.5	38.2	40.5	42.6	.....	.....	50.00	.....	.....
5	41.0	40.2	39.3	38.5	38.2	40.6	.....	.....	.....	50.00	.....	.....

Cu-440--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	41.0	40.2	39.3	38.5	38.2	40.7	.....	.....	.....	49.91	.....	.....
7	41.0	40.2	39.3	38.4	38.2	40.8	.....	.....	.....	49.91	.....	.....
8	41.0	40.2	39.3	38.4	38.3	40.8	.....	.....	.....	49.91	.....	.....
9	40.9	40.1	.....	38.4	38.3	40.8	.....	.....	.....	.....	.....	.....
10	40.9	40.1	.....	38.4	38.4	40.9	.....	.....	.....	.....	.....	.....
11	40.9	40.0	.....	38.4	38.4	40.9	.....	.....	.....	.....	.....	.....
12	40.9	40.0	.....	38.3	38.4	40.9	.....	.....	.....	.....	.....	.....
13	40.9	40.0	.....	38.3	38.5	40.7	.....	.....	.....	.....	.....	.....
14	40.9	40.0	.....	38.2	38.5	40.6	.....	.....	.....	.....	.....	.....
15	40.8	39.9	.....	38.2	38.6	40.6	.....	.....	49.41	.....	47.01	.....
16	40.8	39.9	.....	38.2	38.7	40.6	.....	.....	49.48	.....	46.93	.....
17	40.8	39.8	39.0	38.2	38.9	.....	h44.56	.....	49.56	.....	46.85	.....
18	40.8	39.8	39.0	38.2	39.1	.....	45.44	.....	49.64	.....	46.79	.....
19	40.8	39.8	38.9	38.2	39.2	.....	46.12	.....	49.68	.....	46.60	.....
20	40.8	39.7	38.9	38.2	39.3	.....	46.48	.....	49.74	.....	46.51	.....
21	40.7	39.7	38.9	38.2	39.5	.....	46.67	.....	49.77	.....	46.43	.....
22	.....	39.7	38.9	38.2	39.6	.....	46.77	.....	49.77	.....	.....	.....
23	.....	39.6	38.9	38.2	39.8	.....	46.82	.....	.....	.....	.....	.....
24	.....	39.5	38.8	38.2	39.9	.....	46.88	.....	.....	.....	.....	.....
25	.....	39.5	38.8	38.2	39.9	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	38.8	38.2	40.0	.....	.....	.....	.....	.....	.....	.....
27	.....	39.4	38.8	38.2	40.0	.....	.....	.....	.....	.....	.....	.....
28	.....	39.4	38.8	38.2	40.1	43.4	.....	.....	.....	.....	.....	.....
29	40.6	39.4	38.7	38.2	40.1	43.3	.....	.....	.....	.....	.....	.....
30	40.6	.....	38.7	38.2	40.1	43.1	.....	.....	.....	.....	.....	.....
31	40.6	.....	38.7	.....	40.1	.....	.....	.....	.....	.....	.....	.....

h Tape measurement.

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 83.7 below lsd, Sept. 6, 1951. Records available: 1945-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	73.7	68.4	70.3	68.1	66.5	67.8	75.1	.....	.....	79.95	80.35	76.40
2	74.0	68.0	70.3	67.2	66.7	67.9	75.1	.....	.....	79.95	80.28	76.06
3	73.6	67.8	70.5	67.2	67.0	.....	75.0	.....	.....	80.38	80.55	75.51
4	73.6	67.8	70.1	66.5	67.2	.....	75.0	.....	.....	80.80	80.48	76.76
5	73.8	67.9	.....	.....	66.9	69.1	.....	.....	.....	80.47	80.32	76.46
6	73.0	68.1	.....	.....	67.0	69.3	.....	.....	.....	80.18	80.25	76.20
7	72.9	68.3	.....	66.7	67.4	69.3	.....	.....	.....	79.72	80.12	76.28
8	72.1	68.3	.....	66.5	67.5	69.4	.....	.....	.....	79.62	79.73	76.20
9	71.4	67.5	.....	.....	67.3	70.1	.....	.....	.....	79.08	79.37	76.20
10	72.2	67.6	.....	.....	67.2	70.5	.....	.....	.....	78.95	79.20	76.37
11	72.4	67.5	.....	.....	67.3	70.5	.....	.....	.....	.....	78.85	76.26
12	74.4	67.9	.....	.....	67.3	70.9	.....	.....	79.87	.....	78.75	76.66
13	74.1	67.4	.....	.....	67.6	71.3	.....	.....	79.39	.....	.....	76.46
14	74.5	67.6	.....	.....	67.2	71.4	.....	.....	80.89	.....	77.95	76.02
15	71.6	67.7	.....	66.7	67.8	71.6	.....	.....	80.60	.....	76.78	76.79
16	69.9	67.6	.....	66.3	68.0	72.0	.....	.....	80.08	.....	76.32	76.63
17	69.4	67.3	.....	.....	68.0	.....	.....	.....	79.35	79.20	77.32	76.34
18	69.3	67.3	.....	.....	68.1	.....	74.47	.....	79.35	79.38	77.60	76.33
19	69.2	67.2	.....	.....	68.2	.....	74.92	.....	79.32	79.64	77.75	76.32
20	69.3	67.3	.....	.....	67.9	.....	74.00	.....	79.73	79.21	78.87	76.07
21	68.8	67.5	.....	67.1	67.9	.....	73.26	.....	80.02	78.87	78.84	76.35
22	68.6	67.1	.....	66.9	67.1	.....	75.72	.....	79.70	79.20	78.50	75.85
23	68.6	66.8	.....	67.1	67.9	.....	76.29	.....	.....	78.88	79.07	75.77
24	68.4	66.7	.....	66.6	67.0	.....	76.13	.....	.....	79.18	79.07	75.92
25	68.3	66.5	67.6	66.8	66.8	.....	76.70	.....	.....	79.26	78.76	75.71
26	68.0	67.1	68.1	66.8	67.0	.....	.....	.....	79.71	79.10	79.24	75.85
27	68.4	69.7	67.9	66.4	67.8	.....	.....	.....	79.99	79.10	78.23	75.52
28	68.5	70.4	67.7	66.4	67.4	75.4	.....	.....	79.68	79.54	77.87	75.45
29	68.8	70.0	67.7	66.1	67.6	75.7	.....	.....	79.62	79.88	77.57	75.15
30	68.4	.....	68.0	66.5	67.5	75.4	.....	.....	79.70	80.26	77.56	74.97
31	68.2	.....	68.2	.....	67.6	.....	.....	.....	.....	80.44	.....	74.67



Cu-446. 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 738 feet. Highest water level 22.8 below lsd, Apr. 27, 1946; lowest 72.4 below lsd, Aug. 30, 1951. Records available: 1945-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.7	55.6	54.7	53.8	54.9	53.6	61.5	.....	.....	66.61	63.62	60.19
2	56.7	55.6	54.6	54.1	54.9	52.5	61.7	.....	.....	.....	63.78	59.85
3	57.2	55.7	54.5	53.9	54.5	.....	61.8	.....	.....	66.91	64.20	59.63
4	57.3	55.5	55.0	53.6	54.3	.....	61.7	.....	.....	66.36	64.50	59.21
5	57.2	55.6	54.9	53.6	54.3	52.6	.....	.....	.....	65.75	64.25	61.33
6	56.4	55.4	54.7	53.5	53.8	53.7	.....	.....	.....	66.30	64.35	61.28
7	55.6	55.6	54.7	53.4	53.6	55.2	.....	.....	.....	66.87	64.20	61.26
8	56.3	55.4	56.3	53.5	53.7	55.6	.....	.....	.....	66.61	64.07	61.68
9	55.2	55.1	56.0	53.5	53.7	56.2	.....	.....	.....	66.58	63.87	61.49
10	55.3	55.0	55.0	53.7	53.6	56.4	.....	.....	.....	66.47	63.75	61.21
11	55.2	55.0	55.0	53.5	53.7	56.7	.....	.....	.....	66.60	63.37	60.63
12	56.2	55.5	54.8	53.2	53.7	57.1	.....	.....	64.80	66.40	63.33	60.84
13	56.7	56.0	54.7	53.3	53.7	57.4	.....	.....	66.42	66.10	63.12	60.57
14	56.8	56.3	54.6	53.5	54.5	57.7	.....	.....	66.02	66.25	63.08	60.66
15	56.8	56.3	54.6	54.2	54.0	58.0	.....	.....	66.58	66.26	63.38	60.52
16	.....	56.3	55.4	54.1	54.8	58.3	.....	.....	66.25	66.31	63.42	60.67
17	56.8	56.5	54.5	54.1	54.3	.....	.....	.....	67.00	66.24	63.23	61.23
18	56.7	56.4	52.5	53.7	54.3	.....	66.80	.....	66.85	65.78	62.87	60.68
19	56.8	56.1	52.3	53.6	52.5	.....	66.90	.....	66.97	65.20	62.72	60.23
20	56.6	55.7	52.1	53.4	52.3	.....	66.50	.....	66.45	65.48	62.62	60.29
21	56.5	55.2	51.9	53.3	52.3	.....	66.85	.....	66.07	66.14	62.67	60.07
22	56.3	54.7	52.5	53.3	52.1	.....	64.02	.....	66.25	65.16	62.36	59.82
23	56.3	54.6	53.4	53.3	52.1	.....	64.90	.....	66.67	64.28	62.57	59.93
24	56.4	54.5	.....	53.2	52.1	.....	66.45	.....	66.98	64.05	62.59	59.87
25	56.1	54.4	53.5	54.1	52.1	.....	66.71	.....	67.13	63.74	62.30	59.81
26	55.9	54.5	53.4	54.5	52.0	.....	.....	.....	67.07	63.90	62.70	59.63
27	55.8	54.6	53.5	54.6	53.2	.....	.....	.....	66.61	63.85	62.51	59.67
28	55.9	54.6	53.4	54.7	53.2	61.3	.....	.....	66.73	63.65	62.31	59.61
29	55.9	54.7	54.3	54.8	53.3	60.8	.....	.....	67.02	63.68	62.13	59.45
30	56.1	.....	54.6	54.9	53.6	61.0	.....	.....	66.50	63.65	61.98	59.13
31	55.9	.....	54.2	.....	53.7	.....	.....	.....	.....	63.85	.....	59.30

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: 1946-52. May 3, 37.93.

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 53.42 below lsd, July 17, 1951. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 5, 1951	41.70	Jan. 7, 1952	40.85	Mar. 9, 1952	40.03	May 5, 1952	39.41
12	41.57	14	40.77	16	40.04	12	39.44
19	41.59	21	40.69	24	39.92	19	44.11
26	41.51	28	40.59	31	39.73	July 18	49.76
Dec. 3	41.32	Feb. 4	40.34	Apr. 7	39.60	Sept. 11	43.54
10	41.19	11	40.34	14	39.43	Oct. 2	43.28
17	41.07	18	40.23	21	39.40	Nov. 13	43.46
24	40.95	26	40.11	28	39.31	Dec. 23	42.45
31	40.93	Mar. 3	40.05				

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: 1950-52. May 1, 33.72; Oct. 1, 45.62.

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: 1945-52. May 3, 10.62; Oct. 2, 13.55.

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: 1943-52. May 3, 19.02; Oct. 1, 27.07.

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: 1945-52. May 3, 19.14; Oct. 2, 29.18.

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: 1946-52. Apr. 29, 14.34; Sept. 30, 22.33.

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 2 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: 1945-52. May 3, 9.36; Oct. 2, 10.39.

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: 1946-52. May 3, 9.33; Oct. 2, 10.98.

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 8.93 feet above msl. Highest water level 6.42 below lsd, Nov. 6, 1946; lowest 9.76 below lsd, May 3, 1952. Records available: 1946-52. May 3, 9.76; Oct. 2, 9.73.

Cn-24. Peter Constance. In T. 15 S., R. 11 W., at Holly Beach. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 560 feet. Land-surface datum is 3.82 feet above msl. Highest water level 0.21 below lsd, Mar. 18, 1949; lowest 4.62 below lsd, Oct. 2, 1952. Records available: 1949-52. Oct. 2, 4.62.

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: 1949-52. May 3, 26.72; Oct. 1, 41.80.

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 10.75 feet above msl. Highest water level 8.8 below lsd, Oct. 4, 1949; lowest 20.30 below lsd, Dec. 16, 1952. Records available: 1949-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.1	12.4	13.0	.....	.....	13.0	13.7	13.6	13.7	14.06	.....	14.05
2	13.2	12.5	12.6	.....	.....	13.1	13.7	13.5	13.7	14.20	.....	14.17
3	13.1	12.3	12.5	.....	.....	13.1	13.7	13.5	13.7	14.36	.....	14.10
4	13.1	12.8	12.9	.....	13.4	13.2	13.6	13.5	13.7	14.40	.....	13.95
5	13.1	12.9	12.8	.....	13.4	13.0	13.3	13.6	13.9	14.50	.....	14.35
6	13.3	13.0	12.7	.....	13.3	13.0	13.3	13.7	14.0	14.64	.....	14.03
7	13.1	13.2	12.6	.....	13.3	12.8	13.4	13.9	14.0	14.91	.....	13.77
8	13.0	13.0	12.5	.....	13.3	12.8	13.6	14.0	13.9	14.85	.....	13.75
9	13.0	12.9	.....	.....	13.1	12.7	13.7	14.1	13.8	14.76	.....	13.67
10	13.7	12.9	.....	.....	13.1	12.8	13.8	14.1	13.5	14.68	14.66	14.06
11	13.2	12.8	.....	.....	13.5	13.0	13.8	14.1	13.5	14.68	14.90	13.97
12	13.0	12.7	.....	.....	13.3	13.2	14.0	14.1	13.52	14.60	14.89	13.85
13	13.1	12.7	.....	.....	13.4	13.4	13.9	14.1	13.47	14.46	14.80	13.82
14	12.9	12.6	.....	.....	13.4	13.5	13.7	14.0	13.38	14.44	14.79	13.95
15	12.9	12.3	.....	.....	13.2	13.7	13.4	14.0	13.48	14.45	14.80	14.10

## Cn-28--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	12.9	12.7	.....	.....	13.0	13.7	12.4	13.9	13.64	14.63	14.80	14.15
17	12.9	12.9	.....	.....	12.8	13.7	12.1	13.9	13.66	14.68	14.71	13.91
18	12.8	12.6	.....	.....	12.8	13.7	12.6	13.9	13.68	14.78	14.67	13.71
19	12.7	12.4	.....	.....	12.8	13.7	12.7	13.9	13.78	14.92	15.03	13.60
20	12.8	12.5	.....	.....	12.8	13.7	12.9	13.9	13.88	15.00	15.12	13.57
21	12.7	12.4	.....	.....	12.8	13.6	13.0	14.0	13.93	15.12	15.08	13.70
22	12.6	11.7	.....	.....	12.8	13.6	13.1	14.1	14.00	18.85	14.89	13.37
23	12.7	12.0	.....	.....	12.6	13.6	13.3	14.2	14.05	.....	14.70	13.58
24	12.5	12.2	.....	.....	12.6	13.8	13.5	14.2	14.13	.....	14.27	13.63
25	12.4	12.3	.....	.....	12.7	13.7	13.6	14.2	14.11	.....	14.20	13.65
26	12.6	12.9	.....	.....	12.7	13.7	13.6	14.1	14.05	.....	14.59	13.69
27	12.7	13.1	.....	.....	12.8	13.7	13.5	13.9	14.10	.....	14.40	13.70
28	13.3	13.0	.....	.....	12.7	13.8	13.6	13.8	14.08	.....	14.25	13.73
29	13.2	12.9	.....	.....	13.1	13.7	13.6	13.9	14.00	.....	13.87	13.73
30	13.1	.....	.....	.....	13.0	13.7	13.6	13.8	14.04	.....	14.30	13.33
31	12.8	.....	.....	.....	13.0	.....	13.5	13.7	.....	.....	.....	13.78

Cn-41. State Department of Conservation. In irregular sec. 41, T. 15 S., R. 4 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 inches, depth 460 feet. Land-surface datum is 2.33 feet above msl. Highest water level 2.22 below lsd, Sept. 28, 1950; lowest 4.10 below lsd, Sept. 20, 1951. Records available: 1950-52. May 3, 3.78; Oct. 2, 3.94.

Cn-42. State Department of Conservation. T. 15 S., R. 4 W. Drilled domestic artesian well in sand of Pleistocene age, diameter 4 inches, depth 460 feet. Land-surface datum is 2.01 feet above msl. Highest water level 2.40 below lsd, Mar. 9, 1951; lowest 5.53 below lsd, Sept. 20, 1951. Records available: 1950-52. May 3, 3.09; Oct. 2, 3.62.

## East Baton Rouge Parish

EB-4. Esso Standard Oil Co., Louisiana Division. N $\frac{1}{2}$  irregular sec. 44, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 698 feet, screen 337-438, 532-692. Land-surface datum is 67.07 feet above msl. Highest water level 104.0 below lsd, Mar. 7, 1946; lowest 234.1 below lsd, Sept. 15, 18, 1944. Records available: 1944-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	151.6	147.7	144.3	149.6	147.3	.....	.....	206.0	204.8	.....	180.91	.....
2	152.3	144.6	144.6	152.2	146.5	.....	.....	208.9	204.7	198.22	180.08	168.35
3	152.1	143.8	143.0	153.0	.....	.....	190.2	210.2	204.4	198.33	181.60	170.25
4	153.2	144.7	146.7	150.9	.....	.....	191.9	208.0	204.7	197.94	182.38	169.16
5	151.8	145.8	146.9	153.3	.....	.....	192.8	206.1	203.5	197.60	182.11	166.95
6	151.4	144.3	148.5	153.9	.....	163.8	193.2	206.2	201.0	197.27	177.78	169.12
7	153.9	145.5	150.6	154.4	.....	159.5	194.4	206.7	202.3	196.95	180.47	169.77
8	154.8	145.5	148.5	154.6	143.4	163.9	192.9	209.1	203.0	196.80	179.60	170.14
9	.....	143.9	149.2	155.1	143.5	162.8	193.9	208.1	204.5	196.78	179.04	169.67
10	153.8	146.0	147.0	154.9	144.3	160.0	194.4	208.7	205.2	196.67	179.02	169.05
11	154.3	144.7	.....	154.2	144.1	163.5	194.5	206.4	206.2	.....	175.50	169.23
12	154.0	146.2	.....	155.5	142.8	166.1	.....	208.1	206.1	197.18	174.12	168.86
13	153.8	146.5	148.8	153.2	145.0	166.7	.....	207.0	207.5	196.30	176.38	167.70
14	155.7	146.1	148.8	152.3	145.5	166.8	.....	207.0	209.5	196.19	175.12	168.07
15	153.9	146.3	.....	152.3	144.2	170.3	.....	206.1	208.0	.....	173.92	168.58
16	152.5	143.9	.....	147.8	148.7	170.2	.....	206.6	207.9	195.95	173.67	170.85
17	151.6	142.6	.....	147.9	152.0	172.9	196.4	206.9	205.5	195.59	171.72	168.25
18	154.7	144.0	.....	145.3	152.3	174.9	196.3	204.7	203.83	192.27	172.07	167.40
19	153.3	144.0	.....	.....	150.5	175.7	196.4	206.1	202.99	191.30	172.10	166.50
20	151.3	145.5	.....	.....	153.4	178.8	196.7	203.8	202.53	191.55	173.71	165.80
21	152.2	144.5	.....	148.3	155.3	.....	195.9	203.2	201.60	190.53	173.38	164.80
22	150.5	142.0	.....	148.4	157.1	.....	195.2	204.3	200.98	188.82	175.08	167.84
23	151.3	142.6	.....	149.5	155.1	.....	198.2	205.2	200.67	190.28	177.39	167.00
24	150.2	142.4	.....	.....	154.2	.....	199.4	205.9	200.37	188.66	.....	167.24
25	152.0	144.8	.....	149.5	154.3	.....	199.7	206.2	199.98	188.23	.....	165.41
26	151.2	146.2	.....	148.7	154.5	.....	200.5	206.2	199.77	187.45	.....	.....
27	151.3	145.1	.....	148.2	157.2	.....	201.1	206.4	201.71	187.23	.....	166.87
28	150.0	145.6	.....	147.9	159.3	.....	201.7	206.5	199.48	186.57	.....	165.95
29	148.9	144.1	149.0	149.0	161.0	.....	202.4	204.5	198.00	186.47	.....	165.59
30	148.1	.....	148.6	148.3	.....	.....	203.6	205.3	.....	182.95	.....	164.57
31	147.1	.....	149.8	.....	.....	.....	205.9	204.8	.....	180.52	.....	164.72

EB-15. Esso Standard Oil Co., Louisiana Division. N $\frac{1}{2}$  irregular sec. 44, T. 6 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene age, diameter 12 to 10 inches, depth 686 feet, screen 320-420, 511-879. Land-surface datum is 62.56 feet above msl. Highest water level 104.7 below lsd, Mar. 7, 1946; lowest 216.1 below lsd, Aug. 16, 1944. Records available: 1940-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	163.3	157.8	157.2	162.0	157.1	.....	.....	.....	.....	192.00	181.52	.....
2	163.2	157.3	157.6	162.4	156.9	.....	.....	.....	.....	193.30	180.50	.....
3	163.1	157.1	157.5	162.8	.....	.....	180.47	.....	.....	193.51	180.52	.....
4	162.8	157.3	159.1	162.5	.....	.....	180.75	.....	.....	192.22	181.87	.....
5	161.8	158.3	159.9	163.1	.....	.....	182.10	.....	.....	192.80	181.27	.....
6	160.9	157.7	160.0	162.5	.....	165.4	182.65	.....	.....	192.42	176.52	.....
7	160.2	157.6	159.9	162.3	.....	164.3	184.15	.....	.....	192.11	177.57	.....
8	160.3	157.1	159.8	162.0	.....	166.3	184.15	.....	.....	191.67	177.37	.....
9	160.7	157.2	159.5	162.4	.....	.....	184.32	.....	.....	191.51	177.10	.....
10	160.2	157.4	158.9	161.7	.....	165.1	184.20	.....	.....	191.50	177.81	.....
11	160.2	154.9	160.3	161.1	.....	167.4	184.02	.....	.....	191.45	176.03	.....
12	159.9	154.2	161.5	.....	.....	167.5	185.52	.....	.....	191.43	175.03	.....
13	159.6	153.3	161.1	.....	.....	167.4	186.10	.....	.....	190.53	176.34	.....
14	160.6	152.4	161.7	.....	.....	167.6	186.82	.....	.....	191.20	175.28	.....
15	160.7	152.7	161.1	.....	157.5	169.4	187.77	.....	.....	191.42	174.03	.....
16	160.1	152.0	161.3	159.2	.....	169.3	187.90	.....	.....	191.35	173.78	.....
17	159.4	150.8	161.6	161.1	.....	171.0	189.10	.....	.....	191.45	172.57	.....
18	160.7	150.4	161.1	159.1	.....	171.1	188.80	.....	.....	189.70	172.87	171.77
19	160.6	150.9	161.8	156.4	.....	172.1	188.52	.....	195.87	190.76	172.63	171.08
20	158.3	151.2	160.3	159.3	.....	173.1	188.30	.....	195.59	188.17	173.62	169.43
21	158.6	151.0	162.0	158.7	.....	.....	188.30	.....	194.95	188.00	.....	168.64
22	158.1	150.2	162.0	158.8	.....	.....	188.22	.....	194.38	187.27	.....	167.95
23	158.3	149.8	161.3	159.3	161.1	.....	187.15	.....	194.13	187.35	.....	165.85
24	157.6	149.5	161.7	.....	161.0	.....	.....	.....	193.90	187.15	.....	165.59
25	157.7	149.8	161.0	159.4	161.8	.....	.....	.....	193.93	166.80	.....	165.35
26	157.4	150.8	162.1	159.0	161.0	.....	.....	.....	193.78	186.18	.....	164.69
27	157.7	.....	161.9	158.4	161.4	.....	.....	.....	194.68	185.70	.....	164.96
28	157.3	156.0	161.3	158.0	161.9	.....	.....	.....	194.15	.....	.....	164.21
29	157.3	157.4	161.0	157.7	162.1	.....	.....	.....	193.54	184.52	.....	164.17
30	157.7	.....	160.6	157.1	163.7	.....	.....	.....	192.49	183.97	.....	163.85
31	157.0	.....	161.8	.....	.....	.....	.....	.....	.....	181.27	.....	163.72

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: 1944-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	154.3	153.1	150.0	154.6	151.6	.....	.....	.....	.....	202.87	186.72	175.00
2	154.9	151.2	150.6	156.4	151.6	.....	.....	.....	.....	202.90	184.22	174.32
3	154.1	150.6	149.7	156.8	.....	.....	.....	.....	.....	202.77	183.36	172.31
4	155.7	150.8	149.5	155.6	.....	.....	197.78	.....	.....	202.43	186.57	173.64
5	154.2	151.9	150.8	157.0	.....	.....	198.75	.....	.....	202.01	186.20	173.07
6	153.5	151.5	149.7	157.4	.....	168.2	199.40	.....	.....	201.57	183.49	173.18
7	155.6	151.9	150.2	157.7	.....	165.6	200.00	.....	.....	199.80	184.03	171.83
8	155.6	151.9	150.6	158.0	149.4	168.2	198.75	.....	.....	199.25	183.77	172.67
9	156.2	151.5	150.9	158.4	149.5	167.9	197.62	.....	.....	201.03	183.57	173.25
10	155.4	152.5	151.6	158.0	149.9	165.7	197.19	.....	.....	201.08	182.35	174.53
11	156.0	151.3	151.0	157.8	151.2	168.3	197.42	.....	.....	200.79	179.88	173.32
12	155.7	152.6	151.1	155.0	149.7	167.6	.....	.....	.....	201.29	178.58	173.48
13	155.6	151.0	151.0	153.8	151.0	170.3	.....	.....	.....	200.60	179.92	173.28
14	156.3	151.3	151.4	152.8	150.3	171.4	.....	.....	.....	200.15	178.92	171.68
15	155.1	151.3	150.5	152.8	150.4	173.1	.....	.....	.....	198.75	177.65	173.24
16	154.4	150.5	150.9	152.2	153.6	172.5	.....	.....	.....	198.53	177.22	173.50
17	153.2	149.4	151.2	153.1	157.2	175.2	.....	.....	.....	198.07	176.17	171.54
18	155.2	149.7	151.0	151.4	157.2	177.7	.....	.....	205.05	197.16	176.87	170.86
19	154.8	149.5	151.2	152.2	156.8	178.7	.....	.....	205.92	196.13	176.60	169.67
20	152.9	150.6	149.9	152.4	159.0	180.9	.....	.....	205.60	195.37	177.09	169.29
21	153.4	149.7	152.6	152.8	159.7	.....	.....	.....	204.75	194.12	177.07	168.63
22	152.4	148.6	152.5	153.3	161.2	.....	.....	.....	204.17	193.22	175.91	170.68
23	153.0	148.8	152.8	153.4	160.9	.....	.....	.....	.....	194.00	174.42	169.98
24	152.2	148.3	152.4	.....	160.1	.....	.....	.....	.....	192.51	175.22	169.94
25	153.4	149.8	152.3	154.3	159.9	.....	.....	.....	204.27	192.12	175.78	168.65

EB-20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	151.6	151.0	153.9	153.4	158.7	.....	.....	.....	203.98	189.86	176.58	168.18
27	151.6	151.3	154.4	152.9	161.4	.....	.....	.....	203.82	189.00	174.88	168.58
28	150.7	151.6	153.0	151.0	163.2	.....	.....	.....	201.85	188.37	174.88	167.74
29	152.9	150.5	155.0	153.0	164.0	.....	.....	.....	202.66	190.29	175.26	167.65
30	153.0	.....	154.2	152.0	164.2	.....	.....	.....	202.97	187.19	175.38	165.68
31	152.1	.....	154.3	.....	.....	.....	.....	.....	.....	184.63	.....	167.60

EB-22. Esso Standard Oil Co., Louisiana Division. At 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: 1940-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	155.3	162.8	160.7	151.3	.....	.....	199.98	194.44	200.90	184.21	175.57
2	.....	154.3	160.0	162.8	152.6	.....	.....	200.20	195.48	199.07	184.43	174.42
3	.....	153.9	162.5	161.5	.....	.....	.....	200.82	195.18	199.97	183.75	173.27
4	159.4	154.7	164.6	161.3	.....	.....	.....	198.25	196.07	198.55	182.43	173.95
5	.....	153.9	164.5	161.9	.....	.....	.....	196.60	.....	198.38	183.88	173.55
6	.....	154.0	161.6	161.2	.....	.....	.....	196.79	.....	196.84	180.81	173.83
7	.....	154.0	160.5	160.0	.....	169.2	.....	195.91	.....	198.12	180.12	173.67
8	.....	154.0	159.4	161.6	158.4	169.7	188.55	195.99	.....	196.23	181.34	173.48
9	.....	153.9	158.3	160.2	.....	170.0	188.50	193.78	.....	195.57	183.03	173.38
10	.....	154.3	158.4	159.7	.....	171.4	.....	195.68	.....	195.57	182.64	174.35
11	156.0	155.9	164.3	159.0	.....	169.7	188.02	194.98	.....	195.15	182.03	175.34
12	.....	157.5	159.8	159.0	.....	169.6	188.45	195.17	.....	194.73	181.33	175.44
13	.....	160.9	159.8	158.6	.....	170.8	189.15	193.87	.....	194.00	180.83	175.73
14	.....	163.7	159.8	158.9	.....	171.0	189.89	194.64	.....	192.95	179.13	174.69
15	.....	161.1	159.9	158.5	155.9	171.3	190.83	195.97	.....	192.48	178.09	177.53
16	.....	158.1	159.8	157.9	158.5	170.1	192.13	194.75	.....	193.83	177.08	177.62
17	.....	156.5	159.8	156.5	159.6	170.0	193.35	194.65	.....	193.15	178.57	176.89
18	.....	156.6	159.9	157.7	159.4	170.8	194.82	195.15	.....	191.05	179.62	177.38
19	.....	157.2	160.2	155.4	159.5	174.5	194.87	195.83	198.25	190.25	179.20	175.63
20	.....	158.7	159.7	154.5	159.6	176.4	194.68	194.92	198.02	189.28	173.33	174.45
21	.....	155.1	161.0	156.2	159.5	.....	194.70	195.27	197.47	187.25	176.56	172.72
22	.....	158.3	160.6	152.2	160.2	.....	194.75	194.0	197.15	186.90	176.38	172.49
23	.....	158.1	160.5	156.4	161.5	.....	195.47	193.21	197.23	188.13	177.62	173.00
24	155.6	157.9	160.2	.....	160.8	.....	196.72	193.20	197.96	186.58	176.43	172.51
25	156.4	159.3	160.6	157.5	160.1	.....	195.62	192.18	197.40	186.00	177.13	171.50
26	155.0	159.3	160.8	155.1	159.6	.....	196.45	191.80	198.32	185.38	177.37	170.85
27	154.8	160.0	158.7	154.1	161.1	.....	196.85	191.67	199.56	186.11	175.23	170.62
28	154.4	162.1	158.4	152.7	162.1	.....	198.30	191.00	198.45	186.78	174.41	169.74
29	154.8	162.6	158.7	152.9	162.2	.....	199.60	193.13	198.27	182.20	175.41	171.47
30	155.1	.....	161.5	152.5	163.5	.....	199.73	193.43	200.25	183.40	175.57	172.23
31	154.9	.....	160.4	.....	.....	.....	199.74	193.73	.....	183.42	.....	172.33

EB-28. Esso Standard Oil Co., Louisiana Division. At 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 44.05 below lsd, Nov. 9, 1952. Records available: 1944-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.9	34.9	32.5	31.6	31.4	.....	.....	41.27	42.70	42.81	43.45	42.75
2	34.9	34.7	32.4	31.4	31.4	.....	.....	41.23	42.33	42.99	43.46	42.87
3	35.0	.....	32.3	31.4	.....	.....	40.87	41.15	42.43	42.93	43.48	42.84
4	35.1	.....	32.2	31.4	.....	.....	40.90	41.12	42.55	42.95	43.34	42.95
5	34.9	.....	32.4	31.4	.....	.....	40.93	41.05	42.63	42.96	43.20	42.98
6	34.9	.....	32.5	31.4	.....	.....	40.96	41.02	42.76	42.89	43.21	43.03
7	34.8	34.1	32.5	31.3	.....	.....	40.82	41.04	42.74	42.87	43.34	43.12
8	34.7	34.0	32.5	31.3	32.4	.....	40.57	41.08	42.66	42.71	43.75	43.30
9	34.7	33.9	32.4	31.3	32.5	.....	40.39	41.22	42.66	42.59	44.04	43.39
10	34.8	33.8	32.3	31.4	32.5	.....	40.22	41.32	42.61	42.47	43.78	43.40
11	34.9	33.8	32.2	31.3	32.6	.....	40.35	41.41	42.57	42.61	43.91	43.30
12	34.9	33.8	32.4	31.3	32.5	.....	40.32	41.56	42.57	42.69	44.02	43.29
13	34.9	33.7	32.2	31.2	32.4	.....	40.41	41.64	42.62	42.79	44.01	43.29
14	34.6	33.6	32.1	31.1	32.5	36.6	40.51	41.59	42.61	42.85	43.83	43.48
15	34.7	33.4	32.0	31.1	32.8	36.8	40.68	41.63	42.46	42.91	43.73	43.60

## EB-28--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	34.8	33.3	31.9	31.2	33.1	37.1	41.10	41.98	42.45	42.98	43.63	43.35
17	34.9	33.2	31.7	31.3	33.1	37.2	41.47	42.04	42.47	42.92	43.12	43.06
18	35.0	.....	31.5	31.5	.....	37.5	41.19	42.22	42.50	42.98	43.17	42.93
19	35.1	.....	31.5	31.5	.....	37.9	40.85	42.59	42.47	42.93	43.30	43.07
20	35.0	.....	31.5	31.4	.....	38.3	41.01	42.82	42.53	42.93	43.45	43.10
21	34.9	32.7	31.5	31.3	.....	.....	41.10	42.74	42.57	42.85	43.46	42.96
22	34.9	32.6	31.5	31.4	.....	.....	41.18	42.90	42.58	42.80	43.27	43.26
23	35.0	32.4	31.5	31.4	.....	.....	41.12	43.20	42.54	43.00	43.24	41.50
24	35.2	32.3	31.4	.....	.....	.....	40.95	43.36	42.42	43.16	43.11	41.48
25	35.1	.....	31.4	31.3	.....	.....	40.84	43.44	42.32	43.08	43.14	41.28
26	35.1	.....	31.5	31.4	.....	.....	40.54	43.35	42.29	43.00	43.19	40.69
27	35.0	.....	31.7	31.5	.....	.....	40.32	43.15	42.23	42.85	43.27	40.69
28	35.0	32.5	31.7	31.5	.....	.....	40.51	43.03	42.16	43.00	43.67	40.71
29	35.0	32.5	31.8	31.4	.....	.....	40.76	42.92	42.33	43.26	42.63	40.72
30	35.0	.....	31.8	31.3	.....	.....	41.11	42.87	42.57	43.42	42.55	40.80
31	35.0	.....	31.7	.....	.....	.....	41.28	42.83	.....	43.44	.....	40.99

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 Pleistocene 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 54.82 below lsd, Oct. 1, 1952. Records available: 1943-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	53.40	47.00	.....
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	h53.99	.....	.....
3	h24.93	.....	.....	.....	.....	.....	.....	.....	.....	53.65	46.46	.....
4	.....	.....	.....	h23.34	.....	.....	.....	.....	.....	50.49	46.62	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	49.50	45.88	34.18
6	.....	.....	h22.91	.....	.....	.....	.....	.....	.....	51.00	45.89	.....
7	.....	h22.77	.....	.....	.....	.....	.....	.....	.....	48.52	44.27	.....
8	.....	.....	.....	.....	h28.65	.....	.....	.....	.....	47.73	42.37	.....
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.20	42.76	.....
10	h25.73	.....	.....	.....	.....	.....	.....	.....	.....	46.72	42.02	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.08	42.01	33.29
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	45.59	41.89	33.14
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.80	41.90	32.99
14	.....	h23.05	.....	.....	.....	.....	.....	.....	.....	47.60	41.46	32.67
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.87	41.39	32.37
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.90	.....	33.24
17	h24.95	.....	.....	.....	.....	.....	.....	.....	.....	47.90	.....	33.24
18	.....	.....	.....	.....	.....	.....	.....	.....	h50.43	48.30	.....	33.23
19	.....	.....	.....	.....	.....	.....	.....	.....	50.22	45.64	.....	33.40
20	.....	.....	.....	.....	.....	.....	.....	.....	50.25	47.65	h40.12	33.27
21	.....	h23.41	.....	.....	.....	.....	.....	.....	50.17	46.65	40.03	33.00
22	.....	.....	.....	.....	.....	.....	.....	.....	52.40	47.00	39.98	33.27
23	.....	.....	.....	.....	.....	.....	.....	.....	49.99	47.14	.....	33.27
24	h24.87	.....	.....	.....	.....	.....	.....	.....	49.95	47.10	.....	33.78
25	.....	.....	.....	.....	.....	.....	.....	.....	50.15	47.43	.....	33.33
26	.....	.....	.....	.....	.....	.....	.....	.....	50.43	47.20	.....	32.88
27	.....	.....	.....	.....	.....	.....	.....	.....	52.24	47.55	.....	29.66
28	.....	h22.58	.....	.....	.....	.....	.....	.....	51.18	47.65	.....	31.90
29	.....	.....	.....	.....	.....	.....	.....	h46.35	53.10	47.22	.....	31.74
30	.....	.....	.....	.....	.....	.....	.....	.....	52.80	47.10	.....	31.80
31	h23.43	.....	.....	.....	.....	.....	.....	.....	.....	47.14	.....	31.59

h Tape measurement.

EB-117. Westdale Country Club. 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 15.63 below lsd, Oct. 2, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.70	Feb. 21	8.79	Oct. 2	15.63	Nov. 20	14.19
10	9.53	28	8.44	9	15.94	28	14.19
17	9.50	Mar. 6	8.27	16	14.10	Dec. 4	13.98
24	9.43	Apr. 4	6.70	23	14.26	12	13.87
31	9.38	May 8	7.44	30	14.38	18	13.83
Feb. 7	9.15	Aug. 29	12.90	Nov. 6	14.41	23	13.64
14	9.03	Sept. 24	13.54	13	14.31	31	13.31

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: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	85.03	Feb. 28	77.15	Oct. 2	140.01	Nov. 20	106.50
10	84.03	Mar. 6	77.41	9	138.26	28	102.42
17	83.92	Apr. 4	77.69	16	135.59	Dec. 4	101.45
24	83.38	11	78.69	23	136.27	12	99.57
Feb. 7	81.03	May 8	103.79	30	135.32	18	98.78
14	79.04	Aug. 29	141.42	Nov. 6	130.34	23	97.82
21	78.30	Sept. 25	140.80	13	130.70	31	96.32

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 117.10 below lsd, Oct. 7-8, 1949. Records available: 1940-52.

Jan. 3	h92.89	Sept. 27	114.26	Nov. 9	107.88	Nov. 25	105.51
10	h91.92	28	114.12	10	107.65	26	105.50
24	h89.59	29	114.0	11	107.57	27	105.40
31	h90.14	30	113.83	12	107.47	29	105.14
Feb. 7	h89.12	Oct. 1	113.68	13	107.31	30	105.10
14	h87.88	2	113.61	14	107.22	Dec. 1	105.10
21	h86.57	9	h112.78	15	107.10	2	104.82
28	h85.49	10	112.76	16	106.97	3	105.64
Apr. 11	h84.34	16	h112.28	17	106.78	4	104.55
May 8	h83.37	17	112.25	18	106.59	5	104.55
Aug. 6	h109.33	23	111.44	19	106.38	6	104.36
29	h117.76	30	110.06	20	106.27	12	103.47
Sept. 23	h114.73	31	109.92	21	106.13	13	103.33
24	114.66	Nov. 1	109.79	22	105.99	19	102.56
25	114.50	7	108.39	23	105.91	23	101.78
26	114.34	8	108.12	24	105.73	31	100.68

h Tape measurement.

EB-160. Southern University Blind Institute. Scotlandville. 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 22.29 below lsd, Nov. 28, 1952. Records available: 1949-52.

Jan. 3	15.38	Feb. 21	14.38	Oct. 2	20.99	Nov. 20	21.89
10	14.79	28	13.13	9	20.73	28	22.29
17	15.44	Mar. 6	12.45	16	20.68	Dec. 5	21.90
24	15.35	Apr. 4	12.32	23	20.63	11	21.48
31	15.34	May 8	12.50	30	20.88	18	21.21
Feb. 7	15.01	Aug. 28	19.35	Nov. 5	20.90	24	20.95
14	14.72	Sept. 25	20.80	13	21.66	31	20.56

EB-289. Baton Rouge Water Works Co. Irregular sec. 50, T. 6 S., R. 1 W. Drilled public-supply well, diameter 4 inches, depth 1,404 feet. Highest water level 15.78 below lsd, Feb. 1, 1950; lowest 27.30 below lsd, Oct. 30, 1952. Records available: 1949-52.

Jan. 3	22.20	Feb. 21	18.95	Oct. 2	26.83	Nov. 20	26.33
10	20.81	28	17.87	9	26.85	28	25.64
17	21.31	Mar. 6	18.67	16	26.93	Dec. 5	25.00
24	21.70	Apr. 11	17.35	23	27.14	11	25.30
31	21.09	May 8	20.50	30	27.30	18	25.49
Feb. 7	20.13	Aug. 28	26.16	Nov. 5	26.59	24	25.30
14	19.88	Sept. 25	26.32	13	26.15	31	24.49

EB-293. Consolidated Chemical Industries, Inc. 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 196.7 below lsd, Sept. 6, 1948. Records available: 1944-52.

## EB-293--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	127.7	.....	124.9	.....	.....	.....	.....	187.1	182.47	173.22	189.72
2	.....	127.6	.....	124.5	120.2	.....	.....	.....	186.9	182.78	174.01	189.48
3	.....	127.3	.....	124.5	120.1	.....	.....	.....	187.0	182.83	174.34	190.00
4	127.2	127.1	.....	124.5	120.0	.....	.....	.....	187.4	182.48	174.42	190.50
5	127.5	127.0	.....	.....	119.7	.....	.....	.....	187.9	182.41	175.01	190.32
6	127.5	126.7	124.5	.....	.....	.....	.....	.....	188.3	182.22	171.57	190.20
7	.....	125.8	.....	.....	.....	.....	.....	.....	188.6	182.00	173.67	190.45
8	.....	125.7	.....	.....	119.3	.....	172.70	.....	188.1	181.60	174.03	191.25
9	.....	125.8	.....	.....	119.1	.....	174.05	.....	185.8	181.37	174.42	192.10
10	.....	125.4	.....	.....	119.5	.....	174.33	.....	184.4	181.27	174.42	192.70
11	127.6	125.4	.....	122.6	120.2	.....	174.64	.....	183.2	181.33	174.86	190.00
12	127.7	125.2	.....	122.3	121.1	.....	175.10	.....	183.1	181.30	173.30	191.35
13	127.8	125.2	.....	.....	121.4	.....	.....	.....	182.6	181.67	.....	191.47
14	127.8	123.4	.....	.....	121.7	145.2	.....	.....	180.9	181.90	184.07	192.37
15	.....	121.6	.....	.....	.....	145.7	.....	.....	180.3	181.74	185.00	191.90
16	.....	121.7	.....	.....	.....	146.7	.....	.....	179.2	180.43	184.75	192.68
17	127.1	122.4	.....	.....	.....	148.0	.....	.....	179.52	179.83	185.15	194.60
18	127.0	122.3	.....	.....	.....	151.0	.....	.....	178.24	174.27	187.53	197.70
19	127.0	122.4	.....	.....	.....	154.6	.....	.....	178.52	171.44	187.31	197.27
20	127.0	122.4	122.4	.....	.....	158.2	.....	.....	179.58	170.07	187.72	198.05
21	.....	.....	122.2	.....	.....	.....	.....	.....	180.93	169.36	187.56	197.29
22	.....	.....	122.3	.....	.....	.....	.....	.....	181.50	168.33	187.88	197.53
23	.....	.....	122.7	.....	.....	.....	.....	.....	181.74	167.50	188.17	198.17
24	126.0	.....	122.8	.....	.....	.....	.....	.....	182.06	168.39	189.17	197.90
25	126.0	.....	122.6	120.6	.....	.....	.....	.....	181.53	168.60	188.81	.....
26	127.4	.....	122.6	.....	.....	.....	.....	.....	181.89	169.08	188.34	.....
27	.....	.....	122.6	.....	.....	.....	.....	.....	181.43	169.33	188.82	.....
28	.....	125.5	122.7	.....	.....	.....	.....	.....	181.95	169.75	189.24	.....
29	.....	.....	123.9	.....	.....	.....	.....	186.0	182.30	169.98	189.54	.....
30	.....	.....	124.1	.....	.....	.....	.....	186.0	182.52	170.51	189.47	.....
31	127.8	.....	124.2	.....	.....	.....	.....	187.1	.....	171.40	.....	.....

EB-295. Wood River Oil and Refining Company. 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 26.39 below lsd, Dec. 31, 1952; lowest 28.69 below lsd, Nov. 28, 1952. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6	26.85	Nov. 21	28.34	Dec. 6	27.74	Dec. 19	26.86
14	28.04	22	28.40	7	27.64	20	26.94
15	28.12	23	28.52	8	27.54	21	27.03
16	28.17	24	28.50	9	27.38	22	26.88
17	28.19	25	28.54	10	27.36	23	26.81
18	28.31	28	28.67	11	28.30	24	26.66
19	28.30	29	28.57	12	27.22	31	26.39
20	28.25	Dec. 5	27.88	18	27.10		

EB-302. H. A. Bozeman. NW. corner 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. 24, 1943; lowest 10.95 above lsd, July 3, 1951. Records available: 1943-44, 1946-51. No measurement made in 1952.

EB-303. Greenwell Springs Sanitarium. 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 1952.

EB-304. Greenwell Springs Sanitarium. 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: 1943-47, 1949-51. No measurement made in 1952.

EB-312. Johnny Ross. North Highlands Subdivision, Baton Rouge. Drilled unused artesian well in sand of Pleistocene age, diameter 4 to 2 $\frac{1}{2}$  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: 1943-52.



## EB-312--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.73	Feb. 21	16.73	Oct. 2	26.27	Nov. 20	26.00
10	18.78	28	16.17	9	26.22	Dec. 5	24.61
17	18.78	Mar. 6	16.13	16	27.18	11	24.73
24	18.98	Apr. 4	14.95	23	26.91	18	25.31
31	18.69	May 5	18.00	30	27.06	24	24.69
Feb. 7	18.00	Aug. 29	25.55	Nov. 6	26.37	31	24.65
14	17.61	Sept. 24	25.13	13	26.59		

EB-315. 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 20.25 below lsd, Sept. 20, 1948. Records available: 1943-52.

Jan. 3	7.12	Feb. 21	5.62	Sept. 25	26.51	Nov. 13	20.68
10	7.03	28	5.03	Oct. 9	25.12	20	20.75
17	6.80	Mar. 6	5.24	16	23.45	28	18.98
31	6.22	Apr. 4	5.02	23	22.68	Dec. 5	18.08
Feb. 7	5.67	May 8	6.86	30	22.32	11	17.18
14	5.46	Aug. 28	21.93	Nov. 6	21.71	31	14.47

EB-317. H. H. Edwards. SW $\frac{1}{4}$  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 1952.

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. No measurement made in 1952.

EB-322. T. E. Charlton. SE $\frac{1}{4}$  sec. 29, T. 5 S., R. 1 E. Drilled domestic artesian well in sand of Pleistocene age, diameter 2 $\frac{1}{2}$  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 1952.

EB-323. Standard Ice Box Co. 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 32.99 below lsd, Nov. 5, 1952. Records available: 1943-44, 1946-52.

Jan. 3	24.53	Feb. 21	17.20	Sept. 24	33.18	Nov. 13	32.06
10	23.84	28	16.67	Oct. 2	33.39	20	31.12
17	23.94	Apr. 4	17.01	9	32.47	28	30.50
24	22.69	16	18.52	16	31.43	Dec. 4	29.53
31	22.32	May 8	16.83	23	26.25	11	28.24
Feb. 7	22.15	15	17.49	30	32.86	18	27.49
14	18.37	Aug. 28	35.36	Nov. 5	32.99	31	26.59

EB-468. A. M. Holden. E $\frac{1}{2}$  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 60.6 above lsd, Mar. 17, 1950. Records available: 1948-51. No measurement made in 1952.

EB-469. A. M. Holden. E $\frac{1}{2}$  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 17.39 below lsd, Nov. 28, 1952. Records available: 1948-52.

Jan. 3	12.24	Feb. 21	12.34	Oct. 2	16.59	Nov. 20	17.05
10	12.71	28	13.17	9	16.68	28	17.39
17	12.92	Mar. 6	12.15	16	16.74	Dec. 5	17.35
24	12.95	Apr. 4	11.50	23	16.83	11	17.30
31	12.82	May 8	11.61	30	16.89	18	17.19
Feb. 7	12.74	Aug. 28	15.70	Nov. 6	16.84	24	17.02
14	12.50	Sept. 25	16.52	13	16.94	31	16.67

EB-474. U. S. Geol. Survey. Watson farm. Sec. 57, T. 5 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: 1948-52.

## EB-474--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	12.03	Aug. 29	13.04	Oct. 9	13.64	Oct. 30	13.83
Feb. 28	12.65	Sept. 25	13.41	16	13.74	Nov. 28	13.98
May 28	12.39	Oct. 2	13.59	23	13.84	Dec. 31	13.67

## 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 97.38 below lsd, July 16, 1951. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1951	73.86	Dec. 4, 1951	70.39	Jan. 30, 1952	65.78	Sept. 29, 1952	77.99
14	72.58	11	69.82	Mar. 5	63.82	Nov. 12	74.33
20	72.24	18	68.96	Apr. 30	61.33	Dec. 19	70.11
27	68.32	27	68.36				

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 115.06 below lsd, July 25, 1951. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1951	85.34	Dec. 4, 1951	83.42	Jan. 30, 1952	74.39	Sept. 29, 1952	94.01
14	83.75	11	80.00	Mar. 5	71.53	Nov. 12	86.81
20	83.14	18	79.02	Apr. 30	68.79	Dec. 22	80.53
27	82.07	27	78.00				

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 36.61 below lsd, Nov. 28, 1952. Records available: 1944-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.4	35.4	35.3	35.1	35.0	35.1	35.5	35.63	.....	36.16	.....	35.58
2	35.5	35.2	35.2	35.2	35.0	35.1	35.49	35.64	.....	36.18	.....	35.58
3	35.5	35.2	35.2	35.2	35.0	35.1	35.50	35.65	.....	36.20	.....	35.59
4	35.4	35.3	35.3	35.0	35.0	35.1	35.52	35.66	.....	36.20	.....	35.54
5	35.4	35.4	35.3	35.2	35.0	35.1	35.53	35.68	.....	36.20	36.47	35.59
6	35.5	35.4	35.3	35.2	35.0	35.1	35.54	35.68	.....	36.21	36.47	35.59
7	35.5	35.4	35.3	35.2	35.0	35.1	35.56	35.68	.....	36.22	36.48	35.59
8	35.4	35.4	35.3	35.2	35.0	35.1	35.56	35.69	.....	36.22	36.48	35.59
9	35.4	35.4	35.2	35.1	35.0	35.1	35.57	35.69	.....	36.23	36.48	35.56
10	35.5	35.4	35.1	35.1	35.1	35.2	35.57	35.69	.....	36.24	36.45	36.60
11	35.5	35.4	35.3	35.1	35.1	35.2	35.58	35.70	.....	36.25	36.50	36.60
12	35.5	35.3	35.2	35.0	35.1	35.2	35.60	35.71	.....	36.25	36.50	36.60
13	35.4	35.3	35.2	34.9	35.1	35.2	35.62	35.71	.....	36.26	36.50	36.60
14	35.4	35.3	35.2	35.1	35.1	35.2	35.62	35.72	.....	36.27	36.51	36.60
15	35.4	35.3	35.2	35.1	35.1	35.2	35.62	.....	.....	36.28	36.52	36.60
16	35.5	35.3	35.3	35.1	35.1	35.2	35.45	.....	.....	36.29	36.53	36.60
17	35.5	35.4	35.2	35.1	35.1	35.3	35.54	.....	.....	36.30	36.53	36.60
18	35.5	35.4	35.1	35.1	35.1	35.3	35.58	.....	.....	36.31	36.45	36.60
19	35.5	35.3	35.2	35.1	35.0	35.3	35.57	.....	.....	36.31	36.55	36.54
20	35.5	35.3	35.2	35.1	35.0	35.3	35.58	.....	.....	36.32	36.56	36.50
21	35.5	35.4	35.2	35.1	35.1	35.3	35.60	.....	.....	36.34	36.58	36.52
22	35.5	35.3	35.1	35.1	35.1	35.3	35.61	.....	.....	36.34	36.59	36.46
23	35.5	35.2	35.2	34.9	35.1	35.4	35.63	.....	.....	36.34	36.59	36.52
24	35.5	35.3	35.2	35.0	35.1	35.4	35.64	.....	.....	36.34	36.59	36.53
25	35.5	35.3	35.2	35.0	35.1	35.4	35.64	.....	.....	36.35	36.58	36.52
26	35.5	35.3	35.2	35.0	35.1	35.4	35.64	.....	.....	36.36	36.61	36.53
27	35.5	35.4	35.2	35.0	35.1	35.5	35.65	.....	.....	36.36	36.61	36.52
28	35.5	35.2	35.2	35.0	35.1	35.5	35.65	.....	.....	36.38	36.61	36.52
29	35.5	35.2	35.2	35.0	35.1	35.5	35.66	.....	36.15	36.38	35.54	36.51
30	35.5		35.2	35.0	35.1	35.5	35.64	.....	36.16	36.38	35.58	36.46
31	35.5		35.1		35.1		35.60	.....	.....	.....		36.46

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 79.81 below lsd, May 19, 1950. Records available: 1950-52. Jan. 30, 74.17; Sept. 29, 77.05.

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 69.05 below lsd, Sept. 19, 1951. Records available: 1944-52. May 1, 50.47; Sept. 30, 68.68.

Ev-23. Mrs. A. Swallow. Sec. 26, T. 5 S., R. 2 W. Drilled irrigation artesian well in sand of Pleistocene age, diameter 8 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: 1946-52. Apr. 30, 50.35; Sept. 30, 66.94.

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 32.97 below lsd, Dec. 15, 1952. Records available: 1945-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.4	32.4	32.4	32.2	31.7	31.6	.....	.....	.....	32.62	.....	.....
2	32.4	32.3	32.3	32.2	31.7	31.6	.....	.....	.....	32.62	.....	.....
3	32.4	32.3	32.3	32.2	31.7	31.6	.....	.....	.....	32.63	.....	.....
4	32.4	32.4	32.4	32.2	31.7	.....	.....	.....	.....	32.63	.....	.....
5	32.4	32.4	32.3	32.2	31.7	31.6	.....	.....	.....	32.63	32.81	.....
6	32.4	32.4	32.3	32.1	31.7	31.6	.....	.....	.....	32.65	32.81	.....
7	32.4	32.4	32.3	32.2	31.7	31.6	.....	.....	.....	.....	32.82	.....
8	32.4	32.4	32.3	32.1	31.7	31.6	.....	.....	.....	.....	32.82	.....
9	32.4	32.4	32.3	32.2	31.7	31.6	.....	.....	32.53	.....	32.82	32.95
10	.....	32.4	32.3	31.9	31.7	31.6	.....	.....	32.53	.....	32.84	32.95
11	.....	32.4	32.4	31.9	31.7	31.6	.....	.....	32.53	.....	32.85	32.95
12	.....	32.3	32.3	31.3	31.7	31.6	.....	.....	32.53	.....	32.85	32.95
13	.....	32.3	32.3	31.8	31.7	31.6	.....	.....	32.54	.....	.....	32.96
14	.....	32.3	32.3	32.0	31.7	31.6	32.10	.....	32.54	.....	.....	32.97
15	32.4	32.3	32.3	32.0	31.7	31.6	32.11	.....	33.55	.....	.....	32.97
16	32.4	32.4	.....	32.0	31.7	31.6	32.11	.....	33.55	.....	.....	.....
17	32.4	32.4	.....	32.0	31.7	31.6	32.12	.....	.....	.....	.....	.....
18	32.4	32.4	.....	32.0	31.7	.....	32.12	.....	.....	.....	.....	.....
19	32.4	32.3	.....	31.9	31.7	.....	32.12	.....	.....	.....	.....	.....
20	32.4	32.4	.....	31.9	31.7	.....	32.12	.....	.....	.....	.....	.....
21	32.4	32.4	.....	31.9	31.7	.....	32.12	.....	.....	.....	.....	.....
22	32.4	32.3	.....	31.9	31.7	.....	.....	.....	.....	.....	.....	33.00
23	32.4	32.4	.....	31.3	31.7	.....	.....	.....	.....	.....	.....	33.01
24	32.4	32.3	.....	31.8	31.7	.....	.....	.....	.....	.....	.....	33.01
25	32.4	32.3	32.2	31.8	31.7	.....	.....	.....	.....	.....	.....	33.01
26	32.4	32.4	32.2	31.8	31.7	.....	.....	.....	.....	.....	.....	33.03
27	32.4	.....	32.2	31.8	31.7	.....	.....	.....	.....	.....	.....	33.03
28	32.4	.....	32.2	31.8	31.6	.....	.....	.....	.....	.....	.....	33.03
29	32.4	.....	32.2	31.8	31.6	.....	.....	.....	32.62	.....	.....	33.03
30	32.4	.....	32.2	31.7	31.6	.....	.....	.....	32.62	.....	.....	.....
31	32.4	.....	32.2	.....	31.6	.....	.....	.....	.....	.....	.....	.....

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: 1945-52. Feb. 19, 34.19; Apr. 8, 33.91; May 12, 33.69.

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: 1949-52. Jan. 30, 67.72; Mar. 5, 65.03; Apr. 30, 63.87; Sept. 30, 62.48; Nov. 12, 90.58; Dec. 22, 73.79.

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 above msl. Highest water level 54.85 below lsd, Mar. 12, 1947; lowest 88.45 below lsd, Sept. 7, 1948. Records available: 1947-52. Apr. 30, 74.44; Sept. 29, 88.22.

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 85.10 below lsd, Sept. 29, 1952. Records available: 1949-52. Apr. 30, 82.19; Sept. 29, 85.10.

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 27.9 below lsd, May 1-2, 1950; lowest 72.41 below lsd, June 21, 1949. Records available: 1947-52. Apr. 30, 45.12; Sept. 30, 69.07.

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, 1950; lowest 54.1 below lsd, July 22, 1951. Records available: 1948-52.

Daily noon water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	36.1	34.6	33.5	....	32.3	41.7
2	36.1	34.2	33.5	....	32.3	41.8
3	36.0	34.1	33.4	....	....	41.9
4	35.9	34.1	33.4	....	....	42.1
5	35.9	34.3	33.5	....	....	42.3
6	35.8	34.4	33.5	....	....	42.8
7	35.8	34.4	33.5	....	....	43.0
8	35.7	34.4	33.4	....	....	42.9
9	35.6	34.3	33.4	....	....	43.0
10	35.6	34.3	33.2	....	....	43.3
11	35.6	34.2	33.2	....	....	43.7
12	35.6	34.1	33.2	....	....	44.1
13	35.5	34.1	33.2	....	....	44.6
14	35.4	34.1	33.2	....	....	45.0
15	35.4	34.0	33.2	....	....	45.3
16	35.3	33.9	33.2	32.4	....	45.7
17	35.2	33.9	33.2	32.5	....	46.6
18	35.2	33.9	33.0	32.5	....	47.5
19	35.2	33.9	....	32.4	....	48.3
20	35.1	33.9	....	32.4	....	48.9
21	35.1	33.9	....	32.4	....	49.5
22	35.0	33.9	....	32.3	....	50.0
23	35.0	33.9	....	32.0	....	50.3
24	35.0	....	....	31.5	....	50.6
25	34.9	....	....	31.5	....	....
26	34.9	....	....	31.8	....	....
27	34.8	....	....	32.1	....	....
28	34.7	....	....	32.3	40.6	....
29	34.7	....	....	32.3	41.2	....
30	34.7	....	....	32.4	41.4	....
31	34.7	....	....	....	41.6	....

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

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 92.51 below lsd, July 21, 1951. Records available: 1949-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	57.7	54.9	53.2	51.7	51.2	66.8	90.0	78.53	.....	71.83	.....	62.79
2	57.6	54.7	53.1	51.7	51.8	66.6	91.1	78.35	.....	71.98	.....	62.64
3	57.5	54.6	53.0	51.6	53.7	67.1	91.5	78.40	.....	71.57	.....	62.46
4	57.4	54.6	53.0	51.4	54.7	67.2	91.8	79.30	.....	71.36	.....	62.24
5	57.3	54.6	53.0	51.5	55.5	69.1	91.9	80.20	.....	71.13	67.53	62.17
6	57.2	54.5	53.0	51.5	56.1	70.6	92.4	80.05	.....	70.97	67.33	62.00
7	57.1	54.6	53.0	51.5	57.1	72.2	92.5	80.35	.....	70.79	67.18	.....
8	56.9	54.5	52.9	51.4	58.9	74.7	92.5	81.60	.....	70.61	67.04	.....
9	56.8	54.4	52.8	51.4	60.3	75.4	92.7	83.14	78.64	70.63	66.77	61.50
10	56.8	54.4	52.6	51.3	62.2	75.9	91.6	83.68	78.78	70.61	66.45	61.43
11	56.8	54.3	52.6	51.3	64.0	76.8	91.6	84.10	79.80	70.49	66.34	61.32
12	56.6	54.2	52.6	51.2	65.5	77.5	91.6	84.30	79.17	70.73	66.20	61.17
13	56.5	54.1	52.5	51.1	68.3	78.5	91.6	83.52	78.92	70.24	66.00	61.04
14	56.4	54.1	52.5	51.1	69.9	79.4	91.55	83.33	78.75	70.20	65.86	60.93
15	56.3	53.9	52.5	51.1	71.1	80.4	91.60	.....	78.30	69.82	65.57	60.83

## Ev-229--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	56.2	53.9	52.5	51.1	72.1	81.3	90.92	.....	77.13	69.58	65.38	60.70
17	56.1	53.9	52.4	51.1	73.0	82.2	88.70	.....	76.30	69.45	65.20	60.53
18	56.1	53.9	52.3	51.1	74.6	82.7	87.30	.....	75.63	70.03	64.85	60.40
19	55.9	53.8	52.3	51.1	71.2	82.7	86.47	.....	75.16	70.46	64.74	60.14
20	55.9	53.7	52.2	51.0	68.9	83.4	85.85	.....	74.72	70.60	64.60	60.08
21	55.7	53.7	52.2	51.0	67.5	83.3	85.28	.....	74.34	70.54	64.46	59.56
22	55.6	53.6	52.1	51.0	67.3	82.8	83.90	.....	74.02	70.09	64.30	59.80
23	55.6	53.5	52.1	50.8	67.3	82.7	82.95	.....	73.78	69.90	64.17	59.73
24	55.6	53.5	52.1	50.8	66.2	83.9	82.10	.....	73.46	69.62	63.93	59.67
25	55.5	53.4	52.1	50.7	65.6	85.0	81.25	.....	73.30	69.73	63.69	59.57
26	55.4	53.4	52.0	50.6	65.5	85.8	80.60	.....	72.98	69.15	63.64	59.50
27	55.3	53.4	52.0	50.6	66.4	86.8	80.12	.....	72.78	68.90	63.54	59.40
28	55.2	53.3	52.0	50.7	67.4	87.5	79.58	.....	72.57	68.63	63.40	59.30
29	55.2	53.2	51.9	50.7	66.6	87.9	74.10	.....	72.38	.....	63.13	59.15
30	55.1	.....	51.9	50.9	65.8	88.8	78.82	.....	72.08	.....	63.02	58.87
31	55.1	.....	51.8	.....	67.2	.....	78.72	.....	.....	.....	.....	58.84

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 79.68 below lsd, Sept. 29, 1952. Records available: 1949-52. Apr. 30, 75.73; Sept. 29, 79.68.

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 53.9 feet. Land-surface datum is 95.58 feet above msl. Highest water level 41.37 below lsd, Dec. 9, 1952; lowest 41.53 below lsd, Dec. 31, 1952. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 8	41.38	Dec. 15	41.43	Dec. 22	41.47	Dec. 27	41.49
9	41.37	16	41.44	23	41.48	28	41.50
10	41.39	17	41.45	24	41.48	29	41.48
11	41.39	18	41.45	25	41.49	30	41.42
12	41.40	19	41.48	26	41.48	31	41.53

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 31.93 below lsd, Sept. 3, 1952. Records available: 1938-45, 1950-52. Jan. 11, 27.63; Feb. 8, 26.45; Apr. 5, 26.96; June 18, 27.81; Sept. 3, 31.93; Oct. 10, 31.80; Dec. 5, 29.91.

G-27. 4-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: 1938-47, 1949-52. Jan. 8, +2.49; Feb. 5, +2.49; June 16, +2.47; Aug. 26, +2.29; Oct. 10, +2.10; Dec. 1, +2.23.

G-121. John Hamberlin. Town of Boyce. 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. Jan. 11, 10.11; Feb. 8, 7.05; Apr. 5, 2.36; June 19, 7.69; Sept. 3, 12.16.

G-127. Formerly R-381. 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: 1942-52. Jan. 29, 67.27; Feb. 24, 67.28; Mar. 25, 67.42; June 25, 67.53; July 28, 67.58; Aug. 26, 67.76; Sept. 22, 67.89.

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 9.64 below lsd, Sept. 26, 1951. Records available: 1944-52. Apr. 30, 8.02.

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 359-512. Highest water level 57.6 below lsd, Feb. 14, 1950; lowest 119.2 below lsd, Oct. 5, 1946. Records available: 1945-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	95.8	.....	80.3	82.9	.....	100.9	85.7	105.7	111.32	114.63	114.07	113.48
2	93.4	.....	80.2	84.9	.....	102.2	84.6	106.0	105.93	114.72	113.98	113.38
3	92.0	.....	80.1	87.5	.....	103.1	83.7	106.1	101.87	114.83	113.94	113.30
4	91.0	.....	80.0	89.2	84.4	103.8	82.9	106.4	103.45	114.89	113.93	113.18
5	90.2	.....	80.0	86.5	87.2	104.2	82.0	106.7	106.47	114.99	113.89	113.13
6	89.6	.....	80.0	84.1	88.8	.....	81.3	107.0	108.23	115.08	113.85	112.85
7	89.0	.....	80.0	82.8	89.9	.....	80.6	107.2	109.28	115.21	113.82	111.79
8	88.4	.....	79.9	81.9	86.4	.....	79.8	107.4	109.95	115.29	113.80	110.77
9	88.0	83.2	79.8	81.2	84.0	.....	79.1	107.7	110.43	115.35	113.74	109.94
10	87.7	83.0	79.5	80.7	82.7	.....	78.5	107.9	110.78	115.43	113.63	109.68
11	89.1	82.8	79.4	80.3	81.9	.....	81.2	108.1	108.48	115.49	113.60	110.28
12	88.6	82.5	81.0	.....	80.7	.....	.....	108.4	106.50	115.52	113.58	110.75
13	87.6	82.3	84.4	.....	84.0	.....	.....	108.6	105.35	115.55	113.55	111.15
14	87.1	82.1	84.2	.....	86.9	.....	.....	108.8	104.53	115.59	113.50	111.45
15	.....	.....	82.4	.....	88.7	.....	.....	109.0	105.43	115.61	113.47	111.69
16	.....	.....	81.5	.....	89.9	.....	.....	109.2	107.33	115.66	113.50	111.87
17	.....	.....	80.9	.....	92.3	.....	.....	109.4	108.63	115.68	113.52	111.98
18	.....	.....	80.6	.....	95.9	.....	.....	109.8	109.45	115.47	113.53	112.06
19	.....	.....	.....	.....	98.3	107.5	.....	109.8	110.06	115.22	113.52	112.10
20	.....	.....	.....	.....	99.6	107.6	.....	109.9	110.58	115.00	113.57	112.10
21	.....	.....	.....	.....	98.2	107.8	.....	110.0	110.92	114.82	113.64	112.14
22	.....	81.0	.....	.....	97.0	107.7	.....	110.2	111.02	114.70	113.68	111.88
23	.....	80.9	.....	.....	98.4	102.1	.....	110.3	112.52	114.59	113.70	106.85
24	.....	80.8	.....	.....	98.3	97.9	102.9	110.4	113.70	114.52	113.70	102.50
25	.....	80.7	83.8	.....	97.3	95.0	103.3	110.6	114.39	114.43	113.63	100.05
26	.....	80.7	82.9	.....	99.0	92.7	103.7	110.7	114.47	114.36	113.61	99.00
27	.....	80.6	82.2	.....	101.1	90.9	104.1	110.8	114.42	114.29	113.65	97.43
28	.....	80.5	81.7	.....	102.6	89.4	104.4	110.9	114.43	114.23	113.68	100.60
29	.....	80.3	81.2	.....	103.0	88.0	104.7	111.0	114.51	114.22	113.65	103.32
30	.....	.....	80.8	.....	101.9	86.8	105.0	111.18	114.58	114.21	113.57	105.15
31	.....	.....	83.6	.....	100.3	.....	105.3	111.30	.....	114.15	.....	106.28

Jefferson Parish

Jf-12. Fourth Jefferson Drainage District. At New Orleans pumping station 1. Drilled unused artesian well in sand of Pleistocene age, diameter 4 inches, depth 680 feet. Highest water level 15.40 below lsd, June 22, 1943; lowest 41.87 below lsd, Oct. 12, 1951. Records available: 1942-51. No measurement made in 1952.

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 27.15 below lsd, Apr. 10, 1941; lowest 62.47 below lsd, Sept. 30, 1952. Records available: 1938-47, 1949-52. Apr. 29, 45.82; Sept. 30, 62.47.

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: 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	45.30	Mar. 3	40.36	Apr. 21	38.48	June 9	56.80
14	44.53	9	40.10	29	38.70	27	69.75
21	43.85	16	39.80	May 5	39.46	July 17	64.52
28	43.30	24	39.21	12	42.12	Aug. 25	67.31
Feb. 4	42.51	31	38.75	19	46.45	Sept. 30	57.74
11	42.11	Apr. 7	38.87	26	45.02	Nov. 13	53.96
18	41.59	14	38.51	June 4	54.43	Dec. 23	47.90
26	40.96	.....	.....	.....	.....	.....	.....

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 66.89 below lsd, Sept. 30, 1952. Records available: 1938-52. Apr. 29, 56.99; Sept. 30, 66.89.

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 58.79 below lsd, Sept. 30, 1952. Records available: 1938-39, 1944-52. Apr. 29, 52.42; Sept. 30, 58.79.

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: 1938-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.6	41.2	39.4	37.7	36.5	42.1	.....	54.5	58.71	54.30	51.01	47.21
2	43.5	40.9	39.3	37.7	36.5	42.5	.....	54.3	58.56	54.22	50.93	47.11
3	43.5	40.8	39.2	37.7	36.5	.....	.....	54.1	58.46	54.15	50.91	46.96
4	43.3	40.9	39.3	37.5	36.5	43.5	.....	54.0	58.39	54.00	50.87	46.76
5	43.2	40.9	39.3	37.6	36.5	44.0	.....	54.1	58.36	53.81	50.72	46.78
6	43.2	40.9	39.3	37.5	36.4	44.7	.....	.....	58.33	53.68	50.63	46.60
7	43.1	40.9	39.2	37.4	36.4	45.6	.....	55.6	58.33	53.55	50.62	46.43
8	42.9	40.8	39.1	37.4	36.4	46.4	.....	.....	58.27	53.28	50.44	46.32
9	42.8	40.7	38.9	37.4	36.3	46.9	.....	.....	58.15	53.11	50.25	46.21
10	43.0	40.7	38.7	37.3	36.3	47.4	.....	.....	58.02	52.95	50.02	46.23
11	42.9	40.5	38.8	37.2	36.6	47.7	.....	.....	57.89	52.80	49.99	46.11
12	42.7	40.4	38.7	37.0	36.8	48.2	.....	57.6	57.77	52.61	49.87	46.01
13	42.6	40.3	38.7	37.1	37.0	48.7	.....	.....	57.64	52.47	49.63	.....
14	42.5	40.3	38.7	37.1	37.3	49.3	.....	.....	57.55	52.27	49.43	.....
15	42.4	40.2	38.7	37.1	37.6	49.6	.....	.....	57.40	52.34	49.33	.....
16	42.4	40.2	38.7	37.1	37.9	49.9	.....	58.4	57.21	52.66	49.18	.....
17	42.3	40.2	38.6	37.1	38.2	.....	.....	58.3	57.07	52.90	49.05	.....
18	42.2	40.2	38.3	37.0	38.4	.....	.....	.....	56.92	53.15	48.76	.....
19	42.1	40.0	38.4	36.9	38.4	.....	.....	.....	56.76	52.92	48.71	.....
20	42.0	40.0	38.3	36.8	38.5	.....	.....	.....	56.67	52.80	48.61	.....
21	41.9	40.0	38.2	36.9	38.5	.....	.....	.....	56.34	52.46	48.53	.....
22	41.8	39.8	38.2	36.8	38.6	.....	.....	.....	56.16	52.25	48.38	.....
23	42.0	39.7	38.3	36.6	38.6	.....	.....	.....	56.00	52.11	48.28	.....
24	41.9	39.7	38.2	36.6	38.8	.....	.....	.....	55.78	51.97	48.10	44.85
25	41.7	39.7	38.1	36.6	38.9	.....	.....	.....	55.50	51.77	47.91	44.79
26	41.6	39.7	38.1	36.6	39.1	53.3	.....	58.79	55.25	51.70	48.02	44.71
27	41.5	39.7	38.1	36.6	39.4	.....	.....	58.97	55.05	51.65	47.93	44.62
28	41.5	39.5	38.1	36.6	39.9	.....	54.7	59.08	54.90	51.58	47.81	44.51
29	41.5	39.4	38.0	36.5	40.2	.....	54.6	59.17	54.72	51.55	47.52	44.32
30	41.5	.....	38.0	36.5	40.9	.....	54.7	59.23	54.55	51.37	47.48	44.01
31	41.4	.....	37.8	.....	41.5	.....	54.6	58.99	.....	51.15	.....	44.15

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: 1939-52. Apr. 29, 28.72.

JD-33. Joe Pettitjean. 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, 1947-52. Apr. 29, 18.99; Sept. 30, 32.54.

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 62.70 below lsd, July 18, 1951. Records available: 1939-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.2	44.9	43.6	42.5	41.6	51.0	.....	.....	.....	51.71	.....	48.93
2	46.2	44.7	43.5	42.6	41.6	50.3	.....	.....	.....	51.68	.....	.....
3	46.2	44.6	43.4	42.5	41.5	.....	.....	.....	.....	51.71	.....	.....
4	46.1	44.7	43.5	42.3	41.5	49.2	.....	.....	.....	51.59	.....	.....
5	46.1	44.7	43.6	42.5	41.5	49.3	.....	.....	.....	51.49	.....	.....

JD-43--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	46.1	44.7	43.6	42.6	42.3	50.2	.....	.....	.....	51.70	.....	.....
7	46.1	44.8	43.6	42.5	42.4	55.6	.....	.....	.....	52.10	.....	.....
8	45.9	44.7	43.5	42.4	42.4	54.8	.....	.....	.....	.....	.....	.....
9	45.8	44.7	43.4	42.3	42.9	54.6	.....	.....	.....	.....	.....	.....
10	46.0	44.6	43.1	42.2	42.9	54.8	.....	.....	.....	.....	.....	.....
11	46.0	44.5	43.2	42.2	43.1	55.2	.....	.....	.....	.....	.....	.....
12	45.9	44.4	43.2	42.0	43.3	55.1	.....	.....	.....	.....	.....	.....
13	45.8	44.3	43.2	42.0	43.5	54.9	.....	.....	.....	.....	50.05	.....
14	45.6	44.3	43.2	42.1	47.0	55.5	.....	.....	.....	.....	49.94	.....
15	45.6	44.2	43.2	42.1	48.5	55.9	.....	.....	54.20	.....	49.88	.....
16	45.6	44.2	43.3	42.1	48.6	51.5	.....	.....	54.12	.....	49.84	.....
17	45.5	44.3	43.1	42.1	49.0	.....	.....	.....	53.98	.....	49.76	.....
18	45.5	44.3	42.9	42.0	45.4	.....	53.3	.....	53.58	.....	49.65	.....
19	45.4	44.2	43.0	42.0	44.0	.....	52.8	.....	53.33	.....	49.66	.....
20	45.4	44.1	42.9	41.9	43.5	.....	52.4	.....	53.13	.....	49.54	.....
21	45.3	44.1	42.8	41.9	43.2	.....	52.1	.....	52.90	.....	49.52	.....
22	45.3	44.0	42.8	41.8	46.6	.....	52.1	.....	52.74	.....	49.44	.....
23	45.4	43.9	42.9	41.5	47.4	.....	52.3	.....	52.75	.....	49.41	47.74
24	45.4	43.9	42.9	41.6	47.8	.....	52.7	.....	52.54	.....	49.30	47.73
25	45.3	43.4	42.8	41.7	44.6	60.5	.....	.....	.....	51.18	49.17	47.71
26	45.2	43.9	42.8	41.6	44.8	60.5	.....	59.88	.....	51.13	49.27	47.71
27	45.1	43.9	42.8	41.6	49.9	.....	.....	58.50	.....	51.08	49.27	47.65
28	45.1	43.8	42.8	41.6	46.9	.....	.....	55.38	.....	52.13	49.22	47.63
29	45.1	.....	42.8	41.6	48.0	.....	.....	56.11	.....	52.08	49.04	.....
30	45.1	.....	42.7	41.6	49.8	.....	.....	56.30	.....	51.21	49.02	.....
31	45.1	.....	42.6	.....	50.7	.....	.....	.....	.....	51.01	.....	.....

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: 1944, 1946-52. Apr. 29, 16.09; Sept. 30, 27.89.

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: 1939-52. Apr. 29, 38.38; Sept. 30, 56.23.

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: 1945-52. Sept. 30, 27.27.

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: 1945-52. Apr. 29, 16.30.

JD-224. T. J. Heinen. Sec. 10, T. 8 S., R. 4 W. Drilled observation well in sand of Pleistocene age, diameter 6 inches, depth 760 feet, screen 585-604. Highest water level 39.1 below lsd, Apr. 20-25, 29-30, May 1-6, 1947; lowest 74.32 below lsd, July 17, 20, 1951. Records available: 1946-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	57.3	55.8	54.3	53.1	.....	60.4	.....	.....	68.66	65.42	.....	.....
2	57.3	55.5	54.2	53.2	.....	60.5	.....	.....	.....	65.30	.....	.....
3	57.3	55.3	54.0	53.1	.....	.....	.....	.....	.....	65.28	.....	.....
4	57.2	55.3	54.2	52.9	.....	61.9	.....	.....	.....	65.12	.....	.....
5	57.2	55.4	54.3	53.1	.....	62.4	.....	.....	.....	64.96	.....	.....
6	57.2	55.4	54.3	53.2	.....	62.5	.....	.....	.....	64.84	.....	.....
7	57.2	55.5	54.3	53.1	.....	63.3	.....	.....	.....	64.85	.....	.....
8	56.9	55.5	54.2	53.0	52.8	63.3	.....	.....	.....	.....	.....	.....
9	56.8	55.4	54.0	53.0	52.9	64.5	.....	.....	.....	.....	62.98	.....
10	57.1	55.3	53.7	52.9	53.2	65.1	.....	.....	.....	.....	62.78	.....
11	57.1	55.2	53.9	52.8	53.5	65.4	.....	.....	.....	.....	62.68	.....
12	56.9	55.1	53.8	52.5	54.9	65.4	.....	.....	.....	.....	62.62	.....
13	56.8	55.0	53.8	52.6	56.6	64.4	.....	.....	.....	.....	62.51	.....
14	56.6	55.0	53.8	52.7	57.7	64.6	.....	.....	.....	.....	62.33	.....
15	56.6	54.9	53.9	52.7	58.5	64.0	.....	.....	.....	.....	62.27	.....



JD-224--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	56.6	54.8	53.9	52.7	59.6	63.7	.....	.....	.....	.....	62.22	.....
17	56.5	55.0	53.8	52.7	60.7	.....	.....	.....	.....	.....	.....	.....
18	56.5	55.0	53.5	52.7	60.4	.....	69.4	.....	.....	.....	.....	.....
19	56.4	54.9	53.6	52.6	58.4	.....	68.9	.....	.....	.....	.....	.....
20	56.3	54.8	53.6	52.5	57.7	.....	68.4	.....	.....	.....	.....	.....
21	56.2	54.8	53.4	52.5	57.6	.....	68.6	.....	.....	.....	.....	.....
22	56.2	54.7	53.4	52.5	58.7	.....	.....	.....	.....	.....	.....	.....
23	56.4	54.6	53.6	52.3	59.6	.....	.....	.....	.....	.....	.....	.....
24	56.4	54.6	53.5	52.3	59.9	.....	.....	.....	.....	.....	.....	.....
25	56.2	54.6	53.4	52.6	58.9	70.9	.....	.....	.....	.....	.....	.....
26	56.1	54.6	53.4	52.9	58.4	71.6	.....	69.95	.....	.....	.....	.....
27	56.0	54.6	53.4	53.0	58.5	.....	70.15	.....	.....	.....	.....	.....
28	55.9	54.4	53.4	53.1	58.8	.....	70.08	.....	.....	.....	.....	.....
29	56.0	54.2	53.4	53.1	59.0	.....	70.12	.....	.....	.....	.....	.....
30	55.9	.....	53.3	.....	59.6	.....	70.26	.....	.....	.....	.....	.....
31	55.9	.....	53.2	.....	60.2	.....	68.85	.....	.....	.....	.....	.....

JD-317. H. Aguillard. 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 68.40 below lsd, Sept. 18, 1951. Records available: 1948-52. Apr. 28, 54.14; Sept. 30, 68.39.

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: 1949-52. May 1, 24.93; Sept. 30, 30.30.

#### 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: 1943-52. Apr. 28, 29.47; Sept. 29, 31.00.

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: 1943-52. Sept. 29, 34.96.

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: 1943-51. No measurement made in 1952.

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: 1943-52. May 1, 30.69; Oct. 1, 38.14.

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 42.58 below lsd, Sept. 29, 1952. Records available: 1946-52. Apr. 28, 42.14; Sept. 29, 42.58.

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: 1946-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.9	17.6	17.3	17.1	.....	18.05	18.33	.....	18.51	.....	.....
2	.....	17.6	17.5	17.4	17.1	.....	18.06	18.33	.....	18.55	.....	.....
3	.....	17.6	17.4	17.3	17.1	.....	18.08	18.34	.....	18.57	.....	.....
4	.....	17.7	17.6	17.4	17.1	.....	18.08	18.35	.....	18.56	.....	.....
5	.....	17.8	17.6	17.4	17.1	.....	18.09	18.36	.....	18.54	.....	.....

Lf-437--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	17.8	17.6	17.4	17.1	.....	18.11	18.36	.....	18.58	.....	.....
7	.....	17.9	17.6	17.3	17.1	.....	18.11	18.35	.....	18.59	.....	.....
8	.....	17.8	17.6	17.3	17.1	.....	18.11	18.35	.....	18.56	.....	.....
9	.....	17.8	17.5	17.3	17.1	.....	18.11	18.36	.....	18.58	.....	.....
10	.....	17.8	17.3	17.2	17.2	.....	18.12	18.35	18.48	18.59	.....	.....
11	.....	17.7	17.5	17.2	17.3	.....	18.17	18.36	18.48	18.59	.....	.....
12	.....	17.7	17.5	17.1	17.3	.....	18.18	18.37	18.47	18.57	.....	.....
13	.....	17.7	17.5	17.2	17.3	.....	18.20	18.37	18.49	18.57	18.71	.....
14	.....	17.7	17.5	17.2	17.3	.....	18.20	18.37	18.51	18.56	18.69	.....
15	.....	17.6	17.5	17.2	17.3	.....	18.18	18.36	18.52	18.59	18.71	.....
16	.....	17.7	17.6	17.2	17.3	.....	18.09	18.36	18.52	18.59	18.73	.....
17	.....	17.8	17.5	17.2	17.3	.....	18.18	18.38	18.50	18.60	18.73	.....
18	.....	17.8	17.3	17.2	17.3	.....	18.22	.....	18.48	18.60	18.70	.....
19	.....	17.7	17.5	17.1	17.2	.....	18.22	.....	18.53	18.59	18.72	.....
20	.....	17.7	17.5	17.1	17.3	.....	18.22	.....	18.54	18.61	.....	.....
21	.....	17.5	17.4	17.1	17.3	.....	18.23	.....	18.54	18.63	.....	.....
22	.....	17.5	17.4	17.1	17.3	.....	18.24	.....	18.54	18.63	.....	.....
23	.....	17.5	17.5	17.0	17.3	.....	18.24	.....	.....	18.63	.....	18.77
24	.....	17.5	17.5	17.1	17.3	.....	18.24	.....	.....	18.62	.....	18.78
25	.....	17.5	17.4	17.1	17.3	17.96	18.26	.....	.....	18.62	.....	18.77
26	.....	17.6	17.4	17.1	17.4	17.96	18.29	.....	.....	18.63	.....	18.79
27	.....	17.6	17.4	.....	.....	17.98	18.30	.....	.....	18.63	.....	18.79
28	.....	17.5	17.5	.....	.....	18.02	18.30	.....	.....	18.64	.....	18.78
29	.....	17.5	17.4	.....	.....	18.01	18.26	.....	.....	18.64	.....	18.75
30	.....	.....	17.4	.....	.....	18.02	18.30	.....	.....	18.63	.....	18.61
31	.....	.....	17.3	.....	.....	.....	18.32	.....	.....	18.63	.....	18.75

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: 1944-52. Apr. 28, 33.63.

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 36.40 below lsd, Dec. 16, 1951; lowest 41.66 below lsd, Sept. 14, 1952. Records available: 1951-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.2	37.2	36.4	36.5	37.0	38.4	38.2	39.3	38.0	40.10	40.70	38.81
2	37.5	36.9	.....	36.9	37.0	37.4	39.2	38.1	37.9	39.80	39.42	38.38
3	37.2	36.7	38.4	36.4	36.2	37.5	38.3	39.5	39.8	39.83	39.75	38.38
4	37.1	36.9	35.7	36.7	36.1	37.5	37.7	39.2	39.1	38.48	39.20	38.45
5	37.2	37.0	35.6	36.5	37.0	37.5	37.7	38.3	39.0	38.13	38.85	39.90
6	37.1	36.9	38.7	38.0	37.1	37.5	37.5	38.4	39.0	39.13	40.05	39.76
7	37.2	37.0	36.4	36.3	37.1	37.4	38.2	39.3	37.9	37.54	38.13	38.32
8	37.7	37.0	36.4	36.4	37.1	36.6	38.3	38.3	38.3	38.93	40.05	38.35
9	37.0	36.9	36.2	36.8	37.1	37.5	37.9	39.3	38.1	38.77	38.20	38.42
10	37.4	36.8	36.2	34.7	37.1	38.7	39.0	37.6	38.66	38.83	40.20	39.08
11	37.3	36.8	36.4	36.5	35.0	38.8	39.0	38.2	39.25	39.08	39.08	36.50
12	37.7	36.8	35.5	36.3	37.2	37.7	38.2	38.6	39.85	38.80	39.05	38.54
13	37.2	36.8	35.5	36.2	37.1	37.7	38.8	38.6	39.89	39.25	39.20	39.88
14	37.7	36.8	36.0	37.1	37.2	38.9	38.3	38.5	41.66	39.08	38.92	38.40
15	37.3	36.8	37.0	36.1	37.3	38.8	36.6	39.3	41.29	39.80	39.03	39.01
16	37.3	36.8	36.9	35.2	37.3	37.7	36.0	38.6	40.76	39.88	39.74	39.89
17	37.8	36.8	36.8	35.2	37.4	37.9	38.0	37.8	39.85	39.93	39.10	39.50
18	37.8	36.7	36.7	38.1	36.5	37.9	38.1	39.4	38.65	39.92	39.98	39.10
19	37.2	36.7	36.9	37.5	34.5	37.9	38.0	39.7	39.85	38.37	39.12	37.20
20	37.2	36.8	36.8	37.2	37.0	38.0	37.4	38.0	38.80	39.90	38.72	38.52
21	37.2	36.9	36.9	38.0	37.4	38.0	38.0	39.0	38.10	40.00	40.05	38.23
22	36.8	36.7	36.8	37.5	36.7	39.1	39.5	38.4	39.76	40.03	39.10	37.50
23	36.6	37.9	36.7	36.3	37.2	38.0	38.3	39.5	38.84	40.02	39.70	38.42
24	36.7	36.4	38.0	37.9	37.2	38.1	39.2	39.5	39.00	40.04	38.98	38.41
25	36.9	38.0	36.8	37.7	36.2	38.1	38.2	38.3	39.92	40.05	38.52	37.65
26	36.9	36.5	38.0	37.2	38.3	38.1	39.3	38.3	39.90	39.50	39.40	38.21
27	37.3	38.2	38.8	36.1	37.3	39.2	39.5	38.5	38.89	40.75	38.42	38.31
28	37.4	38.4	36.7	37.8	36.6	36.9	38.2	39.7	36.72	40.68	38.55	38.21
29	37.1	37.5	36.7	36.9	37.2	35.7	39.3	38.5	39.85	39.70	37.74	38.23
30	38.2	.....	36.6	37.0	38.3	37.5	38.3	38.5	39.65	40.68	37.42	37.97
31	37.4	.....	36.5	.....	38.4	37.5	39.3	38.4	.....	39.78	.....	39.08

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: 1939-52. Jan. 8, 27.26; Feb. 5, 26.92; Apr. 2, 26.60; June 16, 36.33; Aug. 26, 27.86; Oct. 10, 28.58; Dec. 1, 29.19.

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. Jan. 10, 257.25; Jan. 10, 229.53; Feb. 7, 228.83; Apr. 4, 229.58; Apr. 4, 228.37; June 18, 269.95.

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 187.98 below lsd, Dec. 3, 1952. Records available: 1951-52. Jan. 10, 183.08; Feb. 7, 183.67; Apr. 4, 183.49; June 18, 184.33; Aug. 28, 186.84; Oct. 7, 187.67; Dec. 3, 187.98.

Livingston Parish

Li-10. McCarroll Lumber Co. Frost. 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: 1940-52. May 14, +1.44; Oct. 14, +1.24; Dec. 15, +1.35.

Li-11. Sharp Civilian Conservation Corps Camp. Springville. 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 0.11 above lsd, Dec. 15, 1952. Records available: 1940-52. May 14, +0.61; Oct. 14, +0.12; Dec. 15, +0.11.

Li-15. Hammond Lumber Co. Sec. 14, T. 7 S., R. 6 E. Springville fire tower. 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: 1947-52. May 14, +6.67; Oct. 14, +6.03; Dec. 15, +6.08.

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. Records available: 1950-52. Dec. 18, +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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	186.4	Feb. 11	180.5	Feb. 17	186.8	Feb. 23	186.6
Feb. 6	185.2	12	185.4	18	186.4	24	186.7
7	178.0	13	185.4	19	185.3	25	187.1
8	182.9	14	180.2	20	180.5	26	189.0
9	182.6	15	185.9	21	184.9	27	189.6
10	180.7	16	186.3	22	186.1	28	189.1

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 75.11 below lsd, Apr. 2, 1948; lowest 78.70 below lsd, Jan. 19, 1949. Records available: 1945-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.9	76.3	76.9	76.5	76.5	76.5	76.5	76.2	76.09	76.02	76.02	75.64
2	76.8	75.9	76.5	76.7	76.5	76.5	76.5	76.1	76.29	76.23	75.91	75.94
3	76.9	75.9	76.4	76.5	76.7	76.4	76.5	76.1	76.33	76.23	75.78	75.86
4	76.8	76.5	77.1	76.5	76.7	76.4	76.5	76.1	76.24	76.08	75.95	75.91
5	76.6	76.7	77.0	76.9	76.6	76.3	76.4	76.2	76.17	.....	76.13	75.84

## Mo-15--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	76.8	76.7	76.8	76.9	76.5	76.5	76.4	76.2	76.17	76.32	75.94	76.14
7	76.6	76.7	76.7	76.6	76.5	76.5	76.3	76.2	76.14	76.20	75.83	76.16
8	76.2	76.4	76.5	76.5	76.4	76.4	76.2	76.1	76.12	75.95	76.05	76.16
9	76.4	76.5	76.2	76.6	76.2	76.4	76.3	76.2	76.18	76.03	76.20	76.18
10	76.2	76.4	75.9	76.8	76.4	76.4	76.3	76.2	76.14	76.12	75.89	75.86
11	76.8	76.5	76.8	76.5	76.8	76.4	76.3	76.2	76.09	76.13	75.86	75.97
12	76.5	76.3	76.6	76.2	76.7	76.4	76.4	76.3	76.08	76.03	75.92	75.97
13	76.5	76.3	76.7	76.5	76.6	76.4	76.3	76.3	76.14	76.05	76.11	76.05
14	76.3	76.6	76.7	76.7	76.4	76.4	76.2	76.3	76.20	75.96	76.15	76.02
15	76.6	76.6	77.0	76.8	76.4	76.4	76.2	76.1	76.14	75.81	75.98	75.97
16	76.6	76.6	76.8	76.8	76.4	.....	76.2	76.1	76.06	75.88	76.04	75.91
17	76.5	76.9	76.5	76.7	76.4	76.4	76.2	76.2	.....	75.90	75.98	75.81
18	76.7	76.7	76.1	76.6	76.3	76.4	76.3	76.2	76.06	75.85	75.87	75.86
19	76.4	76.5	76.6	76.4	76.5	76.4	76.3	76.2	76.18	76.02	76.03	75.71
20	76.7	76.7	76.6	76.4	76.4	76.3	76.2	76.1	76.23	75.86	76.00	76.00
21	76.4	76.8	76.4	76.5	76.5	76.4	76.2	76.2	76.20	75.80	76.05	75.90
22	76.5	76.6	76.7	76.6	76.4	76.5	76.2	76.2	76.13	75.94	76.01	75.64
23	77.0	76.6	76.9	76.4	76.4	76.4	76.2	76.1	76.13	75.98	75.96	76.10
24	76.8	76.6	76.6	76.5	76.4	76.4	76.2	76.1	76.13	76.02	76.25	76.04
25	76.3	76.7	76.4	76.6	76.4	76.3	76.1	76.2	76.06	76.02	76.31	76.04
26	76.3	76.7	76.7	76.6	76.4	76.4	76.2	76.2	76.06	75.95	76.34	75.95
27	76.4	76.6	76.8	76.6	76.5	76.4	76.2	76.10	76.06	76.00	76.20	75.82
28	76.6	76.2	76.7	76.6	76.4	76.4	76.1	76.11	76.10	75.77	76.05	75.84
29	76.7	76.2	76.6	76.6	76.4	76.4	76.1	76.14	76.17	75.76	75.86	75.69
30	76.7		76.5	76.5	76.3	76.4	76.2	76.08	76.08	76.02	76.05	75.47
31	76.6		76.3		76.4		76.2	76.12		76.08		76.07

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 16.0 above lsd, Aug. 16, 1944; lowest 6.15 above lsd, Dec. 5, 1952. Records available: 1943-52. Jan. 11, +7.90; Feb. 8, +8.12; Feb. 24, +8.32; Apr. 5, +8.23; Sept. 3, +9.03; Oct. 9, +6.31; Dec. 5, +6.15.

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: 1944-52. Jan. 11, +16.02; Feb. 8, +19.41; Apr. 5, +18.50; Sept. 3, +17.88; Dec. 5, +16.75.

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 88.29 below lsd, Oct. 14, 1951. Records available: 1950-52. Dec. 10, 81.04.

Or-25. Morgan Ice Co. plant No. 1. 1215 Magnolia St., New Orleans. T. 13 S., R. 11 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 inches, depth 850 feet. Land-surface datum is 5.83 feet above msl. Highest water level 47.3 below lsd, Feb. 18-20, 1946; lowest 100.80 below lsd, Aug. 24-30, 1951. Records available: 1945-52. Feb. 10, 88.3. Measurement discontinued.

Or-42. Department of the Navy. At power house, Algiers Repair Base. Drilled unused artesian well, diameter 8 inches, depth 800 feet. Highest water level 71.07 below lsd, Mar. 10, 1950; lowest 89.87 below lsd, July 24, 1950. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 11	83.43	Dec. 17	82.52	Dec. 22	81.83	Dec. 27	81.48
12	83.50	18	82.87	23	82.12	28	80.83
13	83.61	19	83.05	24	82.62	29	80.27
14	82.67	20	83.16	25	82.44	30	80.55
15	81.93	21	82.63	26	81.86	31	81.31
16	82.13						

Ouachita 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 98.29 below lsd, Dec. 2, 1952. Records available: 1946, 1949-52. Jan. 9, 91.83; Feb. 6, 91.93; Apr. 3, 93.24; June 17, 94.44; Aug. 27, 97.15; Oct. 8, 97.81; Dec. 2, 98.29.

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 89.78 below lsd, Oct. 9, 1952. Records available: 1946-52. Jan. 10, 84.16; Feb. 6, 83.72; Apr. 2, 84.16; June 17, 85.51; Aug. 26, 88.25; Oct. 9, 89.78; Dec. 3, 89.24.

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 1952.

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 230.65 below lsd, Nov. 30, 1952. Records available: 1946-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	209.9	198.7	224.9	208.4	212.6	.....	186.1	215.3	222.40	.....	225.15	229.21
2	209.1	200.5	225.1	208.5	212.0	.....	181.2	215.3	213.00	.....	224.45	224.95
3	198.7	198.7	222.6	208.5	211.7	.....	176.6	215.3	206.57	.....	224.95	226.80
4	196.4	201.5	212.5	199.0	211.5	.....	174.6	215.5	206.07	.....	218.75	226.33
5	187.3	199.6	212.6	199.1	211.3	.....	172.5	219.1	203.35	.....	224.55	226.32
6	186.0	199.2	212.3	210.8	211.3	.....	169.9	220.9	204.40	216.17	224.55	226.05
7	185.2	199.1	211.9	210.0	.....	.....	194.2	220.7	205.10	219.60	224.67	222.64
8	187.0	208.3	210.6	209.3	.....	.....	205.6	.....	205.45	222.28	225.86	227.40
9	193.1	208.6	209.7	209.1	.....	.....	203.6	.....	205.58	210.00	225.08	225.86
10	192.8	209.8	209.2	209.1	.....	.....	211.8	223.1	204.85	222.55	221.00	225.87
11	194.2	208.4	210.4	199.4	.....	.....	214.3	224.0	204.20	223.01	225.20	227.80
12	195.4	205.8	211.4	199.0	.....	.....	214.5	223.1	204.07	224.10	225.17	227.75
13	193.9	208.4	211.7	199.1	.....	.....	214.9	222.7	204.57	224.30	225.00	228.05
14	204.4	206.3	209.7	199.1	.....	.....	211.3	222.7	204.05	223.70	226.57	226.32
15	204.0	198.8	210.8	199.1	.....	.....	211.2	222.7	204.05	223.92	222.20	228.80
16	207.0	198.8	211.8	199.1	.....	.....	211.5	222.8	204.30	224.02	224.90	229.15
17	207.8	198.9	210.9	199.0	.....	.....	211.9	222.8	203.40	224.13	226.75	229.72
18	207.0	200.9	209.7	209.8	.....	214.4	216.4	223.0	204.40	224.78	227.10	229.97
19	196.5	199.5	204.5	208.9	.....	214.4	216.6	224.4	205.13	224.97	226.70	230.00
20	197.2	209.5	209.3	208.7	.....	219.6	216.1	225.0	207.30	225.65	228.64	230.32
21	197.3	210.1	199.1	209.4	.....	219.7	219.9	225.3	206.13	225.10	228.83	.....
22	197.4	209.1	197.1	210.0	.....	216.0	220.3	225.8	206.58	224.91	229.22	.....
23	197.7	223.5	196.5	209.9	.....	220.6	213.9	225.9	223.75	226.17	229.50	229.55
24	197.9	213.9	197.6	210.6	.....	220.4	216.2	226.1	211.35	225.35	229.63	.....
25	207.3	214.2	198.3	211.5	.....	215.9	214.8	226.3	212.05	225.50	228.80	.....
26	207.5	214.8	197.7	213.4	.....	221.0	214.6	226.4	206.15	227.55	229.60	.....
27	207.5	215.1	207.0	212.5	.....	220.7	214.6	226.6	208.90	226.05	230.07	.....
28	207.7	215.2	208.9	213.5	.....	220.8	214.8	226.65	211.75	227.65	230.37	229.95
29	207.8	226.0	208.5	212.2	.....	221.1	218.0	225.75	.....	223.55	230.54	223.15
30	207.9	.....	208.5	213.0	.....	199.4	219.7	225.40	.....	225.65	230.63	223.20
31	212.5	.....	208.4	.....	.....	.....	215.4	225.30	.....	225.22	.....	224.65

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 139.67 below lsd, Dec. 1, 1952. Records available: 1946-52. Jan. 8, 128.48; Feb. 6, 129.97; Apr. 2, 130.11; June 16, 132.51; Aug. 26, 136.24; Oct. 9, 136.26; Dec. 1, 139.67.

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 64.95 below lsd, Aug. 26, 1952. Records available: 1947-52. Jan. 8, 59.69; Feb. 6, 58.96; Apr. 2, 59.39; June 16, 63.33; Aug. 26, 64.95; Oct. 9, 63.98; Dec. 1, 63.70.

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 97.84 below lsd, Dec. 2, 1952. Records available: 1946-52. Jan. 10, 92.15; Feb. 6, 91.58; Apr. 2, 91.85; June 17, 93.03; Aug. 27, 95.25; Oct. 9, 96.90; Dec. 2, 97.84.

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, 1948-52. Jan. 10, 89.82; Feb. 6, 85.86; Apr. 2, 88.87; June 17, 88.23; Aug. 27, 93.49; Oct. 9, 94.16; Dec. 2, 94.37.

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 114.55 below lsd, Dec. 27, 1952. Records available: 1946-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	108.0	107.6	107.6	107.8	107.9	109.1	110.4	110.4	112.16	113.01	113.95	114.67
2	108.0	107.4	107.1	107.9	107.9	109.2	110.5	110.4	112.30	113.06	113.97	114.59
3	108.0	107.4	107.5	107.9	107.9	109.2	110.5	110.4	112.37	113.12	114.08	114.61
4	107.9	107.5	107.6	107.9	107.9	109.2	110.4	110.5	112.38	113.10	114.14	114.60
5	107.9	107.5	107.7	108.0	108.0	109.1	110.3	110.6	112.38	113.09	114.13	114.67
6	108.0	107.5	107.7	108.1	108.0	109.2	110.2	110.6	112.40	113.17	114.10	114.67
7	108.0	107.5	107.7	108.1	108.0	109.2	110.1	110.6	112.43	113.20	114.16	114.67
8	107.9	107.5	107.7	108.1	108.0	109.2	109.9	110.7	112.45	113.18	114.16	114.67
9	107.8	107.5	107.7	108.1	108.0	109.3	109.8	110.7	112.51	113.15	114.14	114.65
10	108.0	107.5	107.5	108.2	108.1	109.4	109.6	110.8	112.56	113.17	114.05	114.65
11	108.0	107.5	107.7	108.1	108.2	109.4	109.6	110.8	112.59	113.21	114.12	114.67
12	107.9	107.4	107.7	108.0	108.3	109.5	109.6	110.9	112.62	113.22	114.13	114.68
13	107.9	107.4	107.8	108.0	108.3	109.6	109.6	111.0	112.68	113.22	114.13	114.68
14	107.8	107.5	107.8	108.1	108.3	109.6	109.5	111.0	112.70	113.23	114.13	114.68
15	107.7	107.5	107.9	108.1	108.4	109.7	109.5	111.0	112.74	113.28	114.16	114.73
16	107.8	107.5	107.9	108.2	108.4	109.7	109.5	111.1	112.76	113.34	114.20	114.73
17	107.7	107.6	107.9	108.2	108.5	109.7	109.6	111.2	112.74	113.36	114.21	114.73
18	107.7	107.6	107.7	108.2	108.5	109.8	109.6	111.3	112.75	113.42	114.22	114.73
19	107.7	107.6	107.8	108.1	108.6	109.9	109.7	111.3	112.80	113.42	114.23	114.72
20	107.7	107.5	107.8	108.1	108.6	109.9	109.7	111.3	112.87	113.48	114.25	114.70
21	107.6	107.6	107.8	108.0	108.7	109.9	109.8	111.4	112.92	113.57	114.30	114.70
22	107.6	107.6	107.8	108.0	108.7	110.0	109.8	111.5	112.96	113.60	114.33	114.70
23	107.8	107.5	107.9	107.9	108.8	110.1	109.9	111.5	112.98	113.63	114.39	114.75
24	107.8	107.6	107.9	107.9	108.8	110.1	109.9	111.6	112.99	113.65	114.39	114.83
25	107.7	107.6	107.9	107.9	108.8	110.1	110.0	111.7	112.99	113.65	114.35	114.91
26	107.7	107.6	107.9	107.9	108.9	110.1	110.0	111.8	112.99	113.73	114.52	114.98
27	107.6	107.6	107.9	107.9	108.9	110.2	110.1	111.8	112.99	113.74	114.60	114.98
28	107.6	107.6	107.9	107.9	109.0	110.2	110.1	111.90	112.99	113.85	114.66	114.98
29	107.6	107.5	107.9	107.9	109.0	110.3	110.1	111.97	113.00	113.95	114.65	114.90
30	107.6	107.6	107.9	107.9	109.0	110.4	110.2	112.02	113.02	113.95	114.67	114.70
31	107.6	107.6	107.8	109.0	109.0	110.3	112.10	112.10	113.95	113.95	114.60	114.60

Ou-102. City of Monroe. NW. corner 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 99.80 below lsd, Oct. 8, 1952. Records available: 1946-52. Apr. 3, 94.92; June 17, 96.77; Aug. 27, 98.35; Oct. 8, 99.80.

Ou-120. S. H. Thatcher. SE. corner sec. 39, T. 19 N., R. 3 E. 501 Speed Drive, Monroe. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 650 feet. Highest water level 72.29 below lsd, June 29, 1949; lowest 98.51 below lsd, Dec. 2, 1952. Records available: 1946-52. Jan. 9, 92.36; Feb. 6, 92.24; Apr. 3, 93.46; June 17, 94.63; Aug. 27, 97.24; Oct. 8, 97.84; Dec. 2, 98.51.

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. Jan. 9, 9.62; Feb. 6, 8.97; Apr. 3, 8.03.

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. Jan. 9, 52.10; Feb. 6, 51.57; Apr. 3, 54.00.

## 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 806 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: 1938-52. Apr. 2, 119.15; June 16, 91.37; Aug. 26, 121.07; Oct. 10, 125.11; Dec. 1, 99.15.

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: 1938-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	121.1	118.7	115.6	114.6	122.4	123.9	129.4	131.3	128.16	125.60	125.27	122.28
2	120.8	118.3	115.6	114.5	123.1	122.7	130.2	131.5	127.50	125.66	125.24	122.03
3	120.7	118.1	115.4	114.5	123.5	124.5	130.7	130.0	127.02	125.74	125.14	121.84
4	120.5	118.0	115.4	114.5	121.4	125.5	131.2	128.3	126.87	125.77	125.05	121.63
5	120.4	117.9	115.4	114.6	120.4	126.2	131.0	129.8	126.43	125.80	124.96	121.57
6	120.3	117.8	115.5	114.6	122.5	126.6	128.6	130.6	126.26	125.75	124.93	121.43
7	120.1	117.7	115.5	114.5	123.6	126.7	127.4	131.1	126.12	125.70	124.92	121.28
8	119.8	117.6	115.5	114.3	124.4	124.4	129.2	131.5	125.91	125.62	124.83	121.17
9	119.7	117.6	115.5	114.3	125.0	123.3	130.2	131.5	125.81	125.55	124.71	121.11
10	119.8	117.5	115.4	114.4	125.2	125.2	130.7	129.2	125.78	125.52	124.53	121.10
11	119.7	117.4	115.4	114.4	123.1	126.3	131.0	128.1	125.80	125.53	124.42	121.04
12	119.6	117.2	115.4	114.3	122.1	127.0	130.6	129.9	125.82	125.51	124.30	120.90
13	119.7	117.1	115.4	114.4	123.8	128.8	132.1	131.0	125.88	125.45	124.14	120.78
14	119.6	117.0	115.4	114.4	124.9	128.9	133.6	131.7	125.97	125.35	124.00	120.68
15	119.5	116.9	115.5	114.3	125.6	127.3	131.2	132.2	125.91	125.32	123.93	120.52
16	119.6	116.9	115.6	114.3	126.0	125.6	130.6	132.4	125.86	125.37	123.81	120.39
17	119.8	116.8	115.4	114.5	126.0	127.1	131.2	130.1	125.84	125.39	123.72	120.34
18	119.8	116.7	115.1	114.6	124.9	128.0	131.4	129.1	125.86	125.42	123.62	120.30
19	119.8	116.5	115.1	114.7	123.3	128.6	131.5	130.9	125.87	125.42	123.58	120.18
20	119.9	116.4	115.0	114.7	124.9	129.0	129.8	131.9	125.79	125.40	123.57	120.09
21	119.8	116.3	115.1	114.7	125.6	129.3	128.0	132.6	125.72	125.38	123.59	119.90
22	119.7	116.2	115.2	114.7	126.2	128.0	129.4	132.9	125.60	125.35	123.58	119.64
23	119.7	116.2	115.2	114.9	126.6	126.4	130.2	132.9	125.53	125.35	123.53	119.56
24	119.6	116.0	115.1	114.7	126.4	127.9	130.7	130.6	125.54	125.38	123.37	119.33
25	119.4	115.8	115.0	119.4	123.9	128.8	131.2	129.5	125.45	125.37	123.05	119.28
26	119.3	115.7	114.9	120.3	122.7	129.5	131.4	131.1	125.55	125.38	123.03	119.07
27	119.1	115.6	114.8	118.5	124.5	129.9	130.0	131.99	125.62	125.33	123.02	118.87
28	119.0	115.5	114.8	117.7	125.5	130.2	128.3	132.11	125.67	125.30	122.96	118.70
29	118.9	115.5	114.8	119.9	126.1	130.2	129.7	131.65	125.67	125.33	122.74	118.57
30	118.9		114.9	121.5	126.4	128.2	130.5	130.69	125.62	125.31	122.57	118.29
31	.....		114.8		126.3		131.0	129.17		125.28		118.25

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: 1938-52. Apr. 2, 123.54; June 16, 128.83; Aug. 26, 127.55; Oct. 10, 121.36; Dec. 1, 115.79.

R-132. Boyce Ice Co. Boyce. Drilled unused 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: 1950-52. Jan. 11, 38.09; Feb. 8, 36.18; Apr. 5, 35.35; June 19, 40.64; Sept. 3, 44.13; Oct. 10, 46.98; Dec. 5, 37.72.

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, 1947-52. Jan. 11, 39.78; Feb. 8, 39.25; Apr. 5, 35.55; June 19, 31.72; Sept. 3, 35.11; Oct. 9, 36.64; Dec. 5, 35.96.

R-453. City of Alexandria. Turegaeno and Overton Sts. Drilled public-supply 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: 1949-52. Apr. 2, 6.04; June 16, 17.66; Aug. 26, 11.85; Oct. 10, 13.35; Dec. 1, 13.31.

St. Charles Parish

Sc-6. Shell Oil Co. N $\frac{1}{2}$  sec. 6, T. 12 S., R. 8 E. Near Louisiana & Arkansas Railway tracks. 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: 1943-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.4	69.46	68.83	68.32	69.79	67.06	.....	68.00	70.46	71.12	72.22	67.64
2	.....	69.73	70.52	66.35	69.82	67.16	70.36	67.97	68.86	70.80	70.81	67.67
3	68.68	68.40	70.79	69.52	69.68	68.24	69.32	67.98	67.90	70.47	70.31	67.31
4	69.54	67.63	68.75	69.41	70.49	.....	69.01	64.36	68.68	70.56	70.13	67.90
5	69.63	67.16	66.64	69.75	70.76	.....	68.87	62.00	68.92	70.39	70.12	67.32
6	69.78	67.17	68.79	69.78	70.01	.....	68.79	65.42	68.88	70.24	70.24	67.20
7	69.79	69.17	69.05	70.10	69.94	.....	68.64	67.35	69.18	.....	68.89	67.21
8	67.75	69.08	68.96	70.17	69.94	.....	61.61	67.60	70.84	71.14	72.10	67.12
9	64.77	69.26	68.77	69.95	70.30	.....	65.06	66.82	70.85	68.37	72.43	.....
10	68.94	69.22	68.53	69.76	70.74	.....	68.75	67.68	69.02	70.11	72.34	67.14
11	67.89	67.32	68.61	69.62	71.09	64.53	69.08	67.89	69.09	70.35	70.38	63.59
12	68.45	66.80	68.27	69.45	71.14	64.78	69.37	67.93	71.60	70.47	70.48	64.62
13	70.60	68.81	68.21	69.55	71.10	66.42	69.63	67.83	73.04	70.56	72.57	.....
14	70.88	69.27	68.35	69.38	71.37	69.04	69.31	67.89	73.30	68.56	72.73	.....
15	71.05	70.63	66.22	67.00	71.50	68.48	68.82	67.81	72.94	67.93	72.83	.....
16	.....	70.88	66.14	66.95	71.10	68.33	69.15	67.76	67.46	70.34	72.94	.....
17	70.68	69.46	65.91	65.22	71.16	69.57	.....	66.72	70.50	72.02	73.03	68.90
18	71.35	69.66	68.95	64.63	70.81	69.42	.....	61.97	69.28	71.28	72.84	67.34
19	71.05	69.27	67.89	66.82	70.10	69.52	.....	61.21	70.09	70.65	71.62	69.09
20	70.99	67.13	67.83	67.31	69.58	70.16	.....	63.68	69.53	70.53	70.86	69.21
21	71.75	68.67	67.18	69.03	69.66	70.00	.....	65.20	69.69	70.23	70.50	69.47
22	68.55	68.91	67.80	69.00	69.96	70.08	.....	65.30	70.57	70.08	70.01	69.70
23	67.58	68.65	67.81	67.36	69.69	69.96	68.10	65.57	71.56	69.98	70.00	.....
24	65.41	68.75	68.16	68.68	70.70	70.34	68.10	65.67	70.58	68.66	70.00	69.65
25	67.71	66.94	.....	69.28	70.06	70.14	69.46	65.48	69.62	70.18	68.39	69.60
26	69.03	62.66	67.50	69.28	70.01	69.92	67.86	65.88	69.47	70.25	67.69	69.53
27	69.42	65.25	67.91	69.85	70.18	69.85	67.87	67.55	69.80	70.11	67.92	69.48
28	70.06	67.96	69.41	69.76	70.62	70.27	66.56	68.05	69.75	69.97	68.42	69.46
29	70.10	68.55	70.13	70.04	67.64	70.90	.....	66.10	69.78	69.96	69.58	69.56
30	69.75	.....	70.23	70.00	67.33	71.18	66.23	67.62	69.81	70.22	68.42	67.77
31	69.28	.....	70.07	.....	67.14	.....	67.84	70.27	.....	71.50	.....	.....

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 37.34 below lsd, Dec. 15, 1952. Records available: 1950-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	31.68	30.02	29.90	30.82	34.33	35.60	36.10	36.23	36.69	37.07	37.17
2	.....	31.54	30.04	29.92	30.83	34.51	35.59	36.11	36.29	36.56	37.03	37.05
3	32.38	31.49	29.97	29.80	30.85	33.97	35.63	36.12	36.40	36.61	37.07	37.09
4	32.50	31.49	30.06	30.16	30.80	34.69	35.63	36.18	36.40	36.81	37.06	37.01
5	32.61	31.63	30.20	30.34	30.81	34.61	35.62	36.27	36.44	36.86	37.06	37.02
6	32.72	31.71	30.24	30.43	30.88	34.48	35.64	36.38	36.47	36.74	37.11	37.13
7	32.68	.....	30.29	30.49	30.90	34.65	35.59	36.01	36.52	36.86	37.15	37.20
8	32.64	31.61	30.29	30.51	30.91	34.76	35.67	36.21	36.48	36.50	37.17	37.17
9	32.61	31.62	30.24	30.55	30.95	34.77	35.46	36.22	36.32	36.71	37.12	37.20
10	32.50	31.63	30.12	30.55	30.92	34.83	35.57	36.16	36.31	36.86	37.01	37.18
11	32.75	31.58	30.16	30.52	30.94	34.89	35.61	36.14	36.28	36.94	37.10	37.30
12	32.84	31.56	30.09	30.44	31.00	34.87	35.61	36.20	36.34	37.01	37.17	37.21
13	32.67	31.44	30.05	30.38	30.98	34.92	35.64	36.21	36.32	36.96	37.21	37.29
14	32.61	31.57	30.05	30.46	31.02	35.14	35.62	36.24	36.29	37.00	37.19	37.28
15	32.65	30.89	30.07	30.45	31.05	35.26	35.42	36.20	36.27	37.03	37.15	37.34
16	.....	30.45	30.10	30.42	30.99	35.31	32.14	36.18	36.32	37.00	37.19	37.33
17	32.69	30.44	30.12	30.54	30.96	35.26	36.22	36.14	36.35	37.00	37.15	37.27
18	32.84	30.41	30.00	30.58	30.88	35.31	34.08	36.36	36.37	37.02	37.13	37.25
19	32.88	30.30	29.98	30.62	30.91	35.42	34.79	36.39	36.42	37.06	37.04	37.18
20	32.93	30.15	29.97	30.69	30.84	35.51	34.90	35.87	36.39	37.03	37.16	37.17
21	32.88	.....	30.31	30.64	31.10	35.54	35.02	36.13	36.42	37.03	37.23	37.23
22	32.85	.....	30.33	30.60	31.09	35.61	35.14	36.26	36.39	36.96	37.22	37.25
23	32.82	.....	30.42	30.63	30.96	35.59	35.31	36.37	36.36	38.96	37.27	37.26
24	32.50	.....	30.40	30.66	30.98	35.75	35.79	36.42	36.40	36.97	37.26	37.21
25	32.03	.....	29.82	30.68	31.00	35.69	35.97	36.32	36.44	37.10	37.18	37.19



## Sc-9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	31.89	.....	29.44	30.67	31.01	35.65	35.92	36.50	36.42	37.13	37.08	37.13
27	31.83	29.87	30.00	30.76	31.09	35.64	35.97	36.30	36.53	37.14	37.31	37.09
28	31.73	29.91	30.09	30.79	31.64	35.61	35.93	36.33	36.57	37.11	36.84	37.08
29	31.77	29.95	30.10	30.86	33.41	35.59	35.83	36.31	36.61	37.14	37.10	37.11
30	.....		30.10	30.84	33.86	35.53	35.81	36.43	36.62	37.21	37.13	36.89
31	31.71		30.00		34.09		35.99	36.31		37.21		.....

## 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: 1944-52. Apr. 28, 44.09; Sept. 29, 46.05.

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 47.26 below lsd, Dec. 10, 1948. Records available: 1944-52. Apr. 30, 45.50; Sept. 29, 46.26.

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: 1944-52. Apr. 28, 15.86; Sept. 29, 20.04.

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 75.04 below lsd, Oct. 2, 1952. Records available: 1944-52. May 2, 67.15; Oct. 2, 75.04.

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 105.05 below lsd, July 8, 1948. Records available: 1944-52. Jan. 30, 61.56; Mar. 5, 66.02; Apr. 30, 63.16.

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: 1947-52. Apr. 28, 67.45.

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, Mar. 20, 1950; lowest 37.32 below lsd, Sept. 17, 1951. Records available: 1949-52. Apr. 28, 36.30; Sept. 29, 38.60.

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 69.28 below lsd, Sept. 29, 1952. Records available: 1949-52. Apr. 30, 67.91; Sept. 29, 69.28.

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 63.82 below lsd, Oct. 2, 1952. Records available: 1950-52. May 2, 61.23; Oct. 2, 63.82.

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. Apr. 30, 6.29.

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: 1950-52. Apr. 28, 13.59; Sept. 29, 19.47.

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: 1950-52. Apr. 28, 1.86; Sept. 29, 8.71.

#### St. Martin Parish

SMn-20. Smedes Bros. Sugar Mill. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 13, T. 11 S., R. 5 E. Cade Station. 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: 1944-52. May 1, 22.37; Oct. 2, 25.78.

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: 1944-52. Apr. 28, 3.10.

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: 1944-52. Apr. 28, 12.90; Sept. 29, 18.69.

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: 1944-52. Apr. 28, 1.99; Sept. 29, 9.56.

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 8.63 below lsd, Oct. 2, 1952. Records available: 1944-52. May 1, 4.72; Oct. 2, 8.63.

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: 1947-52. May 1, 3.11; Oct. 2, 7.53.

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: 1949-52. Apr. 28, 8.32; Sept. 29, 13.03.

#### 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: 1939-52. May 15, +80.69; Oct. 16, +79.54; Dec. 17, +79.90.

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 0.28 above lsd, May 15, 1952. Records available: 1939-52. May 15, +0.28.

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 27.4 above lsd, Sept. 3, 1947. Records available: 1939-52. May 15, +28.46; Dec. 18, +27.3.

St-12. Techefunte State Park. Sec. 43, T. 8 S., R. 12 E. Drilled unused artesian well in sand of Pleistocene age, diameter 6 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: 1939-52. May 15, +46.0; Oct. 15, +44.0; Dec. 18, +45.0.

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: 1939-52. May 16, +26.80; Oct. 16, +23.0; Dec. 17, +25.3.

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 80.9 above lsd, Nov. 24, 1951. Records available: 1950-52. May 15, +86.85; Oct. 16, +88.0; Dec. 17, +90.16.

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: 1947-52. May 15, +4.37; Oct. 15, +3.68; Dec. 18, +4.20.

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: 1947-52. May 15, +16.3; Oct. 15, +17.0; Dec. 18, +18.1.

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 11.8 above lsd, Oct. 15, 1952. Records available: 1942, 1944-52. May 15, +12.33; Oct. 15, +11.8; Dec. 17, +13.0.

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: 1950-52. May 15, +9.10; Oct. 16, +9.6; Dec. 17, +9.65.

#### 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: 1939-52. May 15, +7.33; Oct. 15, +6.9; Dec. 16, +7.53.

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 0.8 above lsd, Nov. 23, 1951. Records available: 1939-52. May 15, +1.74; Dec. 16, +2.08.

Ta-19. V. Stevens. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 7 S., R. 8 E., in field. 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: 1939-52. May 15, +15.28; Oct. 15, +14.7; Dec. 16, +17.95.

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 5.6 above lsd, Oct. 14, 1952. Records available: 1939-52. May 14, +6.55; Oct. 14, +5.6; Dec. 16, +6.60.

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: 1939-52. May 14, +3.96; Oct. 14, +3.0; Dec. 16, +4.35.

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 9.1 above lsd, May 17, 1949, Oct. 15, 1952. Records available: 1945-52. May 15, +10.00; Oct. 15, +9.1; Dec. 16, +12.5.

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. No measurement made in 1952.

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 75.9 above lsd, Oct. 17, 1952. Records available: 1951-52. May 16, +82.06; Oct. 17, +75.9; Dec. 16, +77.39.

#### 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 24.40 below lsd, Oct. 1, 1952. Records available: 1944-52. May 1, 21.82; Oct. 1, 24.40.

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 6.68 below lsd, Nov. 7, 1951. Records available: 1944-52. Apr. 30, 5.24; Oct. 1, 6.45.

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 5.90 below lsd, Oct. 1, 1952. Records available: 1946-52. Apr. 30, 4.03; Oct. 1, 5.90.

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 780 feet. Land-surface datum is 28.07 feet above msl. Highest water level 25.47 below lsd, Feb. 6, 1951; lowest 30.57 below lsd, June 27, 1951. Records available: 1951. No measurement made in 1952.

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 36.10 below lsd, July 7, 1948. Records available: 1944-52. May 1, 28.63; Oct. 1, 34.10.

Ve-57. Onezie Vincent. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 32, T. 11 S., R. 3 E. Drilled irrigation well, 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. No measurement made in 1952.

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 13.20 below lsd, Nov. 7, 1951. Records available: 1951. No measurement made in 1952.

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 12.05 below lsd, Oct. 1, 1952. Records available: 1944-52. Apr. 30, 9.84; Oct. 1, 12.05.

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. No measurement made in 1952.

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: 1944-52. Apr. 30, 14.52; Oct. 1, 16.32.

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 12.16 below lsd, Oct. 1, 1952. Records available: 1944-52. Apr. 30, 9.68; Oct. 1, 12.16.

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: 1945-52. Apr. 29, 13.04; Sept. 30, 19.20.

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: 1945-52. Apr. 29, 13.28; Sept. 30, 21.25.

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: 1946-52. Apr. 29, 17.97; Sept. 30, 26.16.

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: 1948-52. Apr. 29, 9.87; Sept. 30, 15.42.

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: 1951-52. Apr. 30, 7.62; Oct. 1, 9.91.

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: 1951-52. Apr. 30, 3.77; Oct. 1, 6.09.

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 1 $\frac{1}{2}$  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: 1950-52. Apr. 30, 8.71; Oct. 1, 12.07.

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. No measurement made in 1952.

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. No measurement made in 1952.

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: 1948-52. Apr. 30, 21.25; Oct. 1, 26.17.

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 8.2 below lsd, Mar. 27, 1950; lowest 20.0 below lsd, June 27-28, 1951. Records available: 1948-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.3	13.0	11.8	12.0	11.8	12.5	17.1	14.8	14.4	14.15	16.51	.....
2	13.3	12.8	11.8	11.7	11.7	12.4	16.9	14.6	14.3	14.17	16.50	.....
3	13.3	12.7	11.7	11.7	11.7	12.5	16.8	14.5	14.4	14.23	16.06	.....
4	13.2	12.8	11.8	11.9	11.7	12.5	16.2	14.4	14.4	14.26	16.46	.....
5	13.2	12.8	11.8	12.0	11.7	12.5	15.9	14.4	14.4	14.27	15.88	.....
6	13.2	12.7	11.8	11.9	11.8	12.6	15.9	14.4	14.4	14.30	15.56	.....
7	13.2	12.8	11.8	11.8	11.9	12.7	15.9	14.5	14.4	14.35	15.42	.....
8	13.2	12.7	11.8	11.7	12.1	12.7	16.6	14.5	14.5	14.34	15.28	.....
9	13.1	12.7	11.7	11.7	12.3	12.7	16.9	14.2	14.6	14.35	15.15	.....
10	13.3	12.6	11.6	11.6	12.5	13.0	17.3	14.1	14.5	14.37	15.04	.....
11	13.2	12.6	11.7	11.6	12.6	13.2	17.5	.....	14.52	14.38	15.00	.....
12	13.2	12.5	11.7	11.4	12.6	13.5	.....	.....	14.61	14.39	14.95	.....
13	13.2	12.6	11.7	11.4	12.9	13.9	.....	.....	14.64	14.37	h14.91	.....
14	13.1	12.5	11.7	11.5	13.1	.....	.....	.....	14.63	14.43	.....	.....
15	13.1	12.4	11.8	11.5	13.3	.....	.....	.....	14.52	14.43	.....	.....
16	13.1	12.4	11.8	11.4	13.4	.....	.....	.....	14.45	14.45	.....	.....
17	13.1	12.4	11.8	11.4	13.5	.....	15.4	.....	14.39	14.46	.....	.....
18	13.1	12.3	11.7	11.4	13.5	.....	15.1	.....	14.29	14.49	.....	.....
19	13.1	12.3	11.8	11.4	13.1	.....	14.9	.....	14.28	14.52	.....	.....
20	13.1	12.3	11.9	11.4	12.9	.....	14.7	.....	14.26	14.52	.....	.....
21	13.1	12.3	11.8	11.4	12.7	.....	14.6	.....	14.19	14.57	.....	.....
22	13.1	12.1	11.8	11.4	12.6	.....	14.5	.....	14.17	14.58	.....	h13.60
23	13.2	12.0	11.8	11.3	12.5	.....	14.4	.....	14.15	14.60	.....	13.64
24	13.2	12.0	11.8	11.3	12.5	.....	14.3	.....	14.14	14.64	.....	13.63
25	13.1	12.0	11.9	11.3	12.4	15.8	14.3	.....	14.13	14.74	.....	13.54
26	13.1	12.0	11.9	11.3	12.3	16.5	14.2	14.2	14.13	14.89	.....	13.50
27	13.1	12.0	11.8	11.3	12.3	16.9	14.2	14.2	14.13	14.90	.....	13.44
28	13.1	11.9	11.7	11.3	12.2	16.7	14.2	14.3	14.14	14.96	.....	13.38
29	13.1	11.8	11.7	11.6	12.2	16.7	14.4	14.4	14.15	15.05	.....	13.29
30	13.1	.....	11.7	11.8	12.2	17.6	14.6	14.4	14.17	16.22	.....	13.11
31	13.1	.....	11.9	.....	12.5	.....	14.8	14.5	.....	16.51	.....	13.20

h Tape measurement.

Ve-507. Jonas Well. 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: 1950-52. Apr. 30, 3.18; Oct. 1, 6.04.

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: 1950-52. Apr. 30, 11.06; Oct. 1, 12.41.

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 18.17 below lsd, Nov. 23, 1951. Records available: 1950-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.4	17.1	16.7	15.8	16.7	18.8	18.07	17.45	17.65	18.35	18.20
2	.....	16.2	16.8	16.7	15.4	16.7	18.9	18.14	17.52	17.62	18.37	18.13
3	.....	16.0	16.7	16.4	15.5	16.7	.....	18.20	17.62	17.81	18.38	18.13
4	.....	16.0	16.8	15.7	15.5	.....	.....	18.22	17.57	18.20	18.55	18.05
5	.....	16.3	16.5	15.8	15.8	.....	.....	18.33	17.50	18.18	18.46	18.08
6	.....	16.2	16.5	15.7	.....	.....	.....	18.18	17.61	18.08	18.35	18.07
7	.....	16.7	16.5	15.6	15.8	.....	17.83	18.10	17.72	18.12	18.43	17.93
8	.....	16.7	15.0	15.4	16.0	.....	17.68	17.67	17.92	18.13	18.40	17.76
9	.....	16.5	14.8	15.4	15.9	.....	17.82	18.05	17.70	18.11	18.30	17.72
10	.....	16.5	14.5	15.3	15.8	.....	18.14	17.73	17.61	18.14	18.27	17.68
11	.....	16.4	14.5	15.3	16.0	.....	18.20	17.82	17.47	18.12	18.25	17.70
12	.....	16.1	16.0	.....	16.0	16.6	18.20	17.67	18.40	18.11	18.55	17.65
13	.....	16.0	16.2	.....	16.2	16.7	18.31	.....	18.37	18.11	17.25	17.75
14	.....	15.8	16.3	.....	16.4	16.8	18.36	17.50	18.41	18.10	17.43	17.75
15	.....	16.4	16.3	.....	16.3	16.9	.....	17.52	18.38	17.96	18.00	17.64
16	.....	16.9	16.4	.....	16.6	17.1	.....	17.52	18.48	17.93	17.98	17.70
17	.....	17.1	16.0	.....	16.6	17.3	18.42	17.52	18.50	18.11	17.97	17.63
18	.....	17.1	16.2	.....	16.6	17.5	18.38	17.50	18.53	.....	17.85	17.53
19	.....	16.9	16.7	.....	16.6	17.6	18.32	17.42	18.63	.....	18.10	16.36
20	.....	16.8	14.7	.....	.....	17.6	18.27	17.52	18.63	18.12	18.27	17.68
21	.....	16.8	14.7	.....	.....	17.6	18.22	17.48	18.63	18.13	18.33	17.73
22	.....	.....	14.7	16.2	.....	17.7	18.21	17.48	18.65	18.13	18.33	16.94
23	.....	.....	16.2	15.8	.....	17.7	18.15	.....	18.24	18.08	18.30	16.13
24	.....	.....	16.2	15.7	.....	.....	18.02	.....	17.92	18.05	18.11	.....
25	.....	.....	16.0	15.7	.....	18.2	17.99	.....	17.87	18.15	17.60	15.93
26	.....	16.6	15.9	15.7	.....	18.3	17.96	.....	18.20	18.22	18.14	15.93
27	.....	16.6	15.9	15.4	16.6	18.3	17.89	.....	.....	18.17	18.28	15.91
28	.....	16.3	14.9	15.5	16.8	18.6	18.04	.....	.....	18.17	18.25	15.83
29	.....	16.4	16.8	.....	16.9	18.8	17.77	18.05	18.17	18.35	18.34	15.83
30	.....	.....	16.8	.....	16.5	.....	16.40	17.45	17.50	18.17	18.31	15.64
31	.....	.....	16.7	.....	16.6	.....	17.70	17.45	.....	18.32	.....	15.00

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 14.47 below lsd, June 28, 1951. Records available: 1951-52. Apr. 30, 11.89; Oct. 1, 14.19.

#### 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 207.20 below lsd, Aug. 11, 1952. Records available: 1952.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	194.4	199.3	196.4	.....	204.8	201.5	200.79	199.17	197.03
2	.....	.....	.....	195.1	199.5	196.5	.....	204.4	201.1	201.49	198.38	197.32
3	.....	.....	.....	194.9	198.4	197.0	.....	205.4	202.87	200.95	198.10	197.03
4	.....	.....	.....	195.0	196.6	198.2	.....	206.4	200.88	201.40	198.25	197.78
5	.....	.....	.....	195.0	196.5	199.7	.....	206.6	199.83	199.93	198.34	197.53
6	.....	.....	.....	194.6	196.6	200.4	.....	206.1	199.80	199.82	197.94	198.10
7	.....	.....	.....	194.1	197.1	200.7	.....	206.3	201.05	199.70	198.65	196.89
8	.....	.....	.....	194.4	197.4	199.2	.....	206.2	200.80	200.29	198.47	197.13
9	.....	.....	.....	194.7	197.3	198.3	.....	205.9	201.92	200.07	197.98	197.35
10	.....	.....	.....	194.6	198.3	199.1	.....	206.4	202.65	200.87	197.52	197.82

## V-104--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	.....	.....	195.1	196.6	198.8	.....	207.0	202.75	200.71	197.82	197.22
12	.....	.....	.....	196.0	196.0	198.9	202.8	206.1	203.22	200.28	197.50	197.73
13	.....	.....	.....	194.7	197.2	199.3	201.5	206.6	202.88	199.40	198.27	197.09
14	.....	191.6	.....	195.1	197.2	200.2	200.8	205.5	201.97	200.46	197.88	196.72
15	.....	192.1	.....	194.8	197.8	198.6	200.7	206.0	201.15	200.12	198.61	196.32
16	.....	.....	.....	195.4	197.5	198.7	199.8	205.1	202.13	200.55	197.43	197.03
17	.....	.....	.....	195.9	198.4	198.9	200.7	206.3	201.84	199.86	197.60	196.78
18	.....	.....	.....	196.0	197.1	199.5	201.0	205.6	202.20	200.86	197.46	196.92
19	.....	.....	.....	196.1	196.5	199.2	201.3	205.4	201.72	199.37	197.65	196.48
20	.....	.....	.....	195.0	196.7	200.3	200.7	204.8	202.41	199.32	197.50	196.49
21	.....	.....	.....	194.6	197.3	201.2	200.8	204.6	201.25	199.27	198.25	195.74
22	.....	.....	.....	195.5	197.1	200.5	200.5	202.8	201.27	199.78	198.31	195.52
23	.....	.....	.....	195.0	197.8	202.0	201.3	204.3	201.10	199.53	197.73	195.50
24	.....	.....	.....	195.8	198.0	201.9	201.4	204.0	201.69	199.64	197.01	195.90
25	.....	.....	.....	195.3	197.8	201.9	202.0	204.5	201.40	199.63	197.78	195.37
26	.....	.....	.....	196.2	197.2	201.7	202.7	203.9	201.82	199.25	197.39	195.07
27	.....	.....	195.1	195.4	198.0	201.8	202.1	204.2	201.94	198.66	198.00	194.40
28	.....	.....	195.1	195.2	197.8	.....	201.3	204.3	201.34	199.18	197.46	194.41
29	.....	.....	195.1	197.5	198.0	.....	201.9	204.3	200.74	199.10	197.55	195.39
30	.....	.....	194.6	198.9	198.1	.....	200.9	204.1	201.41	199.06	196.92	194.47
31	.....	.....	194.0	.....	197.4	.....	202.6	202.5	.....	199.04	.....	194.37

## 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 0.3 below lsd, Feb. 7-13, 1950; lowest 25.09 below lsd, Sept. 2, 1952. Records available: 1949-52.

## Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.7	16.8	16.9	16.8	.....	.....	.....	18.02	14.08	.....	21.60	21.10
2	6.3	16.9	16.8	17.4	.....	.....	.....	19.06	17.08	.....	21.52	20.71
3	6.1	.....	16.8	.....	.....	.....	.....	19.16	16.73	.....	21.47	20.88
4	4.2	.....	16.9	.....	.....	.....	.....	19.94	16.28	.....	21.43	20.92
5	3.3	.....	17.0	.....	.....	.....	.....	19.30	15.58	.....	21.38	21.05
6	2.8	.....	17.1	.....	.....	.....	.....	19.22	14.78	.....	21.36	21.00
7	2.5	13.8	17.2	.....	.....	.....	.....	18.95	14.52	.....	21.40	20.97
8	2.3	15.1	17.3	.....	.....	.....	.....	18.94	14.56	.....	21.34	20.90
9	1.8	15.7	17.3	.....	.....	.....	.....	18.86	14.54	.....	21.29	20.88
10	1.9	15.8	17.2	.....	.....	.....	.....	18.71	14.64	.....	21.06	20.86
11	1.9	16.4	17.5	.....	.....	.....	.....	18.90	14.57	.....	21.18	20.93
12	7.5	16.2	17.9	.....	.....	.....	.....	17.90	14.70	.....	21.20	20.89
13	12.2	16.7	17.8	.....	.....	.....	.....	15.65	14.93	.....	21.18	21.00
14	14.2	16.7	18.0	.....	.....	.....	.....	16.68	15.20	.....	21.25	20.98
15	15.2	16.5	15.0	.....	.....	.....	.....	16.64	.....	.....	21.27	21.02
16	15.8	16.6	18.1	.....	22.4	.....	.....	16.58	.....	.....	21.27	21.01
17	16.4	16.8	18.0	.....	22.6	.....	.....	16.58	.....	17.05	21.22	20.93
18	16.5	16.9	18.1	.....	22.9	.....	.....	16.42	.....	18.99	21.20	20.93
19	16.3	17.4	18.3	.....	22.4	.....	.....	15.70	.....	18.98	21.14	20.92
20	17.3	17.1	18.3	.....	22.3	.....	.....	14.40	.....	19.01	21.15	20.87
21	12.8	17.3	18.2	.....	21.9	.....	.....	14.75	.....	19.10	21.16	20.87
22	13.4	17.0	18.2	.....	21.9	.....	.....	13.84	.....	20.97	21.25	20.84
23	16.2	17.1	18.2	.....	22.0	.....	.....	13.92	.....	21.33	21.42	20.88
24	16.1	17.2	18.1	.....	21.7	.....	.....	13.29	.....	21.40	21.38	20.22
25	16.4	17.2	.....	.....	21.9	.....	19.74	13.00	.....	21.52	21.30	13.80
26	16.7	17.1	.....	.....	21.3	.....	19.68	14.50	.....	21.62	21.14	17.50
27	16.7	17.1	.....	.....	21.7	.....	19.53	14.60	.....	21.62	21.20	19.92
28	16.8	16.9	12.2	.....	13.2	.....	19.35	13.70	.....	21.49	21.22	20.70
29	16.7	16.9	14.8	.....	.....	.....	18.87	14.03	.....	21.81	20.87	20.95
30	16.6	.....	16.3	.....	.....	.....	18.47	15.86	.....	21.82	21.14	20.57
31	16.6	.....	17.0	.....	.....	.....	18.25	14.28	.....	21.66	.....	19.62

Wa-14. Town of Bogalusa. Robinson and Madison Sts. 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: 1950-52. May 16, +11.00; Oct. 16, +5.8; Dec. 17, +10.2.

Wa-15. Town of Bogalusa. North Ave. and Warren St. Drilled unused artesian well in sand of Pleistocene age, diameter 12 inches, depth 770 feet. Highest water level 29.8 above lsd, Apr. 18, 1950; lowest 9.9 above lsd, Nov. 29, 1950. Records available: 1950-52. May 16, +12.35; Oct. 16, +11.5; Dec. 17, +10.25.

Wa-18. Town of Franklinton. 50 feet south of ground-storage reservoir. 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: 1949-52. May 16, +30.07; Oct. 17, +26.7; Dec. 16, +26.5.

Wa-38. Town of Franklinton. 75 feet east of ground-storage reservoir. 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. May 16, +42.7.

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 12.5 above lsd, Oct. 16, 1952. Records available: 1950, 1952. Oct. 16, +12.5; Dec. 17, +22.9.

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: 1950-52. May 16, +24.6; Oct. 16, +25.4.

#### 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 150.73 below lsd, Oct. 7, 1952; lowest 169.88 below lsd, Jan. 6, 1950. Records available: 1947-52. Jan. 11, 154.74; Feb. 7, 153.73; Apr. 4, 156.89; June 18, 150.88; Aug. 29, 150.96; Oct. 7, 150.73; Dec. 4, 153.70.

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 16 to 12 inches, depth 312 feet. Highest water level 98.77 below lsd, July 5, 1952; lowest 169.20 below lsd, Oct. 8, 1947. Records available: 1947-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	109.3	109.7	110.5	106.7	105.7	104.5	107.6	106.10	104.48	103.96	101.00
2	.....	109.2	109.7	110.5	107.0	105.6	104.4	107.7	105.58	104.49	104.05	101.27
3	.....	109.1	109.7	110.6	107.2	105.6	104.5	107.5	105.19	104.58	104.25	100.87
4	.....	109.0	109.7	110.2	107.3	105.9	103.0	107.7	105.42	104.55	104.35	100.87
5	112.8	109.0	109.9	110.5	107.3	105.4	99.6	107.7	104.88	104.56	104.40	103.50
6	112.9	109.1	110.0	110.4	107.0	105.8	102.2	107.7	105.03	104.58	104.51	104.09
7	112.7	109.2	110.0	110.5	106.6	105.6	102.9	107.6	105.08	104.56	104.65	104.38
8	112.5	109.1	110.2	110.3	106.6	105.6	103.3	107.5	105.03	104.49	105.60	104.53
9	112.7	109.1	110.1	110.2	106.4	105.7	103.5	107.5	105.05	104.49	105.62	104.77
10	112.7	109.9	109.9	110.2	106.4	105.7	103.7	107.6	104.96	104.40	105.78	103.85
11	112.8	108.9	110.0	108.3	106.3	105.7	103.8	107.5	105.00	104.50	105.92	103.28
12	112.7	108.8	109.9	107.4	106.0	106.1	103.9	107.5	105.00	104.41	106.04	103.10
13	112.6	107.5	109.9	105.6	106.2	106.5	103.9	107.7	105.00	104.42	106.07	101.32
14	112.4	108.6	110.3	107.1	106.0	106.8	104.0	107.8	104.92	104.38	106.14	105.12
15	112.4	108.6	110.9	108.2	105.9	107.0	104.1	107.7	105.00	104.37	106.24	105.84
16	112.2	108.4	111.0	108.5	106.1	106.8	102.4	107.8	104.86	104.42	106.33	102.25
17	112.1	108.6	111.1	108.4	106.1	107.2	101.9	107.8	104.76	104.38	106.32	104.06
18	112.1	108.7	110.9	108.6	106.1	107.2	101.6	107.0	104.68	104.47	106.23	102.68
19	111.8	108.6	110.8	108.6	106.0	107.0	101.4	106.7	104.68	104.42	106.35	102.07
20	110.4	108.3	110.9	108.6	105.9	107.0	101.1	106.5	104.68	104.45	104.15	101.75
21	109.8	108.7	110.9	108.4	105.7	107.2	101.1	106.0	104.60	104.48	102.79	101.42
22	109.6	108.8	110.9	108.3	105.9	107.3	100.9	106.2	104.61	104.43	102.36	101.13
23	109.6	108.9	110.8	108.1	105.9	107.4	100.7	106.1	104.54	104.40	102.02	101.00
24	109.6	109.1	110.9	107.5	105.9	107.4	103.3	106.1	104.57	104.38	101.68	100.87
25	109.4	109.3	110.7	107.4	106.1	107.4	105.3	105.3	104.55	104.32	101.32	100.72
26	109.2	109.4	110.8	107.3	106.1	108.0	105.8	105.7	104.48	104.19	101.32	100.64
27	109.1	109.5	110.8	107.0	105.8	106.9	106.7	106.2	104.49	104.09	101.43	100.55
28	109.0	109.4	110.8	106.9	106.0	105.9	107.0	106.0	104.50	104.10	101.42	100.37
29	109.2	109.4	110.8	106.9	105.7	105.5	107.2	105.94	104.50	104.14	101.16	100.23
30	109.4		110.7	106.8	105.8	104.7	107.4	105.86	104.47	104.08	101.27	99.98
31	109.3		110.4		105.7		107.6	105.20		103.98		99.94



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 89.68 below lsd, Feb. 7, Apr. 4, 1952; lowest 100.86 below lsd, July 5, 1950. Records available: 1950-52. Feb. 7, 89.68; Apr. 4, 89.68.

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 150 feet. Highest water level 44.10 below lsd, Feb. 19, 1948; lowest 68.80 below lsd, Dec. 2, 1949. Records available: 1947-52.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	61.6	61.0	59.4	58.0	56.0	54.6	54.9	55.1	57.51	58.45	58.65	61.43
2	61.7	60.6	59.0	58.3	56.2	.....	54.9	55.1	57.52	58.68	58.70	61.48
3	61.8	60.2	58.9	58.0	56.2	.....	55.0	55.2	57.78	58.86	58.90	61.40
4	61.6	60.6	59.4	58.0	56.4	.....	55.1	55.3	57.70	58.70	58.92	61.38
5	61.7	60.6	59.5	58.4	56.6	.....	55.1	55.5	57.68	58.64	58.69	61.67
6	61.9	60.8	59.4	58.4	56.8	.....	54.9	55.6	57.73	58.93	58.75	61.45
7	61.8	60.7	59.4	58.2	55.4	.....	54.9	55.7	57.78	59.05	58.85	61.35
8	61.4	60.4	59.2	58.1	54.9	.....	54.8	55.7	57.83	58.85	58.66	61.40
9	61.3	60.5	58.8	58.1	55.1	.....	54.9	55.8	57.88	58.80	58.37	61.34
10	61.9	60.3	58.3	58.3	55.0	.....	54.8	55.8	58.00	58.87	58.65	61.67
11	61.9	60.3	59.0	58.1	54.7	.....	54.9	55.9	58.07	58.90	58.78	61.26
12	61.8	60.0	58.5	57.7	54.7	.....	55.1	56.1	58.20	58.79	57.80	61.37
13	61.7	59.5	58.5	56.4	54.7	.....	55.1	56.2	58.20	58.76	57.40	61.45
14	61.5	60.0	58.7	57.9	54.9	.....	55.0	56.2	58.15	58.71	57.79	61.53
15	61.7	59.9	58.9	58.1	55.0	.....	54.9	56.2	58.20	58.90	57.30	61.62
16	61.7	59.8	58.9	58.1	55.0	.....	54.9	56.2	58.35	58.91	57.30	61.54
17	61.6	60.1	58.6	58.1	54.8	.....	54.9	56.3	58.55	58.91	57.23	61.48
18	61.7	60.0	58.1	58.0	54.8	.....	55.1	56.4	58.70	59.03	60.10	60.98
19	61.4	59.7	58.3	57.8	54.9	55.2	55.1	56.4	58.52	58.88	60.58	61.18
20	61.5	59.9	58.3	57.7	54.9	55.2	55.1	56.4	58.35	58.95	60.78	59.60
21	61.2	59.9	58.0	57.6	55.0	55.2	55.1	56.5	58.22	59.12	60.98	61.40
22	61.3	59.6	58.3	57.6	55.0	55.2	55.1	56.6	58.17	59.05	61.02	61.10
23	61.8	59.6	56.5	57.5	55.0	55.2	55.2	56.8	58.26	59.00	61.23	61.50
24	61.8	59.5	58.2	57.4	54.7	55.1	55.2	56.9	58.37	58.89	61.03	61.60
25	61.3	59.6	58.2	57.0	54.6	55.0	55.1	57.0	58.33	58.81	60.75	62.08
26	61.2	59.6	58.3	55.4	54.6	55.1	55.2	57.1	58.32	58.82	61.50	62.00
27	61.2	59.4	58.4	55.0	54.5	55.1	55.2	57.1	58.30	58.74	61.72	61.82
28	61.4	59.0	58.4	55.2	54.4	55.1	55.2	57.1	58.32	58.95	61.80	61.78
29	61.4	58.8	58.3	55.4	54.4	55.0	54.9	57.20	58.50	59.10	61.65	61.56
30	61.3		58.2	55.7	54.3	54.9	55.2	57.19	58.57	58.91	61.82	61.26
31	61.2		57.9		56.5		55.3	57.25		58.71		61.48

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: 1948-52. Jan. 11, 25.58; Feb. 4, 23.53; June 18, 23.74; Aug. 28, 25.63; Oct. 6, 26.82; Dec. 3, 26.80.

#### West Baton Rouge Parish

WBR-5. Town of Port Allen. Sec. 66, T. 7 S., R. 12 E. Drilled public-supply well, 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 1952.

#### 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 42.34 below lsd, Aug. 29, 1952. Records available: 1949-52. Jan. 11, 34.17; Feb. 8, 33.97; Apr. 5, 33.80; June 18, 35.94; Aug. 29, 42.34; Oct. 9, 38.35; Dec. 4, 34.54.

## OKLAHOMA

By Carl E. Steele

### Scope of Water-Level Program

The observation-well program in Oklahoma, begun in 1934, was continued in 1952 in cooperation with State agencies. Most of the program was conducted in cooperation with the Oklahoma Geological Survey and the Oklahoma Planning and Resources Board. In the Stillwater Creek basin, the program was continued in cooperation with the Department of Agronomy of the Oklahoma Agricultural and Mechanical College. Measurements in an irrigation well at the Southwestern Cotton Substation, operated by the Oklahoma Agricultural and Mechanical College and the U. S. Department of Agriculture, near Tipton, were continued in 1952. In 1952 measurements were made in 316 observation wells. Recording gages were operated throughout the year in 6 wells, and for shorter periods in 2 wells. Figures 9, 10, 11, 12, and 13 show the location of the observation wells in Oklahoma.

### Precipitation

Precipitation for the year averaged 23.62 inches, 9.77 inches below, or 71 percent of normal. It was the driest calendar year since 1936, and the fifth driest since 1900. Amounts reported by stations ranged from less than 10 inches in the Panhandle to more than 40 inches in part of southeastern Oklahoma. The least annual precipitation was in southern Texas County, where Hardesty recorded only 8.10 inches, Guymon 9.15 inches, and Goodwell 9.16 inches. The 8.10 inches at Hardesty was the least ever recorded in a calendar year by an official weather station in Oklahoma. The greatest annual precipitation was 53.90 inches at Carnasaw Tower in McCurtain County, and the greatest monthly precipitation was 11.89 inches during April at Kiamichi Tower in Le Flore County. Departures from normal for the entire State ranged from -19.10 inches at Vinita to +3.95 inches at Idabel, and the range of departures at stations in counties where observation wells are situated was from -15.05 inches at Clinton to +3.95 at Idabel.

Annual precipitation and departure from normal at selected stations in Oklahoma, 1952

Station	Total precipitation (inches)	Departure from normal (inches)	Station	Total precipitation (inches)	Departure from normal (inches)
Beaver	11.99	-7.37	Buffalo	19.83	-2.37
Sayre	14.23	-8.84	Altus	14.60	-10.89
Watonga	14.44	-13.47	Ponca City	21.86	-8.09
Carnegie	19.83	-8.83	Hennessey	15.78	-12.57
El Reno	19.30	-9.39	Hobart	15.92	-11.45
Hugo	44.10	- .40	Purcell	26.89	-8.00
Boise City	16.72	- .09	Idabel	48.19	+3.95
Norman	24.53	-8.69	Okla. City	23.29	-7.89
Lawton	28.95	-1.99	Stillwater	24.12	-9.23
Clinton	14.19	-15.05	Cheyenne	15.63	-10.19
Arnett	13.90	-9.95	Seminole	28.54	-11.36
Enid	18.54	-11.28	Goodwell	9.16	-7.78
Chickasha	23.54	-7.27	Frederick	22.90	-4.47
Mangum	15.45	-10.52	Cloud Chief	16.50	-11.33
Hollis	18.67	-7.87	Woodward	15.37	-9.70

### Pumpage

Records furnished by the Southwestern Public Service Company show that 22 percent more ground water was pumped in 1952 than in 1951 to meet the water needs of 7 towns in the Panhandle counties. The largest increase occurred at Beaver and was 31 percent. Other increases expressed in percentage were Guymon 27, Texhoma 21, Boise City 8, and Forgan 8. Hooker, Goodwell, and Tyrone have municipally owned water systems for which records of pumpage are not available. The water pumped for these towns was estimated as about 150 acre-feet, and the total pumpage for all municipalities in the Panhandle counties was estimated as about 2,265

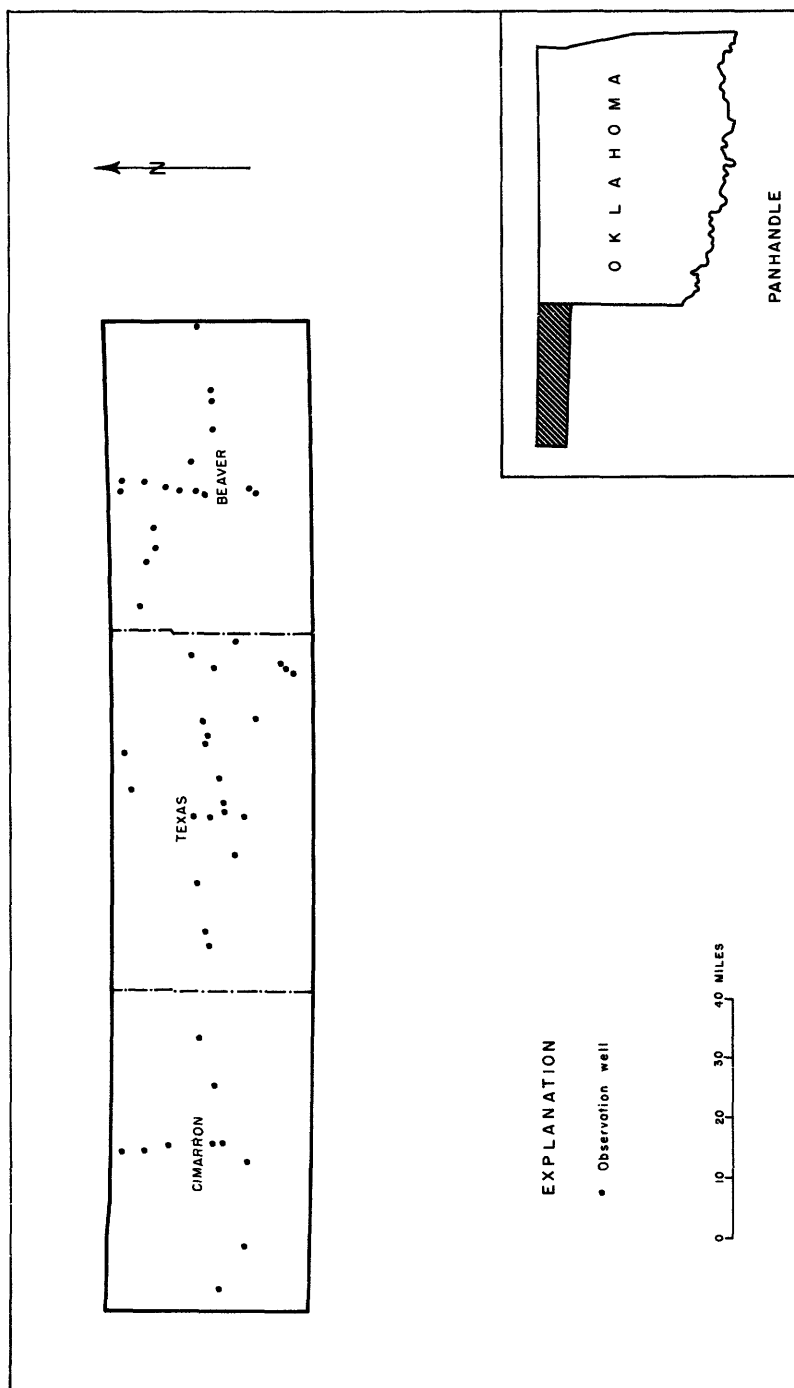


Figure 9. -- Location of observation wells in the Oklahoma Panhandle, 1952.

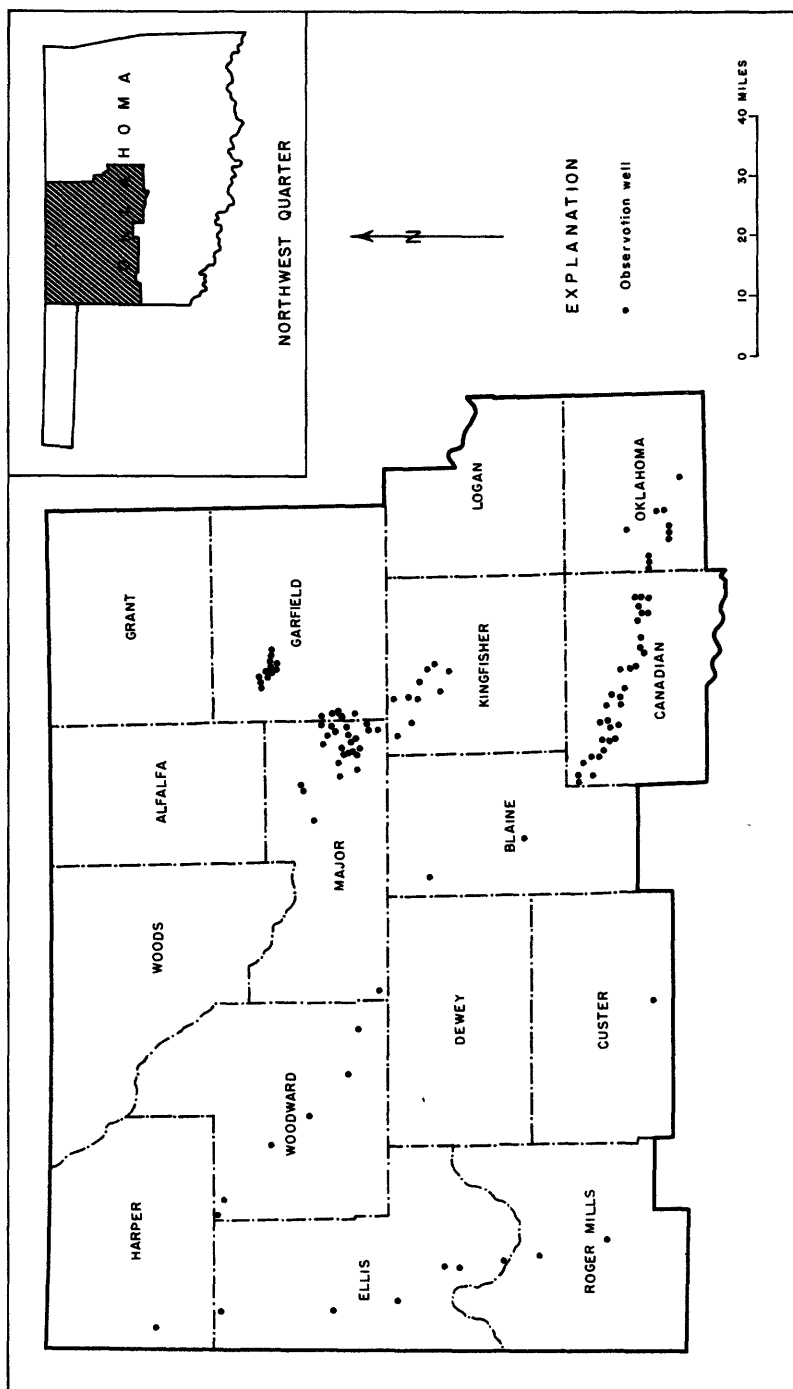


Figure 10. --Location of observation wells in northwestern Oklahoma, 1952.

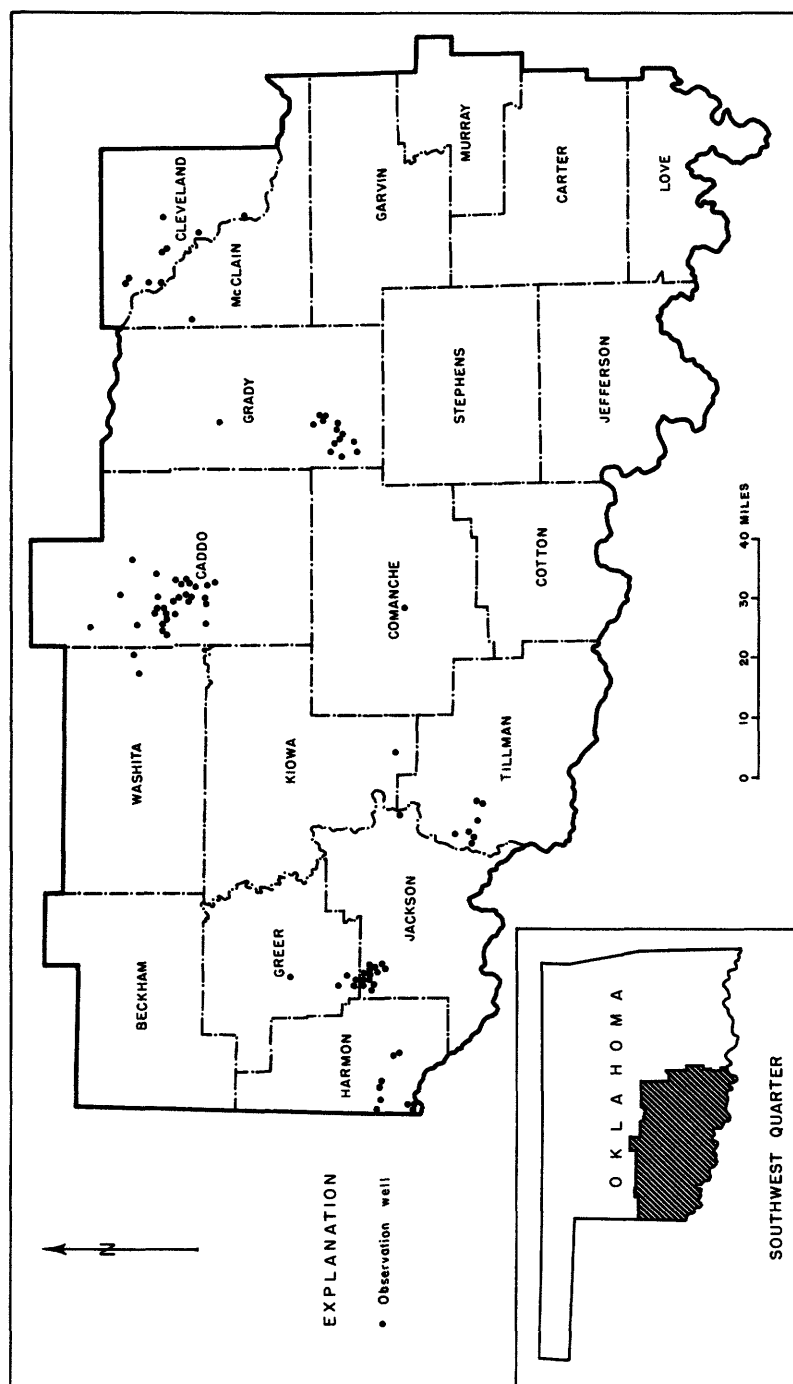


Figure 11. ---Location of observation wells in southwestern Oklahoma, 1952.

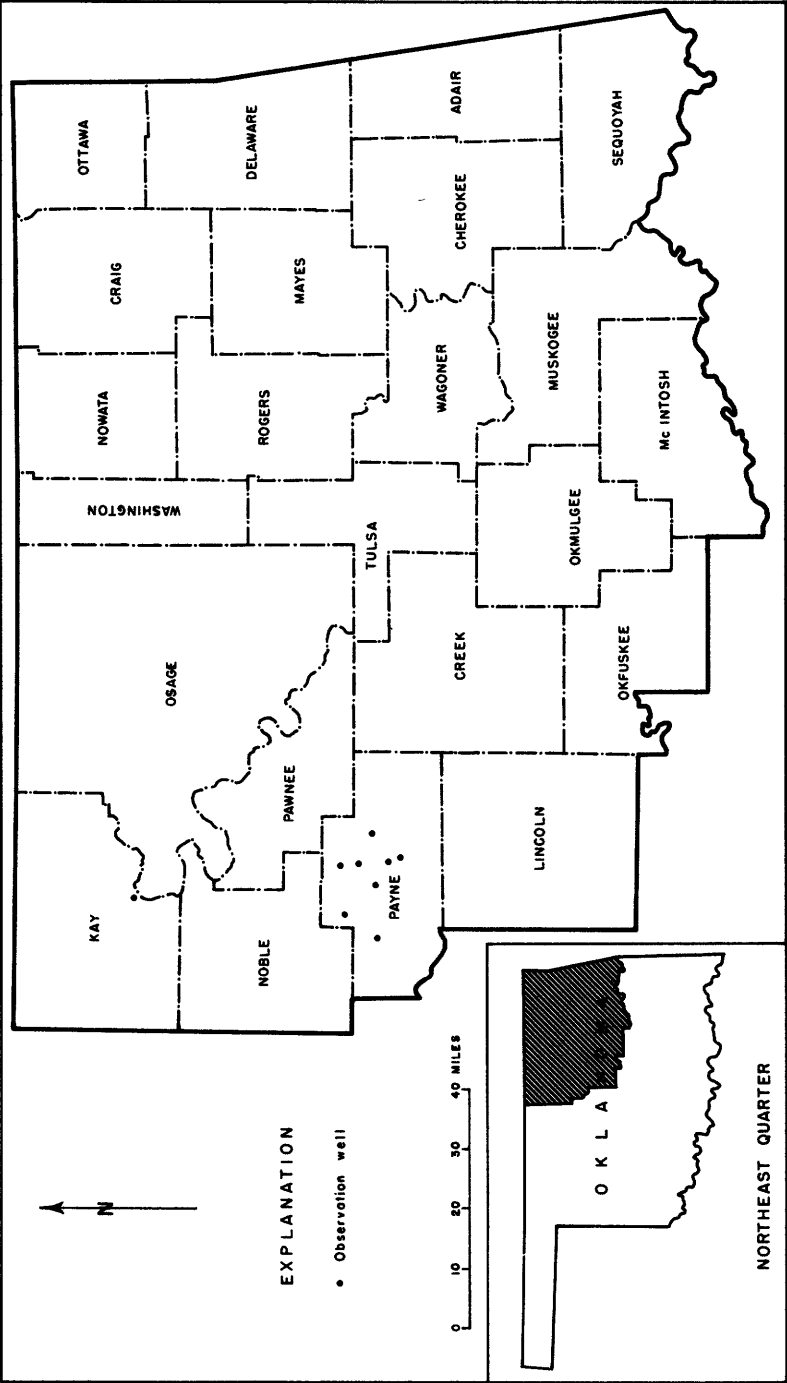


Figure 12. --Location of observation wells in northeastern Oklahoma, 1952.

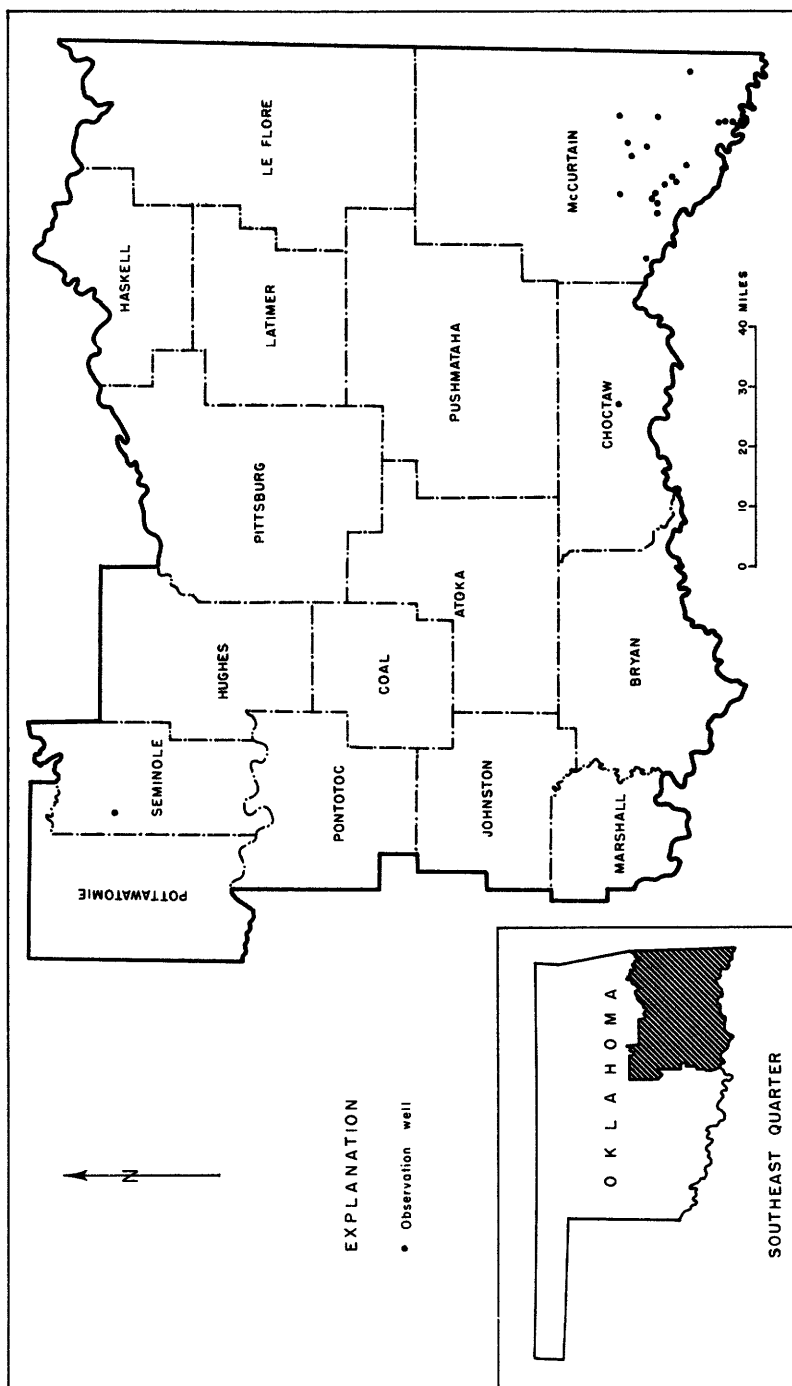


Figure 13. --- Location of observation wells in southeastern Oklahoma, 1952.

acre-feet. Water pumped for industrial use was not accurately measured, but was estimated to have been about 570 acre-feet. A complete inventory or irrigation pumpage in the Oklahoma Panhandle--the first since the end of World War II--has shown a substantial increase in use of ground water for irrigation. The summer of 1952 was hot and dry, and some of the older irrigation wells were pumped far more than during immediately preceding years. Wells completed in 1951 and 1952 added substantially to the total quantity of water pumped. Although the increase was real and large, it was not so great as would appear from comparison with the summaries of pumpage reported in Water-Supply Papers 1159, 1168, and 1194 because in previous years estimates for several wells were not reported and pumpage of others probably was underestimated. The new inventories showed that in 1952 about 18,000 acre-feet of water was pumped from 69 wells for the irrigation of about 7,640 acres. Texas County led with 13,000 acre-feet pumped from 28 wells for irrigation of 5,640 acres. The total quantity of ground water pumped for all purposes--municipal, industrial, and irrigation--from wells in the Panhandle counties was estimated as about 21,280 acre-feet. In addition, several irrigators were pumping from sloughs, large open pits dug on the flood plains of creeks, or directly from creeks and rivers. As runoff was very low during the growing season, even the water taken directly from streams was mainly the effluent seepage of ground water. More than 2,000 acres was irrigated from the Cimarron River in Cimarron County, and about 255 acres was irrigated from several streams, or from sloughs or pits adjacent to streams, in Beaver County, but there was very little irrigation from such sources in Texas County. The water used in this way in Beaver County was estimated as about 390 acre-feet. An inventory made in the vicinity of Laverne and Rosston, Harper County, showed that about 440 acre-feet of water was pumped from 5 wells for the irrigation of about 250 acres. This is less than the total pumpage in Harper County because records were not obtained for all the wells that were pumped. In 1952 many new irrigation wells were drilled in Greer, Harmon, Jackson, and Tillman Counties, and an inventory shows that irrigation pumpage was relatively high because the precipitation was far below normal--although not so far below normal as the State average. In Greer and Jackson Counties the inventory showed that about 7,600 acre-feet of water was pumped from 30 wells not including an unknown amount pumped from 3 other wells. In Harmon County about 4,270 acre-feet was pumped from 26 wells to irrigate about 1,510 acres. More farms are irrigated in Tillman County than in any of the other three counties in the southwestern irrigation area, but yields are generally less per well, and the total pumpage is relatively lower. It was estimated that about 3,250 acre-feet of water was pumped from approximately 47 wells to irrigate nearly 2,000 acres. In addition to the irrigation wells actually used in Tillman County in 1952, between 25 and 35 new wells were drilled late in the year and were pumped but little.

#### Interpretation of Water-Level Fluctuations

**Alluvium.** --The only observation wells in the alluvium of the North Fork of Red River are Jackson County well 1 and Beckham County well 2. The water level in the Jackson County well rose 0.35 foot between April 1951 and March 1952; and the water level in the Beckham County well declined 1.60 feet between February and December 1952. Fluctuations of water levels in the alluvium of the Washita River were observed in Caddo County wells 2 and 3, Custer County well 1, Grady County well 76, and Roger Mills County well 1; all but Caddo 2 were measured in October 1951 and October 1952. During this 1-year period, water levels declined from 0.31 foot to 3.04 feet. In Caddo 2 the decline was 1.54 feet between October 1951 and August 1952. The average net decline (including Caddo 2) was 1.92 feet. Water-level fluctuations in the alluvium of the Canadian River were observed in Canadian County well G53, and Cleveland County wells 14 and 15. In all three wells the water levels were relatively low in January but thereafter rose until May, when the highest stage was recorded; then the water levels steadily declined with only minor variations. The range of water-level fluctuations was from 3.71 feet to 5.18 feet in the individual wells, and the net annual decline in the water level ranged from 1.65 to 1.95 feet. Water-level measurements were made in 35 wells in the alluvium of the North Canadian River during 1952: (a) a select group of 13 wells representative of ground water in the alluvium from Oklahoma City to Beaver; and (b) a larger group of 27 wells in Canadian County. Fluctuations of water levels in two of the wells that are closest to the river are considered to be a response principally to river stages. The highest stage in both of these wells was in May. The lowest stage in one of them was in October but the lowest in the other was in August. The net annual changes in these 2 wells, from October 1951 to October 1952, were declines of 0.50 foot and 0.15 foot, respectively. Of the other 11 wells of this group, all showed net annual declines of 0.02 foot to 4.88 feet, computed through the same 12-month period. The average net annual decline was 2.27 feet. Most of the water-level measurements in Canadian County were made in late spring, when water levels would normally be high, and again in early fall, when they would normally be low. A few wells were measured more frequently and they showed that the highs and lows came as expected, with only two exceptions. From the fall of 1951 to the fall of 1952 all 27 wells showed net annual declines ranging from 1.15 feet to 4.23 feet and averaging 2.18 feet. In the municipal well field of Ponca City, which is on the flood plain of the Arkansas River, Kay County well 1 was measured weekly. The water-level fluctuations are due to natural recharge and discharge, to regular pumping of nearby wells, and occasional pumping of the observation well itself. The highest water level occurred on January 3, and was followed by an irregular decline to the lowest level, which was recorded on December 25. The net annual change was a decline of 8.59 feet. The lowest water level in the 5-year period of observation was reached at the end of 1952, but was only slightly below the previous low recorded at the end of June 1950 (fig. 16).



**Garber sandstone and Wellington formation.** --The average net annual change in water levels for the 10 wells in the Garber sandstone and Wellington formation, in Oklahoma and Cleveland Counties, was a decline of 10.87 feet. All 10 wells showed declines of water level, which ranged from 1.49 feet (Oklahoma County well 2) to 43.65 feet (Oklahoma County well 4). Varying rates of pumping in the vicinities of the different observation wells obscured the fluctuations that may have been caused by natural recharge or discharge.

**Oklahoma Panhandle.** --As shown by the annual measurements made in May, the ground-water levels in the Oklahoma Panhandle (Beaver, Cimarron, and Texas Counties) have continued the upward trend of the past several years (fig. 14). The average was about 1.5 feet above the previous high recorded in May 1951, and 6.5 feet above the low recorded in November 1938. For the year, May 1951 to May 1952, the average rise was 1.70 feet in Beaver County, 0.52 foot in Cimarron County, and 2.30 feet in Texas County. Since November 1938, the average rise has been 7.63 feet in Beaver County, 5.35 feet in Cimarron County, and 6.56 feet in Texas County. In the following tables the wells are grouped according to counties and aquifers, and comparisons are made between water levels in 1951 and 1952.

Average water levels in groups of wells in Oklahoma Panhandle,  
in feet above assumed datum planes, 1951-52.

Date	Beaver County			Cimarron County		Texas County		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
May 1951	107.28	103.60	103.07	105.25	101.09	104.50	100.37	101.50
May 1952	*109.67	*104.15	103.16	*105.80	101.32	*107.02	*100.80	100.97

\* Highest observed during the period of record.

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

Weighted average of water levels in wells in Oklahoma Panhandle, by counties,  
in feet above assumed datum planes, 1951-52.

Date	Beaver	Cimarron	Texas	Average
	(1)	(2)	(3)	(4)
May 1951	105.94	104.83	104.27	105.01
May 1952	*107.64	*105.35	*106.39	*106.52

\* Highest observed during period of record.

1. Weighted average, in which wells in northwestern part of county represent 65 percent of total area; wells in southeastern part, 25 percent; and wells in alluvium, 10 percent.
2. Weighted average, in which upland wells in Ogallala formation and Dakota sandstone represent 90 percent of total area and wells in alluvium, 10 percent.
3. Weighted average, in which 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.

**Rush Springs sandstone.** --Water-level measurements were made weekly or monthly throughout the year in 20 wells in the Rush Springs sandstone of Caddo County, and recording gages were operated in 2 wells. In 1 well there was a net annual rise of 0.58 foot, whereas in the other 21 wells the net annual changes were declines ranging from 0.37 foot to 2.18 feet. The average net annual change was a decline of 1.15 feet. All comparisons are made between December 1951 and December 1952. In Grady County, fluctuations of water levels in 12 wells ranged from 1.04 to 7.66 feet and averaged 2.67 feet. These fluctuations are apparently in response to natural recharge and discharge, as there is no heavy pumping in the area. Of the 12 wells, 2 showed net annual rises of 0.59 foot and 1.46 feet, while the other 10 wells showed net annual declines ranging from 0.30 foot to 1.41 feet between December 1951 and December 1952. The average net annual decline was 0.59 foot. Water levels were measured weekly in Washita County wells 6 and 13. Net annual changes were declines of 0.66 foot and 1.29 feet, respectively, between December 1951 and December 1952. Figure 18 shows water levels from 4 recording gages showing vertical fluctuations probably caused by earthquake in Tulare Valley, Calif., July 21, 1952.

**Southwestern irrigation areas.** --Water-level measurements were made in 14 wells in Greer and Jackson Counties in April 1951 and in February or March 1952. In 6 wells the water levels rose from 0.05 foot to 6.04 feet between April 1951 and March 1952, while in 7 other wells the water levels declined from 0.15 to 6.95 feet. In another, the water level declined 0.27 foot between April 1951 and February 1952. The average change in water levels between 1951 and

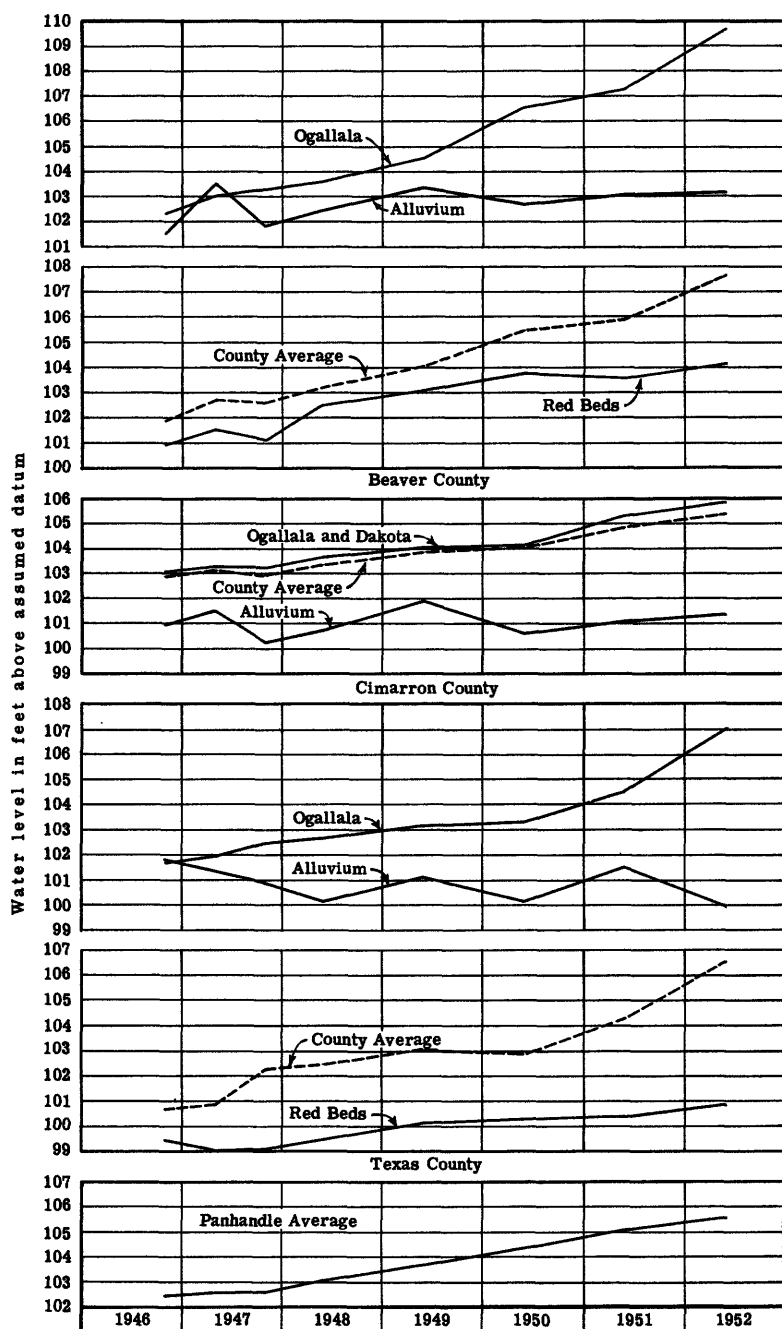


Figure 14. --Water levels in selected wells in the Oklahoma Panhandle, 1946-52.

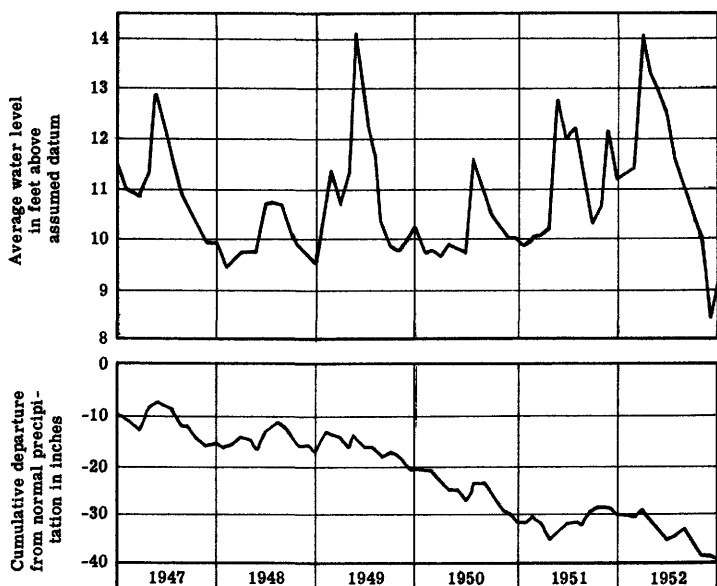


Figure 15. --Average water level in 8 wells in the Stillwater Creek basin and cumulative departure from normal precipitation, Stillwater, Okla., 1947-52.

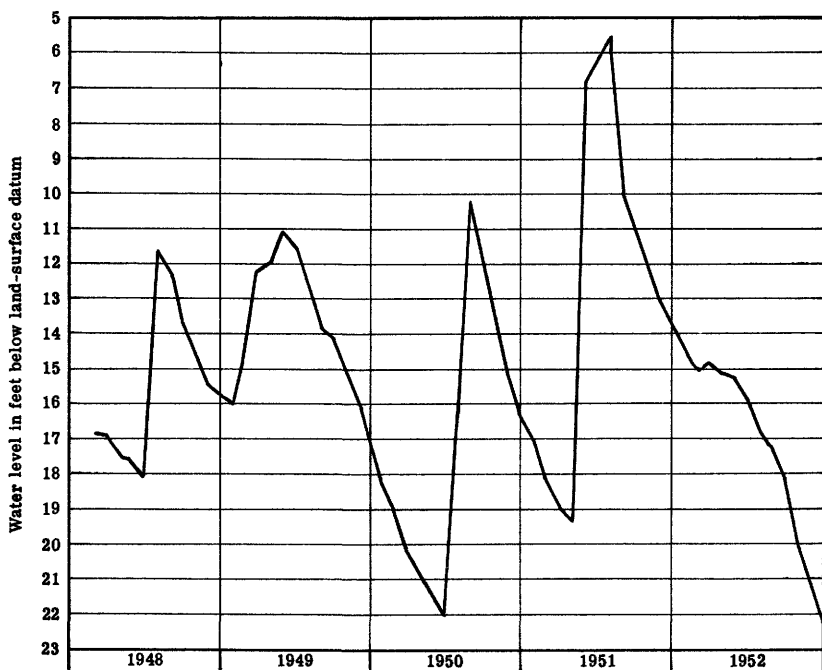


Figure 16. --Water level in well 1, Kay County, Okla., 1948-52.

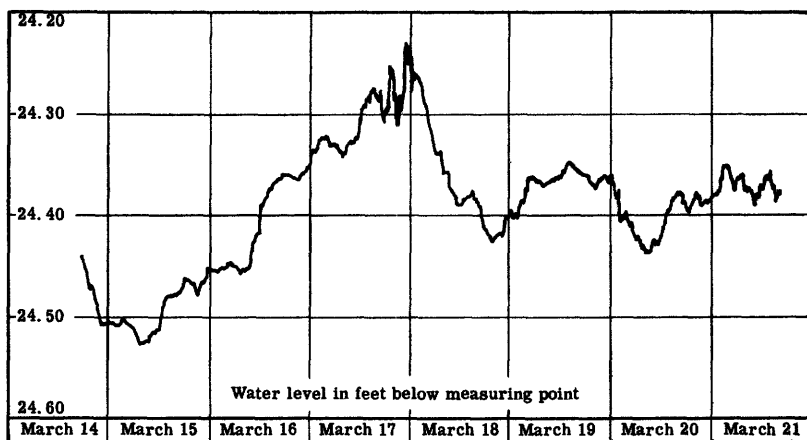


Figure 17.--Typical fluctuations of water level shown by recording gage in well 3, Major County, Okla., March 14-21, 1952.

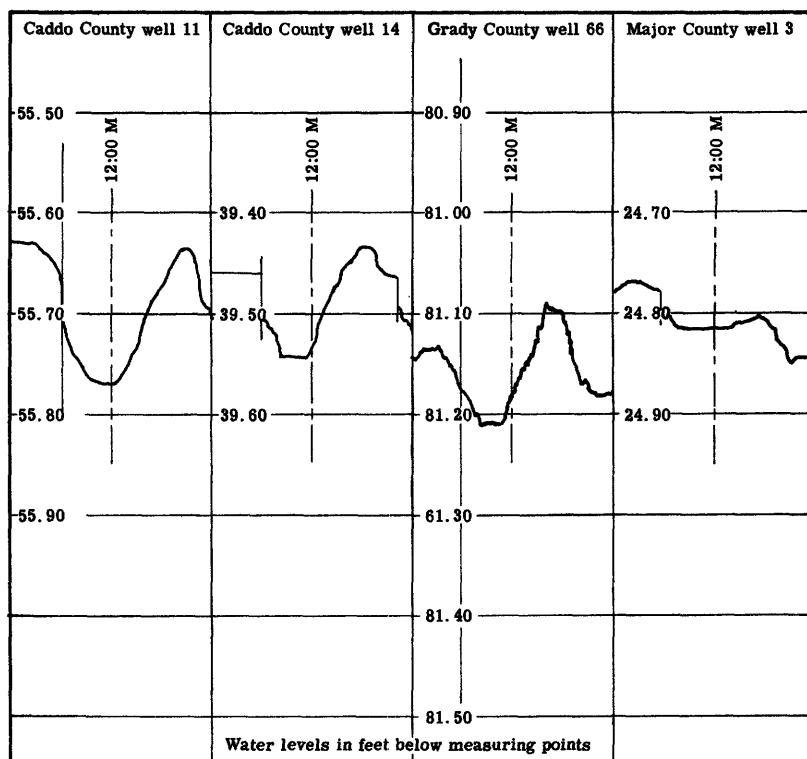


Figure 18.--Water levels from 4 recording gages in Oklahoma showing vertical fluctuations probably caused by earthquake in Tulare Valley, Calif., July 21, 1952.

1952 was a decline of 0.42 foot. Of the 9 observation wells in Harmon County, only 4 were measured in both 1951 and 1952. Water levels rose an average of 3.28 feet in 3 of them but declined 0.87 foot in the other. Water-level measurements were made in 4 wells in Tillman County in April of both 1951 and 1952. The net annual change of water levels was a rise ranging from 0.31 foot to 1.09 feet in the different wells, and averaging 0.75 foot.

**Stillwater Creek basin.** --Measurements of water levels in the observation wells of the Stillwater Creek basin (Payne County) were made near the end of each month. During the 12 months, December 1951 to December 1952, 4 wells showed rises ranging from 0.38 foot to 3.76 feet, while 4 other wells showed declines ranging from 1.64 to 5.20 feet. The average range of water-level fluctuations in 8 wells was 6.53 feet, and in December 1952 the average water level was 1.16 feet lower than in December 1951 (fig. 15).

**Terrace deposits.** --Records for the irrigation well at the Southwestern Cotton Substation, in Tillman County, showed a range of 7.61 feet in water-level fluctuations in 1952. The highest level was on July 21, and the lowest occurred about six weeks later, on September 1. The net annual change of water level from December 1951 to December 1952 was a decline of 2.36 feet. Unlike the record of 1951, the record of 1952 showed no particular pattern or trend of fluctuations. Oklahoma County wells 10, 11, and 12 tap water in terrace deposits from which water is pumped for industrial and domestic purposes. From the beginning of the records, in 1945, to the end of December 1952, the net declines of water levels in these wells have been 0.73 foot, 4.50 feet, and 4.01 feet, respectively. During 1952, well 10, which is the nearest to Bethany, showed a small rise of 0.35 foot. This rise, probably reflects the filling of the cone of depression created by previous pumping in the old Bethany well field, where wells have not been in use since about the beginning of 1951. Meanwhile the water levels in wells 11 and 12, which are 0.5 and 1.0 mile farther west, declined 1.48 and 1.54 feet, respectively. These declines doubtless are part of the general decline of the water table caused by lack of recharge, perhaps coupled with small withdrawals. In the vicinity of these two wells, the tendency toward filling of the cone of depression, if operative, was not enough to offset the general decline. Cleveland County well 1 is in a thin terrace deposit, and the range of water-level fluctuations for 1952 was 6.70 feet, the high being reached on May 28 and the low on December 31. As in the preceding year, the water level was approximately normal at the beginning of the year. By May it had reached an abnormal high, and thereafter it declined steadily to the low of the year in December. The net annual change from December 1951 to December 1952 was a decline of 1.92 feet. Water levels in 34 wells in the terrace deposits of Garfield, Kingfisher, and Major Counties showed an average net annual decline of 1.04 feet between December 1951 and December 1952. Of these, 25 showed declines of water level ranging from 0.04 foot to 4.46 feet, and 9 showed rises ranging from 0.21 foot to 2.77 feet. In 3 other wells the water levels were not measured on dates appropriate for making comparisons. Figure 17 shows typical water-level fluctuations, taken from a recording gage.

**Vamoosa formation.** --A well owned by the Skelly Gas Corp. at Seminole, in Seminole County, is in sandstones of the Vamoosa formation and the water level in it has shown a general rise since the beginning of the record in 1948. At the end of 1952 the net rise was 14.88 feet. The day-to-day fluctuations of water level in the well appear to be due to variations in pumping from other wells in the vicinity. No seasonal pattern of fluctuations is evident. The highest water level for the year and for the entire period of record was reached on May 24, 1952, and the net annual change from December 31, 1951 to December 31, 1952 was a rise of 2.58 feet.

#### Well-Numbering System

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

#### Well Descriptions and Water-Level Measurements

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

#### 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 $\frac{1}{2}$  inches, depth 14 feet. Land-surface datum is 2,582.3 feet above msl. Highest water level 7.73 below lsd, May 19, 1952; lowest 9.11 below lsd, May 18, 1948. Records available: 1946-52. May 19, 7.73.

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: 1946-52. May 19, 75.29.

417. Ralph Ridgeway. SW $\frac{1}{4}$ 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 2,446.0 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, 1944-52. May 19, 7.76.

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. May 19, 19.80.

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: 1938-52. May 19, 35.65.

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 2,545.0 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. May 19, 37.01.

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, 1948-52. May 19, 21.85.

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 1952.

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 feet to depth of 20 feet, 2 feet from 20 to 34 feet, depth 34 feet. Highest water level 2.98 below lsd, June 24, 1949; lowest 15.86 below lsd, Sept. 23, 1940. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	10.46	Apr. 4	9.98	July 4	12.07	Oct. 3	14.61
11	10.61	11	10.11	11	12.44	10	14.67
18	10.61	18	10.15	18	12.78	17	14.65
25	10.59	25	10.11	25	12.98	24	14.65
Feb. 1	10.57	May 2	11.13	Aug. 1	13.24	31	14.67
8	10.53	9	11.21	8	13.42	Nov. 7	14.65
15	10.57	16	10.40	15	13.59	14	14.53
22	10.44	23	10.57	22	13.78	21	14.46
28	10.40	30	10.61	29	13.92	28	14.44
Mar. 7	9.40	June 6	10.82	Sept. 5	14.11	Dec. 6	14.34
14	10.07	13	11.03	12	14.26	13	14.26
21	9.96	20	11.40	19	14.44	20	14.21
28	9.94	27	11.74	26	14.51	27	14.11

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 150.62 below lsd, May 20, 1952; lowest 160.04 below lsd, Apr. 3, 1939. Records available: 1938-52. May 20, 150.62.

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: 1938-52. May 20, 183.10.

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 13.97 below lsd, Aug. 27, 1946. Records available: 1941-52. May 19, 10.73; July 12, 12.00; Aug. 11, 12.59; Oct. 14, 13.47; Nov. 22, 13.69.

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: 1938-52. May 20, 50.48.

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 164.57 below lsd, May 20, 1952; lowest 169.44 below lsd, Nov. 20, 1938. Records available: 1938-52. May 20, 164.57.

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 43.73 below lsd, May 19, 1952; lowest 52.79 below lsd, Jan. 27, 1941. Records available: 1938-52. May 19, 43.73.

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 197 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: 1938-52. May 19, 4.96.

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: 1938-52. May 19, 60.88.

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: 1938-52. May 19, 13.85.

#### 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: 1939-52. May 16, 5.31; July 9, 6.46; Aug. 8, 6.57; Oct. 13, 6.55; Nov. 22, 6.41.

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 7.39 below lsd, Oct. 13, 1952. Records available: 1951-52. May 16, 4.91; July 9, 6.47; Aug. 8, 6.67; Oct. 13, 7.39.

#### 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. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	12.74	June 3	11.41	Sept. 9	14.28	Nov. 6	14.39
Apr. 8	12.50	30	13.06	Oct. 2	14.47	Dec. 1	14.34
May 6	12.19	July 5	13.69				

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 65.58 below lsd, Dec. 2, 1952. Records available: 1952.

Feb. 28	64.00	June 3	64.62	Sept. 9	65.23	Nov. 6	65.48
Apr. 9	61.95	30	64.82	Oct. 2	65.38	Dec. 2	65.58
May 6	62.43	Aug. 5	65.00				

10. Mrs. C. E. Waters. SE $\frac{1}{4}$  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 20.02 below lsd, Dec. 2, 1952. Records available: 1952.

Mar. 3	16.70	June 4	17.24	Sept. 9	19.03	Nov. 7	19.93
Apr. 8	16.87	30	17.74	Oct. 2	19.54	Dec. 2	20.02
May 6	16.83	Aug. 5	18.36				

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, reported depth 75 feet. Highest water level 28.16 below lsd, Dec. 13, 1951; lowest 32.84 below lsd, Dec. 2, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13, 1951	28.16	June 4, 1952	29.46	Sept. 9, 1952	31.73	Nov. 7, 1952	32.80
Apr. 9, 1952	29.15	30	30.08	Oct. 2	32.34	Dec. 2	32.84
May 6	29.17	Aug. 5	30.84				

14. School land. O. H. Crosby, tenant. NE $\frac{1}{4}$  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 61.13 below lsd, Nov. 7, 1952. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	59.92	June 4	59.78	Sept. 9	60.88	Nov. 7	61.13
Apr. 9	59.73	30	60.07	Oct. 2	61.10	Dec. 2	61.02
May 6	59.72	Aug. 5	60.50				

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 17.93 below lsd, Dec. 2, 1952. Records available: 1952.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	15.43	June 4	15.31	Sept. 9	16.87	Nov. 7	17.75
Apr. 9	15.60	30	15.70	Oct. 2	17.25	Dec. 2	17.93
May 6	15.36	Aug. 5	16.28				

40. U. S. Geol. Survey. NE $\frac{1}{4}$  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 16.33 below lsd, Oct. 3, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 3, 1951	14.91	June 3, 1952	15.32	Sept. 9, 1952	16.19	Nov. 7, 1952	16.15
Apr. 10, 1952	15.16	July 1	15.72	Oct. 3	16.33	Dec. 2	16.08
May 6	15.07	Aug. 5	15.98				

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 16.54 below lsd, Nov. 7, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1951	15.42	June 3, 1952	15.47	Sept. 9, 1952	16.28	Nov. 7, 1952	16.54
Apr. 10, 1952	15.60	July 1	15.73	Oct. 3	16.45	Dec. 2	16.52
May 7	15.48	Aug. 6	15.58				

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 46.30 below lsd, Nov. 7, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 8, 1951	44.51	June 3, 1952	45.35	Sept. 9, 1952	46.00	Nov. 7, 1952	46.30
Apr. 10, 1952	45.46	July 1	45.69	Oct. 3	46.19	Dec. 2	46.14
May 7	45.22	Aug. 6	45.85				

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 20.58 below lsd, Nov. 7, 1952. Records available: 1951-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1951	18.94	June 3, 1952	19.45	Sept. 9, 1952	19.80	Nov. 7, 1952	20.58
Apr. 9, 1952	19.56	30	20.00	Oct. 2	20.26	Dec. 2	20.17
May 6	20.25	Aug. 6	20.08				

#### 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 51.63 below lsd, Dec. 13, 27, 1952. Records available: 1945-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	50.32	Apr. 5	50.87	July 5	50.96	Oct. 4	51.20
12	50.35	12	50.30	12	50.98	11	51.12
19	50.18	19	50.56	19	51.02	18	51.49
26	50.28	26	50.76	26	51.06	25	51.23
Feb. 2	50.38	May 3	50.83	Aug. 2	50.98	Nov. 1	51.13
9	50.58	10	50.89	9	51.08	8	51.15
16	50.55	18	49.93	16	51.04	15	51.19
23	50.61	24	50.83	23	51.16	22	51.36
Mar. 1	50.59	31	50.71	30	51.04	29	51.46
8	50.44	June 7	50.89	Sept. 8	51.24	Dec. 6	51.27
15	50.86	14	50.88	13	51.09	13	51.63
22	50.75	21	50.77	20	51.16	22	51.60
29	50.61	28	51.02	27	51.21	27	51.63



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 $\frac{1}{4}$  inches, depth 17 feet, cased to 16. Highest water level 4.45 below lsd, June 30, 1951; lowest 14.90 below lsd, Aug. 31, 1952. Records available: 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	14.51	Apr. 5	14.68	May 28	14.03	July 27	14.49
Mar. 2	14.70	27	14.65	June 29	13.92	Aug. 31	14.90

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 $\frac{1}{4}$  inches, depth 18 feet, cased to 16. Highest water level 1.00 below lsd, May 26, 1951; lowest 17.19 below lsd, Aug. 31, 1952. Records available: 1947-52.

Jan. 27	17.04	Apr. 27	17.03	July 27	16.95	Oct. 26	17.05
Mar. 2	17.07	May 28	16.74	Aug. 31	17.19	Nov. 30	16.94
30	17.06	June 29	16.83	Sept. 28	17.16	Dec. 28	16.83

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, depth 330 feet, cased to 12. Highest water level 15.12 below lsd, Mar. 24, 1946; lowest 23.05 below lsd, Aug. 19, 1950. Records available: 1948-52.

Jan. 5	18.84	Apr. 5	18.62	July 5	16.40	Oct. 4	19.88
12	18.87	12	18.32	12	18.65	11	19.94
19	18.76	19	18.38	19	18.48	18	20.06
26	18.74	26	18.67	26	18.61	25	19.97
Feb. 2	18.62	May 3	18.43	Aug. 2	18.75	Nov. 1	19.92
9	18.88	10	18.54	9	18.98	8	19.87
16	18.79	18	18.33	16	19.11	15	19.95
23	18.79	24	18.13	23	19.30	22	20.03
Mar. 1	18.68	31	17.92	30	19.34	29	20.05
8	18.68	June 7	17.88	Sept. 8	19.53	Dec. 6	19.86
15	18.83	14	17.90	13	19.59	13	20.07
22	18.77	21	17.98	20	19.71	22	20.08
29	18.56	28	18.23	27	19.78	27	20.04

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: 1948-52.

Jan. 5	15.97	Apr. 5	15.76	July 5	15.99	Oct. 4	18.12
12	15.94	12	15.57	12	17.06	11	18.09
19	15.85	19	15.60	19	16.87	18	18.03
26	15.90	26	15.66	26	17.05	25	17.80
Feb. 2	15.79	May 3	15.68	Aug. 2	17.18	Nov. 1	17.64
9	15.91	10	15.84	9	17.28	8	17.51
16	14.85	18	15.87	16	17.38	15	18.02
23	15.85	24	15.75	23	17.53	22	17.60
Mar. 1	15.80	31	15.67	30	17.60	29	17.26
8	15.74	June 7	15.69	Sept. 8	17.79	Dec. 6	17.11
15	15.81	14	15.97	13	17.88	13	17.09
22	15.82	21	16.27	20	17.99	22	19.01
29	15.68	28	16.63	27	18.03	27	16.91

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 13.57 below lsd, June 16, 1951; lowest 16.60 below lsd, Oct. 27, 1948. Records available: 1948-52.

Jan. 5	14.22	Mar. 29	13.84	June 21	14.45	Oct. 11	15.90
12	14.16	Apr. 5	13.90	28	14.73	18	15.74
19	14.10	12	13.84	July 5	15.42	25	15.69
26	14.09	19	14.19	12	15.07	Nov. 1	15.47
Feb. 2	14.07	26	14.62	19	14.66	15	15.24
9	14.13	May 3	13.79	26	14.89	22	15.16
16	14.06	10	13.96	30	15.63	29	15.68
23	13.99	18	13.93	Sept. 13	16.19	Dec. 6	14.98
Mar. 1	13.96	24	13.83	20	16.18	13	14.93
8	13.92	31	13.83	27	16.00	22	14.86
15	13.91	June 7	13.92	Oct. 4	16.08	22	14.24
22	13.87	14	14.16				

10. Joe Dees. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 6 inches, depth 42 feet. Highest water level 23.21 below lsd, July 24, 1949; lowest 26.38 below lsd, June 10, 1950. Records available: 1948-52. Measurement discontinued.

10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	25.59	Feb. 9	25.70	Mar. 15	25.75	Apr. 19	25.65
12	25.61	16	25.69	22	25.73	26	25.70
19	25.57	23	26.27	29	25.68	May 3	25.73
26	25.61	Mar. 1	25.67	Apr. 5	25.92	10	25.79
Feb. 2	25.57	8	25.69	12	25.59	18	25.79

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 53.42 below lsd, Mar. 16, 1950; lowest 56.35 below lsd, Nov. 3, 1952. Records available: 1948-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.61	55.38	h55.26	55.71	55.51	55.72	.....	55.88	56.03	55.84	55.83	.....
2	55.50	55.38	55.15	55.68	55.60	55.62	.....	55.68	56.10	56.13	56.17	.....
3	55.51	55.48	55.65	55.51	55.66	55.58	.....	55.67	55.91	55.97	56.35	.....
4	55.20	55.56	55.75	55.84	55.61	55.53	.....	55.78	55.88	55.86	55.15	.....
5	55.45	55.56	55.58	55.71	55.47	55.54	h55.67	55.76	55.88	55.99	55.85	.....
6	55.52	55.65	55.54	55.59	55.49	55.64	.....	55.79	55.89	56.13	56.07	.....
7	55.23	55.45	55.56	55.34	55.48	55.67	.....	55.77	55.86	56.08	56.07	.....
8	55.17	55.47	55.40	55.32	55.43	55.59	.....	55.77	55.87	55.87	55.87	.....
9	55.70	55.48	55.16	55.85	55.66	55.65	.....	55.82	55.85	55.90	56.16	.....
10	55.70	55.32	55.55	55.85	55.82	55.61	.....	55.72	55.83	55.91	56.15	.....
11	55.30	55.38	55.57	55.38	55.73	55.63	.....	55.78	55.85	55.86	.....	.....
12	55.23	55.16	55.48	55.44	55.64	55.58	55.73	55.89	55.82	55.81	.....	.....
13	55.21	55.38	55.65	55.63	55.58	55.63	55.66	55.80	55.79	55.76	.....	.....
14	55.29	55.56	55.68	55.66	55.34	55.67	55.68	55.78	55.97	56.15	.....	.....
15	55.32	55.53	55.81	55.58	55.32	55.63	55.66	55.69	55.99	56.17	.....	.....
16	55.25	55.39	55.54	55.58	55.59	55.69	55.58	55.78	55.79	55.95	.....	.....
17	55.47	55.37	55.14	55.55	.....	55.75	55.59	55.82	55.71	56.11	.....	.....
18	55.46	55.23	55.45	55.47	h55.75	55.65	55.75	55.86	55.78	56.23	.....	.....
19	55.33	55.48	55.42	55.37	55.65	55.63	55.76	55.84	55.95	55.96	.....	.....
20	55.48	.....	55.44	55.32	55.55	55.58	55.64	h55.87	55.88	56.08	.....	.....
21	55.11	.....	55.57	55.44	55.35	55.69	55.77	55.80	.....	56.11	.....	.....
22	55.56	.....	55.71	55.60	.....	55.71	55.79	55.91	.....	56.03	.....	.....
23	55.64	h55.52	55.69	55.60	.....	55.68	55.88	55.82	.....	56.03	.....	.....
24	55.45	55.58	55.39	55.60	h55.66	55.64	55.80	55.68	.....	55.93	.....	.....
25	55.08	55.68	55.61	55.62	55.70	55.62	55.73	55.66	.....	55.87	.....	.....
26	55.42	55.62	55.66	55.54	55.61	55.72	55.80	55.69	.....	55.94	.....	.....
27	55.47	55.37	55.69	55.44	55.69	55.73	55.80	55.75	h55.86	56.16	.....	h56.20
28	55.51	55.22	55.49	55.50	55.72	55.79	55.72	55.74	55.85	56.31	.....	.....
29	55.39	.....	55.42	55.49	55.64	55.75	55.73	55.75	55.95	56.05	h56.05	.....
30	55.38	.....	55.37	55.49	55.42	.....	55.77	55.71	55.91	55.79	.....	.....
31	55.28	.....	55.41	.....	55.60	.....	55.90	55.67	.....	55.84	.....	.....

h Tape measurement.

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 23.61 below lsd, Sept. 28, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	21.55	Apr. 27	21.46	July 27	22.58	Oct. 26	23.57
Mar. 2	21.53	May 28	21.61	Aug. 31	23.16	Nov. 30	23.33
30	21.51	June 29	22.30	Sept. 28	23.61	Dec. 27	23.19

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 38.02 below lsd, Dec. 24, 27, 1952. Records available: 1948-52.

14--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.03	.....	37.14	37.31	37.25	37.38	37.37	37.57	37.63	37.74	37.67	37.83
2	37.05	h36.87	37.02	37.30	37.29	37.34	37.39	37.48	37.69	37.83	37.87	37.83
3	37.05	37.07	37.22	37.22	37.32	37.34	37.46	37.45	37.59	37.72	37.89	37.82
4	36.91	37.10	37.27	37.37	37.31	37.30	37.42	37.52	37.59	37.68	37.80	37.96
5	37.02	37.16	37.20	37.30	37.25	37.31	37.39	37.50	37.59	37.79	37.69	37.95
6	37.05	37.20	37.20	37.28	37.26	37.35	37.38	37.52	37.60	37.81	37.78	37.80
7	36.90	37.06	37.23	37.15	37.25	37.34	37.50	37.50	37.60	37.77	37.77	37.78
8	36.86	37.08	37.13	37.14	37.22	37.32	37.49	37.52	37.60	37.68	37.71	37.81
9	37.13	37.07	37.02	37.41	37.36	37.34	37.40	37.53	37.60	37.72	37.81	37.99
10	37.13	37.05	37.20	37.36	37.41	37.31	37.37	37.49	37.60	37.73	37.78	37.99
11	36.93	37.06	37.19	37.14	37.35	37.32	37.40	37.58	37.62	37.70	37.76	37.97
12	36.90	36.97	37.20	37.19	37.35	37.28	37.46	37.58	37.60	37.68	37.76	38.00
13	36.89	37.05	37.24	37.24	37.31	37.30	37.43	37.55	37.69	37.66	37.65	37.96
14	36.93	37.15	37.30	37.29	37.18	37.34	37.47	37.55	37.71	37.86	37.76	38.00
15	36.93	37.15	37.31	37.27	37.17	37.30	37.46	37.50	37.71	37.85	37.73	37.90
16	36.92	37.10	37.20	37.28	37.35	37.33	37.47	37.55	37.60	37.69	37.74	37.87
17	37.02	37.08	37.02	37.26	37.40	37.36	37.46	37.57	37.58	37.85	37.86	37.93
18	37.01	37.00	37.14	37.23	h37.37	37.31	37.51	37.58	37.69	37.85	37.87	37.95
19	36.97	37.13	37.12	37.17	37.35	37.30	37.52	37.58	37.69	37.72	37.85	37.95
20	37.04	37.21	37.18	37.18	37.30	37.22	37.46	37.52	37.75	37.80	37.80	38.00
21	36.91	37.10	37.26	.....	37.21	37.35	37.55	37.58	37.75	37.80	37.77	37.93
22	37.04	37.12	37.33	.....	37.30	37.34	37.55	37.58	37.75	37.77	37.88	37.93
23	37.00	37.13	37.32	.....	37.34	37.33	37.61	37.57	37.68	37.76	37.90	37.93
24	36.94	37.21	37.18	.....	37.41	37.29	37.55	37.54	37.70	37.71	37.76	38.02
25	36.74	37.21	37.27	.....	37.39	37.29	37.55	37.52	37.68	37.68	37.96	38.00
26	h36.98	37.18	37.34	h37.26	37.34	37.34	37.57	37.52	37.68	37.73	37.97	37.96
27	.....	37.09	37.34	37.22	37.39	37.34	37.57	37.52	37.67	37.86	37.94	38.02
28	.....	37.02	37.23	37.24	37.39	37.39	37.52	37.53	37.69	37.89	37.89	37.94
29	.....	37.18	37.19	37.24	37.35	37.38	37.52	37.52	37.72	37.77	37.92	37.85
30	.....	.....	37.16	37.24	37.35	37.35	37.54	37.47	37.71	37.66	37.92	37.92
31	.....	.....	37.18	.....	37.38	.....	37.59	37.46	.....	37.69	.....	37.97

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: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	20.20	Apr. 27	20.24	July 27	20.59	Oct. 26	21.22
Mar. 2	20.18	May 15	20.22	Aug. 31	22.48	Nov. 30	21.17
30	20.19	June 29	20.38	Sept. 28	21.46	Dec. 27	21.19

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: 1948-52.

Jan. 5	27.98	Apr. 5	27.43	July 5	27.73	Oct. 4	29.42
12	27.92	12	27.11	12	28.02	11	29.52
19	27.80	19	27.08	19	27.73	18	29.59
26	27.82	26	28.07	26	27.67	25	29.43
Feb. 2	27.65	May 3	27.04	Aug. 2	27.84	Nov. 1	29.36
9	27.74	10	27.12	9	28.06	8	29.44
16	27.66	18	27.16	16	28.21	15	29.24
23	27.59	24	27.04	23	28.40	22	29.22
Mar. 1	27.51	31	26.90	30	28.55	29	29.23
8	27.43	June 7	26.80	Sept. 8	28.80	Dec. 6	29.02
15	27.44	14	26.85	13	28.95	13	29.07
22	27.34	21	27.07	20	29.11	22	29.41
29	27.22	28	27.44	27	29.25	27	28.96

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: 1948-52.

## 17--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	31.22	Mar. 22	31.31	June 7	31.52	Aug. 16	31.86
12	31.14	29	31.27	14	31.53	23	31.96
19	31.08	Apr. 5	31.34	21	31.52	30	32.00
26	31.13	12	31.19	28	31.59	Sept. 8	32.11
Feb. 2	31.06	19	31.27	July 5	31.60	13	32.13
9	31.21	26	31.38	12	31.64	20	32.12
16	31.19	May 3	31.42	19	31.66	27	32.05
23	31.21	10	31.49	26	31.66	Oct. 26	32.11
Mar. 1	31.19	18	31.49	Aug. 2	31.69	Nov. 29	33.35
8	31.23	24	31.51	9	31.78	Dec. 27	33.23
15	31.33	31	31.47				

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: 1948-52.

Jan. 5	36.21	Mar. 8	35.63	May 10	35.67	July 5	35.60
12	35.97	15	35.71	18	35.65	12	35.62
19	35.89	22	35.67	24	35.85	19	35.60
26	35.88	29	35.60	31	35.61	26	35.91
Feb. 2	35.73	Apr. 5	35.62	June 7	35.61	Sept. 13	39.08
9	35.78	12	35.53	14	35.61	Oct. 26	40.89
16	35.74	19	35.53	21	35.59	Nov. 29	40.67
23	35.71	26	35.59	28	35.61	Dec. 27	38.83
Mar. 1	35.65	May 3	35.60				

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 16.79 below lsd, Oct. 4, 1952. Records available: 1949-52.

Jan. 5	14.83	Mar. 29	14.48	June 14	13.94	Oct. 18	16.46
12	14.75	Apr. 5	14.52	21	14.26	25	16.33
19	14.74	12	14.45	28	14.63	Nov. 1	16.61
26	15.64	19	14.46	July 5	14.89	8	16.24
Feb. 2	14.59	26	14.71	12	15.67	15	16.48
9	15.58	May 3	14.70	19	15.16	22	16.44
16	15.54	10	14.71	Sept. 13	16.40	29	16.12
23	14.53	18	14.76	20	16.60	Dec. 6	16.05
Mar. 1	14.64	24	13.97	27	16.56	13	16.60
8	14.52	31	13.59	Oct. 4	16.79	22	15.90
15	14.51	June 7	13.68	11	16.55	27	15.78
22	14.49						

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: 1949-52. Jan. 27, 114.30; Mar. 2, 114.60; Mar. 30, 113.64; Apr. 26, 113.80; May 31, 113.74; Nov. 29, 114.68; Dec. 27, 115.37.

26. Dave Tackett. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 19, T. 9 N., R. 11 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 85 feet. Highest water level 50.26 below lsd, Feb. 2, 1952; lowest 51.99 below lsd, Mar. 19, 1949. Records available: 1949-52. Measurement discontinued.

Jan. 5	50.64	Mar. 15	50.92	May 24	50.85	Aug. 2	50.97
12	50.65	22	50.80	31	50.71	9	50.98
19	50.46	29	50.61	June 7	50.77	16	50.97
26	50.62	Apr. 5	50.74	14	50.80	23	51.11
Feb. 2	50.26	12	50.31	21	50.74	30	50.88
9	50.67	19	50.47	28	50.96	Sept. 8	51.22
16	50.67	26	50.69	July 5	51.98	13	51.04
23	50.65	May 3	50.80	12	51.10	20	51.17
Mar. 1	50.52	10	50.91	19	51.00	27	51.08
8	50.57	18	50.85	26	51.06		

31. Floyd L. King. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 3, T. 9 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 7 inches, depth 109 feet. Highest water level 60.96 below lsd, July 22, 1950; lowest 63.02 below lsd, Sept. 27, 1952. Records available: 1949-52. Measurement discontinued.

## 31--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	61.72	Mar. 15	62.03	May 24	62.07	Aug. 2	62.26
12	61.80	22	61.97	31	62.01	9	62.32
19	61.69	29	61.81	June 7	61.96	16	62.53
26	61.82	Apr. 5	61.89	14	62.02	23	63.57
Feb. 2	61.46	12	61.64	21	62.02	30	62.49
9	61.90	19	61.74	28	62.21	Sept. 8	62.81
16	61.82	26	61.90	July 5	62.15	13	62.81
23	61.85	May 3	61.95	12	62.33	20	62.96
Mar. 1	61.78	10	62.08	19	62.25	27	63.02
8	61.76	18	62.04	26	62.32		

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.

Jan. 5	24.84	Mar. 1	24.59	Apr. 26	24.52	June 21	25.04
12	24.78	8	24.60	May 3	24.59	28	25.41
19	24.76	15	24.71	10	24.79	July 5	25.59
26	24.81	22	24.67	18	24.83	12	25.79
Feb. 2	24.61	29	24.56	24	24.84	19	25.65
9	24.72	Apr. 5	24.56	31	24.60	26	25.84
16	24.72	12	24.54	June 7	24.57	Aug. 2	25.93
23	24.70	19	24.49	14	24.78	9	26.15

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: 1949-52.

Jan. 5	9.11	Apr. 5	8.50	July 5	10.87	Oct. 4	12.32
12	8.99	12	8.22	12	11.12	11	12.00
19	8.92	19	8.32	19	10.44	18	11.76
26	8.90	26	8.36	26	11.04	25	11.84
Feb. 2	8.83	May 3	8.44	Aug. 2	11.30	Nov. 1	11.35
9	8.83	10	8.67	9	11.49	8	11.18
16	8.70	18	7.96	16	11.52	15	11.03
23	8.76	24	7.88	23	11.90	22	10.91
Mar. 1	8.66	31	8.50	30	12.04	29	10.74
8	8.53	June 7	8.97	Sept. 8	12.22	Dec. 6	10.59
15	8.57	14	9.66	13	13.93	13	11.52
22	8.53	21	10.21	20	12.39	22	10.35
29	8.38	28	10.63	27	11.26	27	10.25

36. U. S. Geol. Survey. NW $\frac{1}{4}$ 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: 1950-52.

Jan. 5	18.70	Apr. 5	18.75	July 5	19.00	Oct. 4	19.60
12	18.74	12	18.41	12	19.09	11	19.53
19	18.62	19	18.53	19	19.00	18	19.93
26	18.71	26	18.63	26	19.15	25	19.43
Feb. 2	18.60	May 3	18.65	Aug. 2	19.20	Nov. 1	19.32
9	18.77	10	18.74	9	19.34	8	19.42
16	18.73	18	18.68	16	19.40	15	19.22
23	18.73	24	18.59	23	19.55	22	19.29
Mar. 1	18.72	31	18.44	30	19.50	29	19.30
8	18.67	June 7	18.45	Sept. 8	19.61	Dec. 6	19.04
15	18.85	14	18.53	13	19.59	13	19.18
22	18.78	21	18.62	20	19.66	22	19.11
29	18.65	28	18.89	27	19.59	27	19.07

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 21.23 below lsd, Dec. 27, 1952. Records available: 1949-52.

## 37--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	19.88	Mar. 22	20.29	June 7	20.52	Aug. 23	20.85
12	19.92	29	20.23	14	20.56	30	20.80
19	19.86	Apr. 5	20.36	21	20.53	Sept. 8	20.98
26	19.95	12	20.03	28	20.63	13	20.87
Feb. 2	19.97	19	20.24	July 5	20.65	20	20.91
9	20.95	26	20.38	12	20.69	27	20.94
16	20.15	May 3	20.44	19	20.54	Dec. 6	20.97
23	20.17	10	20.47	26	20.74	13	21.16
Mar. 1	20.15	18	20.48	Aug. 2	20.73	22	21.20
8	20.17	24	20.44	9	20.80	27	21.23
15	20.32	31	20.39	16	20.70		

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 17.49 below lsd, Dec. 22, 1952. Records available: 1949-52.

Jan. 5	15.97	Apr. 5	16.33	July 5	16.05	Oct. 4	17.01
12	16.03	12	15.69	12	16.18	11	17.06
19	15.87	19	15.93	19	16.23	18	17.38
26	16.04	26	16.10	26	16.34	25	17.09
Feb. 2	15.98	May 3	16.17	Aug. 2	16.30	Nov. 1	17.00
9	16.20	10	16.30	9	16.50	8	16.97
16	16.16	18	16.22	16	16.50	15	17.09
23	16.24	24	16.03	23	16.60	22	17.24
Mar. 1	16.21	31	15.81	30	16.55	29	17.31
8	16.12	June 7	15.89	Sept. 8	16.82	Dec. 6	17.07
15	16.45	14	15.92	13	16.77	13	17.44
22	16.35	21	15.74	20	16.91	22	17.49
29	16.09	28	16.02	27	16.95	27	17.46

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 25.00 below lsd, Oct. 4, 11, 1952. Records available: 1949-52.

Jan. 5	22.99	Apr. 5	22.28	July 5	23.28	Oct. 4	25.00
12	22.90	12	22.19	12	23.51	11	25.00
19	22.82	19	22.16	19	23.54	18	24.99
26	22.77	26	22.10	26	23.72	25	24.89
Feb. 2	22.73	May 3	22.08	Aug. 2	23.90	Nov. 1	24.79
9	22.68	10	23.13	9	24.07	8	24.71
16	22.62	18	22.22	16	24.19	15	24.62
23	22.57	24	21.99	23	24.33	22	24.55
Mar. 1	22.53	31	21.92	30	24.48	29	24.48
8	22.46	June 7	22.03	Sept. 8	24.62	Dec. 6	24.37
15	22.43	14	22.31	13	24.72	13	24.34
22	22.35	21	22.66	20	24.84	22	24.28
29	22.28	28	23.02	27	24.90	27	24.21

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 $\frac{1}{2}$  inches, depth 31 feet. Highest water level 24.85 below lsd, June 23, 1949; lowest 26.40 below lsd, Dec. 15, 1951. Records available: 1949-52.

July 19	26.09	Aug. 30	26.46	Oct. 11	26.90	Nov. 22	27.18
26	26.16	Sept. 8	26.56	18	27.00	29	27.24
Aug. 2	26.19	13	26.60	25	26.84	Dec. 6	27.22
9	26.27	20	26.68	Nov. 1	26.77	13	27.29
16	26.32	27	26.76	8	27.07	20	27.32
23	26.40	Oct. 4	26.82	15	27.13	27	27.34

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 25.97 below lsd, Dec. 22, 1952. Records available: 1949-52.

## 41--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	24.77	Apr. 5	25.01	July 5	25.04	Oct. 4	25.46
12	24.82	12	24.76	12	25.08	11	26.40
19	24.71	19	25.01	19	25.07	18	25.73
26	24.87	26	25.18	26	25.13	25	25.56
Feb. 2	24.81	May 3	25.25	Aug. 2	25.05	Nov. 1	25.47
9	25.03	10	25.36	9	25.16	8	25.47
16	25.03	18	25.32	16	25.16	15	25.50
23	25.10	24	25.19	23	25.65	22	25.68
Mar. 1	24.83	31	25.07	30	25.59	29	25.77
8	25.04	June 7	25.04	Sept. 8	25.39	Dec. 6	25.55
15	25.30	14	24.97	13	25.32	13	25.86
22	25.14	21	24.86	20	25.41	22	25.97
29	25.07	28	25.04	27	25.45	27	24.90

42. Roy Shoop. SW $\frac{1}{4}$  sec. 22, T. 11 N., R. 13 W. Drilled unused water-table well in Rush Springs sandstone, diameter 8 inches, depth 123 feet. Highest water level 60.26 below lsd, Oct. 6, 1949; lowest 63.75 below lsd, Sept. 20, 1952. Records available: 1949-52. Measurement discontinued.

Jan. 5	62.00	Mar. 15	62.68	May 24	62.86	Aug. 2	62.14
12	62.13	22	62.60	31	62.76	9	63.35
19	61.98	29	62.35	June 7	62.78	16	63.40
26	62.23	Apr. 5	62.58	14	62.84	23	63.49
Feb. 2	61.87	12	62.18	21	62.85	30	63.32
9	62.30	19	62.40	28	62.84	Sept. 8	63.62
16	62.26	26	62.67	July 5	63.07	13	63.52
23	62.38	May 3	62.76	12	63.28	20	63.75
Mar. 1	62.32	10	62.97	19	63.17	27	63.66
8	62.29	18	62.63	26	63.20		

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 40.30 below lsd, Dec. 27, 1952. Records available: 1949-52.

Jan. 27	39.17	Apr. 26	40.22	July 26	39.46	Oct. 26	40.24
Mar. 2	39.08	May 31	39.06	Aug. 30	39.71	Nov. 29	40.27
30	39.15	June 29	39.12	Sept. 27	40.01	Dec. 27	40.30

44. J. W. Dees. NE $\frac{1}{4}$  sec. 36, T. 9 N., R. 13 W. Drilled irrigation water-table well in Rush Springs sandstone, diameter 10 inches, depth 215 feet, cased to 30. Highest water level 25.37 below lsd, Sept. 28, Oct. 28, 1949; lowest 28.48 below lsd, July 12, 1952. Records available: 1949-52. Measurement discontinued.

Jan. 5	27.61	Mar. 15	28.07	May 24	28.29	Aug. 2	28.41
12	27.69	22	28.09	31	28.25	9	28.40
19	27.63	29	28.00	June 7	28.30	16	28.39
26	27.77	Apr. 5	28.08	14	28.34	23	28.26
Feb. 2	27.69	12	27.89	21	28.32	30	28.31
9	27.98	19	28.02	28	28.41	Sept. 6	28.44
16	27.88	26	28.14	July 5	28.40	13	28.37
23	27.93	May 3	28.20	12	28.48	20	28.26
Mar. 1	27.92	10	28.28	19	28.47	27	28.34
8	27.90	18	28.26	26	28.43		

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 27.88 below lsd, Dec. 27, 1952. Records available: 1949-52.

Jan. 12	27.05	Mar. 22	27.33	May 24	27.47	July 26	27.58
19	26.97	29	27.23	31	27.37	Aug. 9	27.66
26	27.08	Apr. 5	27.34	June 7	27.48	30	27.64
Feb. 2	27.04	12	27.03	14	27.49	Sept. 8	27.76
9	27.22	19	27.18	21	27.54	13	27.68
16	27.19	26	27.33	28	27.57	27	27.69
23	27.33	May 3	27.38	July 5	27.58	Oct. 26	27.73
Mar. 1	27.19	10	27.46	12	27.56	Nov. 29	27.83
8	27.22	18	27.17	19	27.58	Dec. 27	27.88
15	27.38						

Canadian County

RFC1. U. S. Geol. Survey. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 12 N., R. 5 W. Jetted observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  inches, depth 19 feet, cased to 19, screen 17-19. Land-surface datum is 1,263.49 feet above msl. Highest water level 0.93 below lsd, Apr. 29, 1942; lowest 11.30 below lsd, Oct. 22, 1943. Records available: 1939-52. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	6.79	Apr. 29	5.00	June 12	6.11	July 11	8.28
Feb. 26	6.13	May 16	6.15	30	7.60	28	8.99
Mar. 25	5.19						

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 1,292.35 feet above msl. Highest water level 4.92 below lsd, July 9, 1951; lowest 21.99 below lsd, Dec. 27, 1947. Records available: 1939-52. May 16, 9.51; June 12, 9.70; July 9, 10.28; Oct. 13, 17.47; Oct. 28, 18.24.

RFC3. U. S. Geol. Survey. SW. cor. sec. 1, T. 13 N., R. 9 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  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, 1946-52. May 16, 4.25; June 12, 4.45; July 9, 5.62; Oct. 13, 7.03; Oct. 28, 6.60.

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: 1939-52. May 16, 3.97; June 12, 4.22; July 9, 5.30; Oct. 13, 5.32; Oct. 28, 5.17.

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: 1941-52. June 12, 23.55; Oct. 28, 24.27.

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 9.61 below lsd, July 22, 1943, Oct. 28, 1952. Records available: 1941-52. June 12, 6.90; Oct. 28, 9.61.

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: 1941-52. June 13, 21.28; Oct. 28, 22.88.

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 alluvium, 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: 1941-52. June 13, 8.25; Oct. 28, 11.74.

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 1,385.0 feet above msl. Highest water level 4.68 below lsd, June 23, 1942; lowest 15.05 below lsd, Oct. 28, 1952. Records available: 1942-52. June 12, 13.35; Oct. 28, 15.05.

G6. U. S. Geol. Survey. SE. cor. sec. 8, T. 12 N., R. 5 W. Drilled observation water-table well in alluvium, diameter 1 $\frac{1}{2}$  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: 1942-52.

Jan. 22	7.95	July 11	7.24	Sept. 25	8.77	Dec. 1	9.17
Feb. 26	7.76	28	7.59	Oct. 28	9.07	31	9.30
Mar. 25	7.50	Aug. 25	8.23				

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: 1942-52. June 12, 13.84; Oct. 28, 14.59.



- 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: 1942-52. June 13, 12.34; Oct. 28, 13.54.
- 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: 1942-52. May 16, 3.15; June 12, 3.06; July 9, 4.32; Oct. 13, 5.37; Oct. 28, 5.15.
- 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 8.14 below lsd, Dec. 29, 1947. Records available: 1942-52. June 12, 5.77; Oct. 28, 6.74.
- 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 17.59 below lsd, Dec. 29, 1947. Records available: 1942-52. June 12, 15.80; Oct. 28, 16.91.
- 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 1,385.0 feet above msl. Highest water level 7.51 below lsd, June 23, 1942; lowest 12.25 below lsd, Dec. 17, 1946. Records available: 1942-52. June 12, 11.21; Oct. 28, 11.87.
- 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. June 12, 19.43; Oct. 28, 21.15.
- 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 12.27 below lsd, Nov. 4, 1943. Records available: 1942-52. June 13, 7.36; Oct. 28, 11.65.
- 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 8.32 below lsd, Oct. 28, 1952. Records available: 1942-52. June 13, 5.30; Oct. 28, 8.32.
- 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: 1942-52. June 12, 5.67; Oct. 28, 9.25.
- 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 19.23 below lsd, June 17, 1948. Records available: 1942-52. June 12, 17.66; Oct. 28, 18.89.
- 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 8.77 below lsd, Sept. 22, 1949. Records available: 1942-52. June 12, 6.55; Oct. 28, 8.41.
- 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 9.57 below lsd, Feb. 9, 1945. Records available: 1942-47, 1949-52. July 9, 11.01; Oct. 28, 12.26.

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 7.74 below lsd, Oct. 28, 1952. Records available: 1942-52. June 12, 6.17; Oct. 28, 7.74.

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 12.12 below lsd, Oct. 28, 1952. Records available: 1942-52. June 13, 7.69; Oct. 28, 12.12.

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: 1942-52. June 12, 11.92; Oct. 28, 13.82.

G45. U. S. Geol. Survey. NW. cor. sec. 21, T. 13 N., R. 8 W. Driven observation water-table well in alluvium, diameter  $\frac{3}{4}$  inch, depth 13 feet, cased to 13, screen 11-13. Land-surface datum is 1,341.30 feet above msl. Highest water level 4.00 below lsd, May 23, 1949; lowest 9.64 below lsd, Dec. 27, 1947. Records available: 1942-52. June 12, 8.64. Measurement discontinued.

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: 1942-52. June 13, 15.70; Oct. 28, 17.51.

G50. U. S. Geol. Survey. SE. cor. sec. 1, 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 1,301.04 feet above msl. Highest water level 14.30 below lsd, May 31, 1951; lowest 18.72 below lsd, Nov. 4, 1943. Records available: 1942-52. June 13, 16.34. Measurement discontinued.

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 9.96 below lsd, Dec. 31, 1952. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	6.12	Apr. 29	4.94	Aug. 25	8.48	Dec. 1	9.76
Feb. 26	5.57	July 11	8.39	Sept. 25	8.91	31	9.96
Mar. 25	4.81	28	8.26	Oct. 28	9.37		

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 9.31 below lsd, Oct. 30, 1952. Records available: 1946-52.

Jan. 23	7.51	Apr. 29	7.41	July 28	8.19	Oct. 30	9.31
Feb. 26	7.59	May 23	5.60	Aug. 25	8.75	Dec. 1	9.21
Mar. 25	7.46	June 20	6.88	Sept. 25	9.24	31	9.09

#### 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 128.85 below lsd, Aug. 28, 1951. Records available: 1944, 1950-52.

Jan. 30	122.85	June 3	122.58	Aug. 28	125.80	Nov. 28	123.50
Feb. 22	122.17	23	124.80	Sept. 27	124.22	Dec. 26	123.33
Mar. 28	122.08	July 25	124.73				

#### 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 159.71 below lsd, May 22, 1952; lowest 167.80 below lsd, Apr. 22, 1939. Records available: 1939-52. May 22, 159.71.

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 $\frac{1}{2}$  inches, depth 9 feet, screen 6-8. Highest water level 4.18 below lsd, May 16, 1949; lowest 6.06 below lsd, May 24, 1950. Records available: 1946-52. May 22, 5.20.

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 129.29 below lsd, May 4, 1951; lowest 138.24 below lsd, July 21, 1938. Records available: 1938-52. May 22, 128.28.

275. O. A. Showalter. SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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: 1938-52. May 22, 146.39.

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. May 22, 133.06.

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: 1938-52. May 21, 35.40.

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: 1938-52. May 21, 134.70.

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. 28, 1944; lowest 28.69 below lsd, Sept. 29, 1939. Records available: 1939-52. May 22, 5.98.

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: 1938-52. May 22, 31.98.

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 $\frac{1}{2}$  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: 1946-52. May 22, 4.64.

#### Cleveland County

1. Mrs. Elizabeth E. Taylor. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 10 N., R. 3 W. Dug stock well, 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: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	9.15	Apr. 29	8.37	July 28	8.10	Dec. 1	10.70
Feb. 26	8.63	May 28	4.26	Aug. 25	8.89	31	10.96
Mar. 25	7.73	June 30	7.42	Oct. 28	10.39		

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, 1942-52.

Jan. 7	291.12	Apr. 7	294.45	July 7	337.57	Oct. 6	333.56
14	292.57	14	293.54	14	340.63	13	323.04
21	294.13	21	294.68	21	331.40	20	318.91
28	295.41	28	281.24	28	344.31	27	329.68
Feb. 4	295.50	May 5	297.48	Aug. 4	341.03	Nov. 3	332.15
11	295.71	12	303.81	11	335.16	10	332.90
18	293.94	19	306.75	18	333.06	17	337.01
25	294.15	26	309.91	25	332.86	24	334.16
Mar. 3	294.98	June 3	313.24	Sept. 2	332.94	Dec. 1	333.03
10	295.89	9	313.30	8	331.75	8	331.44
17	296.24	16	329.73	15	332.73	15	333.52
24	294.88	23	342.65	22	327.65	22	331.31
31	294.29	30	347.79	29	332.13	29	331.41

5. F. W. Goldsby. 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: 1940-52.

## Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	146.76	145.88	143.78	143.53	143.40	143.43	144.83	147.03	148.72	149.80	150.47	150.79
2	146.76	145.87	143.63	143.57	143.45	143.43	144.91	147.05	148.81	149.93	150.68	.....
3	146.76	145.82	143.76	143.42	143.50	143.44	145.04	147.08	148.82	149.92	150.73	.....
4	146.56	145.84	143.84	143.57	143.51	143.43	145.10	147.17	148.85	149.88	150.73	.....
5	146.62	145.88	143.84	143.60	143.46	143.41	145.17	147.23	148.89	150.02	150.56	.....
6	146.65	145.93	143.83	143.60	143.47	143.50	145.21	147.31	148.93	150.12	150.65	.....
7	146.53	145.91	143.83	143.51	143.48	143.56	145.34	147.32	148.95	150.12	150.67	.....
8	146.37	144.13	143.78	143.43	143.44	143.56	145.41	147.30	148.98	150.09	150.56	150.75
9	146.63	144.08	143.62	143.66	143.47	143.62	145.45	147.37	149.01	150.09	150.68	150.96
10	146.63	143.93	143.58	143.69	143.61	143.63	145.47	147.39	149.03	150.14	150.71	151.02
11	146.55	143.89	143.61	143.55	143.64	143.66	145.58	147.51	149.08	150.15	150.70	151.01
12	146.35	143.80	143.51	143.41	143.66	143.68	145.65	147.60	149.09	150.12	150.68	151.06
13	146.35	143.77	143.63	143.54	143.65	143.72	145.72	147.66	149.10	150.11	150.63	151.06
14	146.25	143.89	143.63	143.59	143.54	143.80	145.78	147.72	149.24	150.30	150.60	151.12
15	146.26	143.91	143.72	143.58	143.51	143.84	145.81	147.72	149.29	150.36	150.63	151.12
16	146.22	143.86	143.69	143.59	143.60	143.89	145.82	148.82	149.23	150.30	150.65	151.08
17	146.23	143.88	143.52	143.61	143.66	143.98	145.88	148.90	149.23	150.40	150.72	151.02
18	146.24	143.79	143.45	143.59	143.62	144.01	145.99	147.97	149.32	150.44	150.82	151.04
19	146.13	143.87	143.44	143.52	143.60	144.07	146.06	148.02	149.34	150.40	150.83	151.01
20	146.18	143.96	143.43	143.47	143.57	144.08	146.09	148.03	149.48	150.70	150.84	151.05
21	146.08	143.95	143.48	143.44	143.49	144.19	146.22	146.13	149.57	150.80	.....	151.06
22	146.20	143.92	143.64	143.46	143.53	144.23	146.33	148.22	149.57	150.80	.....	150.99
23	146.22	143.92	143.64	143.50	143.53	144.29	146.42	148.25	149.58	150.80	.....	151.08
24	146.20	143.91	143.48	143.50	.....	144.31	146.49	148.29	149.61	150.60	150.73	151.18
25	145.98	143.94	143.54	143.52	.....	144.36	146.55	148.31	149.63	150.22	150.78	151.20
26	146.02	143.94	143.59	143.49	143.53	144.47	146.65	148.35	149.65	150.55	150.95	151.20
27	146.07	143.85	143.61	143.42	143.53	144.52	146.68	148.41	149.66	150.55	151.00	151.18
28	146.09	143.66	143.54	143.43	143.50	144.65	146.70	148.44	149.69	150.66	150.99	151.18
29	146.04	143.78	143.50	143.42	143.46	144.71	146.75	148.49	149.75	150.61	150.99	151.07
30	145.99		143.44	143.42	143.38	144.76	146.86	148.50	149.79	150.52	150.97	151.04
31	145.94		143.38		143.40		146.96	148.51		150.47		151.06

## 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, and 415-455. Highest water level 165.43 below lsd, July 7, 1943; lowest 221.74 below lsd, Dec. 23, 1948. Records available: 1943-52. Mar. 25, 199.07; Apr. 30, 202.88; May 28, 204.96; June 20, 197.92; Aug. 25, 211.93; Oct. 27, 207.01; Dec. 31, 205.52.

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, 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	248.58	Apr. 7	247.48	July 7	262.28	Oct. 6	268.06
14	248.14	14	247.43	14	262.54	13	263.08
21	248.15	21	247.43	21	262.33	20	262.64
28	248.60	28	24.57	28	263.95	27	262.08
Feb. 4	246.29	May 5	246.87	Aug. 4	280.36	Nov. 3	266.91
11	248.15	12	248.72	11	268.03	10	266.05
16	247.78	19	249.58	18	266.35	17	266.12
25	247.82	28	250.26	25	265.78	24	265.96
Mar. 3	245.75	June 3	251.61	Sept. 2	265.83	Dec. 1	266.41
11	247.57	9	252.86	8	265.79	8	267.06
17	247.80	16	255.29	15	265.93	15	266.76
24	247.89	23	260.00	22	267.13	22	266.65
31	247.63	30	264.24	29	266.16	29	264.13

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 192.81 below lsd, Mar. 25, 1952. Records available: 1944-52.

## 11--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	187.93	Apr. 29	191.26	July 28	187.75	Dec. 1	191.01
Feb. 26	188.95	May 28	187.72	Aug. 25	188.17	31	191.20
Mar. 25	192.81	June 30	187.62	Oct. 28	190.41		

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 168.13 below lsd, Dec. 31, 1952. Records available: 1945-52.

Jan. 25	160.03	Apr. 29	159.80	July 28	161.42	Dec. 1	166.71
Feb. 26	159.55	May 28	159.93	Aug. 25	162.52	31	168.13
Mar. 25	159.58	June 30	160.64	Oct. 27	165.77		

14. U. S. Geol. Survey. NE. cor. sec. 29, T. 9 N., R. 3 W. Driven observation water-table well in alluvium, diameter 1 $\frac{1}{4}$  inches, depth 12 feet, screen 10-12. Highest water level 1.04 below lsd, June 2, 1947; lowest 9.81 below lsd, Oct. 27, 1952. Records available: 1946-52.

Jan. 25	7.81	Apr. 29	7.47	July 28	8.35	Dec. 1	9.62
Feb. 26	7.68	May 23	5.34	Aug. 25	9.04	31	9.58
Mar. 25	7.54	June 30	7.74	Oct. 27	9.81		

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 $\frac{1}{4}$  inches, depth 23 feet, screen 21-23. Highest water level 2.97 below lsd, June 24, 1947; lowest 9.82 below lsd, Oct. 27, 1952. Records available: 1947-52.

Jan. 25	7.58	Apr. 30	6.36	July 28	7.18	Oct. 27	9.82
Feb. 29	7.48	May 28	4.64	Aug. 25	8.61	Nov. 25	9.56
Mar. 25	6.98	June 20	6.53	Sept. 25	9.61	Dec. 31	9.48

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 10.77 below lsd, Oct. 18, 1949. Records available: 1947-52. Jan. 22, 8.77; Mar. 19, 9.04; Aug. 8, 9.56.

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 $\frac{1}{4}$  inches, depth 16 feet, cased to 16, screen at 14-16. Highest water level 6.72 below lsd, July 14, 1951; lowest 11.81 below lsd, Nov. 6, 1952. Records available: 1946-52. May 31, 10.16; Aug. 4, 10.90; Sept. 8, 11.26; Oct. 2, 11.28; Oct. 30, 11.74; Nov. 6, 11.81; Dec. 1, 11.80.

Ellis County

1. Patricia 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 38.48 below lsd, May 17, 1949. Records available: 1946-52. May 31, 38.03; Oct. 30, 38.12.

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. May 31, 40.92; Oct. 30, 41.47.

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: 1946-52. May 31, 25.29; Oct. 30, 25.55.

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 $\frac{1}{4}$  inches, depth 13 feet, cased to 13, screen 11-13. Highest water level 5.99 below lsd, July 14, 1951; lowest 9.08 below lsd, Oct. 30, 1952. Records available: 1951-52. May 31, 7.48; Oct. 30, 9.08.

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 10.11 below lsd, Oct. 30, 1952. Records available: 1951-52. May 31, 9.74; Oct. 30, 10.11.

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 $\frac{1}{2}$  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: 1951-52. May 31, 12.48; Oct. 30, 19.91.

### 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 27.87 below lsd, Dec. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	15.83	Apr. 29	22.10	July 30	25.96	Oct. 28	27.32
31	12.17	May 28	22.10	Aug. 27	26.33	Nov. 25	23.57
Mar. 31	21.69	June 27	24.67	Sept. 30	16.49	Dec. 29	27.87

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 7.42 below lsd, Sept. 30, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	4.25	Apr. 29	3.89	July 30	6.83	Oct. 28	7.22
31	4.07	May 28	5.04	Aug. 27	7.03	Nov. 25	7.38
Mar. 31	3.78	June 27	6.20	Sept. 30	7.42	Dec. 29	7.07

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, Feb. 28, 1951; lowest 12.72 below lsd, Nov. 25, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.05	Apr. 29	3.07	July 30	9.21	Oct. 28	12.70
31	2.57	May 28	4.13	Aug. 27	10.54	Nov. 25	12.72
Mar. 31	3.06	June 27	6.72	Sept. 30	11.43		

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.95	Apr. 29	14.84	July 30	18.35	Oct. 28	24.04
31	12.80	May 28	15.31	Aug. 27	18.65	Nov. 25	24.11
Mar. 31	14.35	June 26	16.46	Sept. 30	20.40		

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.50	Apr. 29	11.30	July 30	13.79	Oct. 28	15.25
31	12.05	May 27	11.20	Aug. 28	14.44	Nov. 25	14.66
Mar. 31	11.59	June 27	12.34	Sept. 30	15.07	Dec. 29	14.40

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 57.02 below lsd, Jan. 31, 1952; lowest 57.46 below lsd, Oct. 2, 1950, Mar. 1, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	57.29	May 29	57.13	Aug. 28	57.05	Nov. 28	57.17
31	57.02	June 26	57.14	Oct. 1	57.09	Dec. 30	57.07
Apr. 29	57.27	July 29	57.10				

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	49.45	Apr. 29	49.43	July 29	49.44	Nov. 28	49.46
31	49.41	May 29	49.46	Aug. 28	49.45	Dec. 29	49.45
Apr. 1	49.43	June 26	49.49	Oct. 1	49.50		

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	37.38	Apr. 29	35.51	July 29	35.52	Nov. 28	35.57
31	35.46	May 29	35.44	Aug. 28	35.54	Dec. 30	35.59
Apr. 1	35.49	June 26	35.76	Oct. 1	35.60		

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 9.10 below lsd, Oct. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	7.47	Apr. 29	6.81	July 29	8.62	Nov. 28	9.07
31	7.45	May 29	7.15	Aug. 28	8.41	Dec. 30	8.90
Apr. 1	7.05	June 26	7.92	Oct. 1	9.10		

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 47.22 below lsd, Dec. 30, 1952; lowest 48.87 below lsd, Aug. 2, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	48.09	Apr. 29	47.70	July 29	47.49	Nov. 26	47.30
31	48.06	May 29	47.60	Aug. 28	47.53	Dec. 30	47.22
Apr. 1	47.80	June 25	47.47	Oct. 1	47.52		

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 51.43 below lsd, Dec. 30, 1952; lowest 53.57 below lsd, Mar. 7, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	51.81	May 29	51.87	Aug. 28	51.80	Nov. 26	51.68
31	52.32	June 26	51.76	Oct. 1	51.83	Dec. 30	51.43
Apr. 29	51.97	July 29	51.80				

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 53.91 below lsd, June 26, 1952; lowest 55.97 below lsd, June 29, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	53.92	May 29	53.99	Aug. 28	53.97	Nov. 26	53.93
31	54.57	June 26	53.91	Oct. 1	54.04	Dec. 30	53.94
Apr. 29	54.17	July 29	53.96				

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	36.32	Apr. 29	36.43	July 29	36.46	Nov. 26	36.69
31	36.40	May 29	36.47	Aug. 28	36.48	Dec. 30	36.50
Apr. 1	36.45	June 26	34.46	Oct. 1	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 32.76 below lsd, Dec. 30, 1952; lowest 34.35 below lsd, Aug. 2, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	33.53	Apr. 29	33.18	July 29	32.90	Nov. 26	32.77
31	33.41	May 29	33.01	Aug. 28	32.95	Dec. 30	32.76
Apr. 1	33.29	June 26	32.97	Oct. 1	32.84		

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 59.08 below lsd, Dec. 5, 1951. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	58.50	May 29	57.94	Aug. 28	58.06	Nov. 28	58.24
31	58.66	June 26	58.17	Oct. 1	58.20	Dec. 30	58.28
Apr. 29	58.50	July 29	57.94				

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 60.30 below lsd, Jan. 31, 1952. Records available: 1950-52.

## 18--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	59.97	May 29	57.99	Aug. 28	58.08	Nov. 28	57.65
31	60.30	June 26	58.20	Oct. 1	57.88	Dec. 30	57.58
Apr. 29	57.84	July 29	58.43				

19. 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 58 feet, cased to 58. Highest water level 39.88 below lsd, Apr. 1, 1952; lowest 50.33 below lsd, Jan. 31, 1952. Records available: 1950-52. Jan. 1, 50.07; Jan. 31, 50.33; Apr. 1, 39.88; Apr. 29, 40.36; May 29, 40.97. Measurement discontinued.

## 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 15.99 below lsd, Oct. 26, 1948. Records available: 1945-52.

Jan. 28	14.24	Apr. 29	15.07	July 29	14.62	Oct. 30	15.20
Feb. 28	14.14	May 26	13.31	Aug. 23	15.06	Nov. 25	14.98
Mar. 27	14.00	June 19	13.54	Sept. 30	15.46	Dec. 29	14.74

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: 1946-52.

Jan. 28	52.56	Apr. 29	53.19	July 29	53.32	Oct. 30	53.45
Feb. 28	52.57	May 26	53.34	Aug. 23	53.43	Nov. 25	53.44
Mar. 27	53.02	June 19	53.35	Sept. 30	53.44	Dec. 29	53.60

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: 1946-52.

Jan. 28	31.11	Apr. 29	31.70	July 29	29.48	Oct. 30	30.97
Feb. 28	30.96	May 26	31.41	Aug. 23	29.76	Nov. 25	30.84
Mar. 27	31.85	June 19	29.81	Sept. 30	30.47	Dec. 29	29.45

11. Mamie L. Hill Estate. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 4 N., R. 7 W. Drilled domestic water-table well in Rush Springs sandstone, diameter 6 inches, depth 95 feet. Highest water level 1.68 below lsd, July 29, 1950; lowest 11.57 below lsd, Jan. 26, 1950. Records available: 1946-52. Measurement discontinued.

Jan. 28	10.16	Apr. 29	8.55	July 29	5.26	Sept. 30	9.98
Feb. 28	10.08	May 26	2.99	Aug. 23	7.80	Oct. 30	10.65
Mar. 27	8.93	June 19	4.63				

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: 1946-52.

Jan. 28	47.76	Apr. 29	47.71	July 29	46.78	Oct. 30	47.22
Feb. 28	47.32	May 26	47.59	Aug. 23	46.95	Nov. 25	46.90
Mar. 27	47.89	June 19	47.01	Sept. 30	47.02	Dec. 29	47.23

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 28.49 below lsd, Dec. 30, 1949. Records available: 1946-52.

Jan. 28	27.92	Apr. 29	27.08	Aug. 23	25.66	Nov. 25	27.33
Feb. 28	27.14	May 26	26.82	Sept. 30	26.42	Dec. 29	27.78
Mar. 27	27.26	July 29	25.35	Oct. 30	27.03		

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: 1946-52.

Jan. 28	13.07	Apr. 29	13.45	July 29	13.81	Oct. 30	14.61
Feb. 28	13.43	May 26	12.39	Aug. 23	14.74	Nov. 25	14.69
Mar. 27	12.84	June 19	11.58	Sept. 30	14.94	Dec. 29	13.95



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 13.57 below lsd, Nov. 23, Dec. 21, 1948. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	12.59	Apr. 29	12.45	July 29	9.92	Oct. 30	12.45
Feb. 28	12.52	May 26	11.36	Aug. 23	10.64	Nov. 25	12.70
Mar. 27	12.77	June 19	9.20	Sept. 30	11.67	Dec. 29	13.34

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 57.40 below lsd, Oct. 27, 1949. Records available: 1946-52.

Jan. 28	54.69	Apr. 29	54.71	July 29	54.88	Oct. 30	55.24
Feb. 28	54.24	May 26	55.07	Aug. 23	55.84	Nov. 25	54.87
Mar. 27	54.94	June 19	54.98	Sept. 30	55.18	Dec. 29	55.35

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 76.55 below lsd, Apr. 30, 1950. Records available: 1946-52.

Jan. 28	74.95	Apr. 29	75.20	July 29	75.24	Oct. 30	75.99
Feb. 28	74.74	May 26	75.30	Aug. 23	75.57	Nov. 25	75.75
Mar. 27	75.23	June 19	75.07	Sept. 30	75.98	Dec. 29	76.01

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 2.54 below lsd, May 30, 1949, Mar. 28, 1951; lowest 6.19 below lsd, Feb. 25, 1949. Records available: 1946-52.

Jan. 28	3.49	Apr. 29	3.80	July 29	2.82	Oct. 30	3.54
Feb. 28	3.51	May 26	3.17	Aug. 23	3.95	Nov. 25	2.84
Mar. 27	3.61	June 19	2.94	Sept. 30	4.84	Dec. 29	2.80

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 81.59 below lsd, Nov. 5, 1952. Records available: 1948-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.24	80.21	80.34	80.82	80.52	80.68	80.61	80.74	.....	80.97	81.05	81.24
2	80.25	80.18	80.16	h80.65	80.57	80.63	80.63	80.69	.....	81.13	.....	81.24
3	80.25	80.22	.....	80.73	80.62	80.61	80.73	80.67	h80.79	81.03	.....	81.24
4	80.12	80.27	.....	80.89	80.61	80.64	80.69	80.72	80.90	80.98	.....	81.38
5	80.12	80.35	h80.33	80.86	80.54	80.56	80.64	80.73	80.91	81.08	h81.59	81.38
6	80.18	80.35	80.44	80.84	80.53	80.61	80.63	80.73	80.91	81.16	.....	81.25
7	80.07	80.26	80.45	80.69	80.49	80.63	80.73	80.72	80.90	81.13	.....	81.19
8	80.04	80.24	80.34	80.66	80.48	80.58	80.75	80.75	80.91	81.03	.....	81.23
9	80.35	80.24	80.20	80.94	80.64	80.61	80.67	80.76	80.90	81.07	.....	81.39
10	80.35	80.19	80.39	80.92	80.69	80.58	80.61	80.71	80.89	81.08	.....	81.43
11	80.14	80.23	80.38	80.71	80.65	80.58	80.65	80.76	80.89	81.05	.....	81.37
12	80.12	80.07	80.35	80.76	80.64	80.55	80.69	80.80	80.88	81.01	h81.12	81.43
13	80.09	80.19	80.43	80.84	80.60	80.58	80.70	80.78	80.85	80.98	81.09	81.37
14	80.12	80.29	80.46	80.88	80.47	80.60	80.69	80.77	80.96	81.20	81.16	81.42
15	80.13	80.30	80.53	80.86	80.45	80.56	80.68	80.73	80.97	81.20	81.13	81.33
16	80.13	80.26	80.44	80.87	80.61	80.56	80.66	80.76	80.87	81.08	81.16	81.29
17	80.22	80.23	80.24	80.87	80.72	80.61	80.68	80.79	80.83	81.19	81.22	81.31
18	80.18	80.16	80.33	80.83	80.72	80.58	80.72	80.81	80.96	81.21	81.31	81.36
19	80.18	80.24	80.31	80.75	80.65	80.57	80.72	80.81	80.97	81.10	81.29	81.36
20	80.23	80.38	80.34	80.73	80.58	80.52	80.65	80.76	81.02	81.17	81.25	81.43
21	80.08	80.30	80.45	80.81	80.51	80.67	80.71	80.80	.....	81.19	81.20	81.35
22	80.27	80.26	80.53	80.88	80.59	80.58	80.71	80.85	.....	81.17	81.29	81.35
23	80.34	80.29	80.51	.....	80.72	80.59	80.78	80.82	h80.93	81.17	81.32	81.41
24	80.24	80.33	80.35	.....	80.65	80.56	80.74	80.82	80.93	81.12	81.22	81.45
25	80.04	80.40	80.46	.....	80.67	80.55	80.70	80.81	81.01	81.10	81.38	81.46
26	80.21	80.39	80.43	.....	80.63	80.60	80.75	80.81	81.00	81.13	81.41	81.41
27	80.25	80.28	h80.75	.....	80.59	80.61	80.74	80.83	80.97	81.24	81.41	81.45
28	80.29	80.17	.....	.....	80.68	80.66	80.69	.....	80.99	81.29	81.33	81.37
29	80.23	80.36	.....	.....	80.67	80.65	80.68	.....	81.03	81.20	81.33	81.26
30	80.23	.....	80.66	h80.44	80.53	80.61	80.72	.....	81.01	81.06	81.34	81.31
31	80.19	.....	80.64	.....	80.70	.....	80.76	.....	.....	81.08	.....	81.39

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: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	5.57	Apr. 29	5.91	July 28	6.40	Oct. 30	7.62
Feb. 28	5.34	May 26	4.69	Aug. 23	7.07	Nov. 25	6.58
Mar. 27	5.31	June 19	5.50	Sept. 30	7.71	Dec. 30	7.24

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 25.29 below lsd, Sept. 30, 1952. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	23.04	Apr. 29	23.41	July 28	23.77	Nov. 25	24.82
Feb. 28	23.75	May 26	22.13	Sept. 30	25.29	Dec. 29	24.75
Mar. 27	23.68	June 19	22.83	Oct. 30	25.06		

### 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 25.82 below lsd, Apr. 15, 1949. Records available: 1949-52. Mar. 21, 25.65.

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. Mar. 21, 46.35.

6. Earl Thomas. NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  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 31.17 below lsd, Apr. 16, 1949. Records available: 1949-52. Feb. 1, 30.88.

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 rocks 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: 1949-52. Feb. 1, 91.49; Mar. 21, 91.93.

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 22.71 below lsd, Feb. 1, 1952. Records available: 1950-52. Feb. 1, 22.71.

### 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 24.84 below lsd, Apr. 26, 1951. Records available: 1950-52. Mar. 20, 23.03.

2. Mrs. Barbara Brown. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 1, T. 2 N., R. 27 W. Drilled irrigation artesian well, 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. Mar. 20, 32.60.

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 14.85 below lsd, Apr. 26, 1951. Records available: 1950-52. Mar. 20, 13.05.

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 terrace deposit, 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 12.23 below lsd, Apr. 26, 1951. Records available: 1950-52, Mar. 20, 13.10.

5. H. B. Bartlett. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 1 N., R. 26 W. Drilled irrigation water-table well, 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. No measurement made in 1952.

6. McClendon.  $NE\frac{1}{4}NE\frac{1}{4}$  sec. 1, T. 1 N., R. 27 W. Drilled well, 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: 1950-52. Mar. 20, 17.28.

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. Highest water level 31.51 below lsd, Nov. 16, 1950; lowest 33.95 below lsd, Mar. 20, 1952. Records available: 1950, 1952. Mar. 20, 33.95.

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, reported depth 112 feet. Highest water level 20.27 below lsd, Nov. 16, 1950; lowest 25.86 below lsd, Mar. 20, 1952. Records available: 1950, 1952. Mar. 20, 25.86.

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. Mar. 20, 20.26.

#### 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: 1940-52. May 19, 5.76; July 2, 7.81; Aug. 11, 8.56; Oct. 14, 9.98; Nov. 22, 10.70.

#### 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: 1947-52. Feb. 6, 8.30; Mar. 17, 7.08; Aug. 6, 7.90.

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 34.84 below lsd, Mar. 20, 1952. Records available: 1948-52. Jan. 25, 28.50; Mar. 20, 34.84.

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 34.42 below lsd, Mar. 20, 1952. Records available: 1948-52. Feb. 2, 33.58; Mar. 20, 34.42.

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 32.68 below lsd, Mar. 21, 1952. Records available: 1948-52. Feb. 2, 32.49; Mar. 21, 32.68.

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, diameter 16 to 14 inches, depth 100 feet, perforations 18-100. Highest water level 19.40 below lsd, Nov. 15, 1950; lowest 30.33 below lsd, Apr. 25, 1951. Records available: 1949-52. Feb. 1, 23.12; Mar. 21, 24.29.

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: 1949-52. Feb. 1, 20.30; Mar. 21, 20.90.

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, cased to 118. Highest water level 29.27 below lsd, Oct. 26, 1950; lowest 37.73 below lsd, July 3, 1950. Records available: 1950-52. Feb. 2, 31.50; Mar. 20, 32.80.

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 26.62 below lsd, Mar. 20, 1952. Records available: 1949-50, 1952. Feb. 2, 24.90; Mar. 20, 26.62.

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 48.32 below lsd, Apr. 25, 1951. Records available: 1949-52. Feb. 2, 47.09; Mar. 20, 48.27.

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 27.42 below lsd, Feb. 4, 1952. Records available: 1950, 1952. Feb. 4, 27.42.

12. Alvin and Herbert Robertson. SE $\frac{1}{4}$ 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 45.09 below lsd, Apr. 25, 1951. Records available: 1949-52. Feb. 2, 44.26; Mar. 20, 43.56.

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 33.99 below lsd, Apr. 25, 1951. Records available: 1950-52. Feb. 1, 30.40.

15. Criswell. 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 24.91 below lsd, Apr. 25, 1951. Records available: 1950-52. Feb. 2, 21.83; Mar. 21, 24.27.

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 34.63 below lsd, Mar. 20, 1952. Records available: 1948, 1950, 1952. Feb. 4, 26.25; Mar. 20, 34.63.

#### 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 22.44 below lsd, Dec. 25, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.85	Apr. 3	14.84	July 3	16.18	Oct. 2	18.50
10	14.06	10	14.89	10	16.26	9	18.66
17	14.16	17	15.08	17	16.35	16	19.21
24	14.30	24	15.15	24	16.50	23	19.71
31	14.45	May 1	15.05	31	16.84	30	20.06
Feb. 7	14.60	8	15.14	Aug. 7	17.07	Nov. 6	20.40
14	14.75	15	15.17	14	17.12	13	20.72
21	14.89	22	15.13	21	17.27	20	21.07
28	15.01	29	15.26	28	17.35	27	21.25
Mar. 6	15.11	June 5	15.28	Sept. 4	17.54	Dec. 4	21.55
13	14.90	12	15.38	11	17.83	11	21.93
20	14.97	19	15.77	18	18.08	18	22.16
27	14.86	26	15.90	25	18.23	25	22.44

#### Kingfisher County

1. R. V. Sturgeon. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, T. 19 N., R. 9 W. Drilled unused artesian 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: 1950-52.

Jan. 31	14.56	May 27	13.77	Aug. 28	16.98	Nov. 25	16.75
Mar. 31	14.05	June 27	15.70	Sept. 29	17.30	Dec. 29	16.50
Apr. 29	13.66	July 30	16.58	Oct. 31	17.40		

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: 1950-52.

Jan. 31	18.28	May 27	18.26	Aug. 28	19.28	Nov. 25	19.51
Mar. 31	18.25	June 27	18.40	Sept. 29	19.75	Dec. 29	19.60
Apr. 28	18.14	July 30	19.02	Oct. 28	20.08		

3. John Goetzinger. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 10, T. 18 N., R. 7 W. Drilled unused 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 21.42 below lsd, Dec. 29, 1952. Records available: 1950-52.

Jan. 31	21.26	May 27	21.26	Aug. 27	21.38	Nov. 25	21.40
Mar. 31	21.22	June 27	21.31	Sept. 29	21.40	Dec. 29	21.42
Apr. 28	21.25	July 30	21.34	Oct. 31	21.41		

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 31.58 below lsd, Sept. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	29.95	May 27	30.24	Aug. 27	31.34	Nov. 25	31.29
Mar. 31	29.92	June 27	30.62	Sept. 29	31.58	Dec. 29	31.25
Apr. 28	29.99	July 30	31.07	Oct. 31	31.45		

5. Walter Stribel. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 4, T. 18 N., R. 7 W. Dug unused water-table well in terrace deposit, diameter 36 inches, depth 26 feet. Land-surface datum is 1,097.4 feet above msl. Highest water level 11.83 below lsd, Aug. 7, 1951; lowest 15.70 below lsd, Jan. 31, 1952. Records available: 1950-52. Jan. 31, 15.70; Mar. 31, 12.95; Apr. 28, 14.65; May 27, 13.30. Measurement discontinued.

8. 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 $\frac{1}{4}$  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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	1.53	May 27	2.07	Aug. 27	4.65	Nov. 25	2.95
Mar. 31	1.48	June 27	3.78	Sept. 29	5.00	Dec. 29	2.92
Apr. 28	1.53	July 30	4.48	Oct. 31	4.38		

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. No measurement made in 1952.

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 43.10 below lsd, Nov. 25, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	41.16	May 27	41.66	Aug. 28	42.62	Nov. 25	43.10
Mar. 31	41.34	June 27	41.84	Sept. 29	37.50	Dec. 29	43.05
Apr. 28	41.48	July 30	42.02	Oct. 31	42.85		

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 1,193.0 feet above msl. Highest water level 18.41 below lsd, Dec. 29, 1952; lowest 22.26 below lsd, July 14, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	19.91	May 27	20.06	Aug. 28	20.40	Oct. 28	20.62
Mar. 31	19.93	July 30	20.58	Sept. 29	19.48	Dec. 29	18.41
Apr. 28	19.98						

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 10.57 below lsd, July 6, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	10.22	May 27	9.34	Aug. 28	10.04	Nov. 25	10.19
Apr. 1	9.32	June 27	9.25	Sept. 29	10.20	Dec. 29	10.22
28	9.23	July 30	9.92	Oct. 31	10.24		

#### 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 Hennessey shale, depth 42 feet. Highest water level 34.21 below lsd, Aug. 8, 1952; lowest 39.58 below lsd, Oct. 19, 1947. Records available: 1947-52. Jan. 22, 37.38; Mar. 19, 34.25; Aug. 8, 34.21.

#### 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, diameter 6 inches, depth 23 feet. Highest water level 13.91 below lsd, Aug. 23, 1949; lowest 17.21 below lsd, Dec. 30, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	16.33	Apr. 29	16.17	July 29	15.38	Nov. 25	15.35
Feb. 28	16.10	May 26	15.46	Sept. 25	16.48	Dec. 30	17.21
Mar. 27	16.57	June 20	14.73	Oct. 30	16.78		

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: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	97.20	Apr. 24	96.80	July 24	97.60	Nov. 1	98.85
Feb. 23	96.65	June 6	96.16	Aug. 27	98.15	29	99.19
Mar. 30	96.28	25	96.80	Sept. 27	98.55	Dec. 26	98.90

4. Lynch. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  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 15.30 below lsd, Nov. 30, 1952. Records available: 1949-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	6.46	Apr. 24	2.22	July 24	11.06	Nov. 1	15.30
Feb. 23	4.13	June 6	5.95	Aug. 27	13.17	29	10.08
Mar. 29	5.01	24	7.25	Sept. 27	14.48	Dec. 26	6.87

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 8 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: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	52.38	Apr. 24	8.50	July 24	61.61	Nov. 1	62.86
Feb. 23	9.05	June 4	54.80	Aug. 27	62.04	29	62.82
Mar. 29	12.60	24	60.48	Sept. 27	62.60	Dec. 26	62.57

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 21.60 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	17.18	Apr. 24	12.84	July 24	18.11	Nov. 1	21.60
Feb. 23	14.79	June 4	14.40	Aug. 27	19.58	29	20.52
Mar. 29	14.45	24	16.27	Sept. 27	20.67	Dec. 26	19.41

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 15.45 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	10.93	Apr. 24	4.98	Aug. 27	14.59	Nov. 29	13.98
Feb. 23	8.93	June 24	12.97	Sept. 27	14.40	Dec. 26	12.64
Mar. 30	10.18	July 24	13.90	Nov. 1	15.45		

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 5-1/3 by 5-1/3 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, Sept. 27, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	9.62	Apr. 24	1.55	July 24	15.70	Nov. 29	6.92
Feb. 23	8.09	June 4	11.19	Aug. 27	19.49	Dec. 26	9.71
Mar. 30	7.95	24	12.29	Sept. 27	(f)		

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 27.49 below lsd, Nov. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	23.15	Apr. 24	20.19	July 24	23.21	Nov. 1	26.63
Feb. 23	22.00	June 4	18.50	Aug. 27	24.89	29	27.49
Mar. 29	20.24	24	20.99	Sept. 27	25.58	Dec. 26	27.11

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 9.09 below lsd, July 24, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	3.19	Apr. 24	1.36	June 24	5.74	Nov. 29	6.38
Feb. 23	1.29	June 4	3.21	July 24	9.09	Dec. 26	5.93
Mar. 29	2.85						

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. Highest water level 0.00 below lsd, Apr. 24, 1952; lowest 10.97 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	0.20	Apr. 24	0.00	July 24	5.78	Nov. 1	10.97
Feb. 23	4.05	June 4	1.41	Aug. 27	8.36	29	6.58
Mar. 29	.16	24	3.44	Sept. 27	9.85	Dec. 26	.63

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 13.85 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	2.91	Apr. 24	1.62	July 24	10.75	Nov. 1	13.85
Feb. 23	2.09	June 4	3.98	Aug. 27	12.63	29	6.98
Mar. 29	2.65	24	6.68	Sept. 27	13.68	Dec. 26	3.80

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 10.07 below lsd, Aug. 27, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	2.77	Apr. 24	1.00	July 24	7.11	Nov. 1	9.78
Feb. 23	1.85	June 4	3.55	Aug. 27	10.07	29	7.09
Mar. 29	2.56	24	5.63	Sept. 27	8.88	Dec. 26	4.12

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 10.87 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	3.07	Apr. 24	1.58	July 24	6.97	Nov. 1	10.87
Feb. 23	2.98	June 4	3.31	Aug. 27	8.40	29	10.03
Mar. 29	3.19	24	4.97	Sept. 27	9.55	Dec. 26	3.11

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 0.20 below lsd, Apr. 24, 1952; lowest 14.59 below lsd, July 27, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	0.40	Apr. 24	0.20	July 27	14.59	Nov. 1	8.34
Feb. 23	.27	June 4	.98	Aug. 27	6.32	29	9.46
Mar. 29	.54	24	2.34	Sept. 27	5.85	Dec. 26	.97

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 13.30 below lsd, Nov. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	4.00	Apr. 24	3.13	July 24	8.64	Nov. 1	12.72
Feb. 23	3.71	June 4	5.08	Aug. 27	9.79	29	13.30
Mar. 29	3.80	24	6.89	Sept. 27	11.32	Dec. 26	11.57

25. H. L. Spencer. SE $\frac{1}{4}$ 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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	1.70	Apr. 24	0.60	July 24	5.19	Nov. 1	10.47
Feb. 23	1.29	June 6	2.76	Aug. 27	6.16	29	5.58
Mar. 29	2.02	24	3.97	Sept. 27	8.52	Dec. 26	1.77

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 11.19 below lsd, Nov. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	9.46	Apr. 24	6.77	July 24	9.17	Nov. 1	11.12
Feb. 23	8.74	June 4	6.14	Aug. 27	10.11	29	11.19
Mar. 29	8.62	24	7.39	Sept. 27	10.67	Dec. 26	10.82

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 14.60 below lsd, Nov. 1, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	10.38	Apr. 24	6.14	July 24	11.24	Nov. 1	14.60
Feb. 23	9.69	June 4	6.65	Aug. 27	13.02	29	12.98
Mar. 29	8.68	24	8.45	Sept. 27	13.95	Dec. 26	13.89

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	18.91	Apr. 24	18.78	July 24	18.82	Nov. 1	19.18
Feb. 23	18.85	June 4	18.79	Sept. 27	19.10	29	18.50
Mar. 29	18.72	24	18.75				

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	10.63	June 4	6.99	Aug. 27	12.04	Nov. 29	13.58
Feb. 23	10.25	24	8.58	Sept. 27	13.00	Dec. 26	12.29
Mar. 29	10.20	July 24	10.63	Nov. 1	13.84		

32. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$  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 16.13 below lsd, Nov. 4, 1952. Records available: 1951-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.37	14.53	14.55	14.55	14.51	14.79	15.20	15.41	15.50	15.78	15.98	15.90
2	14.45	.....	14.54	14.62	14.58	14.81	15.22	15.38	15.58	15.84	16.01	15.83
3	14.47	.....	14.33	14.61	14.66	14.82	15.24	15.37	15.62	15.87	16.12	15.81
4	14.45	.....	14.27	14.54	14.70	14.83	15.26	15.38	15.63	15.86	16.13	15.82
5	14.40	.....	14.34	14.65	14.70	14.80	15.27	15.38	15.64	15.85	16.09	15.86
6	14.46	.....	14.40	14.69	14.71	14.81	15.26	15.38	15.65	15.93	16.08	15.84
7	14.46	.....	14.42	14.67	14.72	14.84	15.26	15.37	15.66	15.95	16.12	15.77
8	14.37	.....	14.41	14.60	14.72	14.83	15.28	15.35	15.67	15.94	16.09	15.72
9	14.44	.....	14.36	14.63	14.67	14.84	15.28	15.35	15.67	15.90	16.04	15.75
10	14.57	.....	14.20	14.69	14.77	14.85	15.27	15.35	15.67	15.92	16.06	15.83
11	14.57	.....	14.23	14.68	14.82	14.86	15.29	15.35	15.67	15.94	.....	15.83
12	14.50	.....	14.22	14.55	14.85	14.86	h15.33	15.40	15.67	15.92	.....	15.87
13	14.46	.....	14.27	14.44	14.86	14.89	.....	15.43	15.65	15.89	.....	15.87
14	14.39	.....	14.30	14.52	14.85	14.93	.....	15.45	15.69	15.87	.....	15.90
15	14.39	.....	14.48	14.56	14.80	14.95	.....	15.44	15.71	15.95	h15.96	15.91
16	14.40	14.35	14.53	14.61	14.78	14.93	h15.32	15.43	15.71	15.95	15.97	15.89
17	14.40	.....	14.51	14.64	14.82	14.95	15.31	15.46	15.66	15.95	15.98	15.85
18	14.43	.....	14.34	14.63	14.82	14.98	15.32	15.48	15.63	15.99	15.98	15.82
19	14.40	.....	14.30	14.61	14.81	15.00	15.33	15.48	15.68	15.98	15.99	15.79
20	14.41	.....	14.31	14.57	14.78	15.00	15.31	15.48	15.71	16.00	16.00	15.82
21	14.41	.....	14.31	14.50	14.76	15.01	15.31	15.49	15.75	16.02	16.01	15.83
22	14.42	.....	14.51	14.46	14.75	15.05	15.35	15.52	15.77	16.04	15.99	15.75
23	14.55	14.57	14.59	14.41	14.77	15.08	15.38	15.54	15.77	16.05	16.02	15.80
24	14.56	14.57	14.58	.....	14.75	15.08	15.39	15.52	15.79	16.03	16.01	15.86
25	14.49	14.65	14.56	.....	14.76	15.07	15.38	15.52	15.80	16.02	15.87	15.91
26	14.37	14.66	14.62	h14.39	14.75	15.10	15.40	15.52	15.80	16.01	15.92	15.92
27	14.44	14.66	14.70	14.40	14.76	15.14	15.39	15.52	h15.79	16.00	15.97	15.90
28	14.51	14.52	14.71	14.44	14.79	15.17	15.36	15.51	15.78	16.08	15.97	15.90
29	14.53	14.49	14.71	14.49	14.79	15.18	15.34	15.51	15.81	16.10	15.92	15.87
30	14.56	.....	14.70	14.51	14.77	15.18	15.34	15.50	15.81	16.08	15.93	15.79
31	14.56	.....	14.60	.....	14.74	.....	15.38	15.49	.....	16.03	.....	15.78

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 20.58 below lsd, July 22, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	17.47	Apr. 29	17.58	July 30	18.30	Oct. 28	19.23
Feb. 1	17.41	May 28	17.77	Aug. 27	18.32	Nov. 25	18.91
Mar. 31	17.50	June 27	17.98	Sept. 30	18.64		

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: 1950-52.

## Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.58	22.43	22.45	22.48	22.40	22.46	22.57	22.98	23.13	23.34	.....	.....
2	22.56	22.43	22.38	22.48	22.41	22.38	22.67	22.95	23.13	23.37	.....	.....
3	22.56	22.43	22.48	22.43	22.42	22.39	22.65	22.95	23.11	23.33	.....	.....
4	22.46	22.45	22.51	22.49	22.41	22.37	22.62	22.99	23.11	23.34	.....	.....
5	22.51	22.50	22.47	22.48	22.36	22.38	22.61	22.98	23.12	23.40	.....	.....
6	22.52	22.49	22.47	22.48	22.40	22.39	22.61	23.01	23.13	23.40	.....	.....
7	22.41	22.43	22.49	22.39	22.39	22.39	22.70	22.99	23.15	23.40	.....	.....
8	22.41	22.46	22.42	22.36	22.38	22.37	22.69	23.03	23.15	23.34	.....	.....
9	22.55	22.44	22.35	22.52	22.44	22.38	22.64	22.98	23.16	23.33	.....	.....
10	22.55	22.41	22.45	22.51	22.47	22.38	22.63	22.98	23.17	23.33	.....	.....
11	22.42	22.42	22.44	h22.30	22.44	22.41	22.66	23.01	23.17	.....	.....	.....
12	22.43	22.34	22.43	.....	22.44	22.39	22.67	23.03	23.16	.....	.....	.....
13	22.40	22.40	22.47	.....	22.43	22.39	22.67	22.98	23.18	.....	.....	.....
14	22.44	22.46	22.51	.....	22.38	22.43	22.70	22.97	23.22	.....	.....	.....
15	22.43	22.48	22.53	.....	22.35	22.42	22.70	23.00	23.22	.....	.....	.....
16	22.40	22.43	22.45	.....	22.44	22.47	22.74	23.00	23.16	.....	.....	.....
17	22.49	22.42	22.34	.....	22.50	22.47	22.74	23.07	23.16	.....	.....	.....
18	22.46	22.36	22.43	h22.38	22.47	22.49	22.77	23.05	23.24	.....	.....	.....
19	22.44	22.44	22.40	22.39	22.44	22.47	22.77	23.03	23.23	.....	.....	.....
20	22.47	22.48	22.43	22.39	22.40	22.42	22.79	23.00	23.28	.....	.....	.....
21	22.42	22.46	22.46	22.43	22.39	22.46	22.86	23.08	23.28	.....	.....	.....
22	22.50	22.47	22.50	22.43	22.43	22.46	22.98	23.08	23.27	.....	.....	.....
23	22.50	22.47	22.50	22.44	22.47	22.46	22.95	23.09	23.25	.....	.....	.....
24	22.45	22.48	22.44	22.44	22.41	22.46	22.91	23.06	23.25	.....	.....	.....
25	22.36	22.51	22.47	22.45	22.43	22.49	22.91	23.04	23.25	.....	.....	.....
28	22.45	22.46	22.51	22.42	22.40	22.51	22.93	23.03	23.26	.....	23.46	.....
27	22.48	22.41	22.51	22.39	22.44	22.54	22.92	23.06	23.25	.....	.....	.....
28	22.48	22.40	22.44	22.40	22.44	22.57	22.93	23.08	23.30	.....	.....	.....
29	22.47	22.46	22.41	22.40	22.40	22.57	22.97	23.03	23.30	.....	.....	.....
30	22.47	.....	22.38	22.42	22.34	22.57	22.98	23.00	23.30	.....	.....	23.30
31	22.43	.....	22.42	.....	22.41	.....	22.99	23.00	.....	.....	.....	.....

## h Tape measurement.

4. 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 21.46 below lsd, July 22, 1950. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	19.60	Apr. 29	19.69	July 30	19.95	Oct. 28	20.47
Feb. 2	19.62	May 28	19.68	Aug. 28	20.11	Nov. 26	20.67
Mar. 31	19.66	June 27	19.78	Sept. 30	20.33	Dec. 30	20.86

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 17 feet, cased to 17. Highest water level 9.49 below lsd, July 9, 1951; lowest dry, July 9, Aug. 8, Oct. 13, 1952. Records available: 1951-52. May 16, 11.98.

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 9.80 below lsd, Sept. 30, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.27	Apr. 29	5.77	July 30	8.62	Oct. 31	9.77
Feb. 2	6.18	May 28	6.56	Aug. 28	9.34	Nov. 26	9.66
Mar. 31	6.06	June 27	7.48	Sept. 30	9.80	Dec. 30	9.62

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 25.25 below lsd, July 22, 1950. Records available: 1950-52.

Jan. 1	18.87	Apr. 29	19.94	July 30	22.35	Oct. 28	24.90
31	18.47	May 28	20.89	Aug. 27	22.60	Nov. 25	24.72
Mar. 31	18.99	June 27	21.69	Sept. 30	23.80	Dec. 29	25.05

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 13.43 below lsd, Oct. 28, 1952. Records available: 1950-52.

Jan. 1	8.75	Apr. 29	8.09	July 30	11.78	Oct. 28	13.43
31	8.51	May 28	8.70	Aug. 27	12.64	Nov. 25	13.14
Mar. 31	8.26	June 27	9.79	Sept. 30	13.22	Dec. 29	12.99

10. W. D. Fyffe. NE $\frac{1}{4}$ 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: 1950-52.

Jan. 1	31.46	Apr. 29	31.10	July 30	31.05	Oct. 28	31.64
31	31.22	May 28	30.97	Aug. 27	31.20	Nov. 25	31.46
Mar. 31	31.11	June 27	30.88	Sept. 30	32.86	Dec. 29	31.44

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 1,274.5 feet above msl. Highest water level 13.87 below lsd, Aug. 8, 1951; lowest 19.44 below lsd, July 22, 1950. Records available: 1950-52.

Jan. 1	14.54	Apr. 29	14.82	July 30	15.86	Oct. 28	16.42
31	14.52	May 28	14.99	Aug. 28	16.05	Nov. 25	16.50
Mar. 31	14.80	June 26	16.62	Sept. 30	16.10	Dec. 29	16.90

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: 1950-52.

Jan. 1	4.66	Apr. 29	3.91	July 30	6.83	Oct. 31	8.33
Feb. 1	4.55	May 28	4.63	Aug. 28	7.55	Nov. 26	8.19
Mar. 31	4.25	June 27	5.66	Sept. 30	8.20	Dec. 30	7.88

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, Sept. 5, 1951. Records available: 1950-52.

Jan. 1	34.99	Apr. 29	34.51	July 30	37.13	Oct. 31	39.87
Feb. 1	32.42	May 28	35.69	Aug. 28	36.66	Nov. 26	40.90
Mar. 31	34.42	June 27	36.77	Sept. 30	37.88	Dec. 30	40.14

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, Jan. 31, 1952; lowest 23.78 below lsd, July 28, 1950. Records available: 1950-52.

Jan. 31	18.87	May 27	19.23	Aug. 28	19.97	Nov. 25	20.26
Mar. 31	18.97	June 27	19.50	Sept. 29	20.13	Dec. 29	20.38
Apr. 29	19.08	July 30	19.88	Oct. 28	20.32		

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 13.78 below lsd, Dec. 29, 1952. Records available: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	13.62	May 27	13.63	Aug. 28	13.67	Nov. 25	13.72
Mar. 31	13.67	June 27	13.67	Sept. 29	13.68	Dec. 29	13.78
Apr. 29	13.65	July 30	13.71	Oct. 31	13.71		

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 $\frac{1}{4}$  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: 1950-52.

Jan. 31	22.72	May 27	22.15	Aug. 28	23.58	Nov. 25	24.17
Mar. 31	22.75	June 27	22.64	Sept. 29	23.93	Dec. 29	24.10
Apr. 29	21.57	July 30	22.97	Oct. 31	24.14		

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 27.33 below lsd, Apr. 26, 1951. Records available: 1950-52.

Jan. 1	23.80	Apr. 29	23.92	July 30	24.74	Oct. 28	26.17
31	23.67	May 28	24.02	Aug. 27	25.18	Nov. 25	26.27
Mar. 31	23.80	June 27	24.18	Sept. 30	25.74	Dec. 29	26.45

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: 1950-52.

Jan. 1	63.25	May 28	63.39	Aug. 27	63.82	Nov. 26	64.26
Feb. 1	63.13	June 27	63.58	Oct. 28	64.20	Dec. 30	63.94
Apr. 29	63.34	July 30	63.73				

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 19.46 below lsd, Nov. 26, 1952. Records available: 1950-52.

Jan. 1	17.47	Apr. 29	16.93	July 30	18.29	Oct. 31	19.37
Feb. 1	17.41	May 28	16.80	Aug. 28	18.72	Nov. 26	19.46
Apr. 1	17.22	June 27	17.59	Sept. 30	19.23	Dec. 30	19.29

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 24.82 below lsd, Dec. 30, 1952. Records available: 1950-52.

Jan. 1	22.23	Apr. 29	23.35	July 30	23.49	Oct. 28	24.09
Feb. 1	22.56	May 28	23.56	Aug. 28	23.58	Nov. 26	24.26
Apr. 1	23.01	June 27	23.49	Sept. 30	23.54	Dec. 30	24.82

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: 1950-52.

Jan. 1	11.34	Apr. 29	11.30	July 30	13.22	Oct. 31	14.33
Feb. 1	11.46	May 28	11.20	Aug. 27	13.79	Nov. 26	14.08
Apr. 1	11.42	June 27	11.95	Sept. 30	14.26	Dec. 30	13.98

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 1,304.0 feet above msl. Highest water level 25.95 below lsd, Aug. 7, 1951; lowest 31.83 below lsd, July 13, 1950. Records available: 1950-52.

Jan. 1	27.05	Apr. 29	27.58	July 30	27.98	Oct. 28	28.74
Feb. 1	27.03	May 28	27.80	Aug. 28	28.13	Nov. 26	28.80
Apr. 1	27.59	June 27	27.84	Sept. 30	28.38	Dec. 30	28.78

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	29.62	Apr. 29	29.24	July 30	30.58	Nov. 26	30.30
Feb. 1	29.52	May 28	29.20	Aug. 28	30.89	Dec. 30	30.04
Apr. 1	29.38	June 27	29.93				

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	24.17	Apr. 29	23.72	July 30	30.13	Nov. 26	24.87
Feb. 1	23.90	May 28	23.69	Aug. 28	25.95	Dec. 30	24.58
Apr. 1	24.74	June 27	29.41	Sept. 30	27.56		

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	5.60	Apr. 29	5.41	Sept. 30	8.79	Nov. 26	9.35
Feb. 1	5.65	June 27	6.98	Oct. 31	9.84	Dec. 30	9.18
Mar. 31	11.62	July 30	7.97				

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: 1950-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	32.28	Apr. 29	32.22	July 30	32.45	Oct. 28	32.87
Feb. 1	32.33	May 28	32.27	Aug. 27	32.40	Nov. 26	32.93
Apr. 1	32.35	June 27	32.29	Sept. 30	32.67	Dec. 30	32.61

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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	34.93	Apr. 29	34.79	July 30	35.07	Oct. 28	35.60
Feb. 1	34.74	May 28	34.88	Aug. 28	35.25	Nov. 26	35.48
Apr. 1	34.82	June 27	34.90	Sept. 30	35.50	Dec. 30	35.44

### 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: 1943-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25	168.22	June 30	165.94	Sept. 25	171.61	Dec. 1	173.62
Apr. 29	164.47	July 28	167.51	Oct. 27	173.43	31	171.67
May 23	164.28	Aug. 25	169.20				

2. Sunray Oil Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$  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: 1943-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	175.14	Apr. 29	172.92	July 28	177.76	Oct. 27	178.95
Feb. 26	174.64	May 23	178.40	Aug. 25	179.05	Dec. 1	178.09
Mar. 25	173.17	June 30	177.54	Sept. 25	177.45	31	177.27

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: 1943-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	192.60	Apr. 29	195.22	July 28	203.18	Oct. 27	206.40
Feb. 26	196.56	May 23	198.03	Aug. 25	205.96	Dec. 1	205.71
Mar. 25	195.38	June 30	201.33	Sept. 25	207.07	31	203.36

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 149.92 below lsd, May 5, 1947; lowest 214.12 below lsd, Aug. 29, 1952. Records available: 1944-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	162.35	164.69	171.47	161.58	186.97	.....	210.10	213.48	211.56	209.72	186.48
2	.....	162.40	163.45	170.63	163.62	185.46	.....	210.37	212.90	213.00	210.22	186.45
3	.....	161.12	163.36	171.22	162.53	189.76	204.09	210.11	213.15	213.01	210.30	201.33
4	.....	161.20	164.34	171.85	183.70	191.16	204.00	209.35	213.05	211.48	210.41	205.20
5	.....	161.68	164.88	171.94	186.32	192.76	203.00	208.60	213.64	211.57	210.15	206.48
6	.....	161.92	165.43	171.67	187.79	194.33	203.45	208.80	213.05	210.14	208.41	205.99
7	h175.10	162.08	165.87	170.00	188.11	195.22	203.18	209.01	213.01	194.52	197.90	205.96
8	183.88	162.86	165.90	170.48	187.58	194.05	203.09	208.84	212.81	206.57	206.29	206.87
9	185.12	163.30	164.74	171.44	191.89	194.83	201.04	209.37	212.86	209.37	192.20	207.10
10	185.75	163.30	164.20	171.50	191.70	196.37	203.40	209.20	213.25	.....	190.92	207.86
11	163.06	163.27	164.74	172.00	191.63	197.40	204.15	208.90	213.38	.....	204.68	207.86
12	.....	163.96	165.33	172.17	193.49	198.20	204.60	209.48	213.52	.....	207.00	207.56
13	162.14	163.24	165.93	171.40	193.93	198.99	204.44	209.31	213.87	208.16	192.60	207.82
14	160.48	163.55	166.51	172.40	192.82	199.66	202.46	210.61	213.37	209.90	190.02	207.76
15	160.92	164.06	166.70	172.42	193.27	200.01	201.96	210.70	213.21	211.28	204.18	207.16
16	161.25	164.42	165.93	172.65	193.46	200.36	203.43	211.29	213.29	209.89	206.12	207.79
17	161.73	164.60	165.01	173.14	193.19	201.06	203.90	211.86	213.27	207.81	206.75	207.79
18	161.84	164.55	165.78	173.18	185.73	201.77	203.77	211.15	211.91	211.27	204.40	207.06
19	161.98	164.28	166.15	172.42	165.81	202.11	203.74	210.90	211.97	212.13	203.83	208.22
20	161.99	165.05	166.90	171.30	188.20	202.65	201.43	211.52	210.46	212.32	188.61	207.80
21	160.45	165.05	167.41	170.54	189.10	203.43	202.62	212.28	211.07	212.63	186.42	208.14
22	161.22	165.01	167.75	170.68	190.13	203.16	203.90	212.52	211.40	196.67	188.27	207.81
23	161.75	165.02	166.95	.....	190.10	203.30	205.63	213.12	211.91	194.02	203.98	207.88
24	161.75	163.73	166.05	.....	191.63	202.85	.....	212.55	212.43	193.18	204.59	206.26
25	161.88	162.99	167.59	.....	185.61	203.38	.....	212.95	211.23	192.94	200.57	207.00
26	161.94	163.62	170.38	.....	189.55	204.14	.....	212.51	.....	206.81	204.36	199.30
27	161.28	163.62	170.43	.....	190.91	204.79	.....	213.10	.....	202.50	204.87	199.20
28	160.97	163.62	170.34	172.47	180.52	204.65	207.15	213.46	.....	204.60	192.00	200.50
29	161.37	164.60	170.95	182.19	188.54	204.94	209.10	214.12	210.30	191.83	197.60	202.56
30	161.51	.....	171.06	183.53	188.32	204.48	210.14	213.43	210.69	204.88	201.23	203.83
31	161.56	.....	170.71	.....	186.78	.....	209.45	213.52	.....	208.61	.....	203.95

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 36 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 18.59 below lsd, Nov. 30, 1943. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.02	Apr. 29	7.19	July 28	7.31	Oct. 28	8.79
Feb. 26	6.72	May 23	6.13	Aug. 25	7.87	Dec. 1	8.12
Mar. 25	6.16	June 30	6.70	Sept. 25	8.55	31	8.17

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 18.52 below lsd, Nov. 30, 1943. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	7.14	Apr. 29	7.24	July 28	7.34	Oct. 28	8.75
Feb. 26	7.02	May 23	6.46	Aug. 25	7.90	Dec. 1	8.45
Mar. 25	6.20	June 30	6.72	Sept. 25	8.58	31	8.28

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 8.55 below lsd, June 28, 1944. Records available: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	2.10	Apr. 29	1.17	July 28	4.03	Oct. 28	5.10
Feb. 26	1.68	May 23	.02	Aug. 25	4.43	Dec. 1	4.84
Mar. 25	1.17	June 30	2.82	Sept. 25	5.05	31	4.65

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: 1945-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	36.20	Apr. 29	36.08	July 26	35.90	Oct. 28	35.94
Feb. 26	36.17	May 23	36.10	Aug. 25	35.88	Dec. 1	35.95
Mar. 25	36.13	June 30	35.99	Sept. 25	35.90	31	35.92

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: 1945-52.

Jan. 22	13.17	Apr. 29	12.17	July 28	12.72	Oct. 28	15.13
Feb. 26	12.35	May 23	11.48	Aug. 25	14.31	Dec. 1	14.79
Mar. 25	12.32	June 30	12.98	Sept. 25	15.09	31	14.59

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 below msl. Highest water level 13.44 below lsd, Feb. 25, 1946; lowest 17.88 below lsd, Dec. 1, 1952. Records available: 1945-52.

Jan. 22	16.46	Apr. 29	16.14	July 28	16.78	Oct. 28	17.72
Feb. 26	16.46	May 23	15.05	Aug. 25	17.02	Dec. 1	17.88
Mar. 25	16.32	June 30	16.41	Sept. 25	17.38	31	17.85

#### 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 $\frac{1}{2}$  inches, depth 21 feet. Highest water level 1.45 below lsd, Mar. 22, 1952; lowest 7.89 below lsd, Oct. 30, 1939. Records available: 1934-52.

Jan. 27	3.35	Apr. 24	1.50	July 28	4.68	Oct. 30	5.33
Feb. 22	3.25	May 27	2.61	Aug. 25	4.97	Dec. 24	5.24
Mar. 22	1.45	June 27	4.05	Sept. 27	5.22	25	5.55

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: 1934-52.

Jan. 27	5.68	Apr. 24	1.83	July 28	6.90	Oct. 30	10.06
Feb. 22	5.81	May 27	3.94	Aug. 25	8.11	Nov. 28	10.86
Mar. 22	2.12	June 27	5.06	Sept. 27	9.39	Dec. 25	10.75

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: 1934-52.

Jan. 27	18.95	Apr. 24	17.18	July 28	19.27	Oct. 30	21.77
Feb. 22	18.70	May 27	17.23	Aug. 25	20.22	Nov. 28	21.91
Mar. 22	17.95	June 27	18.18	Sept. 27	21.26	Dec. 25	21.92

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: 1934-52.

Jan. 27	20.65	Apr. 24	14.99	July 28	15.09	Oct. 30	18.11
Feb. 22	20.37	May 27	14.24	Aug. 25	15.48	Nov. 28	19.16
Mar. 22	8.84	June 27	14.43	Sept. 27	16.74	Dec. 25	20.15

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: 1934-52.

Jan. 27	16.05	Apr. 24	14.33	July 28	17.95	Oct. 30	19.93
Feb. 22	16.54	May 27	14.90	Aug. 25	18.74	Nov. 28	20.29
Mar. 22	13.21	June 27	15.96	Sept. 27	19.43	Dec. 25	20.42

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 7 inches, depth 47 feet. Highest water level 22.18 below lsd, Oct. 27, 1946; lowest 27.91 below lsd, Jan. 28, 1941. Records available: 1934-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	24.21	Apr. 24	24.20	July 28	23.43	Oct. 30	23.60
Feb. 22	24.04	May 27	23.83	Aug. 25	23.49	Nov. 28	24.05
Mar. 22	24.22	June 27	23.62	Sept. 27	23.43	Dec. 25	24.06

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: 1934-52.

Jan. 27	31.30	Apr. 24	30.24	July 28	30.97	Oct. 30	32.07
Feb. 22	31.01	May 27	30.12	Aug. 25	31.41	Nov. 28	32.57
Mar. 22	30.21	June 27	30.45	Sept. 27	31.70	Dec. 25	32.63

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 21.20 below lsd, Oct. 30, 1951. Records available: 1951-52.

Jan. 27	20.50	Apr. 24	20.26	July 28	20.02	Oct. 30	20.44
Feb. 22	20.50	May 27	20.15	Aug. 25	20.05	Nov. 28	20.53
Mar. 22	20.47	June 27	20.04	Sept. 27	20.25	Dec. 25	20.68

#### 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: 1947-52. May 31, 4.78; Oct. 30, 8.24.

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 24.20 below lsd, Oct. 30, 1952. Records available: 1949, 1951-52. May 31, 23.94; Oct. 30, 24.20.

#### Seminole County

1. Skelly Gas Corp. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 17, T. 9 N., R. 6 E. Drilled unused artesian well in Vamoosa formation, diameter 8 inches, depth 496 feet. Highest water level 96.80 below lsd, May 24, 1952; lowest 115.88 below lsd, Sept. 28, 1948. Records available: 1948-52.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	101.39	100.35	101.61	98.61	.....	97.02	101.24	102.19	101.72	100.44	100.85	98.93
2	101.72	100.54	100.24	98.61	.....	97.92	101.26	101.36	101.93	100.05	100.80	98.51
3	101.78	100.05	99.30	98.53	.....	98.76	101.33	101.80	100.56	100.77	101.23	99.15
4	101.63	99.81	99.32	99.42	.....	99.01	101.33	101.99	101.05	101.19	100.57	99.48
5	101.96	99.82	99.31	100.08	98.27	99.09	101.37	102.05	101.21	101.38	99.60	98.90
6	100.73	99.83	100.50	99.48	99.46	97.86	101.45	102.10	101.34	100.79	100.51	98.44
7	101.04	99.82	100.84	98.86	98.40	97.33	101.55	102.06	101.37	100.23	100.72	98.09
8	102.01	99.71	99.90	98.50	97.88	97.08	101.58	102.07	102.13	99.92	99.74	97.90
9	102.82	99.72	99.32	98.49	98.55	96.99	101.47	102.20	102.28	100.61	99.24	98.03
10	102.95	99.64	98.81	99.69	99.03	97.12	101.32	102.22	101.37	100.94	99.23	98.08
11	101.66	99.46	98.82	99.92	98.23	97.08	101.45	102.23	100.86	100.20	99.16	98.98
12	102.05	99.27	98.71	98.74	97.80	96.97	101.59	102.42	101.45	99.69	99.69	99.47
13	102.10	99.06	100.02	98.16	98.29	97.61	101.66	102.59	101.65	100.10	100.04	98.75
14	101.01	99.14	100.45	98.13	98.86	98.88	101.58	102.46	100.78	101.07	99.20	98.31
15	100.47	99.15	99.85	98.13	98.03	99.19	101.55	102.40	101.21	101.10	98.85	98.22
16	100.29	99.08	99.37	98.15	97.60	99.56	101.49	102.50	101.58	100.30	99.80	97.98
17	100.77	99.04	98.89	99.43	97.61	99.79	101.45	102.25	100.86	100.76	99.97	97.81
18	100.71	98.93	98.36	99.83	97.49	99.93	101.38	102.51	101.33	100.31	99.25	98.83
19	101.38	99.87	98.39	98.97	98.58	100.05	101.44	101.90	101.53	100.71	99.01	99.13
20	101.83	100.99	98.46	98.50	98.99	100.14	101.45	101.33	100.66	100.94	99.44	98.58
21	101.81	101.30	99.68	97.85	97.95	100.33	101.47	102.20	100.41	100.25	99.47	98.03
22	100.70	101.48	100.15	97.64	97.34	100.41	101.59	102.79	.....	99.80	99.60	98.02
23	100.59	101.52	99.43	97.47	97.22	100.45	101.62	102.83	.....	100.43	99.95	97.94
24	100.47	100.44	98.92	97.36	96.88	100.51	101.63	101.98	100.43	100.73	.....	98.03
25	99.94	99.77	98.77	98.21	98.41	100.68	101.69	102.22	101.06	100.02	.....	98.03

1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	101.23	100.33	98.72	97.92	98.69	100.70	101.85	101.48	101.30	99.46	.....	97.95
27	100.61	100.82	98.72	97.56	97.78	100.74	101.89	101.09	100.39	100.49	h98.60	97.80
28	100.26	101.11	99.87	.....	97.33	100.87	101.88	101.75	99.95	100.95	98.65	97.80
29	100.08	101.57	100.30	.....	98.18	101.10	101.98	102.01	100.63	100.03	99.41	98.52
30	99.93		99.46	.....	98.37	101.17	102.07	101.07	101.08	100.17	99.81	98.86
31	99.79		98.69		97.21		102.15	100.65		100.75		98.32

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 87.48 below lsd, May 7, 1951; lowest 91.09 below lsd, Jan. 25, 1941. Records available: 1937-52. May 20, 86.69.

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: 1939-52. May 23, 7.87.

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. May 23, 8.63.

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 10.24 below lsd, Oct. 26, 1945. Records available: 1939-52. May 23, 9.02.

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: 1937-52. May 21, 6.65.

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 120.33 below lsd, May 21, 1952; lowest 123.24 below lsd, Jan. 26, 1940. Records available: 1938-52. May 21, 120.33.

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 7.80 below lsd, Oct. 7, 1952. Records available: 1946-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	5.08	Apr. 7	5.01	June 13	6.20	Sept. 25	7.87
22	5.09	21	4.95	30	6.83	Oct. 7	7.80
Feb. 4	5.05	May 2	5.07	July 21	6.39	28	7.72
20	5.02	19	5.32	31	6.89	Nov. 7	7.65
Mar. 7	4.93	23	5.39	Sept. 3	7.33	18	7.55
27	4.91	June 3	5.70	15	7.55	Dec. 4	7.42

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 87.34 below lsd, May 5, 1951; lowest 89.40 below lsd, Oct. 30, 1944. Records available: 1938, 1942-52. May 21, 86.70.

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: 1937-52. May 21, 41.31.

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: 1946-52. May 21, 9.12.



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, 1949-52. May 21, 63.85.

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 145.45 below lsd, May 14, 1949; lowest 148.47 below lsd, Oct. 21, 1942. Records available: 1937-42, 1946-50, 1952. May 21, 143.15.

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 76.85 below lsd, May 21, 1952; lowest 78.78 below lsd, May 18, 1946. Records available: 1946-52. Records available: 1946-52. May 21, 76.85.

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. No measurement made in 1952.

497. R. M. Van Hynning. 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 97.00 below lsd, May 20, 1952; lowest 104.06 below lsd, Sept. 20, 1938. Records available: 1937-52. May 20, 97.00.

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: 1937-52. May 21, 141.40.

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 112.52 below lsd, May 20, 1952; lowest 119.70 below lsd, Nov. 23, 1940. Records available: 1937-52. May 20, 112.52.

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: 1946-52. May 20, 8.27.

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: 1937-52. May 20, 85.58.

765. O. Jolliff. SW $\frac{1}{4}$  sec. 26, T. 3 N., R. 19 E. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 120 feet, cased to 120. Land-surface datum is 2,765 feet above msl. Highest water level 103.00 below lsd, Nov. 24, 1938; lowest 105.40 below lsd, May 16, 1946. Records available: 1937-52. May 20, 103.04.

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. May 21, 103.26.

#### 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: 1944-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	22.07	Mar. 3	21.98	Apr. 28	22.13	June 23	21.77
14	21.96	10	21.96	May 5	22.19	July 7	22.78
21	22.05	17	21.99	12	22.36	14	22.47
28	22.06	24	22.01	19	22.12	21	21.47
Feb. 4	22.04	31	22.01	26	22.00	28	23.87
11	22.01	Apr. 7	22.07	June 2	21.99	Aug. 4	24.37
18	21.99	14	22.14	9	21.58	11	24.32
25	22.00	21	22.01	16	21.66	18	23.60

## 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 25	25.06	Sept. 29	23.37	Nov. 3	23.39	Nov. 28	23.40
Sept. 1	29.08	Oct. 6	23.37	10	23.40	Dec. 1	23.38
8	28.19	13	23.42	17	23.33	8	23.28
15	23.50	20	23.38	24	23.42	15	23.34
22	23.51	27	23.37				

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 20.06 below lsd, Jan. 29, 1952. Records available: 1949-50, 1952. Jan. 29, 20.06; Apr. 10, 16.59.

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 8.90 below lsd, Oct. 19, 1949. Records available: 1949-52. Jan. 29, 7.35; Apr. 10, 7.18.

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. Jan. 31, 7.90.

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 22.84 below lsd, Apr. 10, 1952. Records available: 1949-50, 1952. Jan. 29, 22.61; Apr. 10, 22.84.

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. Jan. 28, 24.64; Apr. 10, 23.70.

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 24.66 below lsd, Apr. 24, 1951. Records available: 1949-52. Jan. 29, 24.25; Apr. 10, 24.35.

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: 1949-52.

Jan. 5	124.28	Apr. 5	124.34	July 5	124.24	Oct. 4	124.17
12	124.21	12	123.76	12	124.31	11	124.25
19	123.91	19	124.02	19	124.20	18	124.47
26	124.07	26	124.29	26	124.25	26	124.24
Feb. 2	123.90	May 3	124.28	Aug. 2	124.24	Nov. 1	124.02
9	124.31	10	124.34	9	124.10	8	123.94
16	124.21	18	124.29	16	124.08	15	123.90
23	124.27	24	124.21	23	124.22	21	124.12
Mar. 1	124.12	31	124.08	30	124.19	29	124.36
8	124.21	June 7	124.14	Sept. 8	124.30	Dec. 6	124.04
15	124.49	14	124.12	13	124.03	13	124.34
22	124.26	21	123.97	20	124.10	27	124.39
29	124.19	28	124.21	27	124.17		

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: 1951-52.

Jan. 5	74.47	Mar. 15	74.63	May 24	74.73	Aug. 2	74.73
12	74.39	22	74.65	31	74.69	9	74.82
19	74.35	29	74.50	June 7	74.64	16	74.86
26	74.52	Apr. 5	74.53	14	74.69	23	74.90
Feb. 2	74.18	12	74.43	21	74.68	30	74.80
9	74.50	19	74.44	28	74.75	Sept. 8	74.90
16	74.48	26	74.56	July 5	74.68	13	74.77
23	74.49	May 3	73.59	12	74.81	20	74.93
Mar. 1	74.45	10	74.76	19	74.75	27	74.89
8	74.42	18	74.68	26	74.83	Oct. 4	74.97

13--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 11	74.99	Nov. 1	74.95	Nov. 21	75.11	Dec. 13	75.13
18	75.07	8	74.87	29	76.41	27	75.48
26	75.05	15	74.98	Dec. 6	74.93		

Woodward County

4. William and Grace Ertz. 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 5.68 below lsd, Oct. 13, 1952. Records available: 1945-52. May 17, 3.01; July 9, 4.67; Aug. 11, 5.46; Oct. 13, 5.68; Nov. 22, 5.47.

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 13.91 below lsd, Oct. 13, 1952. Records available: 1951-52. May 18, 11.80; July 9, 12.68; Aug. 8, 13.48; Oct. 13, 13.91; Nov. 22, 13.19.

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 6.05 below lsd, Oct. 13, 1952. Records available: 1951-52. May 18, 4.57; July 9, 5.70; Aug. 8, 5.97; Oct. 13, 6.05; Nov. 22, 5.76.

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: 1951-52. May 17, 5.12; July 9, 7.08; Aug. 8, 8.02; Oct. 13, 8.92; Nov. 22, 8.62.

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 $\frac{1}{2}$  inches, depth 11 feet. Highest water level 3.03 below lsd, May 17, 18, 1952; lowest 6.12 below lsd, Oct. 13, 1952. Records available: 1952. May 17, 3.03; May 18, 3.03; July 9, 4.84; Oct. 13, 6.12; Nov. 22, 5.67.

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 $\frac{1}{2}$  inches, depth 16 feet, cased to 15. Highest water level 5.70 below lsd, May 18, 1952; lowest 8.40 below lsd, Nov. 22, 1952. Records available: 1952. May 18, 5.70; July 9, 7.13; Oct. 13, 8.38; Nov. 22, 8.40.

## TEXAS

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By C. R. Follett, G. H. Shafer, and B. W. Swartz

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### Scope of Water-Level Program

The observation-well program in Texas, which began in 1929 in cooperation with the Texas State Board of Water Engineers, was continued in 1952. During 1952, measurements were made in 1,028 wells in 49 counties and recording gages were maintained on 13 wells. Figures 19 to 34 show the location of observation wells in Texas.

### Precipitation

The average yearly precipitation decreases from east to west. Most of the area east of the 97th meridian is humid or semihumid; the middle section is semihumid to semiarid; and the area west of the 101st meridian is semiarid to arid. The average yearly precipitation ranges from 56.13 inches at Bon Wier in Newton County in the eastern part to 9.17 inches in El Paso in the extreme western part of the State; the yearly rainfall at these stations ranges from 38.21 to 81.92 at Bon Wier and 2.22 to 21.81 at El Paso. In 1952 the average amount of precipitation was 22.94 inches or 4.76 inches below normal. Precipitation was below normal for the State as a whole although above-normal precipitation occurred in some months at some stations. The maximum precipitation during the year was 70.89 inches at Orange in the extreme southeastern part of the State; the minimum, 4.09 inches at Boquillas Ranger Station. The greatest deficiency occurred at Ricardo in south Texas, which had 15.36 inches less than normal. The greatest above-normal rainfall was 22.85 inches at Blanco in central Texas. A severe drought which has prevailed over most of the State since 1950 continued except in an area in central Texas where heavy rains occurred in September 1952. In August precipitation was below normal throughout the State, many stations reporting no rain whatever during the month. Most of the State continued hot and dry in September, but a notable exception was a tongue of excessive rain that extended from the coast northwestward up the Guadalupe and Colorado watersheds. Heavy rains occurred in the Cibolo Creek watershed and caused major flooding in Cibolo Creek and the lower portion of the San Antonio River. In October severe conditions prevailed throughout the State with an average precipitation of only 0.03 inch, which is the lowest on record for any month since records began in 1888. In November precipitation was below normal in the Rio Grande Valley. In December precipitation was above normal in central and northeastern Texas, but below normal elsewhere in the State.

### Interpretation of Water-Level Fluctuations

**Southern High Plains.** --Irrigation from wells in the Southern High Plains of Texas was started in 1911. Development of ground water for irrigation progressed slowly until 1937 when only 500 wells were in use. During 1937 the number of wells doubled, and during the succeeding 6 years new wells were added at rates ranging from 120 to 480 wells a year. From 1943 to 1952 the accelerated rate of drilling new wells was phenomenal. During this 10-year period over 15,000 irrigation wells were added, and the total number of wells in use by January 1, 1953 was about 17,700. This represents about 85 percent of the wells used for irrigation in Texas. There are about 6,800,000 acres in 20 counties in the irrigation area with 35 percent, or 2,150,000 acres, irrigated in 1952. The total water pumped from 1938 to 1952 was about 11,000,000 acre-feet. Pumpage was about 1,600,000 acre-feet in 1950, 2,000,000 acre-feet in 1951, and 3,750,000 acre-feet in 1952. Water-level measurements are made in about 500 observation wells in January, February, or March each year just before the pumping season begins and when the water level has made its maximum recovery from the previous year's pumping. Thus, the effect of pumping during the preceding year is reflected in the water levels. The average net decline of the irrigated portion of the 20-county portion of the Southern High Plains from January 1951 to January 1952 was 2.1 feet. (See figs. 35, 36, and 37.)

**Winter Garden District.** --The irrigation of vegetables has been in progress in the Winter Garden District of Dimmit and Zavala Counties for about 32 years. In more recent years citrus fruits, grain sorghum, cotton, and oats have been irrigated. Most of the vegetables are grown as a winter crop; the grain sorghum and cotton are grown during the summer; the oats are grown during the fall and winter primarily for grazing; and citrus fruits are irrigated mostly during the winter and spring. Most of the irrigation wells draw water from the Carrizo sand which crops

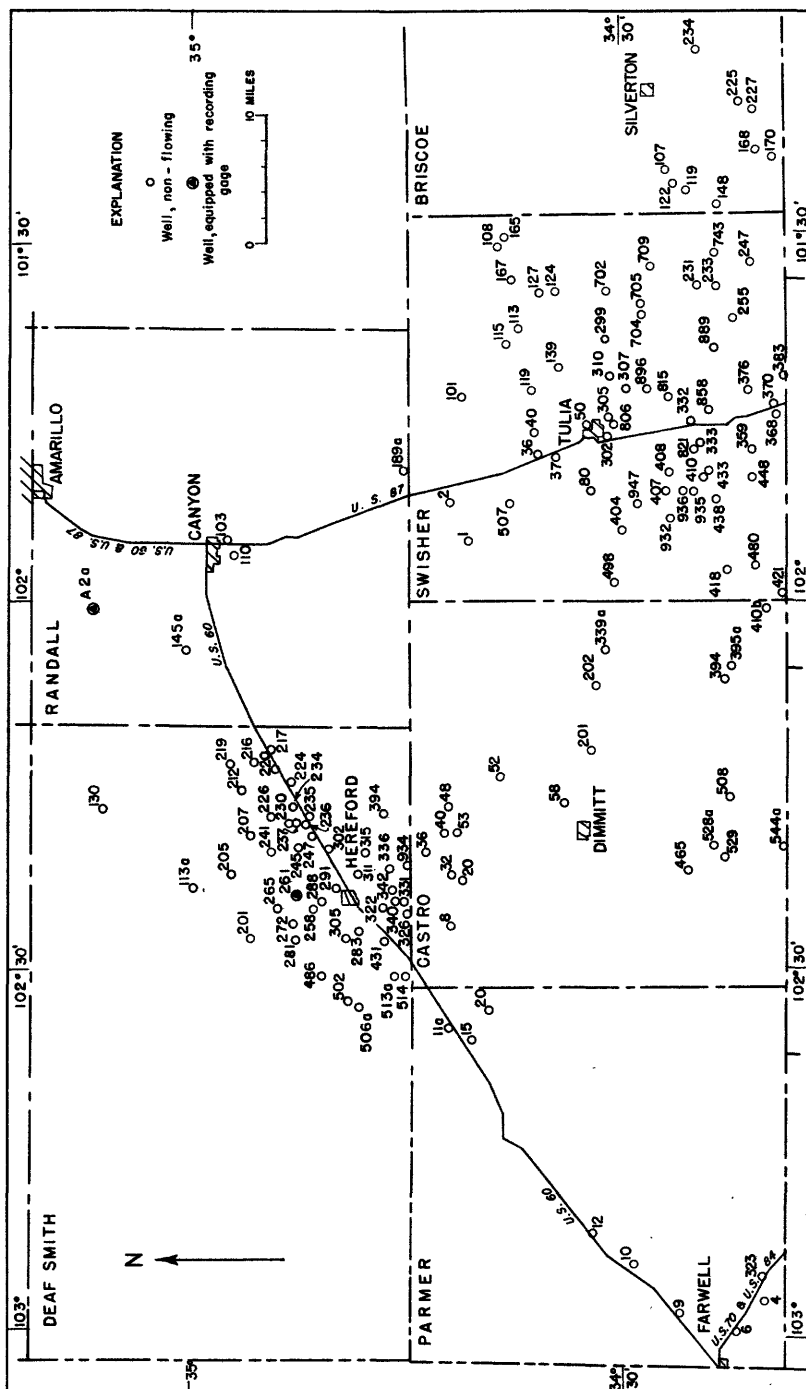


Figure 19. --Location of observation wells in Deaf Smith, Randall, Parmer, Castro, Swisher, and Briscoe Counties, Tex., 1952.

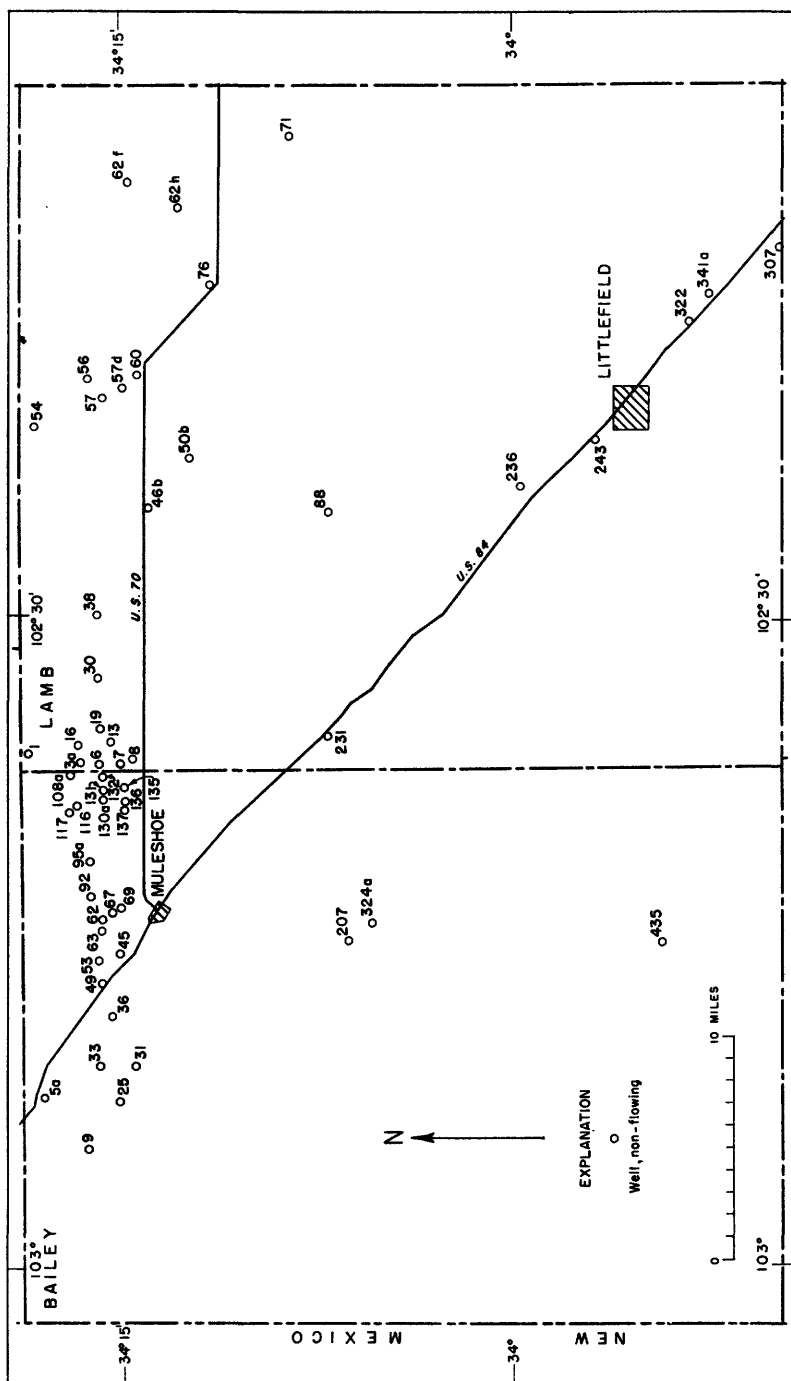
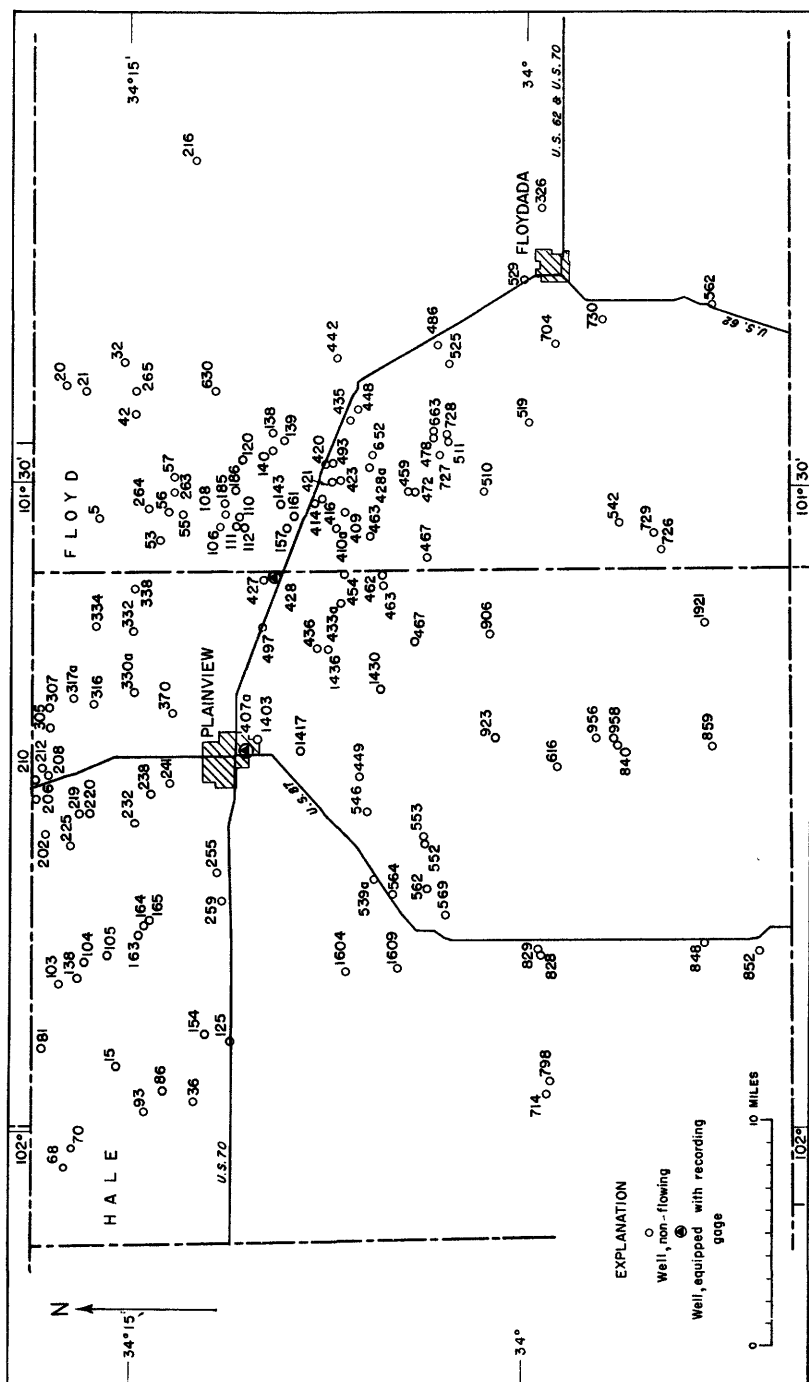


Figure 20. --Location of observation wells in Bailey and Lamb Counties, Tex., 1952.



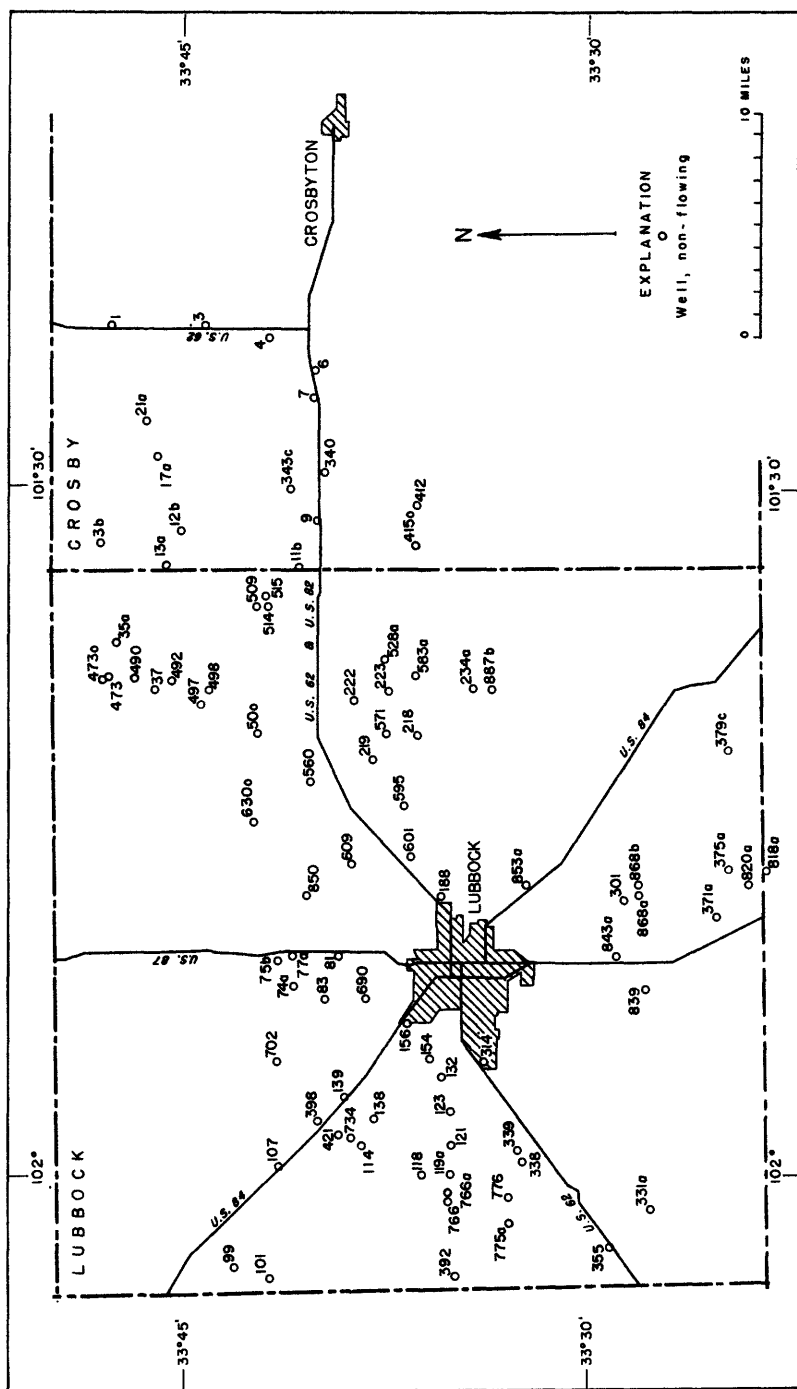


Figure 22. --Location of observation wells in Lubbock and Crosby Counties, Tex., 1952.



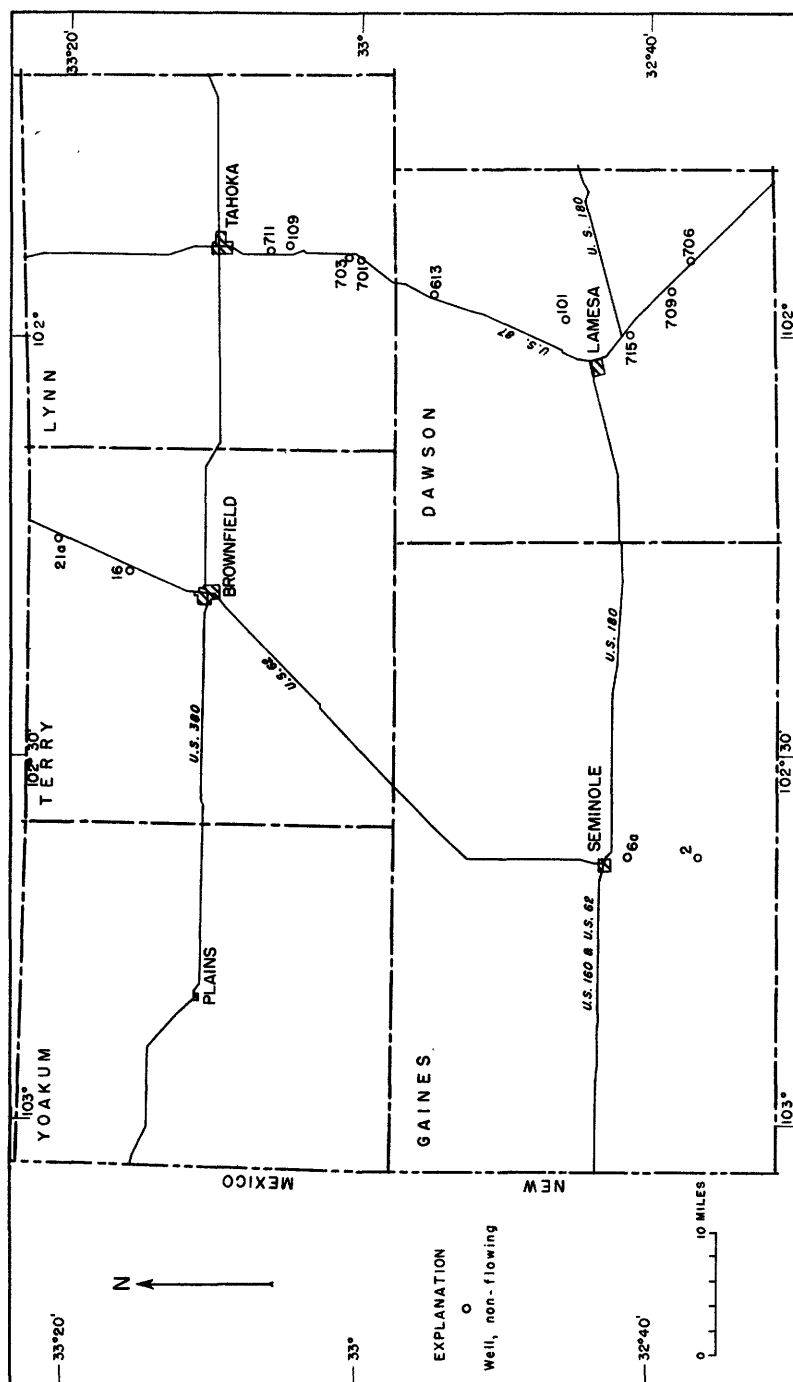


Figure 23. --Location of observation wells in Terry, Lynn, Gaines, and Dawson Counties, Tex., 1952.

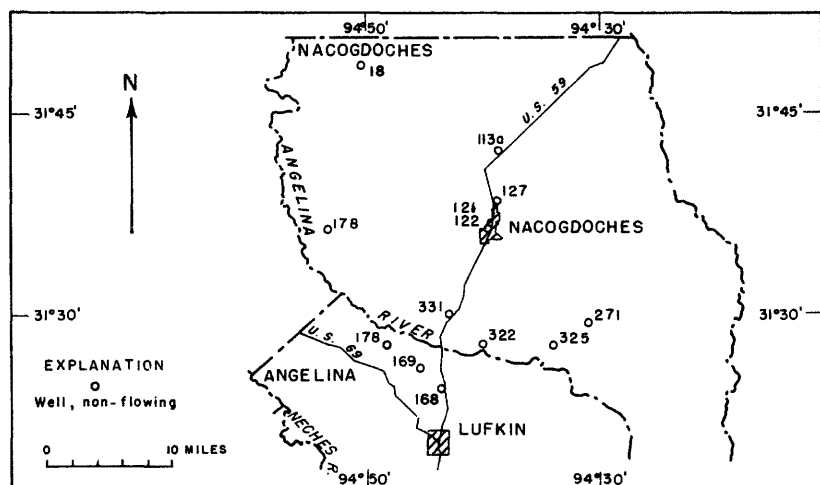
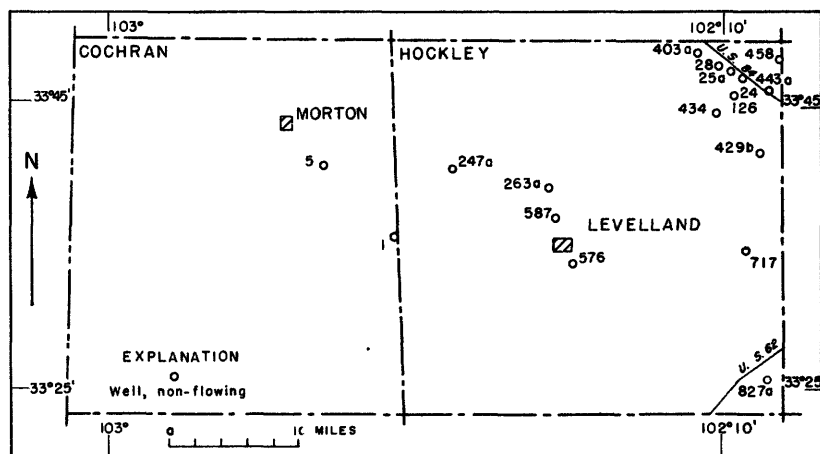
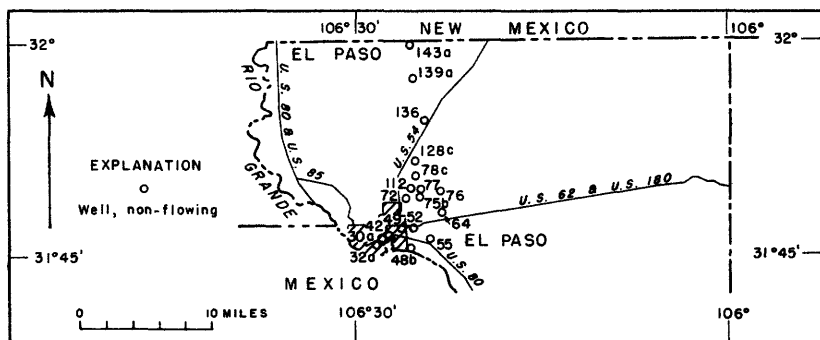


Figure 24. --Location of observation wells in El Paso, Cochran, Hockley, Nacogdoches, and Angelina Counties, Tex., 1952.

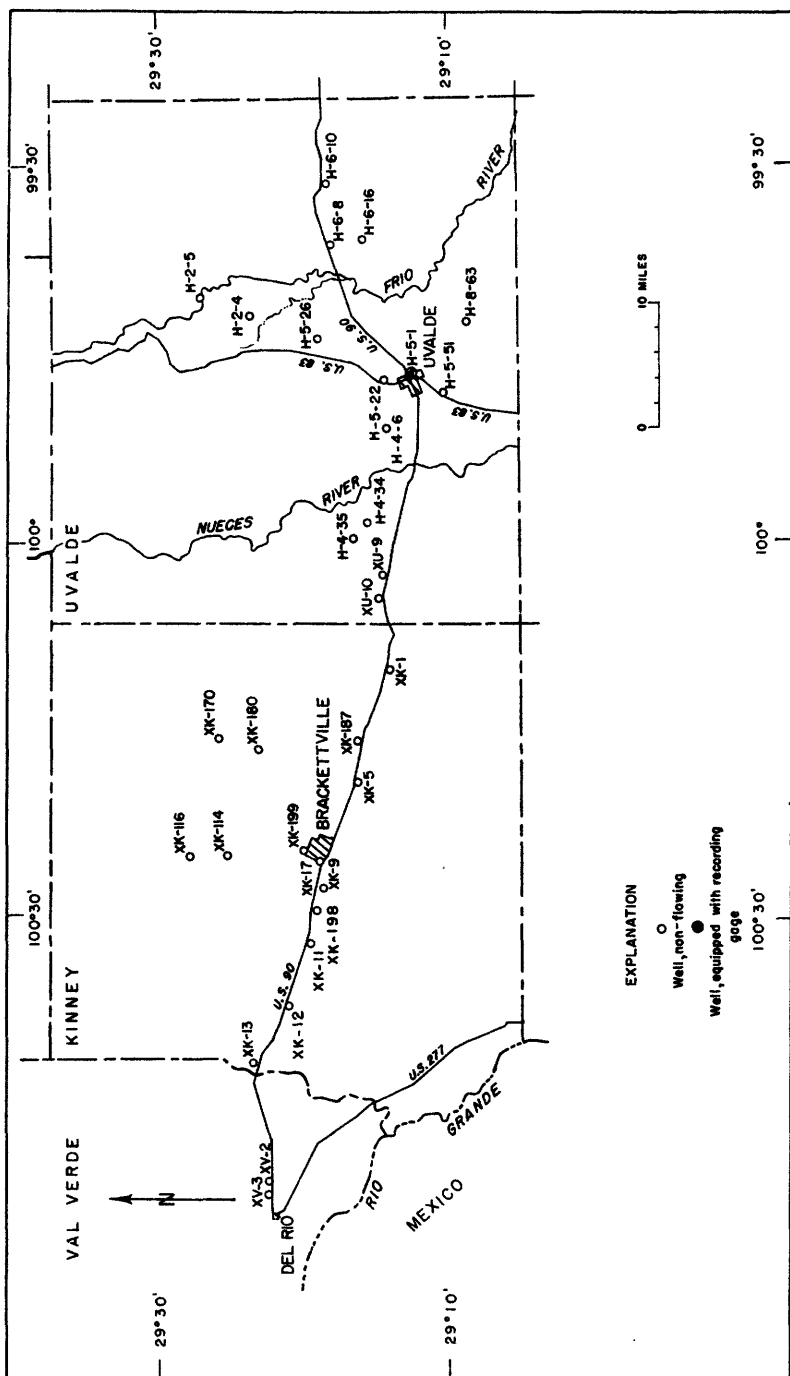


Figure 25.--Location of observation wells in Val Verde, Kinney, and Uvalde Counties, Tex., 1952.

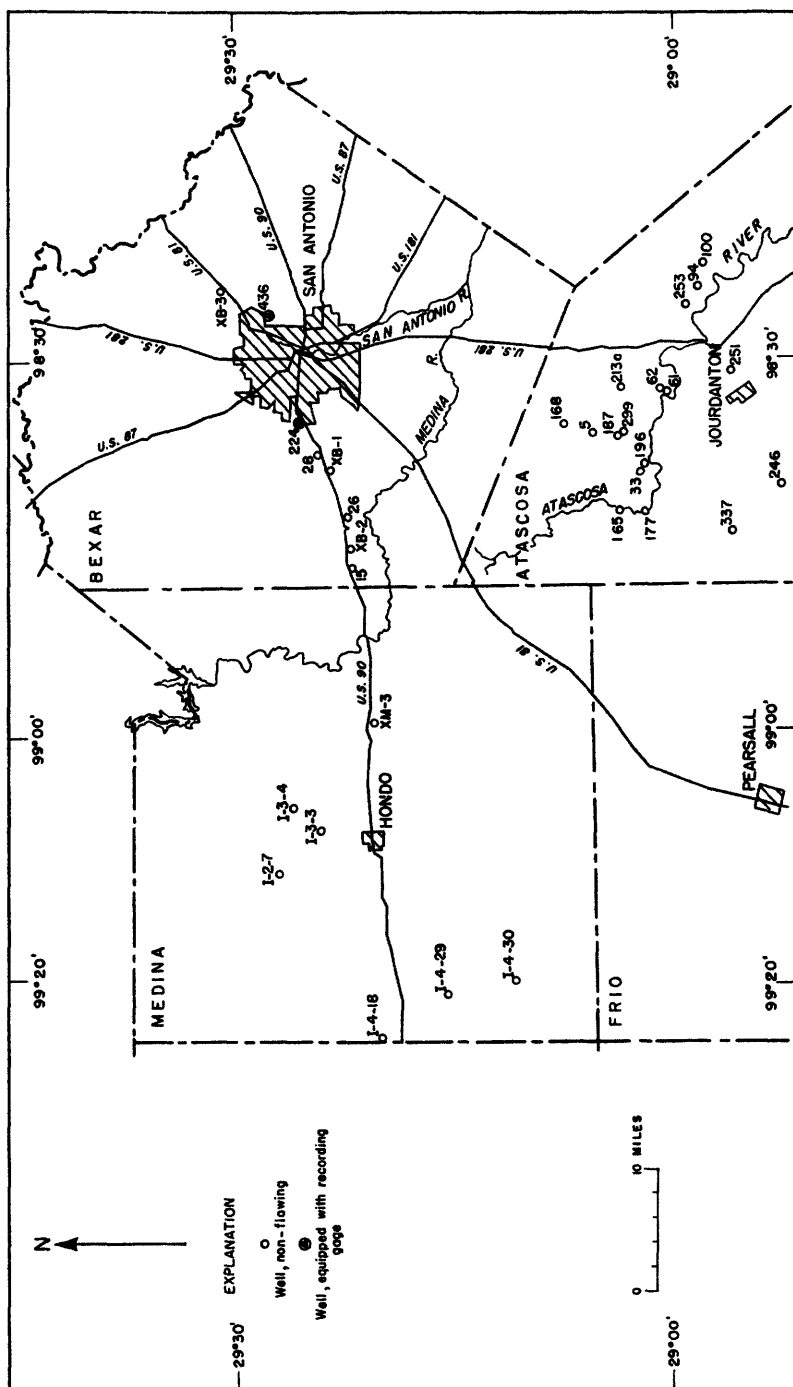


Figure 26. ---Location of observation wells in Medina, Bexar, and Atascosa Counties, Tex., 1952.

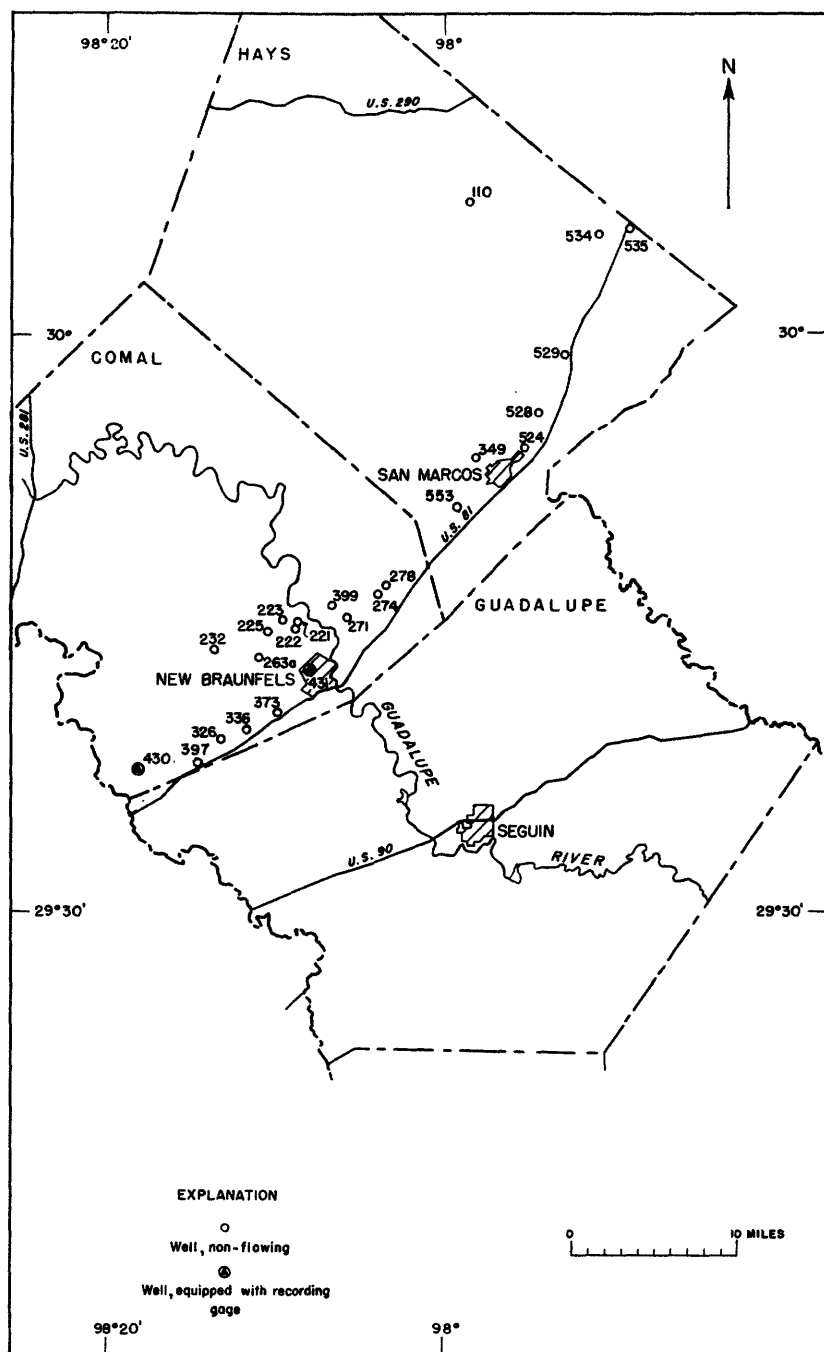


Figure 27. --Location of observation wells in Hays and Comal Counties, Tex., 1952.

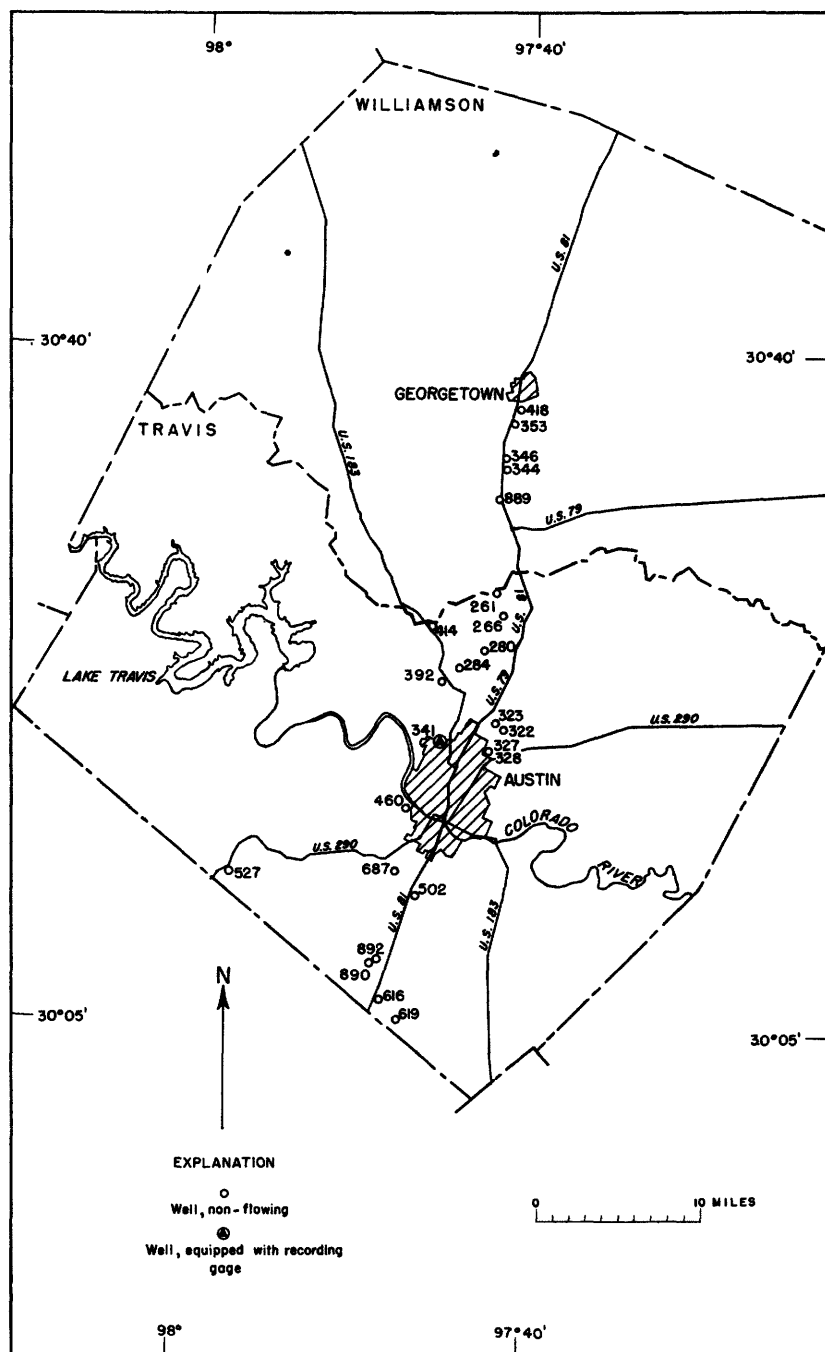


Figure 28. --Location of observation wells in Williamson and Travis Counties, Tex., 1952.

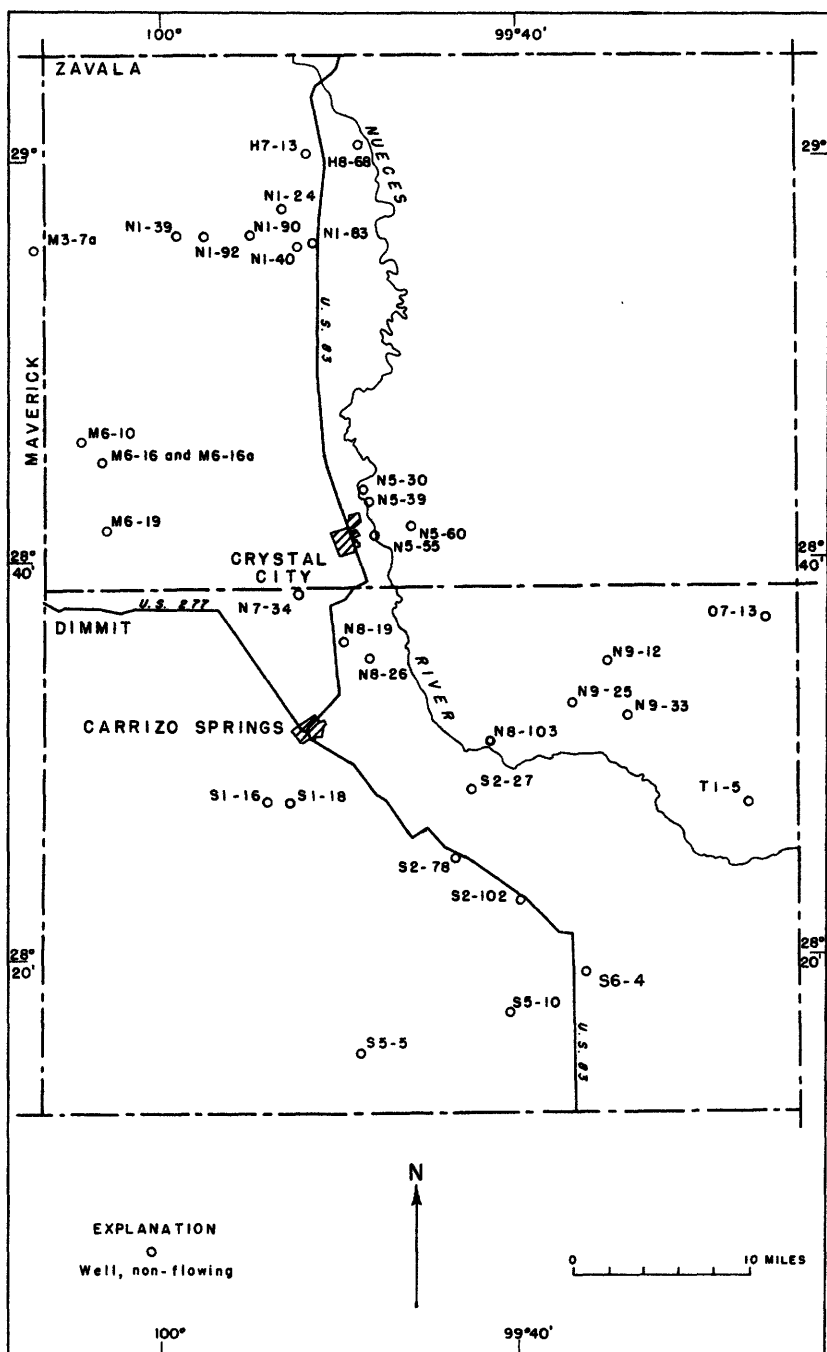
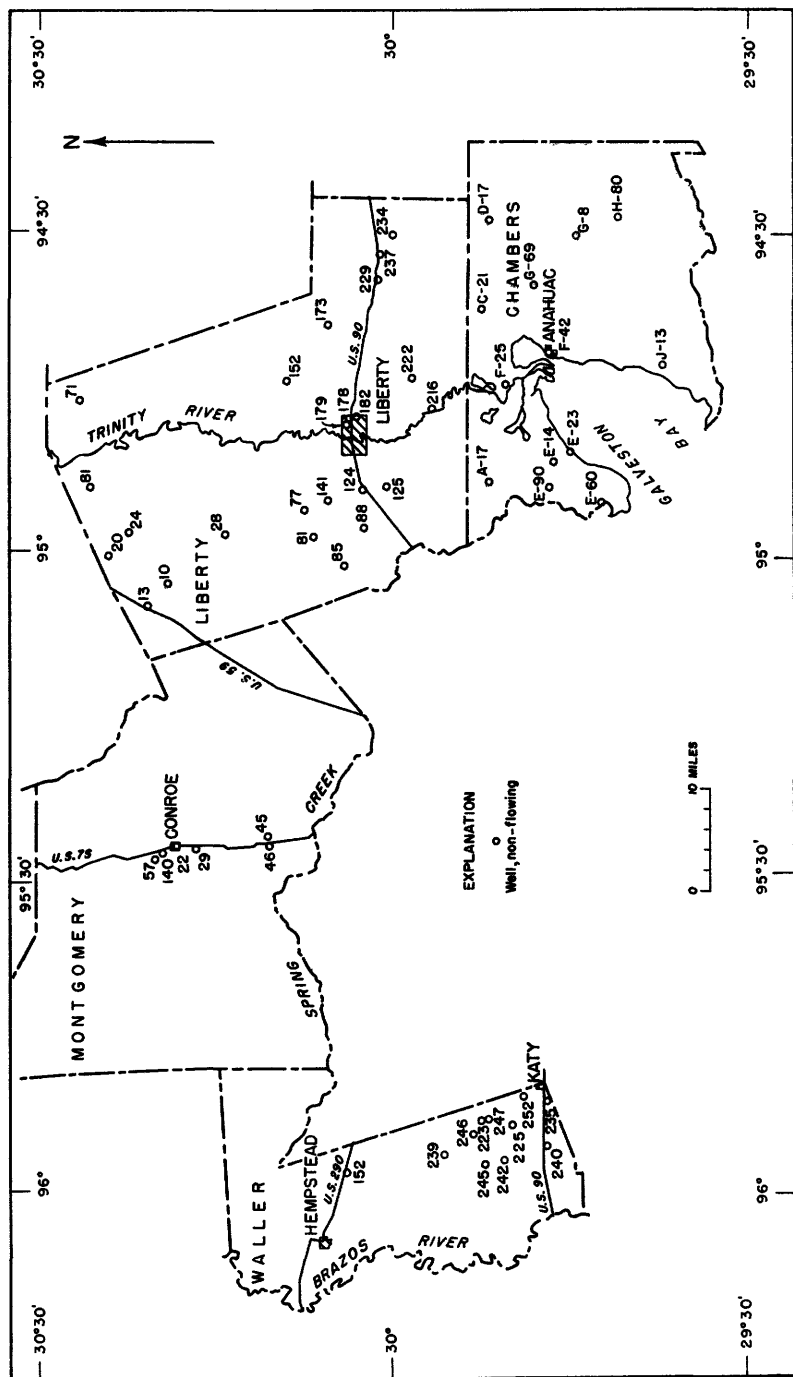


Figure 29. --Location of observation wells in Zavala and Dimmit Counties, Tex., 1952.



**Figure 30. --Location of observation wells in Waller, Montgomery, Liberty, and Chambers Counties, Tex., 1952.**



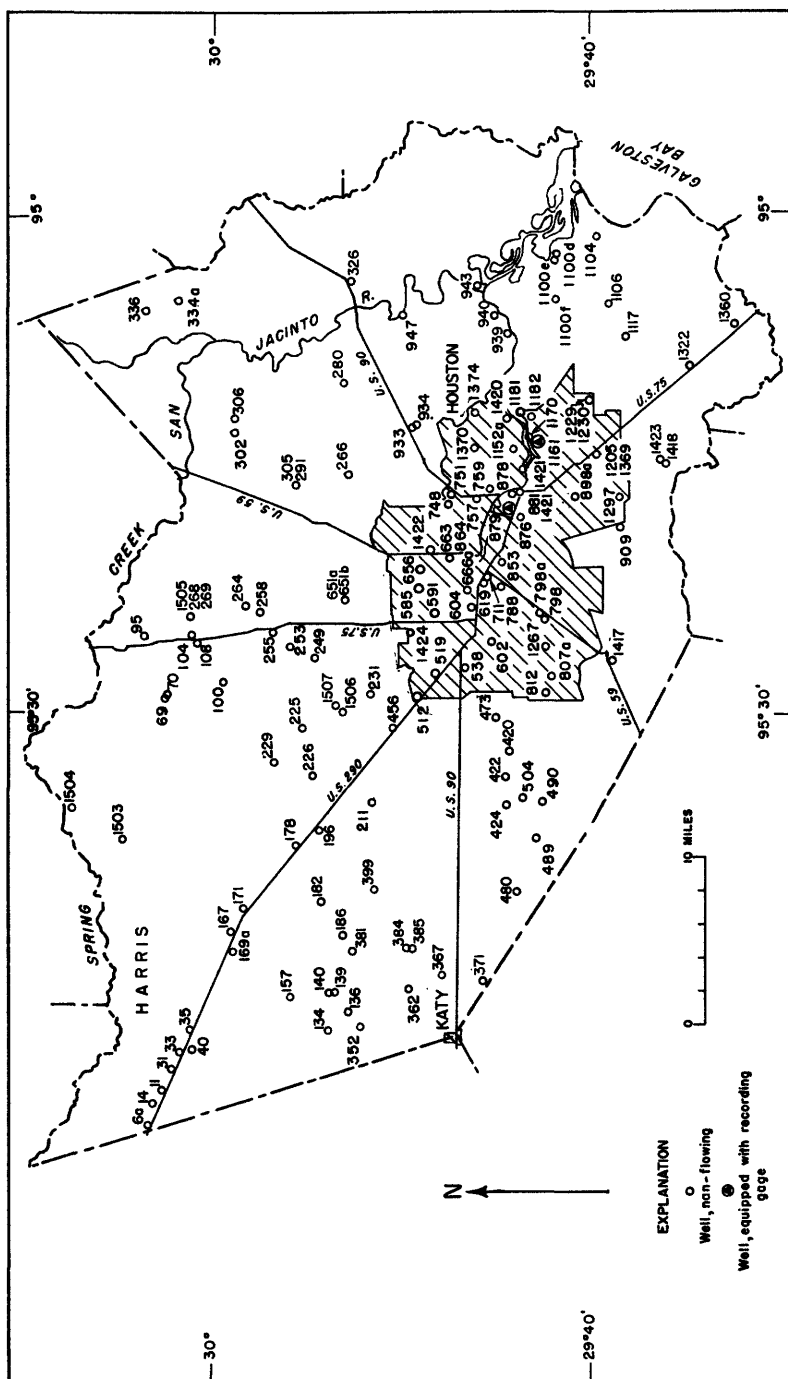


Figure 31. --Location of observation wells in Harris County, Tex., 1952.

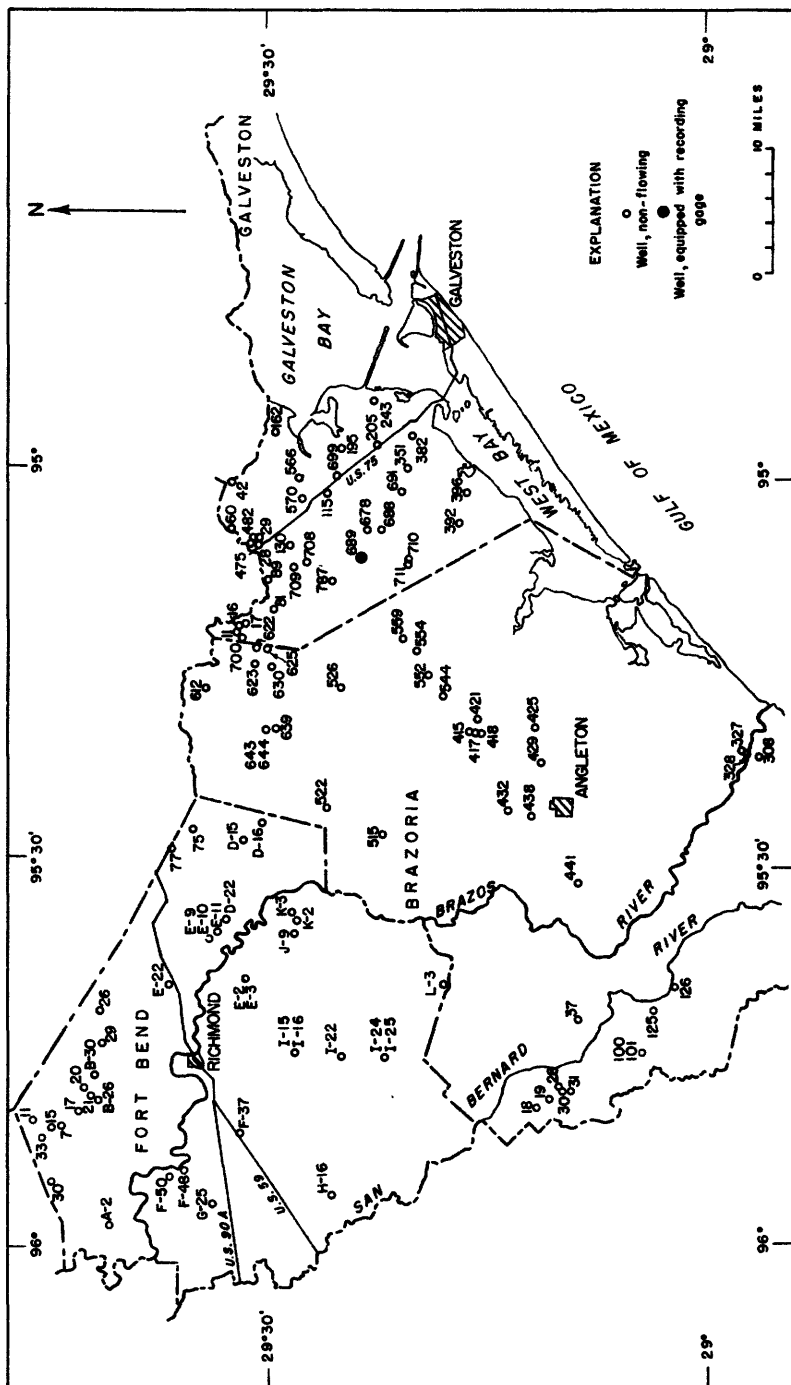


Figure 32. --Location of observation wells in Fort Bend, Brazoria, and Galveston Counties., Tex., 1952.

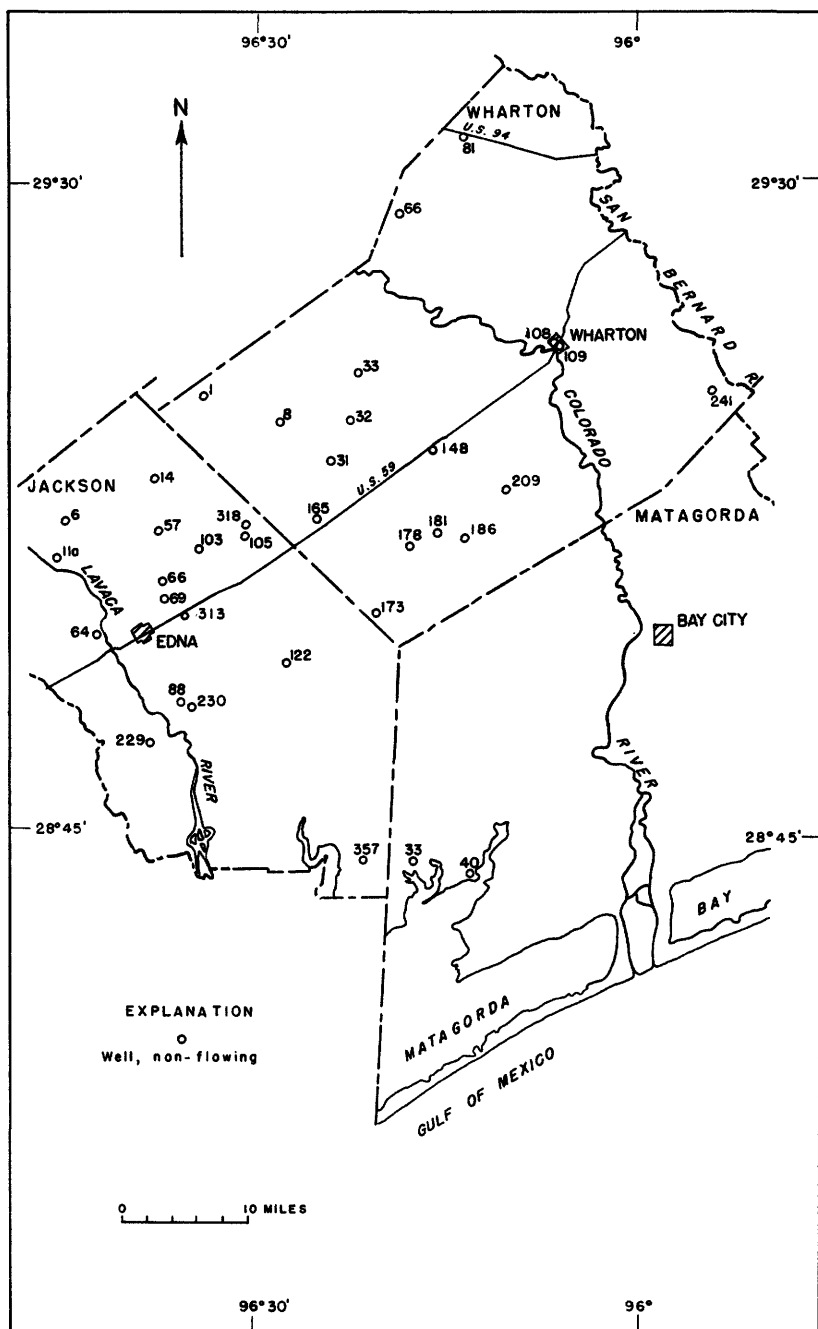


Figure 33. --Location of observation wells in Wharton, Jackson, and Matagorda Counties, Tex., 1952.

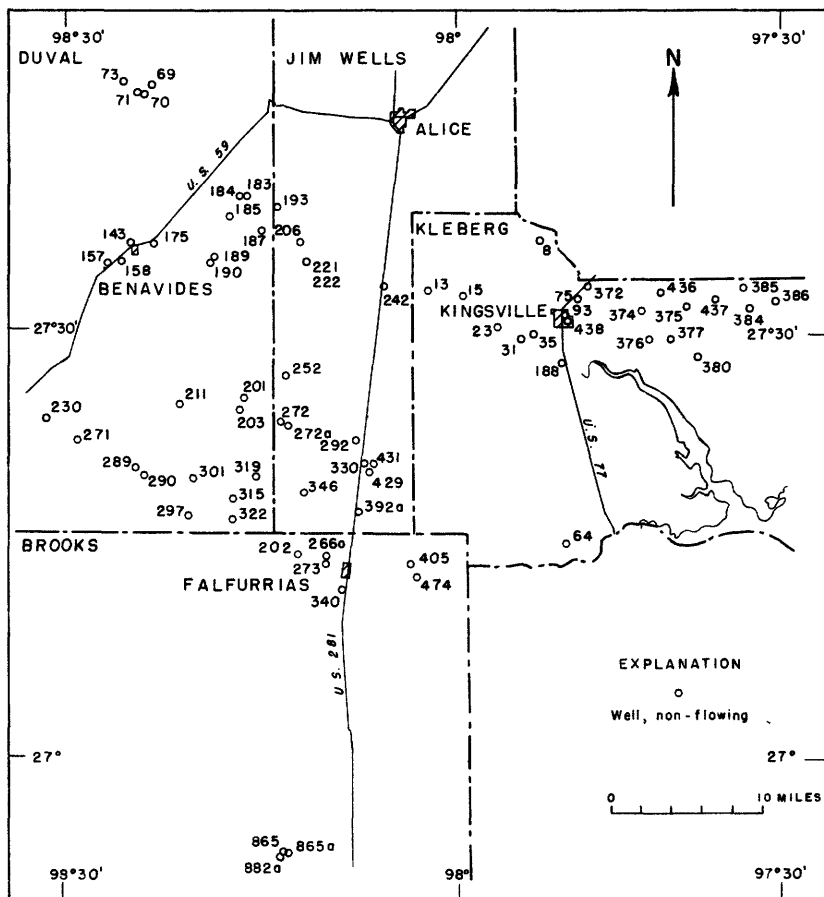
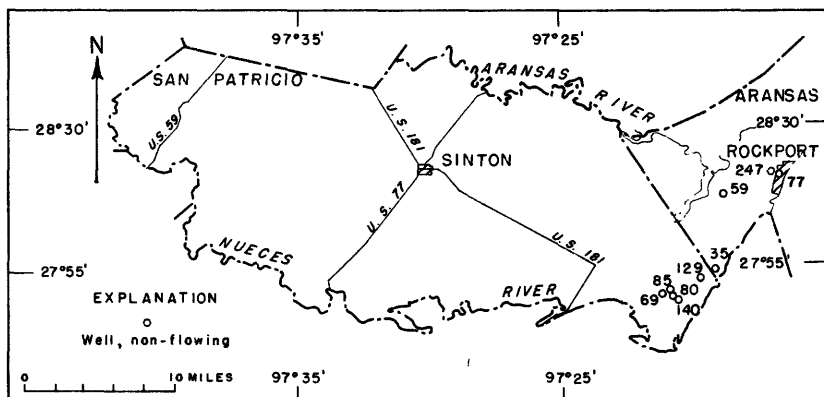


Figure 34. --Location of observation wells in San Patricio, Aransas, Duval, Jim Wells, Kleberg, and Brooks Counties, Tex., 1952.

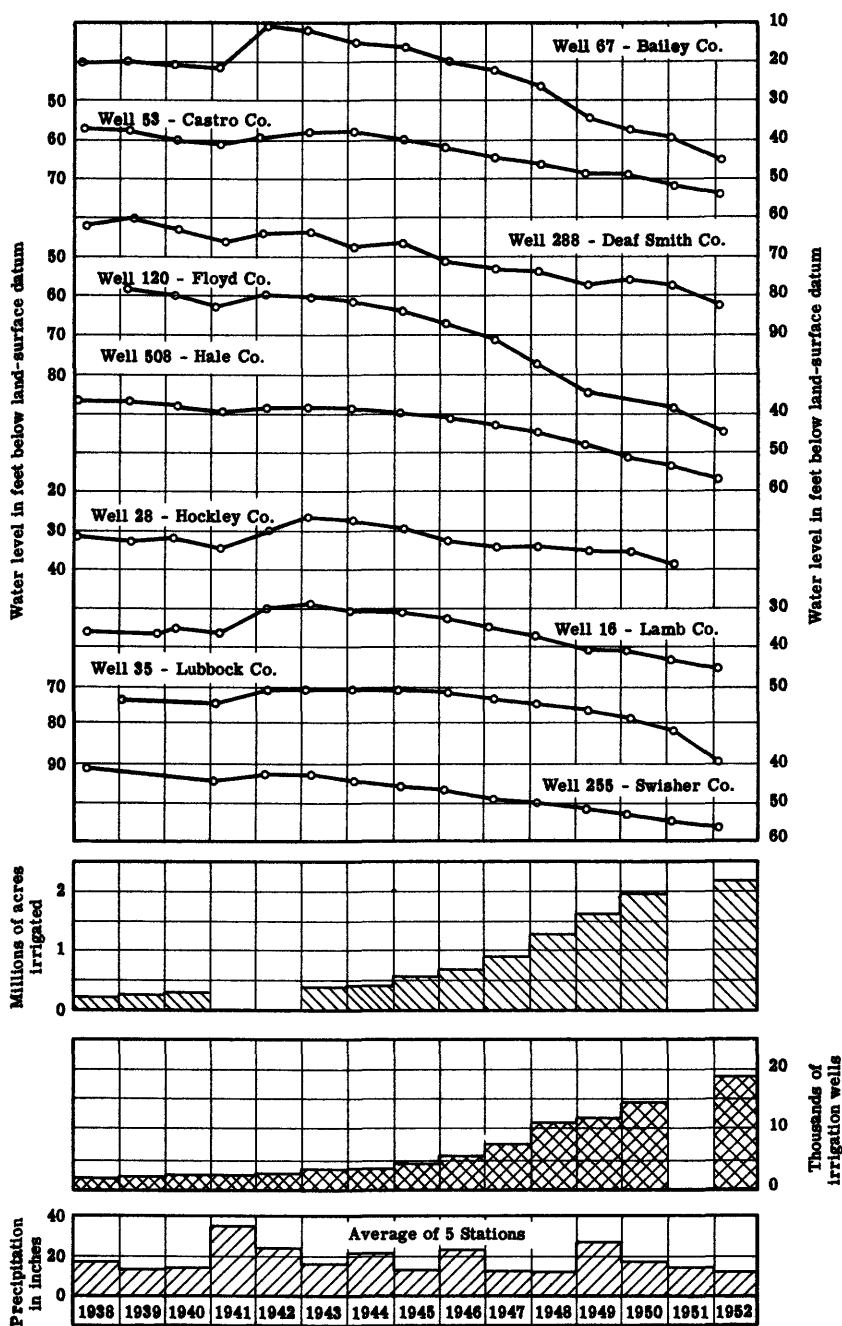


Figure 35. --Water levels in wells, acres irrigated, number of irrigation wells, and precipitation in the Southern High Plains of Texas, 1938-52.

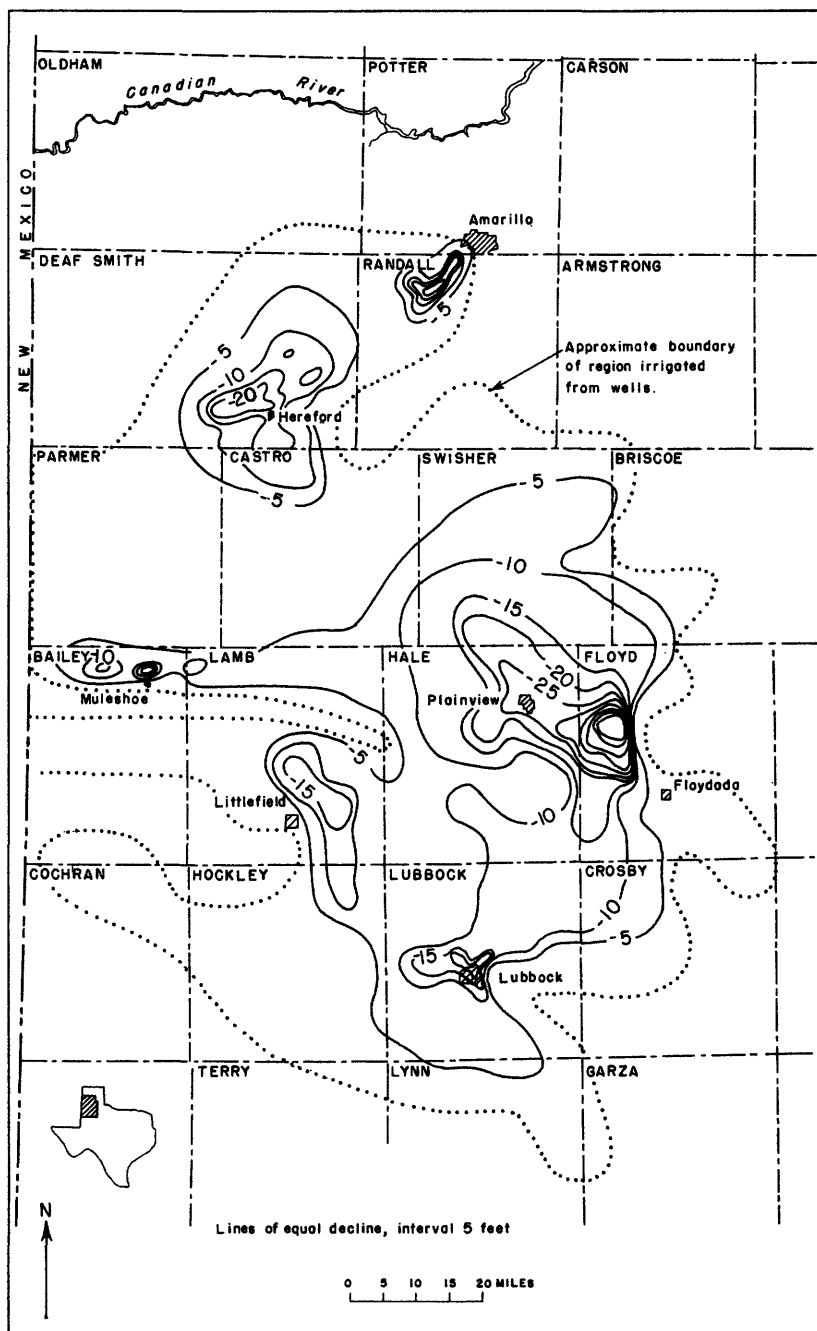


Figure 36. --Approximate decline of the water table in the Southern High Plains of Texas, March 1938 to February 1952.

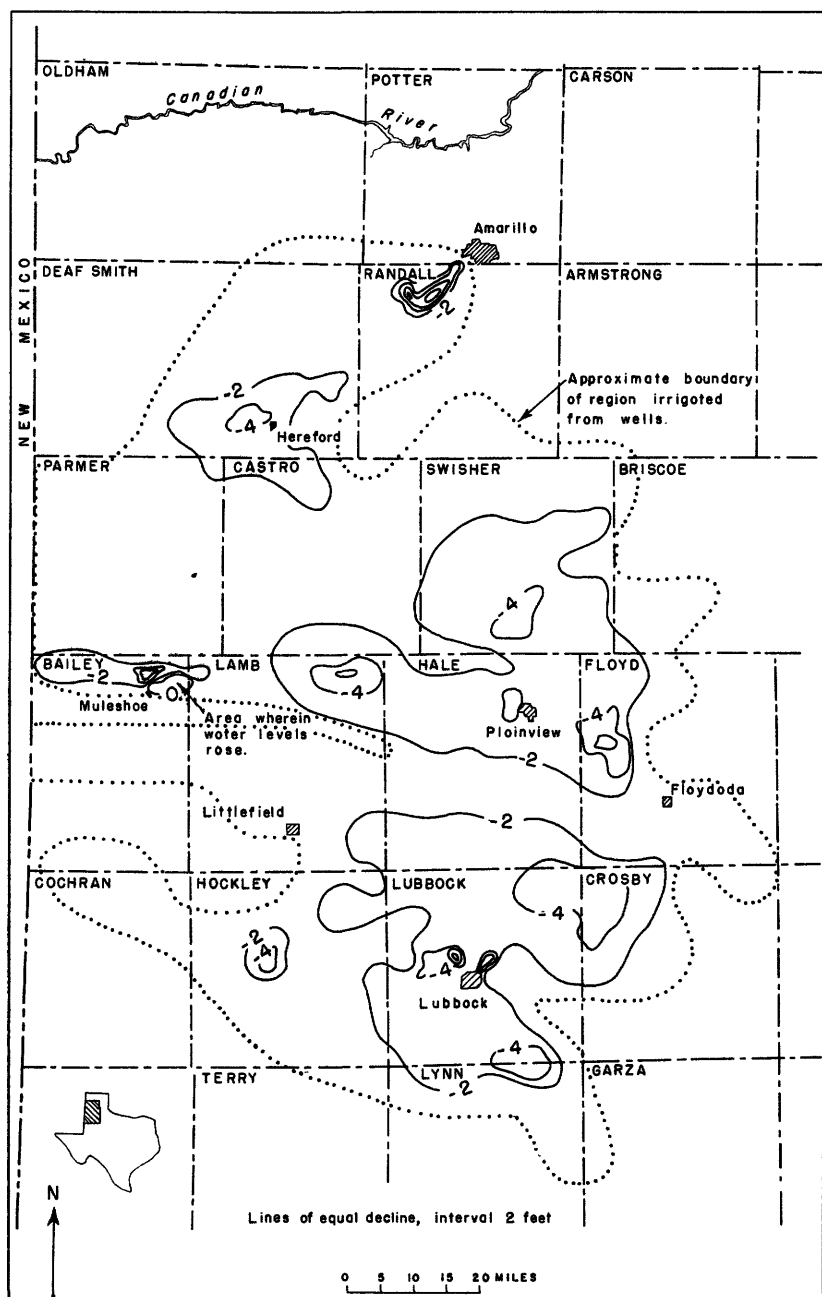


Figure 37. --Approximate decline of the water table in the Southern High Plains of Texas, February 1951 to February 1952.

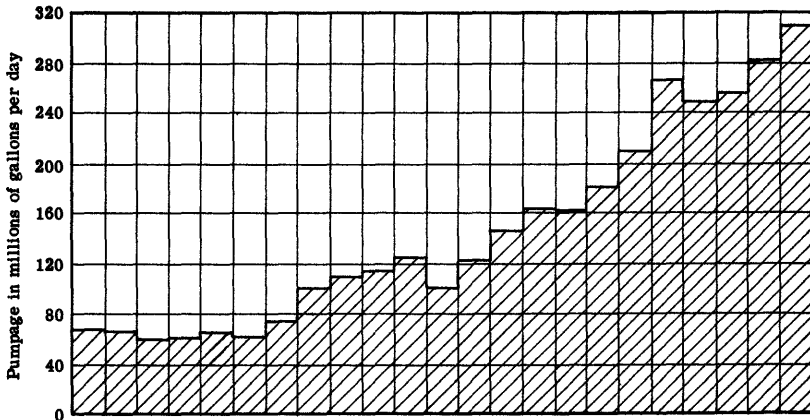


Figure 38. Average daily pumpage in the Houston, Texas, district, 1930-52.

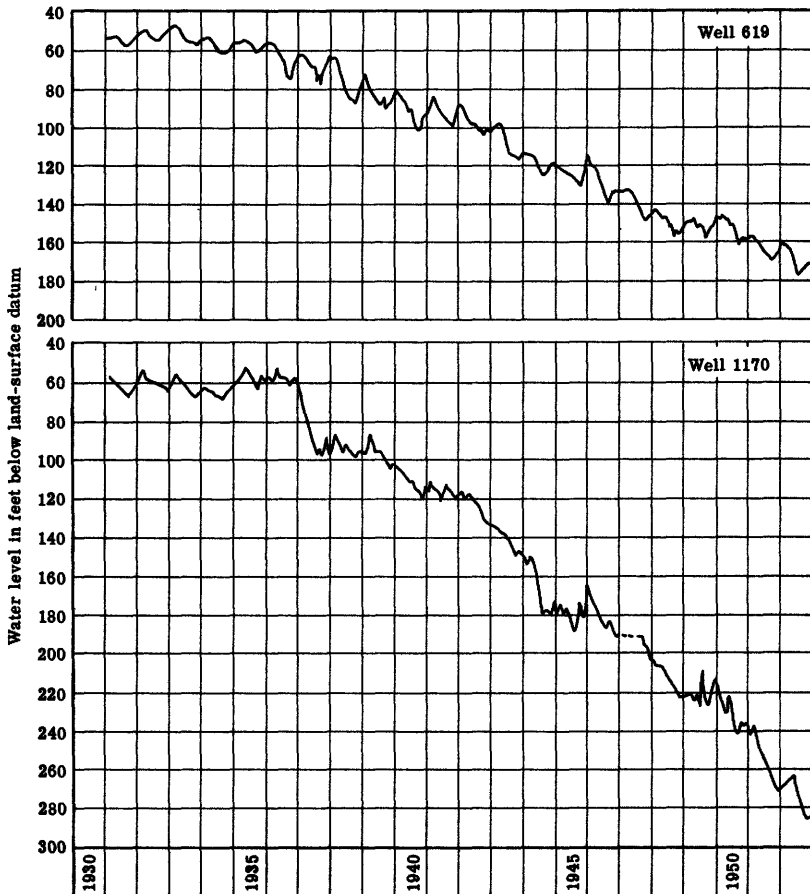


Figure 39. --Water levels in wells 619 and 1170 in the Houston, Tex., district, 1930-52.



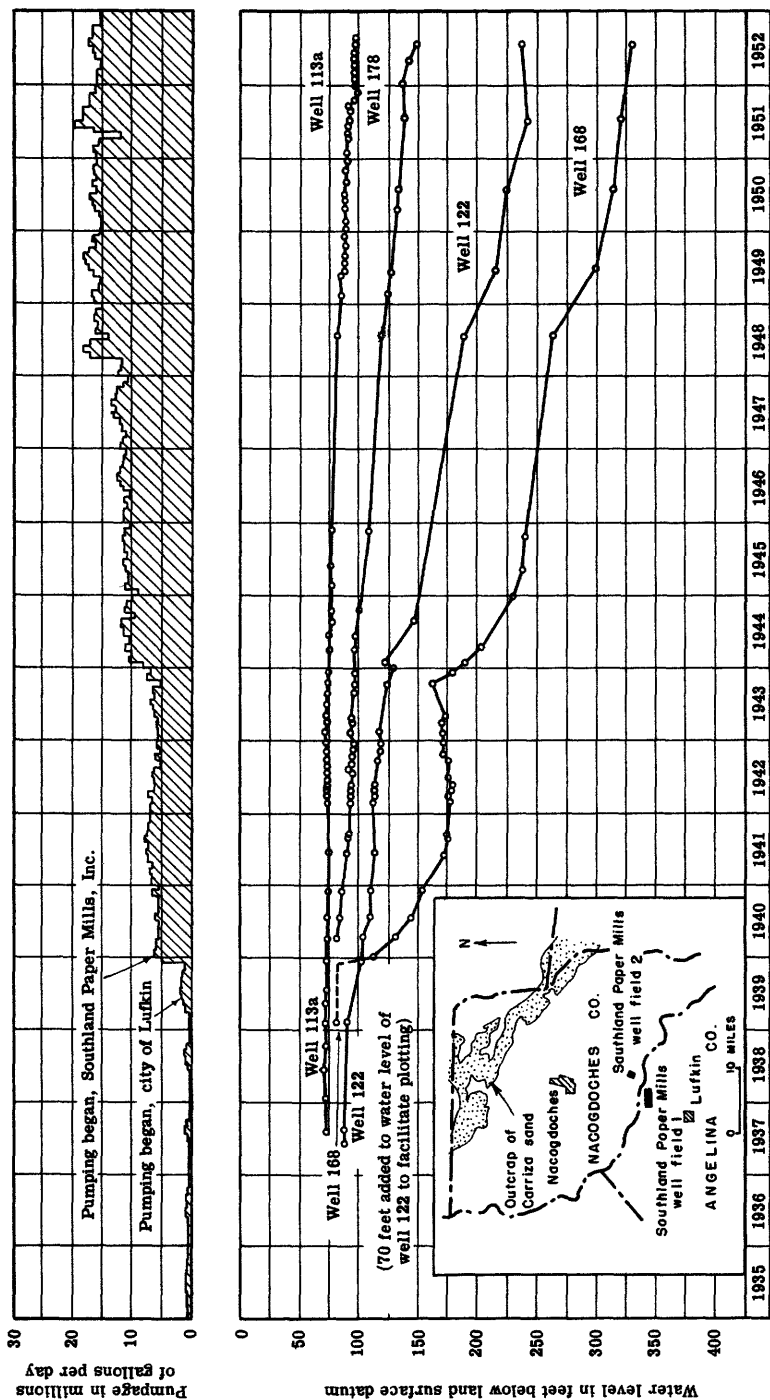


Figure 40. --Withdrawal of ground water and decline of artesian head in Angelina and Nacogdoches Counties, Tex., 1935-52.

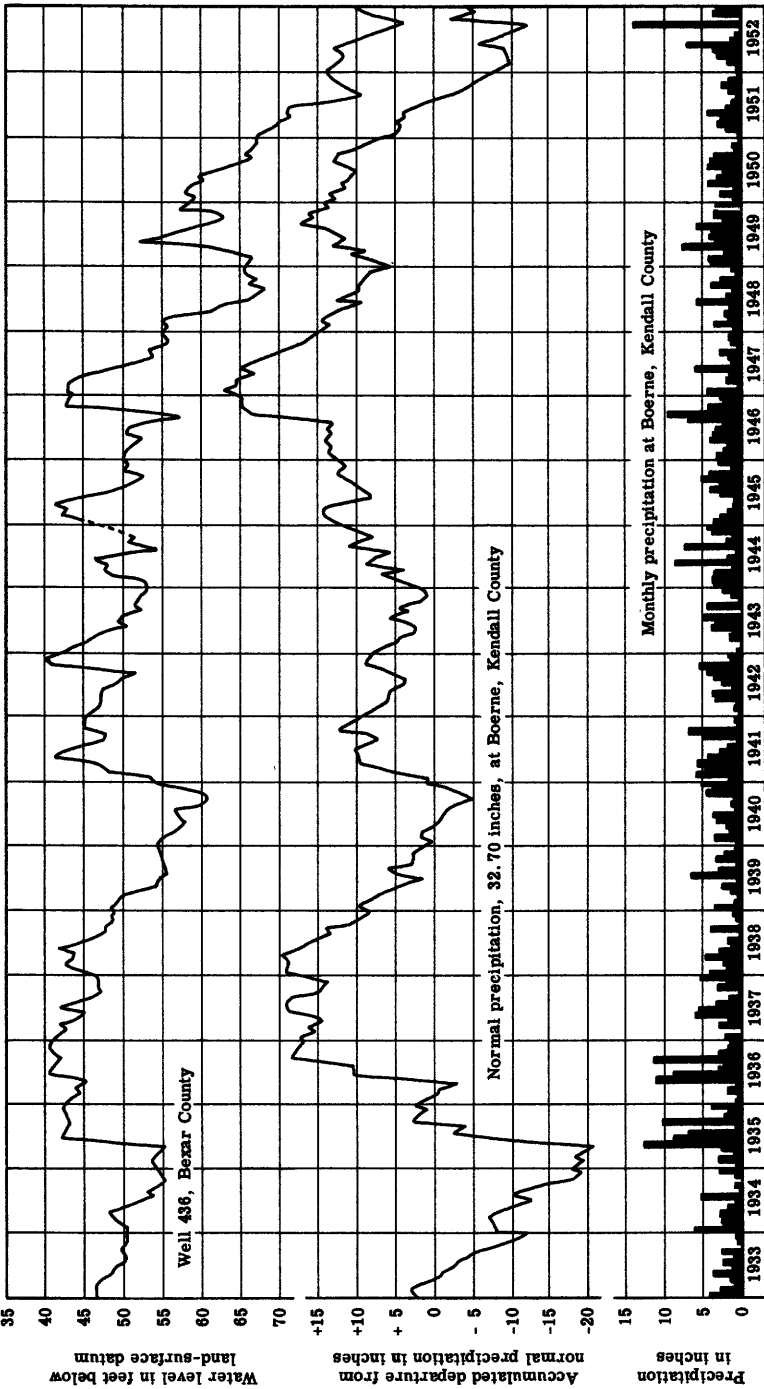


Figure 41. --Water level in well 436, Bexar County, accumulated departure from normal precipitation, and precipitation at Boerne, Kendall County, Tex., 1933-52.

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 Pendencia, Turkey, and Comanche Creeks. The table on page 140 shows the highest measurement recorded during the 3-month period. Some of the observation wells are in the heavily pumped areas; others are in the lightly pumped areas; the outcrop areas; or in areas remote from pumping.

**Houston-Galveston region.** --The Houston-Galveston region includes Galveston County, Harris County west of the San Jacinto River, and parts of Fort Bend, Waller, and Montgomery Counties. The region excluding Galveston County is known as the Houston district. Large quantities of ground water are pumped for industrial and municipal purposes in the Houston-Pasadena area and the Galveston area, and for irrigation of rice in the Katy area west of Houston. The wells of the Houston region draw water from sands that crop out from 10 to 50 miles west, northwest, and north of Houston. About 300 observation wells are measured at irregular intervals. The average daily withdrawal of ground water in the Houston district increased from 248 million gallons a day in 1949 to 308 million gallons a day in 1952. The increase was about equally divided between the Houston-Pasadena area and the Katy rice area. (See fig. 38.)

The following table gives the estimated average daily withdrawal of ground water in the Houston-Pasadena area and the Katy area:

Average daily pumpage in Houston-Pasadena and Katy areas  
(millions of gallons a day)

	1930	1935	1937	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
Houston Water Dept. (from city records)	26	25	25	29	27	31	35	40	43	51	56	61	60	64	72	74
Independent public and industrial supplies	24	24	45	50	50	54	59	68	69	72	79	85	90	92	95	106
Sub-total for Houston- Pasadena area	50	49	70	79	77	85	94	108	112	123	135	146	150	156	167	180
Katy rice area	18	14	30	45	23	38	52	55	50	60	75	120	98	98	117	128
Total for Houston district	68	63	100	124	100	123	146	163	162	183	210	266	248	254	284	308

The water levels in observation wells 490 and 1230 are indicative of the trend but not necessarily the magnitude of the water level in the Houston-Pasadena area. The 1952 water level in well 490 at Alief, which is somewhat distant from the heavily pumped area, averaged 8.4 feet lower than in 1951. The 1952 water level in well 1230, which is just south of the heavily pumped Pasadena area, averaged 11.1 feet lower than in 1951. The amount of decline in the water levels in the observation wells varies with their proximity to the heavily pumped areas and depends upon whether they were screened in the lightly pumped shallow zone, the heavily pumped middle zone, or the only recently utilized deep zone. See figure 39 for hydrographs of wells 619 and 1170.

Water used for rice irrigation in the Katy rice area represents about 35 percent of the total pumped in the Houston district. The average decline for 57 wells was 2.7 feet between March 1951 and 1952, and 23 feet between 1931 and 1952. The decline in water levels in the area has been relatively small compared with that in the Houston-Pasadena area.

**Galveston County.** --In the Galveston area, the rate of ground-water withdrawal was about the same in 1952 as it was in 1951. The water levels have reached an approximate equilibrium except for minor local changes.

**Angelina and Nacogdoches Counties.** --Water pumped from the Carrizo sands in Angelina and Nacogdoches Counties supplies most of the water used for public supplies by the cities of Lufkin and Nacogdoches and for industrial purposes at the Southland Paper Mills, Inc. at Lufkin. In the rural areas, domestic and stock water is obtained from shallow wells which do not reach the Carrizo sand. Figure 40 shows graphically the average daily pumpage of water from the Carrizo sand and the resulting fluctuations in artesian pressure caused by pumping.

**Balcones Fault Zone.** --Observation wells that draw water from the Glen Rose limestone, Edwards limestone, Austin chalk, and younger formations are along the Balcones Fault zone from Del Rio eastward through San Antonio and then northeastward to Georgetown. (See fig. 41.) The wells are in Val Verde, Kinney, Uvalde, Medina, Bexar, Comal, Hays, Travis, and Williamson Counties.

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 was used. Water level in feet below land-surface datum.]

Well	1930	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952
M6-10	70.4	73.6	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
M6-16	40.9	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
M6-16a	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61.4	71.7	71.7	74.0	74.2	91.2
M6-18	36.8	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
M6-19	49.6	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
N1-24	116.0	122.4	122.7	121.3	125.3	123.0	123.8	126.1	133.4	130.9	133.6	141.2	159.7	166.7	168.8	194.2	208.6	236.1
N1-39	75.0	.....	.....	.....	.....	103.6	104.1	107.9	115.6	114.1	.....	78.5	79.8	82.0	83.3	.....	86.1	88.5
N1-40	108.7	.....	105.4	101.4	113.0	103.6	104.1	107.9	115.6	114.1	.....	123.8	146.7	166.5	162.8	183.3	219.8	255.2
N1-83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	93.4	92.7	91.9	95.7	90.5
N1-90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	159.3	169.7	187.4	178.5	190.6	222.7	242.6
N1-92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83.1	95.1	91.3	100.5	117.6	125.4
N5-60	63.0	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
N7-34	45.2	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
N8-26	59.9	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	41.2	28.7	20.5	28.0	29.3	12.9	12.9	28.8	.....	.....	.....	39.8	49.7	71.9	60.5	85.7	.....	186.0
N9-25	17.2	.....	10.4	.....	.....	5.2	.....	.....	.....	30.6	29.9	25.0	.....	57.5	44.3	70.3	116.3	151.7
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
O7-3	95.2	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	.....
S1-18	101.6	104.2	103.1	104.5	104.7	104.9	105.3	105.6	107.4	108.2	109.5	109.9	111.7	113.9	113.8	115.2	116.9	119.5
S2-27	65.2	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
S2-78	172.9	159.6	151.5	157.2	158.7	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
S2-102	119.6	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	128.0
S5-5	71.8	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
S5-10	94.1	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
S6-4	23.8	17.9	7.8	11.0	9.8	7.1	7.0	10.7	21.3	21.6	20.4	20.6	19.9	21.8	21.3	25.7	34.7	37.6
T1-5	4.1	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	36.7	64.3	.....

Changes in water level in the Balcones Fault zone  
from December 1951 to December 1952

County	Number of wells	Average decline or rise (+)	Number of wells in which water level rose	Number of wells in which water level declined
<u>Wells drawing from Edwards limestone</u>				
Val Verde	2	2.83	1	1
Kinney	5	.76	1	4
Uvalde	9	9.43	0	9
Medina	7	10.1	0	7
Bexar	36	9.41	3	33
Comal	9	+3.45	8	1
Travis	13	+1.01	8	5
<u>Wells drawing from Glen Rose limestone, Austin chalk or younger formations</u>				
Kinney	4	3.71	1	3
Uvalde	5	3.75	1	4
Medina	1	7.45	0	1
Bexar	1	+14.6	1	0
Travis	5	+3.47	4	1

## Publications

The following ground-water bulletins were released by the Texas Board of Water Engineers during 1952:

- Bulletin 5201, The Houston District, Pumpage and decline of artesian pressure during 1950-51.
- Bulletin 5202, Summary of ground-water development in the Pecos area, Reeves and Ward Counties 1947-51.
- Bulletin 5203, Winter Garden District, Dimmit and Zavala Counties and Eastern Maverick County.
- Bulletin 5204, Ground-water resources in the vicinity of Kenmore farms, Kendall County, 1952.
- Bulletin 5206, Results of artificial recharge of the ground-water reservoir at El Paso, 1952.
- Bulletin 5207, Geology and ground-water resources of Lynn County.
- Bulletin 5208, Geology and ground-water resources of Waller County.
- Bulletin 5209, Ground-water resources of Starr County.

## Acknowledgments

Several Briscoe County water-level measurements were made by the Soil Conservation Service, Department of Agriculture; some measurements in Angelina and Nacogdoches Counties were made by the Southland Paper Mills, Inc. All measurements in Harris County well 1170 were made by the Houston Lighting and Power Company. Three recording gages in San Antonio are maintained by the City Water Board.

## Well-Numbering System

Three well-numbering systems have been used in Texas: (1) wells numbered consecutively beginning with 1 in upper left corner of the map and progressing back and forth across the map; (2) a grid system using a letter and a number to identify the grid followed by consecutive well numbers in each grid; (3) a grid system using a letter to identify the grid followed by consecutive well numbers in each grid. In some cases the well-numbering system was changed from system (1) to system (3) when a second report was released on 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°24', long. 94°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 326.55 below lsd, July 17, 1952. Records available: 1939-45, 1948-52. July 17, 326.55.

169. Gulf Pipe Line Co. Lat. 31°26', long. 94°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 148.83 below lsd, July 15, 1952. Records available: 1939-46, 1948-52. July 15, 148.83.

178. Southland Paper Mills, Inc. well CW16-0. Lat. 31°27', long. 94°48'. Drilled observation artesian well in Carrizo sand, diameter 2 inches, depth 1,077 feet, screen 850-860 and 931-941. Land-surface datum is 255 feet above msl. Highest water level 65.42 below lsd, Dec. 26, 1947; lowest 132.94 below lsd, July 15, 1952. Records available: 1947-52. Apr. 28, 130.50; July 15, 132.94.

#### Atascosa County

5. H. Koehler. Lat. 29°05', long. 98°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 64.50 below lsd, July 21, 1952. Records available: 1931, 1944-45, 1948-52. July 21, 64.50.

33. C. E. Simmons. Lat. 29°02', long. 98°39'. Drilled irrigation well in Carrizo sand, diameter 8 inches, depth 800 feet. Highest water level 18.0 below lsd, July 19, 1940; lowest 35.73 below lsd, July 21, 1952. Records available: 1940, 1944, 1949-52. July 21, 35.73.

61. R. B. Fischer. Lat. 29°00', long. 98°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 6.39 below lsd, July 21, 1952. Records available: 1925-26, 1944, 1948-52. July 21, 6.39.

62. R. B. Fischer. Lat. 29°00', long. 98°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 7.18 below lsd, July 21, 1952. Records available: 1937-41, 1944, 1948-52. July 21, 7.18.

94. E. H. Marek. Lat. 28°58', long. 98°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. No measurement made in 1952.

100. Joe A. Coughran. Lat. 28°57', long. 98°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 16.59 below lsd, May 18, 1944. Records available: 1944, 1948-52. July 23, 16.35.

165. H. E. Whittet. Lat. 29°03', long. 98°42'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 250 feet. Highest water level 25 below lsd, 1910; lowest 42.52 below lsd, July 21, 1952. Records available: 1910, 1929-30, 1944-46, 1948-52. July 21, 42.52.

168. Guy A. Bryan. Lat. 29°06', long. 98°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. July 21, 103.62; Sept. 25, 103.89.

177. W. R. Woods. Lat. 29°01', long. 98°42'. Drilled farm artesian well in Carrizo sand, diameter 6 inches, depth 640 feet. Highest water level 5 above lsd, 1930; lowest 5.1 below lsd, July 21, 1952. Records available: 1929-30, 1944, 1946, 1948-52. July 21, 5.1.

187. Dan Reed. Lat. 29°03', long. 98°36'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 666 feet. Highest water level 32 below lsd, 1930; lowest 50.89 below lsd, July 21, 1952. Records available: 1929-30, 1944-46, 1948-52. July 21, 50.89.

196. F. Holberg. Lat. 29°02', long. 98°38'. Drilled irrigation artesian well in Carrizo sand, diameter 6 inches, depth 600 feet. Highest water level 3 above lsd, 1930; lowest 27.33 below lsd, July 21, 1952. Records available: 1929-30, 1944-46, 1948-52. July 21, 27.33.

213a. E. T. Page. Lat. 29°03', long. 98°32'. Drilled irrigation artesian well in Carrizo sand, diameter 10 inches, depth 735 feet. Highest water level 74.59 below lsd, June 7, 1950; lowest 85.30 below lsd, Aug. 25, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	78.69	June 3	79.79	Sept. 26	82.36	Nov. 23	81.95
Apr. 25	78.53	Aug. 25	85.30	Oct. 24	84.42	Dec. 21	79.07

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 35.20 below lsd, July 10, 1951. Records available: 1929-30, 1944-46, 1948-51. No measurement made in 1952.

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. July 21, 49.60.

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. July 23, 9.28.

299. H. C. McCaughn. Lat.  $29^{\circ}03'$ , long.  $98^{\circ}36'$ . Drilled farm artesian well in Carrizo sand, diameter 8 inches, depth 1,000 feet. Highest water level 27.5 below lsd, 1930; lowest 44.19 below lsd, July 21, 1952. Records available: 1929-30, 1944, 1946, 1948-52. July 21, 44.19.

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 81.00 below lsd, July 21, 1952. Records available: 1908, 1929-30, 1944-46, 1948-52. July 21, 81.00.

#### 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 72.27 below lsd, Jan. 15, 1952. Records available: 1937-42, 1944-52. Jan. 15, 72.27.

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 52.57 below lsd, Jan. 15, 1952. Records available: 1936-52. Jan. 15, 52.57.

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 34.04 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 34.04.

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 25.73 below lsd, Jan. 14, 1952. Records available: 1938-40, 1942-43, 1946, 1948-52. Jan. 14, 25.73.

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 44.95 below lsd, Jan. 14, 1952. Records available: 1936-42, 1945-52. Jan. 14, 44.95.

36. C. J. Darby. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 23, blk. X. Lat.  $34^{\circ}15'$ , long.  $102^{\circ}48'$ . 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 30.43 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 30.43.

45. H. M. Schofner. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. Y. Lat.  $34^{\circ}15'$ , long.  $102^{\circ}45'$ . Drilled irrigation water-table well in sand, diameter 16 inches, depth 51 feet. Highest water level 11.34 below lsd, Nov. 12, 1941; lowest 28.72 below lsd, Jan. 14, 1952. Records available: 1937-52. Jan. 14, 28.72.

49. W. F. Harrison. NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 33, blk. X. Lat.  $34^{\circ}15'$ , long.  $102^{\circ}46'$ . Drilled irrigation water-table well in sand, diameter 12 inches, depth 72 feet. Highest water level 17.74 below lsd, Feb. 12, 1943; lowest 32.04 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 32.04.

53. W. B. Gwyn, Sr. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 22, blk. Y. Lat.  $34^{\circ}15'$ , long.  $102^{\circ}45'$ . 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 34.28 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 34.28.

62. Briscoe. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 42, blk. Y. Lat.  $34^{\circ}15'$ , long.  $102^{\circ}43'$ . 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 46.26 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 46.26.

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 41.05 below lsd, Jan. 14, 1952. Records available: 1934, 1936-45, 1947-52. Jan. 14, 41.05.
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 45.38 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 45.38.
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 30.83 below lsd, Jan. 20, 1951. Records available: 1936-45, 1947-52. Jan. 14, 30.60.
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 34.03 below lsd, Jan. 20, 1951. Records available: 1936-44, 1947-48, 1950-52. Jan. 15, 33.18.
- 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 32.95 below lsd, Jan. 14, 1952. Records available: 1948-52. Jan. 14, 32.95.
- 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 44.03 below lsd, Jan. 15, 1952. Records available: 1946-52. Jan. 15, 44.03.
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. Jan. 14, 34.27.
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 44.67 below lsd, Jan. 14, 1952. Records available: 1934, 1936-44, 1946-52. Jan. 14, 44.67.
- 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. Jan. 15, 27.98.
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 27.76 below lsd, Jan. 14, 1952. Records available: 1914, 1936-52. Jan. 14, 27.76.
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 30.57 below lsd, Jan. 14, 1952. Records available: 1913, 1936-45, 1947-52. Jan. 14, 30.57.
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 22.36 below lsd, Jan. 19, 1951. Records available: 1914, 1937-39, 1941-43, 1949-52. Jan. 14, 19.09.
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 22.90 below lsd, Jan. 20, 1951. Records available: 1914, 1934, 1936-52. Jan. 14, 20.23.
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, 1936-52. Jan. 14, 18.29.
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 83.55 below lsd, Jan. 20, 1951; lowest 100.88 below lsd, June 16, 1938. Records available: 1936-44, 1946-47, 1949-52. Jan. 15, 82.03.



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. No measurement made in 1952.

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. No measurement made in 1952.

#### 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 163.64 below lsd, Sept. 2, 1952. Records available: 1933-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	152.15	July 2	156.92	Sept. 22	154.14	Nov. 4	157.3
Apr. 4	152.73	Aug. 1	159.45	Oct. 1	155.3	Dec. 2	151.41
June 3	153.97	Sept. 2	163.64				

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 149.11 below lsd, Sept. 2, 1952. Records available: 1933-52.

Mar. 5	137.64	July 2	142.35	Sept. 2	149.11	Nov. 4	142.30
Apr. 8	138.75	Aug. 1	145.03	Oct. 1	140.28	Dec. 2	138.05
June 3	139.63						

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 106.24 below lsd, Sept. 2, 1952. Records available: 1933-52.

Mar. 5	94.30	July 2	99.00	Sept. 2	106.24	Nov. 4	99.14
Apr. 4	94.72	Aug. 1	101.94	Oct. 1	96.82	Dec. 2	92.26
June 3	96.43						

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 88.42 below lsd, Aug. 28, 1952. Records available: 1944, 1948-52.

#### Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.14	77.15	76.81	76.87	77.07	77.93	81.05	84.14	87.68	79.22	80.83	74.42
2	76.06	77.31	76.33	77.23	76.97	77.84	81.32	84.31	87.98	79.45	80.66	74.36
3	76.07	76.95	76.12	77.21	76.95	78.33	81.81	84.09	88.03	79.71	80.60	74.45
4	75.86	76.96	76.85	77.30	77.10	78.96	82.17	84.12	87.93	79.83	80.96	74.59
5	75.88	77.33	76.87	77.58	77.13	79.20	81.81	84.74	88.00	79.73	80.72	74.92
6	75.94	77.82	76.76	77.76	78.26	78.92	81.90	85.16	87.86	79.58	80.63	74.83
7	75.64	77.90	77.08	77.62	78.31	78.63	82.18	85.48	87.58	79.77	80.83	74.75
8	75.85	77.92	77.13	77.95	78.68	78.41	82.75	85.76	87.52	79.51	80.65	74.67
9	76.00	78.02	77.11	78.19	79.03	78.36	83.08	85.89	87.22	79.75	80.37	74.72
10	76.61	78.07	76.57	77.70	79.31	79.16	83.33	85.97	85.79	80.10	79.83	74.96
11	76.62	77.85	76.83	77.24	79.07	78.97	83.43	85.83	82.58	79.93	79.76	74.91
12	76.45	78.08	76.77	76.75	78.83	78.55	83.54	86.37	81.78	79.85	79.57	74.92
13	76.45	78.21	77.14	76.80	79.55	78.75	83.33	86.95	80.54	79.68	79.52	74.96
14	76.14	78.46	77.30	76.55	80.03	79.24	83.47	87.20	79.89	80.15	79.47	74.96
15	76.51	78.49	77.54	76.78	80.36	79.44	83.96	87.42	79.43	80.13	79.55	74.85
16	76.45	77.89	77.45	77.06	80.77	79.41	84.38	87.14	79.30	80.12	79.43	74.94
17	76.57	77.64	77.21	77.31	80.91	80.32	84.55	86.78	79.14	80.15	79.14	74.90
18	76.70	77.48	77.20	77.33	79.55	80.97	82.72	88.82	79.05	80.24	79.31	74.96
19	76.71	77.76	77.88	77.32	79.16	81.43	82.09	87.38	78.59	80.16	79.10	74.93
20	76.80	78.02	77.22	76.63	79.24	81.71	81.41	87.78	78.35	79.90	78.98	74.63
21	76.70	78.20	78.59	76.08	79.45	81.97	81.15	87.78	78.09	80.28	78.86	74.05
22	76.74	77.79	79.03	76.07	79.79	81.82	81.50	87.78	78.08	80.30	78.74	73.73
23	77.00	77.19	78.67	76.00	82.31	81.58	81.71	87.72	78.13	80.32	78.43	73.80
24	77.09	76.69	78.25	76.00	80.11	82.02	.....	.....	78.17	80.54	78.06	73.86
25	77.05	76.58	78.46	76.05	79.28	82.46	82.48	.....	78.33	80.77	78.01	73.83

## 224--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	77.05	76.81	78.84	75.93	78.90	82.80	82.78	87.02	.....	80.63	78.32	73.48
27	77.03	76.70	78.49	76.01	79.56	83.28	82.80	88.12	.....	80.35	78.17	73.52
28	76.64	76.55	77.98	76.04	78.94	82.36	82.78	88.42	.....	80.77	77.82	73.38
29	76.72	76.52	77.29	76.35	78.44	81.34	83.33	88.37	78.89	80.72	76.17	73.22
30	76.82		77.00	76.56	78.06	81.08	83.94	88.06	79.00	80.65	75.13	72.05
31	76.99		76.76		77.81		84.31	87.84		80.75		71.32

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 89.12 below lsd, Aug. 28, 1952. Records available: 1932-52.

## Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.67	77.64	77.19	77.32	77.70	78.57	81.50	84.68	88.10	80.05	81.24	75.03
2	76.66	77.72	76.75	77.69	77.44	78.51	81.99	84.80	88.41	80.36	81.13	74.92
3	76.62	77.45	76.52	77.73	77.46	79.00	82.44	84.63	88.57	80.55	81.07	75.10
4	76.38	77.39	77.20	77.77	77.63	79.60	82.78	84.67	88.38	80.66	81.34	75.24
5	76.45	77.73	77.26	78.01	77.65	79.84	82.37	85.34	88.43	80.55	81.14	75.55
6	76.45	78.30	77.20	78.18	78.37	79.56	82.50	85.89	88.28	80.33	81.05	75.52
7	76.18	78.34	77.53	78.07	78.92	79.29	82.90	86.17	88.10	80.38	81.26	75.42
8	76.39	78.37	77.59	78.50	79.31	78.99	83.47	86.41	88.05	80.19	81.04	75.32
9	76.69	78.55	77.60	78.85	79.65	79.81	83.77	86.56	87.69	80.36	81.76	75.30
10	77.27	78.62	77.01	78.12	79.92	79.71	83.95	86.54	85.83	80.59	80.19	75.49
11	77.30	78.28	77.26	77.62	79.60	79.71	84.22	86.48	83.01	80.59	80.06	75.42
12	77.05	78.68	77.22	77.11	79.36	79.24	84.32	87.32	82.04	80.44	79.92	75.44
13	77.06	78.75	77.64	77.13	80.24	79.47	84.03	87.82	81.18	80.30	79.92	75.47
14	76.72	78.94	77.83	76.90	80.73	79.90	84.28	88.07	80.51	80.67	79.88	75.42
15	77.05	79.01	78.03	77.19	81.10	80.09	84.83	88.14	80.10	80.79	79.86	75.29
16	77.05	78.13	77.91	77.47	81.40	80.17	85.29	87.79	80.06	80.63	79.81	75.43
17	77.20	77.96	77.63	77.79	81.53	81.03	85.47	87.31	79.94	80.65	79.50	75.41
18	77.30	77.77	77.65	77.78	80.08	81.73	83.50	87.41	79.89	80.84	79.69	75.47
19	77.32	78.10	78.18	77.78	79.57	82.24	82.72	88.17	79.40	80.71	79.49	75.44
20	77.33	78.45	78.88	77.10	79.60	82.54	81.95	88.48	79.10	80.44	79.36	75.23
21	77.25	78.68	79.21	76.52	79.85	82.70	81.77	88.40	78.82	80.90	79.22	74.62
22	77.30	78.10	79.59	76.62	80.36	82.47	82.17	88.26	78.74	80.83	79.11	74.32
23	77.60	77.55	79.12	76.45	81.07	82.23	82.37	88.21	78.92	80.93	78.93	74.48
24	77.69	77.15	78.69	76.50	81.17	82.76	82.71	87.96	78.96	81.14	78.38	74.43
25	77.63	76.99	78.92	76.53	79.77	83.26	83.15	88.00	79.10	81.22	78.36	74.28
26	77.60	77.30	79.31	76.42	79.40	83.69	83.47	88.42	79.33	81.16	78.63	74.00
27	77.73	77.12	78.92	76.56	80.06	83.79	83.40	88.90	79.45	80.83	78.02	74.06
28	77.11	76.93	78.35	76.57	79.53	82.91	83.42	89.12	79.50	81.35	78.14	73.88
29	77.24	76.91	77.59	76.92	78.98	81.90	84.08	88.96	79.57	81.16	76.75	73.76
30	77.36		77.34	77.14	78.61	81.71	84.65	88.61	79.85	81.10	75.67	72.88
31	77.53		77.21		78.39		85.02	88.29		81.21		72.07

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 158.36 below lsd, Sept. 2, 1952. Records available: 1937-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	147.64	July 2	152.25	Sept. 2	158.36	Nov. 4	151.32
Apr. 4	148.31	Aug. 1	154.98	Oct. 1	149.02	Dec. 2	144.55
June 3	149.83						

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 115.32 below lsd, Sept. 2, 1952. Records available: 1934, 1937-45, 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5	104.28	July 2	108.80	Sept. 22	115.32	Nov. 4	108.88
Apr. 4	104.60	Aug. 1	111.30		105.72	Dec. 2	102.99
June 3	106.03						

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 86.91 below lsd, Aug. 1, 1952. Records available: 1933-35, 1938-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29	79.42	June 3	81.73	Aug. 1	86.91	Nov. 7	83.71
Apr. 4	80.23	30	83.40	Oct. 1	82.3	Dec. 2	77.41

#### 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 19.15 below lsd, Aug. 13, 1952. Records available: 1946, 1949-52. Jan. 9, 17.80; Aug. 13, 19.15.

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 17.95 below lsd, Aug. 13, 1952. Records available: 1946, 1949-52. Jan. 9, 17.09; Aug. 13, 17.95.

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 15.18 below lsd, Aug. 21, 1951. Records available: 1946, 1949-52. Jan. 9, 14.19.

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 18.38 below lsd, Aug. 13, 1952. Records available: 1946, 1949-52. Jan. 9, 17.13; Aug. 13, 18.38.

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 14.90 below lsd, Aug. 13, 1952. Records available: 1946, 1949-52. Jan. 9, 14.45; Aug. 13, 14.90.

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, 1949-52. Jan. 9, 20.17; Aug. 13, 21.26.

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, 1946-52. Jan. 9, 49.93; Aug. 12, 48.86.

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, 1946-52. Jan. 9, 52.44; Aug. 12, 55.74.

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 8.24 below lsd, Aug. 12, 1952. Records available: 1946, 1949-52. Jan. 10, 7.15; Aug. 12, 8.24.

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 16.12 below lsd, Jan. 10, 1952. Records available: 1946, 1949-52. Jan. 10, 16.12; Aug. 12, 15.54.

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, 1949-52. Jan. 8, 132.75; Aug. 11, 136.27.

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, 1949-52. Aug. 12, 122.80.

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. Aug. 11, 131.98.

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, 1948-52. Jan. 11, 8.98; Aug. 14, 5.49.

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, 1948-52. Jan. 15, 7.83; Aug. 23, 5.18.

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, 1948-52. Jan. 11, 28.79.

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, 1949-52. Jan. 11, 9.49; Aug. 14, 9.73.

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 40.46 below lsd, Jan. 11, 1952. Records available: 1946, 1948-52. Jan. 11, 40.46.

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, 1948-52. Jan. 11, 10.18; Aug. 14, 9.67.

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 18.39 below lsd, Aug. 13, 1952. Records available: 1946, 1948-52. Aug. 13, 18.39.

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 26.88 below lsd, Aug. 13, 1952. Records available: 1946, 1948-52. Jan. 10, 24.02; Aug. 13, 26.88.

441. Owner unknown. Lat. 29°08', long. 95°31'. Drilled unused artesian well in sand, diameter 4 inches, depth 600 feet. Highest water level 13.19 below lsd, Oct. 16, 1946; lowest 16.78 below lsd, Jan. 10, 1952. Records available: 1946, 1948-52. Jan. 10, 16.78. Measurement discontinued.

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 37.06 below lsd, Sept. 3, 1952. Records available: 1939, 1946, 1948-52. Jan. 14, 35.12; Sept. 3, 37.06.

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, 1948-52. Jan. 14, 32.38.

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 50.97 below lsd, Aug. 14, 1952. Records available: 1946, 1949-52. Jan. 11, 48.43; Aug. 14, 50.97.

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. Jan. 11, 25.49.

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 8.27 below lsd, Jan. 11, 1952. Records available: 1946, 1949-52. Jan. 11, 8.27; Aug. 14, 7.80.

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 60.72 below lsd, Aug. 14, 1952. Records available: 1946, 1949-52. Jan. 11, 56.57; Aug. 14, 60.72.

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 59.70 below lsd, Jan. 11, 1952. Records available: 1946, 1948-52. Jan. 11, 59.70.

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 123.51 below lsd, Dec. 30, 1952. Records available: 1947-52. Feb. 5, 115.89; June 17, 117.14; Sept. 17, 120.02; Dec. 30, 123.51.

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 119.62 below lsd, Aug. 24, 1951. Records available: 1946, 1949-52. Jan. 14, 115.31.

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 123.00 below lsd, Aug. 24, 1951. Records available: 1946, 1948-52. Jan. 14, 118.53.

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 67.19 below lsd, June 21, 1946; lowest 79.76 below lsd, Jan. 14, 1952. Records available: 1946, 1949-52. Jan. 14, 79.76.

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 83.31 below lsd, Jan. 14, 1952. Records available: 1935, 1946, 1949-52. Jan. 14, 83.31.

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 73.86 below lsd, Aug. 14, 1952. Records available: 1946, 1949-50, 1952. Jan. 14, 72.60; Aug. 14, 73.86.

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, 1949-52. Jan. 14, 6.23; Aug. 14, 6.36.

644. The Texas Co. Lat. 29°30', long. 95°20'. Drilled unused artesian well in sand, diameter 9 inches, depth 194 feet, screen 172-194. Highest water level 12.08 below lsd, Jan. 17, 1950; lowest 14.86 below lsd, Jan. 14, 1952. Records available: 1946, 1949-52. Jan. 14, 14.86. Measurement discontinued.

#### 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, 1948-52. Jan. 16, 86.80.

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 97.7 below lsd, Nov. 3, 1952. Records available: 1946-52. Jan. 16, 87.05; July 31, 97.3; Nov. 3, 97.7.

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 80.02 below lsd, Jan. 16, 1952. Records available: 1946, 1948-52. Jan. 16, 80.02.

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 75.70 below lsd, Jan. 16, 1952. Records available: 1946, 1948-52. Jan. 16, 75.70.

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 97.43 below lsd, Jan. 16, 1952. Records available: 1946, 1948-52. Jan. 16, 97.43.

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 104.3 below lsd, Nov. 3, 1952. Records available: 1946-52. Jan. 16, 97.98; July 31, 100.5; Nov. 3, 104.3.

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, 1946; lowest 77.15 below lsd, Aug. 29, 1946. Records available: 1946, 1948-52. Jan. 16, 76.40.

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 77.20 below lsd, Aug. 1, 1951; lowest 78.84 below lsd, Aug. 28, 1946. Records available: 1946-52. Jan. 16, 77.25.

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 116.4 below lsd, Nov. 3, 1952. Records available: 1946-52. Jan. 16, 107.14; Nov. 3, 116.4.

#### 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, 1951-52. Feb. 4, 47.14.

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: 1946-52. Feb. 4, 67.38.

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, 1949-52. Feb. 4, 79.75.

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, Oct. 3, 1933; lowest 35.67 below lsd, Feb. 9, 1948. Records available: 1932-33, 1935, 1937-41, 1943-50. No measurement made in 1952.

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 98.00 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, 1943-52. Feb. 4, 64.38.

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 63.96 below lsd, Feb. 4, 1952. Records available: 1932-33, 1935-41, 1943-50, 1952. Feb. 4, 63.96.

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 84.90 below lsd, Feb. 4, 1952. Records available: 1933, 1935-41, 1943-45, 1947-52. Feb. 4, 84.90.

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 91.35 below lsd, Feb. 4, 1952. Records available: 1947-52. Feb. 4, 91.35.

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: 1947-52. Feb. 4, 97.60.

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 83.16 below lsd, Jan. 18, 1952. Records available: 1937-52. Jan. 18, 83.16.

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 67.30 below lsd, June 10, 1936; lowest 81.02 below lsd, Jan. 18, 1952. Records available: 1936-52. Jan. 18, 81.02.

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 73.57 below lsd, Jan. 18, 1952. Records available: 1936-52. Jan. 18, 73.57.

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. Jan. 18, 100.52.

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 77.12 below lsd, Jan. 18, 1952. Records available: 1937-46, 1948, 1950-52. Jan. 18, 77.12.

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 67.56 below lsd, Mar. 14, 1949. Records available: 1936-52. Jan. 18, 67.29.

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 88.20 below lsd, Jan. 25, 1952. Records available: 1937-52. Jan. 25, 88.20.

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 73.59 below lsd, Jan. 18, 1952. Records available: 1936, 1938-52. Jan. 18, 73.59.

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: 1938-52. Jan. 18, 152.08.

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 154.80 below lsd, Jan. 17, 1952. Records available: 1938-44, 1947-52. Jan. 17, 154.80.

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, 1944-52. Jan. 17, 105.35.

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 125.04 below lsd, Jan. 17, 1952. Records available: 1943-52. Jan. 17, 125.04.

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 100.08 below lsd, Jan. 17, 1952. Records available: 1939-40, 1942-52. Jan. 17, 100.08.

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 96.64 below lsd, Jan. 17, 1952. Records available: 1940, 1942-52. Jan. 17, 96.64.

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 77.80 below lsd, Jan. 17, 1952. Records available: 1942-52. Jan. 17, 77.80.

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 98.05 below lsd, Jan. 17, 1952. Records available: 1939, 1942-49, 1951-52. Jan. 17, 98.05.

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. Jan. 17, 83.84.

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 96.34 below lsd, Jan. 17, 1952. Records available: 1942-45, 1947-52. Jan. 17, 96.34.

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 96.94 below lsd, Jan. 17, 1952. Records available: 1939, 1944-52. Jan. 17, 96.94.

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 89.69 below lsd, Feb. 23, 1943; lowest 99.96 below lsd, Jan. 17, 1952. Records available: 1940, 1942-44, 1946-52. Jan. 17, 99.96.

#### 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 82.18 below lsd, Oct. 10, 1952. Records available: 1941, 1948-52. Apr. 10, 80.29; Oct. 10, 82.18.

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 9.35 below lsd, Apr. 15, 1941. Records available: 1941, 1948-52. Apr. 10, 8.06; Oct. 9, 8.93.

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, 1949-52. Apr. 11, 10.86.

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. No measurement made in 1952.

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, 1948-52. Apr. 10, 25.51; Oct. 10, 23.92.

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 18.24 below lsd, Apr. 10, 1952. Records available: 1941, 1948-52. Apr. 10, 18.24; Oct. 10, 15.68.

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, 1948-52. Apr. 10, 11.68; Oct. 10, 10.31.

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 10.78 below lsd, Oct. 9, 1952. Records available: 1941, 1948-52. Apr. 11, 9.25; Oct. 9, 10.78.



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. Apr. 11, 4.14.

G-8. U. S. Dept. of Agriculture. Lat. 29°34', long. 94°34'. Drilled farm artesian well in sand, diameter 2 inches, depth 184 feet. Highest water level 5.54 below lsd, May 22, 1941; lowest 12.38 below lsd, Oct. 9, 1952. Records available: 1941, 1948-52. Apr. 11, 10.96; Oct. 9, 12.38.

G-69. U. S. Dept. of Agriculture. Lat. 29°37', long. 94°34'. Drilled unused artesian well in sand, diameter 2 inches, depth 445 feet. Highest water level 5.44 below lsd, May 2, 1941; lowest 13.90 below lsd, Oct. 11, 1951. Records available: 1941, 1948-51. No measurement made in 1952.

H-80. R. Barrow. Lat. 29°30', long. 94°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. No measurement made in 1952.

J-13. Sun Oil Co. Lat. 29°27', long. 94°42'. Drilled industrial artesian well in sand, diameter 5 inches, depth 203 feet, screen 203-223. Highest water level 4.60 below lsd, Mar. 17, 1949; lowest 22.12 below lsd, Nov. 9, 1949. Records available: 1944, 1949-52. Apr. 11, 6.09; Oct. 9, 6.54.

#### Cochran County

1. Beck Gin Co. Whiteface. Lat. 33°36', long. 102°38'. 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. No measurement made in 1952.

5. Dave Linder. Lat. 33°40', long. 102°42'. Drilled farm water-table well in sand, diameter 6 inches, depth 146 feet. Highest water level 124.18 below lsd, Feb. 15, 1950; lowest 131.40 below lsd, Jan. 17, 1951. Records available: 1937-41, 1944-52. Feb. 6, 125.80.

#### Comal County

221. Albert Simon. Lat. 29°44', long. 98°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: 1939-52. Mar. 12, 173.06; Sept. 5, 173.25; Dec. 16, 167.38.

222. William Kraft. Lat. 29°44', long. 98°08'. Drilled farm water-table well in Edwards limestone, diameter 8 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, 1948-52. Mar. 12, 188.68; Aug. 6, 185.65; Dec. 16, 182.40.

223. L. S. Davis. Lat. 29°45', long. 98°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, 1939-52. Aug. 8, 219.81.

225. W. H. Harborth Estate. Lat. 29°44', long. 98°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, 1939-52. Mar. 12, 185.94; Aug. 6, 186.70; Sept. 5, 185.19; Dec. 16, 179.35.

232. Krueger Bros. Lat. 29°43', long. 98°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. No measurement made in 1952.

263a. Walter Kappelmacher. Lat. 29°43', long. 98°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. No measurement made in 1952.

271. Albert Wallhoeffer. Lat. 29°45', long. 98°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: 1936-52. Mar. 13, 93.64; Aug. 8, 94.26; Sept. 5, 93.68; Dec. 17, 91.43.

274. Charles Soechting. Lat. 29°46', long. 98°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: 1937-52. Mar. 13, 157.21; Aug. 8, 156.20; Dec. 17, 153.13.

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: 1936-52. Mar. 13, 154.28; Aug. 8, 151.90; Dec. 17, 149.98.

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 57.06 below lsd, Sept. 4, 1952. Records available: 1934, 1937-52. Mar. 12, 50.82; Aug. 5, 55.29; Sept. 4, 57.06; Dec. 16, 49.58.

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 102.99 below lsd, Sept. 4, 1952. Records available: 1934, 1936-52. Mar. 12, 97.32; Aug. 5, 101.05; Sept. 4, 102.99; Dec. 16, 97.58.

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 37.41 below lsd, Sept. 4, 1952. Records available: 1936-52. Mar. 12, 33.27; Aug. 5, 34.68; Sept. 4, 37.41; Dec. 16, 33.20.

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 636.51 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, 1948-52. Mar. 11, 200.84; Aug. 5, 209.14; Sept. 4, 211.51; Dec. 16, 201.83.

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: 1937-52. Mar. 13, 177.82; Aug. 8, 177.00.

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 221.37 below lsd, Aug. 29, 1952. Records available: 1948-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	212.45	213.19	213.00	213.19	212.96	214.14	216.15	218.23	221.20	214.85	215.70	212.21
2	212.45	213.22	212.85	213.28	212.99	214.10	216.20	214.34	221.25	214.93	215.68	211.98
3	212.43	213.19	212.75	213.32	213.02	214.25	216.40	218.38	221.33	215.07	215.69	211.84
4	212.35	213.20	212.92	213.38	213.08	214.49	216.61	218.39	221.32	215.16	215.75	211.78
5	212.36	213.30	212.99	213.47	213.18	214.67	216.61	218.53	221.33	215.15	215.72	211.78
6	212.36	213.51	212.99	213.57	213.39	214.70	216.65	218.74	221.32	215.13	215.70	211.70
7	212.27	213.60	213.13	213.60	213.67	214.58	216.76	218.97	221.28	215.07	215.72	211.57
8	212.31	213.67	213.21	213.76	213.94	214.53	217.00	219.16	221.22	215.00	215.68	.....
9	212.44	213.77	213.15	213.90	214.19	214.57	217.24	219.35	220.30	215.04	215.46	.....
10	212.65	213.84	213.05	213.66	214.42	214.62	217.40	219.45	220.26	215.15	215.30	.....
11	212.71	213.83	213.06	213.42	214.46	214.68	217.51	219.46	219.11	215.21	215.15	.....
12	212.74	213.83	213.09	213.21	214.43	214.60	217.70	219.63	218.32	215.18	215.04	.....
13	212.74	213.93	213.20	213.08	214.68	214.54	217.77	219.74	217.40	215.17	214.96	.....
14	212.65	214.05	213.33	212.97	214.94	214.70	217.80	220.00	217.23	215.23	214.95	.....
15	212.75	214.04	213.44	213.01	215.21	214.84	217.94	220.16	217.09	215.35	214.92	.....
16	212.75	213.90	213.44	213.11	215.42	214.93	218.20	220.31	216.95	215.29	214.89	.....
17	212.81	213.68	213.39	213.24	215.61	215.20	218.41	220.31	216.84	215.32	214.81	.....
18	212.87	213.57	213.36	213.29	215.22	215.50	.....	220.31	216.70	215.40	214.80	.....
19	212.91	213.83	213.54	213.35	215.08	215.85	.....	220.36	216.56	215.40	214.68	.....
20	212.95	213.77	213.82	213.06	214.89	216.11	.....	220.55	216.42	215.35	214.60	.....
21	212.95	213.86	214.06	213.81	214.88	216.33	.....	220.70	216.28	215.42	214.52	.....
22	213.00	213.72	214.33	212.71	215.02	216.49	.....	220.82	216.14	215.43	214.46	.....
23	213.09	213.49	214.24	212.63	215.28	216.51	.....	220.88	216.00	215.47	214.29	.....
24	213.14	213.36	214.11	212.59	215.40	216.52	216.76	220.89	215.86	215.56	214.12	.....
25	213.17	213.15	214.18	212.57	215.12	216.69	216.94	220.89	215.72	215.61	214.01	.....

430--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	213.03	213.12	214.34	212.53	214.87	216.89	217.16	220.94	215.58	215.61	214.04	.....
27	213.01	213.06	214.21	212.55	214.95	217.10	217.31	221.01	215.44	215.55	213.96	.....
28	213.03	212.96	213.99	212.55	214.80	217.21	217.37	221.33	215.30	215.61	213.87	.....
29	213.01	212.95	213.65	212.63	214.63	216.87	217.50	221.37	215.16	215.73	213.35	.....
30	213.05		213.40	212.71	214.35	216.57	217.80	221.36	215.02	215.66	212.68	.....
31	213.15		.....		214.20		218.11	221.31		215.68	.....	.....

431. U. S. Geol. Survey. Landa Park. Lat. 29°42', long. 98°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 21.19 below lsd, Sept. 6, 1952. Records available: 1948-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	19.83	19.81	19.77	19.74	19.91	20.18	20.57	21.11	20.03	20.16	19.62
2	.....	19.84	19.79	19.78	19.73	19.89	20.18	20.40	21.12	20.02	20.17	19.61
3	.....		19.80	19.78	19.74	19.90	20.19	20.41	21.17	20.06	20.17	19.59
4	19.77	.....	19.83	19.80	19.77	19.94	20.19	20.36	21.14	20.04	20.20	19.58
5	19.73	.....	19.80	19.81	19.79	19.96	20.14	20.45	21.15	20.04	20.18	19.58
6	19.74	19.91	19.77	19.83	19.85	19.98	20.16	20.68	21.19	20.03	20.20	19.57
7	19.72	19.90	19.80	19.83	19.87	19.94	20.17	20.65	21.13	20.03	20.18	19.55
8	19.71	19.92	19.80	19.84	19.92	19.94	20.22	20.71	21.09	20.02	20.17	19.55
9	19.74	19.93	19.82	19.84	19.96	19.91	20.27	20.76	21.04	20.01	20.13	19.55
10	19.77	19.94	19.78	19.78	20.02	19.97	20.39	20.74	21.22	20.03	20.12	19.56
11	19.77	19.92	19.79	19.76	19.99	19.96	20.40	20.70	21.60	20.04	20.10	19.55
12	19.78	19.95	19.78	19.72	20.00	19.95	20.45	20.85	20.09	20.04	20.10	19.55
13	19.76	19.93	19.80	19.70	20.02	19.95	20.46	20.99	20.10	20.03	20.10	19.55
14	19.75	19.97	19.82	19.71	20.07	19.98	20.46	20.85	20.06	20.05	20.09	19.55
15	19.78	19.95	19.84	19.73	20.11	19.98	20.59	20.89	20.06	20.06	20.09	19.55
16	19.77	19.93	19.82	19.73	20.13	20.50	20.61	20.90	20.06	20.06	20.08	19.55
17	19.78	19.91	19.81	19.76	20.19	20.12	20.62	20.86	20.04	20.06	20.07	19.54
18	19.79	19.91	19.82	19.77	20.11	20.16	20.38	20.86	20.03	20.07	20.07	19.51
19	19.79	19.93	19.85	19.76	20.08	20.21	20.29	20.92	20.01	20.07	20.06	19.52
20	19.80	19.92	19.82	19.69	20.06	20.20	20.24	20.96	19.97	20.07	20.06	19.50
21	19.80	19.93	19.92	19.68	20.06	20.23	20.24	20.98	19.94	20.07	20.05	19.47
22	19.81	19.91	19.96	19.68	20.12	20.23	20.24	20.97	19.93	20.08	20.05	19.47
23	19.83	19.88	19.90	19.66	20.11	20.20	20.25	21.00	19.92	20.08	20.00	19.46
24	19.85	19.85	19.93	19.66	20.13	20.24	20.27	21.02	19.94	20.10	19.98	19.46
25	19.84	19.82	19.98	19.67	20.05	20.29	20.32	20.98	19.93	20.11	19.98	19.45
26	19.84	19.83	19.97	19.70	20.06	20.32	20.34	.....	19.94	20.10	19.97	19.43
27	19.78	19.81	19.92	19.68	20.07	20.32	20.35	.....	19.94	20.11	19.96	19.42
28	19.79	19.82	19.90	19.69	20.02	.....	20.34	21.15	19.93	.....	19.92	19.41
29	19.80	19.84	19.82	.....	19.93	.....	20.31	21.15	19.95	20.16	19.58	19.37
30	19.82		19.81	.....	19.91	.....	20.40	21.17	19.98	20.15	19.68	19.26
31	19.83		19.77		19.90		20.48	21.13		20.16		19.20

Crosby County

1. J. T. Vaughn. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. M. Lat. 33°47', long. 101°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 122.15 below lsd, Jan. 24, 1952. Records available: 1937-40, 1942-44, 1946-52. Jan. 24, 122.15.

3. New Home School. NW. cor. S. M. Walker survey. Lat. 33°44', long. 101°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. Jan. 24, 156.86.

3b. B. L. Hodges. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, blk. C. Lat. 33°48', long. 101°32'. Drilled irrigation water-table well in sand. Highest water level 82.07 below lsd, Mar. 5, 1947; lowest 98.80 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 98.80.

4. J. A. McGlocklen. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 114, GTRR Survey. Lat. 33°41', long. 101°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 155.00 below lsd, Jan. 24, 1952. Records available: 1937-45, 1949-52. Jan. 24, 155.00.

6. Miss D. M. Ralls. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. A278. Lat. 33°40', long. 101°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. Jan. 23, 127.37.
7. B. F. Lackey. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 920, blk. C3. Lat. 33°40', long. 101°26'. Drilled unused 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. Jan. 23, 115.60.
- 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 99.69 below lsd, Jan. 24, 1951. Records available: 1946-52. Jan. 24, 97.10.
- 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. Jan. 24, 105.50.
- 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 95.04 below lsd, Jan. 24, 1952. Records available: 1947-49, 1951-52. Jan. 24, 95.04.
- 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 112.40 below lsd, Jan. 24, 1951. Records available: 1938, 1947-52. Jan. 24, 110.63.
- 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 113.19 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 113.19.
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 100.09 below lsd, Jan. 24, 1952. Records available: 1948-52. Jan. 24, 100.09.
- 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 105.94 below lsd, Jan. 24, 1952. Records available: 1945, 1947, 1949-52. Jan. 24, 105.94.
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 109.00 below lsd, Jan. 24, 1951. Records available: 1947-51. No measurement made in 1952.
- 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: 1947-52. Jan. 25, 79.01.

#### Dawson County

101. F. King. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. 35, T. 6 N. Lat. 32°45', long. 101°53'. Drilled unused 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 1952.
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. Feb. 2, 53.75.
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 1952.
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 1952.

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 1952.

#### 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 108.32 below lsd, Jan. 24, 1952. Records available: 1948-52. Jan. 24, 108.32.

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 131.47 below lsd, Jan. 24, 1952. Records available: 1938, 1943-52. Jan. 24, 131.47.

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 111.20 below lsd, Jan. 24, 1952. Records available: 1937-38, 1948-52. Jan. 24, 111.20.

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 98.56 below lsd, Jan. 22, 1952. Records available: 1937-38, 1941-46, 1948-52. Jan. 22, 98.56.

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 65.60 below lsd, Jan. 22, 1952. Records available: 1936-41, 1944-52. Jan. 22, 65.60.

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 84.61 below lsd, Jan. 26, 1951. Records available: 1936-49, 1951-52. Jan. 22, 81.85.

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 73.93 below lsd, Jan. 24, 1952. Records available: 1937-47, 1949-52. Jan. 24, 73.93.

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 95.95 below lsd, Jan. 26, 1951. Records available: 1936-52. Jan. 22, 93.42.

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 82.67 below lsd, Jan. 22, 1952. Records available: 1937-44, 1946, 1948-52. Jan. 22, 82.67.

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 99.23 below lsd, Jan. 26, 1951. Records available: 1937-42, 1944-52. Jan. 22, 99.15.

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 62.40 below lsd, Mar. 12, 1948. Records available: 1937-44, 1946, 1948-52. Jan. 22, 61.86.

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 64.86 below lsd, Jan. 23, 1952. Records available: 1936, 1938-52. Jan. 23, 64.86.

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 52.74 below lsd, Jan. 23, 1952. Records available: 1936-52. Jan. 23, 52.74.

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 53.28 below lsd, Mar. 10, 1949. Records available: 1937-44, 1946-47, 1949-51. No measurement made in 1952.

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 55.88 below lsd, Jan. 22, 1952. Records available: 1936-52. Jan. 22, 55.88.

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 56.75 below lsd, Jan. 22, 1952. Records available: 1937-52. Jan. 22, 56.75.

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 52.68 below lsd, Jan. 23, 1952. Records available: 1934, 1936-52. Jan. 23, 52.68.

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 57.17 below lsd, Jan. 23, 1952. Records available: 1937-52. Jan. 23, 57.17.

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 57.45 below lsd, Jan. 23, 1952. Records available: 1934, 1936-52. Jan. 23, 57.45.

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 30.39 below lsd, Jan. 22, 1952. Records available: 1937-50, 1952. Jan. 22, 30.39.

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 70.46 below lsd, Jan. 22, 1952. Records available: 1936-52. Jan. 22, 70.46.

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 irrigation water-table well in sand, diameter 26 inches, depth 179 feet. Highest water level 46.5 below lsd, 1914; lowest 81.03 below lsd, Oct. 17, 1952. Records available: 1914, 1936-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	70.65	71.82	72.40	.....	.....	.....	.....	72.69
2	.....	.....	.....	.....	70.55	71.60	72.40	.....	.....	.....	.....	72.63
3	.....	.....	.....	.....	70.45	71.55	72.05	.....	.....	75.88	73.33	72.61
4	.....	.....	.....	.....	70.34	74.30	73.70	.....	.....	75.10	73.26	72.64
5	.....	.....	.....	.....	70.25	73.60	73.14	.....	.....	74.70	73.24	72.56
6	.....	.....	.....	.....	70.20	72.85	72.82	.....	.....	74.40	73.16	72.51
7	.....	.....	.....	.....	72.85	72.43	72.60	76.0	.....	74.15	73.09	72.50
8	.....	.....	.....	.....	73.45	72.15	72.37	78.5	.....	74.00	73.06	72.50
9	.....	.....	.....	.....	72.35	71.93	72.20	75.9	.....	73.86	73.03	72.50
10	.....	.....	.....	.....	71.93	71.75	72.10	75.0	.....	73.73	72.98	72.44
11	.....	.....	.....	.....	71.65	71.58	74.65	74.5	.....	73.64	72.95	72.43
12	.....	.....	.....	.....	71.45	71.45	74.50	74.2	.....	73.53	73.15	72.42
13	.....	.....	.....	.....	71.20	71.31	73.59	73.9	.....	73.44	74.01	72.40
14	.....	.....	.....	.....	71.04	71.20	73.15	73.7	.....	73.41	74.60	72.38
15	.....	.....	.....	68.17	70.88	71.09	72.85	73.4	.....	76.50	74.35	72.35
16	.....	.....	.....	68.22	70.78	71.09	72.60	73.4	.....	79.45	73.97	72.31
17	.....	.....	.....	70.8	70.70	74.25	72.40	75.5	.....	81.03	73.76	72.31
18	.....	.....	.....	72.6	70.60	73.64	.....	75.0	.....	79.65	73.60	72.29
19	h71.42	.....	.....	73.6	70.52	72.85	.....	77.4	.....	77.77	73.45	72.27
20	.....	.....	.....	74.50	70.40	72.45	.....	75.3	.....	76.38	73.30	72.25
21	.....	.....	.....	74.34	70.31	72.20	.....	75.3	.....	75.65	73.21	72.18
22	.....	.....	.....	73.50	70.27	72.00	.....	75.6	.....	75.19	73.16	72.24
23	.....	.....	.....	72.52	70.23	71.82	.....	75.3	.....	74.85	73.08	72.20
24	.....	.....	.....	72.08	70.18	73.85	.....	74.5	.....	74.59	72.96	72.23
25	.....	.....	.....	71.75	70.10	75.75	.....	74.1	.....	74.39	72.94	72.20

261--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	.....	.....	71.48	70.10	75.05	.....	.....	.....	74.22	72.92	72.18
27	.....	.....	.....	71.25	73.05	73.67	.....	.....	.....	74.11	72.82	72.17
28	.....	.....	.....	71.06	74.58	73.17	.....	.....	.....	73.95	72.77	72.14
29	.....	.....	.....	70.92	72.55	73.82	.....	.....	.....	73.80	72.75	72.12
30	.....	.....	.....	70.75	72.10	73.58	.....	.....	.....	73.69	72.70	72.12
31	.....	.....	.....	.....	71.85	.....	.....	.....	.....	73.63	.....	72.09

## h Tape measurement.

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. Jan. 22, 80.88.

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 89.79 below lsd, Jan. 22, 1952. Records available: 1936-42, 1944-50, 1952. Jan. 22, 89.79.

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 81.56 below lsd, Jan. 22, 1952. Records available: 1937-41, 1944-52. Jan. 22, 81.56.

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 69.96 below lsd, Jan. 23, 1952. Records available: 1936-52. Jan. 23, 69.96.

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: 1936-52. Jan. 22, 81.90.

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 73.60 below lsd, Jan. 22, 1952. Records available: 1936-52. Jan. 22, 73.60.

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, 1944-52. Jan. 22, 56.37.

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 99.93 below lsd, Sept. 30, 1948. Records available: 1937, 1945-52. Jan. 23, 98.74.

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, 1936-52. Jan. 22, 57.05.

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: 1936-52. Jan. 22, 68.50.

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 89.74 below lsd, Jan. 22, 1952. Records available: 1936-52. Jan. 22, 89.74.

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 108.70 below lsd, Jan. 23, 1952. Records available: 1937-41, 1945-49, 1951-52. Jan. 23, 108.70.

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 89.95 below lsd, Jan. 26, 1951. Records available: 1937-51. No measurement made in 1952.

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 103.65 below lsd, Jan. 22, 1952. Records available: 1936-52. Jan. 22, 103.65.

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 92.10 below lsd, Jan. 22, 1952. Records available: 1936-44, 1946-52. Jan. 22, 92.10.

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. Jan. 24, 91.78.

394. Paul M. Helmke. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 43, blk. M7. Lat. 34°46', long. 102°17'. Drilled irrigation water-table well in sand. Highest water level 79.34 below lsd, Mar. 18, 1947; lowest 85.01 below lsd, Jan. 22, 1952. Records available: 1945-52. Jan. 22, 85.01.

431. S. J. Barclay. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 152, blk. M7. Lat. 34°46', long. 102°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. Jan. 23, 77.75.

486. Mrs. G. S. Parker. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. K6. Lat. 34°51', long. 102°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 94.01 below lsd, Jan. 23, 1952. Records available: 1937-39, 1941-42, 1944-49, 1951-52. Jan. 23, 94.01.

502. Carl H. Schroeder. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 50, blk. K8. Lat. 34°49', long. 102°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 119.80 below lsd, Jan. 23, 1952. Records available: 1937-42, 1944-52. Jan. 23, 119.80.

506a. Alton Fraser. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 5, GCSL. Lat. 34°48', long. 102°33'. Drilled farm water-table well in sand. Highest water level 81.29 below lsd, Mar. 9, 1948; lowest 86.90 below lsd, Jan. 23, 1952. Records available: 1948-52. Jan. 23, 86.90.

513a. A. E. Acton. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 174, blk. M7. Lat. 34°45', long. 102°30'. Drilled irrigation water-table well in sand. Highest water level 81.38 below lsd, Mar. 9, 1948; lowest 87.33 below lsd, Jan. 23, 1952. Records available: 1948-49, 1951-52. Jan. 23, 87.33.

514. Howard Gault. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 173, blk. M7. Lat. 34°45', long. 102°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 118.39 below lsd, Jan. 23, 1952. Records available: 1937-39, 1941, 1943-52. Jan. 23, 118.39.

934. L. O. Wilson. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 85, blk. M7. Lat. 34°45', long. 102°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 105.90 below lsd, Jan. 22, 1952. Records available: 1945-52. Jan. 22, 105.90.

#### Dimmit County

N7-34. Byrd Cattle Co. Lat. 28°38', long. 99°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 76.04 below lsd, Aug. 21, 1952. Records available: 1929-52. Aug. 21, 76.04.

N8-19. E. L. Omera. Lat. 28°35', long. 99°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, 1947-52. Aug. 21, 98.60.

N8-26. G. C. Riha. Lat. 28°34', long. 99°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. Aug. 21, 160.5.



N8-103. Marrs McLean. Lat. 28°30', long. 90°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 186.02 below lsd, Aug. 19, 1952. Records available: 1929-32, 1935-50, 1952. Aug. 19, 186.02.

N9-12. Federal Land Bank. Lat. 28°34', long. 99°35'. Drilled irrigation artesian well in Carrizo sand, diameter 8 to 10 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 124.36 below lsd, Aug. 19, 1952. Records available: 1929-43, 1948-52. Aug. 19, 124.38.

N9-25. Order of Calenthia. Lat. 28°31', long. 99°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 151.67 below lsd, Aug. 19, 1952. Records available: 1929-33, 1935-40, 1944-48, 1948-52. Aug. 19, 151.67.

N9-33. P. J. Lewis. Lat. 28°31', long. 99°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 98.44 below lsd, Aug. 19, 1952. Records available: 1932, 1936-52. Aug. 19, 98.44.

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 147.11 below lsd, Sept. 12, 1951. Records available: 1929-51. No measurement made in 1952.

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 69.17 below lsd, Sept. 11, 1951. Records available: 1930-33, 1935-46, 1948-49, 1951-52. Aug. 20, 88.18.

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 120.16 below lsd, Sept. 25, 1952. Records available: 1930-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	118.37	Apr. 21	118.89	July 24	119.54	Aug. 22	119.78
Feb. 22	118.50	May 26	119.12	Aug. 20	119.80	Sept. 25	120.16
Mar. 26	118.72	June 25	119.14				

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 111.0 below lsd, Aug. 19, 1952. Records available: 1929-33, 1935-52. Aug. 19, 111.0.

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 260.45 below lsd, Aug. 19, 1952. Records available: 1929-33, 1935-52. Aug. 19, 260.45.

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, 1935-52.

Jan. 24	124.64	Apr. 21	125.88	July 24	127.39	Aug. 22	127.97
Feb. 22	124.81	May 26	126.64	Aug. 19	127.99	Sept. 25	129.02
Mar. 26	125.06	June 25	126.85				

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 107.98 below lsd, Aug. 19, 1952. Records available: 1929-33, 1936-52. Aug. 19, 107.98.

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 142.78 below lsd, Aug. 19, 1952. Records available: 1929-33, 1935-39, 1944-52. Aug. 19, 142.78.

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 38.80 below lsd, Apr. 17, 1930. Records available: 1928, 1930-33, 1935-52. Aug. 19, 37.62.

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. No measurement made in 1952.

#### Duval County

69. Juan Perez. 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. Feb. 7, 69.10.

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 56.00 below lsd, June 9, 1931. Records available: 1931, 1933-34, 1936-41, 1948-52. Feb. 7, 52.10.

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, 1947-52. Feb. 7, 41.11.

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, 1947-52. Feb. 7, 34.81.

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, 1947-52. Feb. 7, 36.34.

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, 1948-52. Feb. 7, 91.25.

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, 1948-52. Feb. 7, 90.60.

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, 1947-52. Feb. 7, 46.40.

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, 1947-52. Feb. 7, 53.70.

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, 1947-52. Feb. 7, 37.89.

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, 1947-52. Feb. 7, 34.98.

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 49.68 below lsd, Aug. 22, 1933. Records available: 1931, 1933-35, 1937-41, 1943, 1945, 1948-52. Feb. 7, 43.93.

189. Pedro Lopez. Lat.  $27^{\circ}34'$ , long.  $98^{\circ}18'$ . Drilled farm artesian well in Goliad sand, diameter 6 inches, depth 100 feet. Highest water level 60.19 below lsd, Feb. 27, 1951; lowest 64.94 below lsd, Feb. 7, 1952. Records available: 1931, 1933-41, 1943, 1945, 1947, 1949-52. Feb. 7, 64.94.
190. Margarita Lopez. Lat.  $27^{\circ}34'$ , long.  $98^{\circ}18'$ . 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, 1947-52. Feb. 7, 42.39.
201. Maria Villareal de Saenz. Lat.  $27^{\circ}35'$ , long.  $98^{\circ}16'$ . 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, 1945-52. Feb. 7, 82.10.
203. N. E. Martinez. Lat.  $27^{\circ}24'$ , long.  $98^{\circ}16'$ . Drilled farm artesian well in Goliad sand, diameter 4 inches, depth 200 feet. Highest water level 45.75 below lsd, Feb. 5, 1934; lowest 71.50 below lsd, Feb. 7, 1952. Records available: 1933-41, 1943, 1945-52. Feb. 7, 71.50.
211. J. Perez. Lat.  $27^{\circ}34'$ , long.  $98^{\circ}21'$ . 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, 1947-52. Feb. 7, 42.28.
230. San Antonio Loan & Trust Co. Lat.  $27^{\circ}23'$ , long.  $98^{\circ}31'$ . 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, 1947-52. Feb. 7, 56.65.
271. J. Mann. Lat.  $27^{\circ}22'$ , long.  $98^{\circ}28'$ . 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 86.76 below lsd, Feb. 26, 1951. Records available: 1933-41, 1943, 1945, 1947-52. Feb. 7, 83.90.
289. Adolfo Garcia. Lat.  $27^{\circ}20'$ , long.  $98^{\circ}24'$ . 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 47.67 below lsd, Feb. 27, 1951. Records available: 1933-41, 1943, 1945, 1947-52. Feb. 7, 46.68.
290. Andaliasia Garcia. Lat.  $27^{\circ}19'$ , long.  $98^{\circ}24'$ . 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, 1947-52. Feb. 7, 50.55.
297. San Antonio Loan & Trust Co. Lat.  $27^{\circ}17'$ , long.  $98^{\circ}20'$ . 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, 1947-52. Feb. 7, 76.52.
301. Virginia Garcia. Lat.  $27^{\circ}19'$ , long.  $98^{\circ}20'$ . Drilled farm artesian well, diameter 6 inches, depth 280 feet. Highest water level 49.00 below lsd, Mar. 30, 1933; lowest 66.80 below lsd, Feb. 4, 1950. Records available: 1931, 1933-41, 1943, 1945, 1947-50. No measurement made in 1952.
315. Ruben Schultz. Lat.  $27^{\circ}18'$ , long.  $98^{\circ}16'$ . 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, 1945-52. Feb. 7, 57.49.
319. San Antonio Loan & Trust Co. Lat.  $27^{\circ}19'$ , long.  $98^{\circ}15'$ . Drilled unused artesian well in Goliad sand, diameter 6 inches, depth 340 feet. Highest water level 22.31 below lsd, Jan. 15, 1934; lowest 57.17 below lsd, Feb. 27, 1951. Records available: 1931, 1933-39, 1941, 1943, 1945-52. Feb. 7, 56.70.
322. Santana Hinojosa. Lat.  $27^{\circ}16'$ , long.  $98^{\circ}17'$ . 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 41.64 below lsd, Feb. 27, 1951. Records available: 1932-41, 1943, 1945, 1947-51. No measurement made in 1952.

El Paso County

30a. El Paso city well 14. San Antonio and Walnut Sts. Lat.  $31^{\circ}46'$ , long.  $106^{\circ}27'$ . 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, 1950-52. Jan. 14, 27.12; June 3, 39.39.

32a. El Paso city well 17. San Antonio and Tornillo Sts. Lat.  $31^{\circ}45'$ , long.  $106^{\circ}28'$ . 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, 1950-52. Jan. 14, 30.32; June 3, 40.85.

42. El Paso city well 9. Luna and Pera Sts. Lat.  $31^{\circ}46'$ , long.  $106^{\circ}27'$ . 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, 1950-52. Jan. 14, 27.02; June 3, 39.82.

48b. El Paso city test well 33. River end of Val Verde St. Lat.  $31^{\circ}45'$ , long.  $106^{\circ}25'$ . 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 32.17 below lsd, June 23, 1951. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	21.40	Apr. 22	27.36	July 19	28.62	Oct. 25	26.37
22	20.79	May 22	31.09	Aug. 23	29.72	Nov. 21	23.27
Feb. 21	20.12	June 23	32.08	Sept. 22	30.66	Dec. 20	21.89
Mar. 24	23.75						

49. El Paso city well 4. Lat.  $31^{\circ}46'$ , long.  $106^{\circ}26'$ . 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 49.16 below lsd, Dec. 17, 1952; lowest 84.01 below lsd, Sept. 29, 1945. Records available: 1934-35, 1937-48, 1950, 1952. Jan. 14, 72.53; Dec. 17, 49.16.

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, 1950-52. Jan. 11, 110.16; June 3, 122.43.

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, 1935-52. Jan. 14, 49.59; Jan. 24, 49.21; Mar. 4, 47.82; June 3, 58.20; Aug. 26, 59.70.

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 271.02 below lsd, Oct. 25, 1952. Records available: 1936-52.

Jan. 22	268.60	Apr. 22	268.90	July 19	269.40	Oct. 25	271.02
Feb. 21	268.60	May 22	268.92	Aug. 23	269.71	Nov. 21	269.96
Mar. 24	268.63	June 23	269.19	Sept. 22	269.95	Dec. 20	270.00

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. Jan. 23, 233.09; June 3, 242.84.

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 203.90 below lsd, Jan. 15, 1939; lowest 224.99 below lsd, June 23, 1952. Records available: 1938-52.

Jan. 9	220.50	Apr. 22	222.30	July 29	224.14	Nov. 12	222.25
22	219.94	May 22	223.66	Aug. 23	224.31	21	221.60
Feb. 21	218.62	June 23	224.99	Sept. 22	224.27	Dec. 20	221.20
Mar. 24	218.52	July 19	224.27	Oct. 25	222.58		

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 260.97 below lsd, Sept. 22, 1952. Records available: 1936-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	252.55	Apr. 22	254.95	July 19	257.84	Oct. 25	257.60
Feb. 21	252.17	May 22	257.02	Aug. 23	259.56	Nov. 21	256.00
Mar. 24	252.56	June 23	259.54	Sept. 22	260.97	Dec. 20	256.03

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, 1942-52. Jan. 22, 219.86.

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 201.34 below lsd, Nov. 21, 1952. Records available: 1937-52. Jan. 22, 200.91; Mar. 24, 200.94; Apr. 23, 201.26; June 6, 201.23; Nov. 21, 201.34.

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 220.43 below lsd, July 25, 1951. Records available: 1935-52. Jan. 22, 208.33; Mar. 24, 210.33; June 6, 218.83; Nov. 21, 212.54.

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 192.64 below lsd, Feb. 5, 1940; lowest 209.46 below lsd, June 3, 1952. Records available: 1939-52. Jan. 22, 208.08; Mar. 24, 206.51; June 3, 207.99; Aug. 26, 209.46; Sept. 9, 208.87; Oct. 10, 209.27; Nov. 11, 208.90.

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 251.45 below lsd, Aug. 23, 1952. Records available: 1936-52.

Jan. 22	249.69	Apr. 22	249.95	July 19	250.87	Oct. 25	251.14
Feb. 21	249.69	May 22	250.77	Aug. 23	251.45	Nov. 21	250.91
Mar. 24	249.84	June 23	250.73	Sept. 22	251.26	Dec. 20	251.25

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, 1947-52. Jan. 22, 338.46; June 4, 338.75.

143a. El Paso city test well 30. Lat.  $31^{\circ}59'$ , 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, 1947-52. Jan. 22, 318.46; Apr. 23, 318.51; June 4, 318.44; Aug. 25, 318.34.

#### 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, 1936; lowest 63.20 below lsd, Jan. 15, 1952. Records available: 1936-52. Jan. 15, 63.20.

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 96.40 below lsd, Jan. 15, 1952. Records available: 1936, 1947-52. Jan. 15, 96.40.

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 87.20 below lsd, Mar. 7, 1947; lowest 97.36 below lsd, Jan. 15, 1952. Records available: 1947-52. Jan. 15, 97.36.

32. Frank Whitfill. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, blk. C9. Lat. 34°15', long. 101°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 110.60 below lsd, Jan. 15, 1952. Records available: 1937-43, 1945-52. Jan. 15, 110.60.

42. D. Jackson. NW. cor. SW $\frac{1}{4}$  sec. 14, blk. C9. Lat. 34°14', long. 101°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 86.93 below lsd, Jan. 17, 1951. Records available: 1947-52. Jan. 15, 86.40.

53. Ben Quebe. NW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 99, blk. D2. Lat. 34°13', long. 101°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 67.97 below lsd, Jan. 16, 1952. Records available: 1937, 1940, 1947-50, 1952. Jan. 16, 67.97.

55. Ben Quebe. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 89, blk. D2. Lat. 34°13', long. 101°31'. Drilled irrigation water-table well in sand, depth 200 feet. Highest water level 59.14 below lsd, June 3, 1937; lowest 77.50 below lsd, Jan. 16, 1952. Records available: 1937, 1940, 1947-50, 1952. Jan. 16, 77.50.

56. Ben Quebe. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 100, blk. D2. Lat. 34°13', long. 101°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 76.53 below lsd, Jan. 16, 1952. Records available: 1940, 1947-50, 1952. Jan. 16, 76.53.

57. T. L. Wilhite. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 87, blk. D2. Lat. 34°13', long. 101°29'. Drilled unused water-table well in sand. Highest water level 60.10 below lsd, May 3, 1937; lowest 83.36 below lsd, Jan. 16, 1952. Records available: 1936-52. Jan. 16, 83.36.

106. M. W. Alford. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 65, blk. D2. Lat. 34°11', long. 101°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 83.10 below lsd, Jan. 15, 1952. Records available: 1916, 1934, 1937-46, 1948-52. Jan. 15, 83.10.

108. Ivan Thompson. NW. cor. SE $\frac{1}{4}$  sec. 65, blk. D2. Lat. 34°11', long. 101°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 83.27 below lsd, Jan. 15, 1952. Records available: 1914, 1938-52. Jan. 15, 83.27.

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 80.20 below lsd, Jan. 15, 1952. Records available: 1937, 1947-52. Jan. 15, 80.20.

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 79.05 below lsd, Jan. 15, 1952. Records available: 1914, 1936-52. Jan. 15, 79.05.

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 287. Highest water level 48.5 below lsd, Feb. 2, 1914; lowest 78.75 below lsd, Jan. 15, 1952. Records available: 1914, 1936-52. Jan. 15, 78.75.

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 94.70 below lsd, Jan. 15, 1952. Records available: 1937-52. Jan. 15, 94.70.

138. John Carthel. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 49, blk. D2. Lat. 34°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 114.35 below lsd, Jan. 15, 1952. Records available: 1947-49, 1951-52. Jan. 15, 114.35.

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 110.82 below lsd, Jan. 11, 1952. Records available: 1914, 1934, 1937-38, 1941-52. Jan. 11, 110.82.

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 99.27 below lsd, Jan. 15, 1952. Records available: 1914, 1938-52. Jan. 15, 99.27.

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°32'. 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 102.33 below lsd, Jan. 11, 1952. Records available: 1914-15, 1936-37, 1948-50, 1952. Jan. 11, 102.33.
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 91.65 below lsd, Jan. 11, 1952. Records available: 1916, 1934, 1937-52. Jan. 11, 91.65.
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, diameter 24 to 12 inches, depth 278 feet, cased to 278. Highest water level 50.0 below lsd, 1914; lowest 101.90 below lsd, Jan. 11, 1952. Records available: 1914, 1936-52. Jan. 11, 101.90.
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 85.50 below lsd, Jan. 15, 1952. Records available: 1945, 1947-52. Jan. 15, 85.50.
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 91.15 below lsd, Jan. 15, 1952. Records available: 1940, 1947-49, 1952. Jan. 15, 91.15.
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 195.30 below lsd, Jan. 15, 1952. Records available: 1939, 1947-52. Jan. 15, 195.30.
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 87.74 below lsd, Jan. 16, 1951. Records available: 1947-51. No measurement made in 1952.
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 69.40 below lsd, Jan. 16, 1952. Records available: 1947-52. Jan. 16, 69.40.
265. G. B. Johnston. Lat. 34°14', long. 101°25'. Drilled irrigation water-table well in sand, depth 201 feet. Highest water level 81.56 below lsd, Mar. 7, 1947; lowest 90.64 below lsd, Jan. 15, 1952. Records available: 1947-52. Jan. 15, 90.64.
326. W. C. Simms. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. 1. Lat. 33°59', long. 101°17'. Drilled un-sued water-table well in sand, diameter 14 inches, depth 310 feet. Highest water level 147.20 below lsd, Mar. 9, 1948; lowest 150.00 below lsd, Mar. 9, 1949. Records available: 1937, 1939-43, 1945-52. Jan. 14, 149.70.
409. A. V. and J. H. Campbell. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. M. Lat. 34°06', long. 101°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 84.53 below lsd, Feb. 17, 1950. Records available: 1914, 1936-43, 1945-50. No measurement made in 1952.
- 410a. W. C. McGrede. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 44, blk. D6. Lat. 34°07', long. 101°32'. Drilled irrigation water-table well in sand. Highest water level 67.80 below lsd, Mar. 2, 1948; lowest 88.86 below lsd, Jan. 11, 1952. Records available: 1948-49, 1952. Jan. 11, 88.86.
414. Mrs. Harriet B. Robbins. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 46, blk. D6. Lat. 34°08', long. 101°30'. Drilled irrigation water-table well in sand, depth 227 feet. Highest water level 49.5 below lsd, July 1913; lowest 111.45 below lsd, Jan. 11, 1952. Records available: 1913-14, 1938-45, 1949-50, 1952. Jan. 11, 111.45.
416. J. R. Belt, Jr. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 46, blk. D6. Lat. 34°07', long. 101°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 103.67 below lsd, Feb. 18, 1950. Records available: 1913-14, 1938-50. No measurement made in 1952.
420. Walter Gloyna. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 47, blk. D6. Lat. 34°07', long. 101°29'. Drilled irrigation water-table well in sand. Highest water level 85.00 below lsd, Mar. 17, 1947; lowest 117.63 below lsd, Jan. 11, 1952. Records available: 1947-52. Jan. 11, 117.63.

421. J. R. Belt, Jr. NW. cor. sec. 48, blk. D6. Lat. 34°07', long. 101°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 110.39 below lsd, Jan. 11, 1952. Records available: 1913-14, 1934, 1936-52. Jan. 11, 110.39.

423. Judson Jones. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 48, blk. D6. Lat. 34°07', long. 101°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 103.54 below lsd, Jan. 11, 1952. Records available: 1915, 1947-52. Jan. 11, 103.54.

428a. W. L. Thomas Estate. NW. cor. F. Griggs survey. Lat. 34°05', long. 101°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. Jan. 11, 96.25.

435. W. M. Summerlin. Center of L. C. Reed survey. Lat. 34°06', long. 101°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 112.40 below lsd, Jan. 11, 1952. Records available: 1937-43, 1946-52. Jan. 11, 112.40.

442. Solon Clements. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 51, blk. D3. Lat. 34°07', long. 101°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, 1948-52. Jan. 7, 29.44.

448. Buck Sams. NW. cor. sec. 74, blk. G. Lat. 34°06', long. 101°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 95.63 below lsd, Jan. 11, 1952. Records available: 1940, 1947-52. Jan. 11, 95.63.

459. Texas Land & Development Co. Lat. 34°04', long. 101°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 83.47 below lsd, Jan. 16, 1952. Records available: 1917, 1934, 1937-52. Jan. 16, 83.47.

463. Sam Moore. NW. cor. sec. 14, blk. N. Lat. 34°05', long. 101°32'. Drilled irrigation water-table well in sand, diameter 24 to 12 inches, depth 268 feet, cased to 264. Highest water level 44.93 below lsd, Apr. 16, 1934; lowest 87.00 below lsd, Jan. 14, 1952. Records available: 1915, 1934, 1937-49, 1951-52. Jan. 14, 87.00.

467. C. J. Barnard. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, blk. N. Lat. 34°03', long. 101°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 68.60 below lsd, Jan. 14, 1952. Records available: 1937-49, 1951-52. Jan. 14, 68.60.

472. Texas Land & Development Co. Lat. 34°04', long. 101°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 82.00 below lsd, Jan. 16, 1952. Records available: 1938-52. Jan. 16, 82.00.

478. T. B. Mitchell. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 57, blk. G. Lat. 34°03', long. 101°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 93.29 below lsd, Feb. 18, 1950. Records available: 1947-52. Jan. 14, 88.11.

486. Mrs. M. E. Morris. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 53, blk. O. Lat. 34°03', long. 101°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: 1937-52. Jan. 14, 31.85.

493. Henry Schacht. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. D6. Lat. 34°07', long. 101°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 116.58 below lsd, Jan. 11, 1952. Records available: 1945, 1947-52. Jan. 11, 116.58.

510. W. R. Crow. Lat. 34°01', long. 101°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 66.63 below lsd, Jan. 18, 1951. Records available: 1937-52. Jan. 14, 64.60.

511. T. B. Mitchell. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 48, blk. G. Lat. 34°02', long. 101°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. Jan. 14, 81.95.



519. J. L. Faulkner. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 44, blk. G. Lat. 33°59', long. 101°27'. Drilled stock water-table well in sand, diameter 6 inches. Highest water level 48.09 below lsd, May 8, 1936; lowest 63.70 below lsd, Jan. 14, 1952. Records available: 1936-52. Jan. 14, 63.70.
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. Jan. 18, 48.35.
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, 1942-52. Jan. 14, 109.70.
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 82.34 below lsd, Jan. 16, 1952. Records available: 1939, 1947-52. Jan. 16, 82.34.
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 143.58 below lsd, Jan. 23, 1952. Records available: 1937, 1945-46, 1948-52. Jan. 23, 143.58.
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 119.65 below lsd, Jan. 15, 1952. Records available: 1947-50, 1952. Jan. 15, 119.65.
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 96.12 below lsd, Jan. 11, 1952. Records available: 1947-52. Jan. 11, 96.12.
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, Mar. 1945; lowest 91.98 below lsd, Feb. 18, 1950. Records available: 1945, 1947-52. Jan. 14, 91.73.
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 102.55 below lsd, Jan. 14, 1952. Records available: 1945, 1947-52. Jan. 14, 102.55.
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, 1947-52. Jan. 16, 77.00.
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 80.73 below lsd, Jan. 14, 1952. Records available: 1947-49, 1951-52. Jan. 14, 80.73.
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 90.75 below lsd, Feb. 18, 1950. Records available: 1947-52. Jan. 14, 86.55.
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 87.55 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951-52. Jan. 16, 84.00.
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: 1947-52. Jan. 14, 120.70.

#### 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 79.42 below lsd, Nov. 21, 1952. Records available: 1931, 1933, 1939-52. Mar. 11, 72.58; Nov. 21, 79.42.

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 72.51 below lsd, Nov. 21, 1952. Records available: 1932-33, 1939-40, 1942-52. Mar. 11, 68.85; Nov. 21, 72.51.

15. P. V. Cook well 1. Lat. 29°44', long. 95°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. Mar. 11, 74.55.

17. Mrs. H. L. Gordon. Lat. 29°42', long. 95°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. Mar. 11, 68.48.

20. L. Pauli. Lat. 29°42', long. 95°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, 1939-52. Mar. 11, 57.25.

21. L. Pauli. Lat. 29°41', long. 95°48'. Drilled irrigation artesian well in sand, diameter 26 to 10 inches, depth 657 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, 1942-52. Mar. 11, 59.67; Nov. 21, 69.18.

26. C. Pillot well 1. Lat. 29°41', long. 95°41'. Drilled unused artesian well in sand, diameter 26 to 12 inches, depth 657 feet. Highest water level 26.57 below lsd, Mar. 10, 1939; lowest 51.28 below lsd, Nov. 13, 1951. Records available: 1939-52. Mar. 11, 42.26; Nov. 21, 28.35.

29. C. Pillot well 2. Lat. 29°41', long. 95°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, 1948-52. Mar. 11, 48.84; Nov. 21, 62.05.

30. B. Ray Woods well 2. Lat. 29°44', long. 95°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: 1940-52. Mar. 13, 74.00; Nov. 21, 78.01.

33. Earl McMillian. Lat. 29°45', long. 95°52'. Drilled irrigation artesian well in sand, diameter 15 inches, depth 346 feet. Highest water level 57.77 below lsd, Mar. 15, 1939; lowest 76.59 below lsd, Nov. 21, 1952. Records available: 1939-52. Mar. 11, 72.85; Nov. 21, 76.59.

75. Gulf Pipe Line Co. Lat. 29°34', long. 95°27'. Drilled industrial artesian well in sand, diameter 6 inches, depth 800 feet. Highest water level 44.89 below lsd, Mar. 13, 1939; lowest 114.94 below lsd, Sept. 17, 1952. Records available: 1938-52. Feb. 5, 107.70; June 17, 109.25; Sept. 17, 114.94; Dec. 30, 114.52.

77. Ansel & Brinkman. Lat. 29°36', long. 95°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 91.93 below lsd, June 13, 1951. Records available: 1945-52. Feb. 5, 87.55.

A-2. Southern Pacific Lines. Simonton. Lat. 29°40', long. 95°58'. Drilled unused artesian well in sand, diameter 6 inches, depth 300 feet. Highest water level 18.50 below lsd, May 14, 1947; lowest 34.97 below lsd, Aug. 29, 1951. Records available: 1947-52. Aug. 6, 33.53.

B-26. M. A. McDonald. Lat. 29°41', long. 95°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: 1947-52. Jan. 16, 63.28; Aug. 6, 85.25.

B-30. Mr. Settegast. Lat. 29°41', long. 95°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, 1948-52. Jan. 16, 58.95; Aug. 7, 88.98.

D-15. Humble Oil & Refining Co. Lat. 29°31', long. 95°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 76.50 below lsd, Jan. 15, 1952. Records available: 1947-52. Jan. 15, 76.50.

D-16. Julia Tague. Lat. 29°30', long. 95°27'. Drilled unused artesian well in sand, diameter 4 inches, depth 459 feet. Highest water level 35.19 below lsd, May 5, 1947; lowest 48.40 below lsd, Jan. 15, 1952. Records available: 1947-52. Jan. 15, 48.40.

D-22. Humble Oil & Refining Co. Lat. 29°32', long. 95°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 67.91 below lsd, Aug. 5, 1952. Records available: 1947-52. Jan. 15, 66.00; Aug. 5, 67.91.

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 59.14 below lsd, Aug. 5, 1952. Records available: 1944, 1947-52. Jan. 16, 57.56; Aug. 5, 59.14.

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 40.60 below lsd, Aug. 5, 1952. Records available: 1947-52. Jan. 16, 40.20; Aug. 5, 40.60.

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 58.94 below lsd, Aug. 24, 1951. Records available: 1947-52. Jan. 15, 57.48.

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 65.86 below lsd, Aug. 6, 1952. Records available: 1947-52. Jan. 15, 62.28; Aug. 6, 65.86.

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 67.96 below lsd, Aug. 5, 1952. Records available: 1947-52. Jan. 15, 65.65; Aug. 5, 67.96.

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. No measurement made in 1952.

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: 1947-52. Jan. 15, 43.88; Aug. 6, 46.16.

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, 1950-52. Jan. 15, 50.34.

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 52.86 below lsd, Aug. 29, 1951. Records available: 1947-52. Jan. 15, 52.09.

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 35.25 below lsd, Aug. 6, 1952. Records available: 1947-52. Jan. 15, 34.11; Aug. 6, 35.25.

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. Jan. 15, 29.40; Aug. 6, 36.11.

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 16.85 below lsd, Aug. 6, 1952. Records available: 1947-52. Jan. 16, 14.57; Aug. 6, 16.85.

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 18.23 below lsd, Aug. 6, 1952. Records available: 1947-52. Jan. 16, 18.06; Aug. 6, 18.23.

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, 1950-52. Jan. 16, 29.48.

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: 1948-52. Jan. 16, 27.84.

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, 1948-52. Jan. 16, 25.94.

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 23.77 below lsd, Aug. 5, 1952. Records available: 1947-52. Jan. 16, 23.57; Aug. 5, 23.77.

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 37.65 below lsd, Aug. 28, 1951. Records available: 1940, 1947-51. No measurement made in 1952.

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 28.17 below lsd, Aug. 5, 1952. Records available: 1947-52. Jan. 16, 27.73; Aug. 5, 28.17.

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 36.26 below lsd, Aug. 6, 1952. Records available: 1947, 1949-52. Jan. 16, 27.80; Aug. 6, 36.26.

#### 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, 1949-52. Feb. 5, 54.81.

6a. Andrew Fasken. NW $\frac{1}{4}$ 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 42.81 below lsd, Feb. 5, 1952. Records available: 1938-40, 1943, 1949-52. Feb. 5, 42.81.

#### 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. No measurement made in 1952.

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 114.60 below lsd, Nov. 6, 1951. Records available: 1939-41, 1943-44, 1947-52. May 5, 113.30.

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, 1944-52. May 5, 112.92; Nov. 7, 117.35.

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 105.19 below lsd, Nov. 7, 1952. Records available: 1931-33, 1939-52. May 5, 101.56; Nov. 7, 105.19.

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 105.24 below lsd, Nov. 7, 1952. Records available: 1939, 1941-42, 1944-52. May 5, 101.50; Nov. 7, 105.24.

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 79.87 below lsd, Nov. 19, 1952. Records available: 1939-52. May 5, 77.47; Nov. 19, 79.87.

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. May 5, 102.70; Nov. 17, 112.00.
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 109.10 below lsd, Nov. 6, 1951. Records available: 1931, 1939, 1941, 1944-52. May 5, 109.03.
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 96.84 below lsd, Nov. 7, 1952. Records available: 1941-42, 1944-52. May 5, 93.25; Nov. 7, 96.84.
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, 1935-52. May 6, 76.21; Nov. 14, 77.90.
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 87.86 below lsd, Nov. 7, 1952. Records available: 1939, 1941, 1945-52. May 5, 85.40; Nov. 7, 87.86.
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, 1944-52. May 8, 84.62; Nov. 6, 86.72.
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, 1941-52. May 6, 95.67; Nov. 6, 96.54.
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, 1941-52. Nov. 19, 80.07.
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, 1946-52. May 8, 121.86; Nov. 13, 119.10.
251. 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, 1944-52. May 7, 82.67; Nov. 14, 80.68.
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, 1941-52. May 7, 69.78; Nov. 14, 72.23.
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: 1944-52. May 7, 56.50; Nov. 12, 59.18.
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, 1951-52. May 7, 55.48; Nov. 12, 58.04.
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 102.07 below lsd, Nov. 7, 1952. Records available: 1939, 1941, 1944-52. May 5, 98.38; Nov. 7, 102.07.
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 104.94 below lsd, Nov. 7, 1952. Records available: 1939, 1941, 1944-52. May 5, 101.28; Nov. 7, 104.94.

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 89.16 below lsd, Nov. 6, 1952. Records available: 1939, 1941-42, 1944-52. May 6, 88.44; Nov. 6, 89.16.

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, 1944-52. May 6, 84.38; Nov. 6, 86.84.

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, 1941-52. May 12, 100.97; Nov. 3, 109.15.

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: 1941-52. May 12, 104.04; Nov. 3, 108.93.

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 111.4 below lsd, Nov. 8, 1952. Records available: 1941-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	108.7	108.3	108.2	108.0	108.2	.....	.....	108.6	109.6	.....	111.1	111.1
2	108.7	108.3	108.1	108.1	108.2	.....	.....	108.6	109.7	.....	111.1	111.2
3	108.7	108.2	108.1	108.0	108.2	.....	.....	108.6	109.7	.....	111.2	111.0
4	108.7	108.3	108.4	108.0	108.2	.....	.....	108.6	109.8	.....	111.2	110.9
5	108.6	108.3	108.3	108.1	108.2	.....	.....	108.6	109.8	.....	111.3	110.9
6	108.6	108.3	108.3	108.2	108.2	.....	.....	108.5	109.8	.....	111.3	110.9
7	108.6	108.4	108.3	108.2	108.2	.....	.....	108.5	109.8	.....	111.3	110.8
8	108.5	108.4	108.3	108.1	108.2	.....	.....	108.5	109.8	.....	111.4	110.8
9	108.5	108.3	108.2	108.1	108.1	.....	.....	108.5	109.8	.....	111.3	110.8
10	108.6	108.3	108.1	108.2	108.1	.....	.....	108.5	109.8	.....	111.3	110.8
11	108.6	108.3	108.2	108.1	108.2	.....	.....	108.5	109.8	.....	111.3	110.8
12	108.6	108.3	108.2	108.0	108.1	.....	.....	108.5	109.8	.....	111.3	110.8
13	108.5	108.3	108.2	108.1	108.1	107.9	.....	108.5	109.8	.....	111.3	110.8
14	108.5	108.3	108.2	108.2	108.1	107.9	.....	108.5	109.8	.....	111.3	110.8
15	108.5	108.2	108.2	108.2	108.1	107.9	.....	108.6	109.8	.....	111.3	110.8
16	108.5	108.2	108.3	108.2	108.1	107.9	.....	108.6	109.8	.....	111.3	110.8
17	108.5	108.3	108.2	108.2	108.1	107.9	.....	108.6	109.8	110.5	111.3	110.8
18	108.5	108.3	108.1	108.2	.....	107.9	.....	108.7	109.8	110.5	111.3	110.7
19	108.5	108.2	108.2	108.2	.....	108.0	.....	108.7	109.8	110.6	111.3	110.6
20	108.5	108.2	108.2	108.2	.....	108.0	.....	108.7	110.0	110.6	111.3	110.6
21	108.5	108.2	108.1	108.2	.....	108.0	.....	109.0	110.0	110.7	111.3	110.6
22	108.5	108.1	108.1	108.2	.....	108.1	.....	109.1	110.0	110.8	111.3	110.6
23	108.6	108.1	108.2	108.1	108.0	108.1	.....	109.2	110.0	110.8	111.3	110.7
24	108.7	108.1	108.2	108.2	108.0	108.3	108.8	109.3	110.1	110.8	111.2	110.7
25	108.6	108.2	108.2	108.2	108.0	108.3	108.7	109.4	.....	110.8	111.2	110.7
26	108.6	108.2	108.2	108.2	108.0	108.4	108.7	109.5	.....	110.9	111.3	110.7
27	108.6	108.2	108.2	108.2	107.9	108.5	108.7	109.5	.....	110.9	111.3	110.7
28	108.6	108.2	108.2	108.2	.....	108.6	108.7	109.8	.....	110.9	111.3	110.7
29	108.6	108.2	108.2	108.2	.....	.....	108.6	109.6	.....	111.0	111.2	110.5
30	108.6	.....	108.1	108.2	.....	.....	108.6	109.6	.....	111.1	111.2	110.4
31	108.6	.....	107.9	.....	.....	.....	108.6	109.6	.....	111.1	.....	110.5

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: 1941-52. May 12, 76.26; Nov. 14, 78.45.

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, 1944-52. May 6, 97.62; Nov. 14, 97.02.

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 117.53 below lsd, Nov. 7, 1952. Records available: 1941-42, 1944-52. May 5, 112.00; Nov. 7, 117.53.

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 36.50 below lsd, May 6, 1942; lowest 82.53 below lsd, Apr. 10, 1944. Records available: 1941-42, 1944-52. May 5, 53.46.

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 86.42 below lsd, Nov. 7, 1952. Records available: 1941-42, 1944-52. May 12, 83.56; Nov. 7, 86.42.

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, 1943-52. May 7, 80.49; Nov. 14, 83.00.

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. May 7, 28.46; Nov. 14, 29.34.

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 109.78 below lsd, Nov. 24, 1952. Records available: 1942-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	106.26	Apr. 24	105.73	July 24	106.25	Oct. 24	109.06
Feb. 25	105.65	May 23	105.41	Aug. 21	109.04	Nov. 24	109.78
Mar. 21	105.61	June 24	106.04	Sept. 24	107.82	Dec. 19	108.79

#### 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 69.80 below lsd, Jan. 28, 1952. Records available: 1937, 1941-52. Jan. 28, 69.80.

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 92.83 below lsd, Jan. 29, 1952. Records available: 1936-38, 1941-50, 1952. Jan. 29, 92.83.

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 76.42 below lsd, Jan. 29, 1952. Records available: 1939, 1947-49, 1951-52. Jan. 29, 76.42.

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 73.88 below lsd, Jan. 29, 1952. Records available: 1947-49, 1951-52. Jan. 29, 73.88.

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 74.75 below lsd, Feb. 2, 1951. Records available: 1945-52. Jan. 28, 72.97.

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 93.09 below lsd, Jan. 29, 1952. Records available: 1947-50, 1952. Jan. 29, 93.09.

93. R. A. McAlister. NW $\frac{1}{4}$ SW $\frac{1}{4}$  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 99.12 below lsd, Jan. 29, 1952. Records available: 1947-52. Jan. 29, 99.12.

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 58.14 below lsd, Jan. 28, 1952. Records available: 1936-52. Jan. 28, 58.14.

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 53.58 below lsd, Mar. 12, 1947; lowest 64.68 below lsd, Jan. 28, 1952. Records available: 1947-60, 1952. Jan. 28, 64.68.

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 67.05 below lsd, Jan. 28, 1952. Records available: 1934, 1937-46, 1948-52. Jan. 28, 67.05.

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. Jan. 28, 96.22.

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 58.37 below lsd, Jan. 28, 1952. Records available: 1947-49, 1951-52. Jan. 28, 58.37.

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 77.23 below lsd, Jan. 17, 1951. Records available: 1947-49, 1951-52. Jan. 28, 76.85.

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 68.35 below lsd, Jan. 28, 1952. Records available: 1943-47, 1949-52. Jan. 28, 68.35.

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 74.19 below lsd, Jan. 17, 1951. Records available: 1940, 1943-52. Jan. 28, 70.65.

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 71.44 below lsd, Jan. 28, 1952. Records available: 1939, 1943-50, 1952. Jan. 28, 71.44.

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 84.94 below lsd, Jan. 28, 1952. Records available: 1916, 1934, 1936-39, 1942-50, 1952. Jan. 28, 84.94.

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 88.20 below lsd, Jan. 28, 1952. Records available: 1916, 1936-49, 1951-52. Jan. 28, 88.20.

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 80.60 below lsd, Jan. 28, 1952. Records available: 1916, 1936-52. Jan. 28, 80.60.

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 62.06 below lsd, May 7, 1936; lowest 84.86 below lsd, Jan. 18, 1951. Records available: 1936-52. Jan. 28, 82.17.

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 76.57 below lsd, Jan. 28, 1952. Records available: 1914, 1938-52. Jan. 28, 76.57.

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 82.36 below lsd, Jan. 28, 1952. Records available: 1916, 1947-52. Jan. 28, 82.36.

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 74.70 below lsd, Jan. 28, 1952. Records available: 1916, 1934, 1937-45, 1947-52. Jan. 28, 74.70.



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 76.65 below lsd, Jan. 28, 1952. Records available: 1947-49, 1951-52. Jan. 28, 76.65.

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 79.80 below lsd, Feb. 14, 1950. Records available: 1914, 1936-41, 1943-50, 1952. Jan. 21, 76.60.

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 71.53 below lsd, Jan. 21, 1952. Records available: 1914, 1936-52. Jan. 21, 71.53.

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 82.75 below lsd, Jan. 16, 1951. Records available: 1937, 1947-49, 1951-52. Jan. 21, 78.95.

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 37.80 below lsd, Jan. 29, 1952. Records available: 1910, 1914, 1937-49, 1951-52. Jan. 29, 37.80.

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 39.08 below lsd, Jan. 28, 1952. Records available: 1914, 1936-49, 1951-52. Jan. 28, 39.08.

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, 1937-52. Jan. 28, 87.73.

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. No measurement made in 1952.

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 89.51 below lsd, Jan. 28, 1952. Records available: 1936-52. Jan. 28, 69.51.

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 68.35 below lsd, Jan. 28, 1952. Records available: 1948-52. Jan. 28, 68.35.

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 67.28 below lsd, Jan. 25, 1952. Records available: 1948-52. Jan. 25, 67.28.

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 68.10 below lsd, Jan. 25, 1952. Records available: 1947-50, 1952. Jan. 25, 68.10.

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 74.80 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 74.80.

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 63.61 below lsd, Jan. 25, 1952. Records available: 1914, 1936-50, 1952. Jan. 25, 63.61.

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 65.82 below lsd, Jan. 24, 1952. Records available: 1937-50, 1952. Jan. 24, 65.82.

407a. City of Plainview. Lat. 34°10', long. 101°41'. Drilled water-table well in sand, diameter 8 inches, depth 150 feet. Highest water level 41.86 below lsd, June 28, 1949; lowest 55.74 below lsd, Dec. 6, 1952. Records available: 1949-52.

Daily highest water level from recorder graph, 1949\*

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	41.97	42.55	43.19	43.45	43.34	43.73
2	.....	41.97	42.55	43.21	43.47	43.35	43.73
3	.....	41.98	43.54	43.37	43.48	43.35	43.73
4	.....	42.00	42.55	43.44	43.43	43.36	43.73
5	.....	42.09	42.55	43.44	43.40	43.39	43.85
6	.....	42.10	42.55	43.44	43.37	43.39	43.82
7	.....	42.14	42.55	43.34	43.38	43.38	43.85
8	.....	42.14	42.55	43.29	43.37	43.38	43.84
9	.....	42.19	42.55	43.29	43.37	43.38	43.84
10	.....	42.21	42.55	43.28	43.42	43.38	43.84
11	.....	42.23	42.54	43.27	43.41	43.38	43.84
12	.....	42.40	42.54	43.26	43.40	43.38	43.84
13	.....	42.28	42.65	43.25	43.39	43.38	43.84
14	.....	42.28	42.70	43.24	43.35	43.38	43.84
15	.....	42.27	42.66	43.23	43.35	43.40	43.84
16	.....	42.25	42.67	43.22	43.35	43.44	43.84
17	.....	42.25	42.76	43.21	43.49	43.45	43.84
18	.....	42.35	42.80	43.14	43.41	43.45	43.84
19	.....	42.34	42.81	43.16	43.40	43.45	43.84
20	.....	42.30	42.98	43.18	43.40	43.45	43.84
21	.....	42.30	42.87	43.19	43.39	43.45	.....
22	.....	42.37	42.97	43.19	43.39	43.45	.....
23	.....	42.40	42.91	43.19	43.39	43.45	.....
24	.....	42.41	43.00	43.19	43.39	43.47	.....
25	.....	42.42	43.05	43.19	43.38	43.77	.....
26	.....	42.48	43.06	43.19	43.39	43.80	.....
27	41.90	42.56	43.10	43.19	43.38	43.85	.....
28	41.86	43.54	43.09	43.35	43.38	43.74	.....
29	41.88	42.55	43.09	43.40	43.37	43.75	.....
30	41.88	42.57	43.09	43.42	43.35	43.73	.....
31	.....	42.59	43.21	.....	43.36	.....	.....

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

Daily highest water level from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	44.40	44.40	44.85	.....	46.07	46.66	46.58	47.03	46.59	47.15	47.44
2	.....	44.38	44.38	44.85	.....	46.10	46.67	46.57	47.03	46.59	47.15	47.45
3	.....	44.36	44.38	44.95	45.63	46.15	46.67	46.57	47.05	46.61	47.15	47.50
4	.....	44.39	44.39	44.95	46.63	46.15	46.80	46.57	47.04	46.61	47.15	47.50
5	.....	44.55	44.55	44.95	45.65	45.15	46.74	46.57	47.04	46.61	47.15	47.54
6	.....	44.44	44.44	44.95	45.80	46.15	46.74	46.57	47.00	46.62	47.16	47.53
7	.....	44.45	44.45	44.96	45.71	46.15	46.72	46.57	46.94	46.64	47.26	47.53
8	.....	44.45	44.45	45.07	45.72	46.18	46.72	46.56	46.90	46.65	47.30	47.54
9	.....	44.47	44.47	45.15	45.74	46.16	46.70	46.55	46.86	46.66	47.25	47.54
10	43.99	44.52	44.42	45.15	45.70	46.24	46.70	46.53	46.82	46.70	47.25	47.56
11	43.99	44.67	44.67	45.25	45.71	46.24	46.65	46.51	46.77	46.85	47.24	47.55
12	43.99	44.65	44.65	45.32	45.71	46.23	46.64	46.50	46.72	46.85	47.23	47.76
13	43.99	44.64	44.64	45.28	45.71	46.25	46.64	46.65	46.72	46.85	47.23	47.76
14	43.98	44.65	44.65	45.25	45.72	46.25	46.64	46.70	46.69	46.85	47.24	47.73
15	43.98	44.65	44.65	45.23	45.72	46.25	46.80	46.70	46.68	46.85	47.24	47.73
16	43.98	44.67	44.67	45.23	45.72	46.30	46.73	46.73	46.68	46.85	47.26	47.74
17	43.98	44.67	44.67	45.23	45.74	46.30	46.73	46.78	46.66	46.90	47.25	47.88
18	43.98	44.67	44.67	45.25	45.78	46.50	46.72	46.84	46.65	46.95	47.25	47.85
19	43.98	44.69	44.69	45.38	45.78	46.38	46.72	46.82	46.64	46.98	47.26	47.83
20	43.98	44.63	44.63	45.40	45.79	46.35	46.71	46.82	46.63	46.99	47.26	47.83
21	43.98	44.85	44.85	45.36	45.80	46.38	46.70	46.87	46.62	47.00	47.26	47.83
22	43.98	44.81	44.81	45.38	45.91	46.40	46.70	46.85	46.61	47.00	47.26	47.83
23	44.13	44.81	44.81	45.38	45.95	46.47	46.69	46.87	46.60	47.15	47.26	47.83
24	44.17	44.81	44.81	.....	45.94	46.58	46.65	46.91	46.59	47.15	47.27	47.84
25	44.15	44.81	44.81	.....	45.93	46.57	46.63	46.93	46.58	47.28	47.28	47.84
26	44.13	44.81	44.81	.....	45.91	46.58	46.59	46.95	46.58	47.17	47.29	47.84
27	44.11	44.85	44.85	.....	45.91	46.62	46.56	46.95	46.58	47.17	47.34	47.85
28	44.10	44.85	44.85	.....	46.00	46.65	46.55	46.95	46.58	47.16	47.36	47.85
29	44.23	.....	44.85	.....	45.99	46.70	46.55	46.95	46.58	47.16	47.44	47.85
30	44.25	.....	44.85	.....	45.99	46.66	46.55	46.95	46.58	47.16	47.44	47.87
31	44.17	.....	44.85	.....	46.09	.....	46.55	47.06	.....	47.16	.....	47.87

407a--Continued.

Daily highest water level from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.88	48.12	48.38	48.70	49.45	47.09	46.62	47.14	48.21	48.47	49.34	.....
2	47.89	48.12	48.38	48.70	49.45	47.09	46.60	47.15	48.44	48.62	49.36	.....
3	47.89	48.13	48.40	48.74	49.45	47.00	46.60	47.43	.....	48.65	49.36	.....
4	47.90	48.15	48.42	48.83	48.45	46.95	46.60	47.52	.....	48.64	49.37	49.70
5	47.90	48.15	48.42	48.82	49.47	46.93	46.60	47.70	48.61	48.77	49.37	.....
6	47.91	48.16	48.45	48.87	49.52	46.84	46.53	47.72	48.67	48.80	49.40	.....
7	47.91	48.17	48.45	48.84	49.52	46.81	46.54	47.65	47.67	48.84	49.40	.....
8	47.92	48.18	48.53	48.84	49.57	46.76	46.56	47.55	48.60	48.87	49.40	.....
9	47.93	48.20	48.53	48.90	49.70	46.75	46.58	47.77	48.60	48.89	49.40	.....
10	47.95	48.24	48.53	48.90	49.74	46.75	46.56	47.73	48.60	48.95	49.42	.....
11	47.95	48.28	48.53	48.90	49.82	46.78	46.58	47.62	48.57	48.98	49.42	.....
12	47.95	48.28	48.53	48.90	49.82	46.84	46.62	47.62	48.57	49.06	49.43	.....
13	47.95	48.29	48.53	48.90	49.82	46.79	46.78	47.63	48.52	49.12	49.44	.....
14	47.96	48.29	48.53	49.00	49.82	46.70	46.79	47.84	48.52	49.12	49.46	.....
15	47.97	48.29	48.53	49.00	49.82	46.70	46.79	47.97	48.55	49.16	49.46	.....
16	47.98	48.30	48.54	49.00	49.82	46.84	46.79	47.84	48.52	49.16	.....	.....
17	47.99	48.30	48.60	49.10	49.65	45.75	46.80	47.96	48.52	49.17	.....	49.92
18	48.00	48.30	48.61	49.13	49.65	46.72	46.80	47.90	48.50	49.17	.....	.....
19	48.01	48.30	48.61	49.19	49.50	46.85	46.89	47.90	48.48	49.19	.....	.....
20	48.12	48.33	48.63	49.29	49.27	46.84	46.97	47.96	48.47	49.19	.....	49.86
21	48.11	48.33	48.62	49.28	48.94	46.69	47.11	48.09	48.47	49.19	.....	49.86
22	48.10	48.34	48.62	49.31	48.74	46.69	47.00	48.07	48.46	49.22	.....	49.86
23	48.10	48.35	48.64	49.28	48.35	46.69	47.03	48.06	48.46	49.24	.....	49.90
24	48.10	48.35	48.64	49.32	48.15	46.61	46.99	48.06	48.46	49.35	.....	49.89
25	48.10	48.37	48.64	49.35	47.94	46.63	46.99	48.05	48.46	49.30	.....	49.97
26	48.10	48.37	48.64	49.31	47.79	46.63	46.99	48.04	48.46	49.31	.....	49.93
27	48.10	48.37	48.64	49.38	47.63	46.63	47.00	48.04	48.46	49.31	.....	49.95
28	48.11	48.37	48.65	49.40	47.53	46.63	47.00	48.11	48.47	49.31	.....	49.94
29	48.11	48.37	48.67	49.52	47.38	46.62	46.99	48.17	48.46	49.30	.....	49.94
30	48.11		48.67	49.45	47.30	46.62	46.99	48.17	48.46	49.31	.....	49.94
31	48.11		48.69		47.21		47.11	48.20		49.32		49.94

Daily highest water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.94	50.18	50.50	51.21	51.65	52.35	53.30	54.05	54.34	54.94	55.25	55.53
2	49.94	50.18	50.50	51.17	51.64	52.33	53.40	53.94	54.35	54.94	55.41	55.54
3	49.95	50.19	50.49	51.16	51.63	52.33	53.50	53.86	54.60	54.95	55.31	55.54
4	50.00	50.19	50.49	51.16	51.63	52.23	53.52	53.87	54.45	54.95	55.31	55.70
5	50.04	50.20	50.49	51.16	51.64	52.34	53.50	53.82	54.49	55.35	55.36	55.73
6	50.04	50.21	50.50	51.55	51.60	52.20	53.42	53.86	54.64	55.06	55.34	55.74
7	50.04	50.22	50.50	51.32	51.60	52.19	53.42	53.83	54.70	.....	55.34	55.62
8	50.03	50.23	50.52	51.43	51.60	52.19	53.35	53.84	54.65	.....	55.33	55.62
9	50.03	50.24	50.52	51.36	51.68	52.19	53.35	53.84	54.75	.....	55.34	55.62
10	50.04	50.25	50.52	51.45	51.66	52.18	53.46	53.84	54.66	.....	55.35	55.62
11	50.04	50.25	50.52	51.38	51.66	52.25	53.35	53.94	54.84	.....	55.36	55.62
12	50.05	50.25	50.53	51.38	51.69	52.27	53.35	53.93	54.61	.....	55.37	55.63
13	50.05	50.26	50.54	51.38	51.68	52.76	53.35	54.02	54.60	55.08	55.38	55.64
14	50.06	50.30	50.55	51.38	51.70	52.52	53.24	54.02	54.63	55.13	55.37	55.64
15	50.06	50.30	50.59	51.53	51.70	52.75	53.24	54.40	54.61	55.12	55.38	55.64
16	50.06	50.30	50.66	51.52	51.77	52.68	53.24	54.13	54.71	55.12	55.38	55.64
17	50.07	50.56	50.69	51.52	51.78	52.80	53.24	54.21	54.76	55.23	55.40	55.65
18	50.07	50.49	50.69	51.52	51.78	52.72	53.23	54.14	54.82	55.17	55.43	55.65
19	50.08	50.49	50.70	51.52	51.75	52.80	53.23	54.15	54.86	55.23	55.44	55.67
20	50.08	50.50	50.72	51.52	51.78	52.79	53.23	54.15	54.85	55.33	55.64	55.68
21	50.09	50.50	50.84	51.52	51.82	52.70	53.23	54.15	54.90	55.20	55.63	55.68
22	50.09	50.52	50.83	51.52	51.85	52.70	53.23	54.16	54.90	55.20	55.60	55.69
23	50.10	50.53	50.82	51.55	51.85	52.70	53.23	54.19	55.08	55.20	55.52	55.69
24	50.10	50.51	50.83	51.55	51.96	52.82	53.23	54.21	55.08	55.20	55.54	55.70
25	50.12	50.51	50.83	51.55	52.01	52.85	53.23	54.38	55.12	55.23	55.53	55.73
26	50.12	50.52	50.84	51.60	52.05	52.90	53.24	54.42	54.95	55.40	55.52	55.73
27	50.13	50.55	50.87	51.60	51.94	52.93	53.27	54.26	54.94	55.30	55.53	55.73
28	50.14	50.49	50.88	51.64	51.94	52.95	53.27	54.28	54.90	55.27	55.53	55.73
29	50.14	50.48	50.91	51.64	52.04	53.06	53.35	54.28	54.85	55.25	55.54	55.74
30	50.15		51.00	51.64	52.09	53.07	53.35	54.44	55.00	55.25	55.53	55.74
31	50.16		51.05		52.15		53.55	54.46		55.25		55.74

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 74.15 below lsd, Jan. 21, 1952. Records available: 1914, 1936-50, 1952. Jan. 21, 74.15.

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 dry many times in 1952. Records available: 1936-52.

Daily highest water level from recorder graph\*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	74.95	74.55	74.40	(f)	78.28	78.12	(f)
2	74.95	74.44	74.39	(f)	78.21	78.12	(f)
3	74.87	74.43	74.39	(f)	78.15	.....	(f)
4	74.86	74.57	74.45	(f)	78.05	79.41	(f)
5	74.85	74.55	74.45	(f)	77.95	.....	(f)
6	74.85	74.58	74.50	(f)	77.87	80.24	(f)
7	74.75	74.50	74.50	(f)	77.80	.....	(f)
8	74.76	74.50	74.55	(f)	77.70	.....	(f)
9	74.77	74.51	74.40	(f)	77.70	80.23	(f)
10	74.82	74.50	74.40	(f)	77.70	.....	(f)
11	74.75	74.50	74.50	(f)	77.69	.....	(f)
12	74.76	74.50	74.70	(f)	77.53	79.93	(f)
13	74.70	74.50	74.95	(f)	77.50	80.10	(f)
14	74.70	74.52	76.75	(f)	77.50	80.00	(f)
15	74.73	74.54	76.20	(f)	77.73	79.74	(f)
16	74.70	74.50	76.25	80.60	77.95	79.70	(f)
17	74.71	74.46	76.22	(f)	78.20	80.20	(f)
18	74.66	74.43	77.05	(f)	77.90	.....	(f)
19	74.65	74.48	77.57	(f)	77.73	.....	(f)
20	74.68	74.55	78.50	80.60	77.80	.....	(f)
21	74.64	74.51	79.10	80.05	78.05	.....	(f)
22	74.67	74.50	78.25	79.70	78.18	80.54	80.70
23	74.70	74.52	77.45	79.44	78.44	80.40	80.61
24	74.60	74.47	77.29	79.28	78.40	80.68	80.48
25	74.60	74.55	78.02	79.10	78.30	(f)	80.36
26	74.61	74.50	78.01	78.93	78.23	(f)	80.30
27	74.64	74.45	78.35	78.80	78.25	(f)	80.22
28	74.63	74.40	78.83	78.67	78.35	(f)	80.15
29	74.58	74.39	79.60	78.63	78.20	(f)	80.20
30	74.60	.....	.....	78.38	78.12	(f)	(f)
31	74.55	.....	.....	.....	78.12	.....	(f)

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

f Dry.

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 39.40 below lsd, Jan. 25, 1952. Records available: 1938-52. Jan. 25, 39.40.

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 81.39 below lsd, Jan. 21, 1952. Records available: 1936-52. Jan. 21, 81.39.

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 74.89 below lsd, Jan. 28, 1952. Records available: 1914, 1936-52. Jan. 28, 74.89.

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 87.39 below lsd, Jan. 23, 1951. Records available: 1914, 1937-41, 1943-52. Jan. 25, 82.20.

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. Jan. 25, 73.10.

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. Jan. 25, 64.96.

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 48.05 below lsd, Jan. 24, 1952. Records available: 1937-52. Jan. 24, 48.05.

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 68.18 below lsd, Jan. 21, 1952. Records available: 1945-52. Jan. 21, 68.18.

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 74.63 below lsd, Jan. 30, 1952. Records available: 1949-52. Jan. 30, 74.63.

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 68.85 below lsd, Jan. 28, 1952. Records available: 1947-52. Jan. 28, 68.85.

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 70.44 below lsd, Jan. 28, 1952. Records available: 1914, 1934, 1936-52. Jan. 28, 70.44.

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 66.68 below lsd, Jan. 28, 1952. Records available: 1934, 1936-52. Jan. 28, 66.68.

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°46'. 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 70.86 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 70.86.

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 73.95 below lsd, Jan. 28, 1952. Records available: 1937-52. Jan. 28, 73.95.

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 63.72 below lsd, Jan. 30, 1952. Records available: 1914, 1917, 1936-52. Jan. 30, 63.72.

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 90.95 below lsd, Jan. 19, 1951. Records available: 1947-52. Jan. 30, 87.43.

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 89.92 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 89.92.

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 60.97 below lsd, Jan. 22, 1951. Records available: 1936-52. Jan. 31, 59.93.

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 82.49 below lsd, Jan. 30, 1952. Records available: 1938-52. Jan. 30, 82.49.

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 84.04 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 84.04.

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 68.09 below lsd, Jan. 30, 1952. Records available: 1937-43, 1945-52. Jan. 30, 68.09.

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 99.44 below lsd, Jan. 30, 1952. Records available: 1937-42, 1948-50, 1952. Jan. 30, 99.44.
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 115.20 below lsd, Jan. 24, 1943; lowest 125.80 below lsd, Aug. 2, 1951. Records available: 1937-42. Jan. 7, 125.50; Jan. 30, 125.50.
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 89.99 below lsd, Jan. 30, 1952. Records available: 1937-50, 1952. Jan. 30, 89.99.
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, 1936; lowest 48.48 below lsd, Jan. 31, 1952. Records available: 1936-52. Jan. 31, 48.48.
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 58.26 below lsd, Jan. 22, 1951. Records available: 1937-52. Jan. 31, 57.40.
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 73.25 below lsd, Jan. 31, 1952. Records available: 1937-52. Jan. 31, 73.25.
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 66.24 below lsd, Feb. 19, 1950. Records available: 1936-50, 1952. Jan. 30, 65.87.
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 61.08 below lsd, Feb. 16, 1950. Records available: 1947-52. Jan. 28, 60.29.
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 185 feet, casing slotted 10-160. Highest water level 58.79 below lsd, Mar. 11, 1947; lowest 76.36 below lsd, Jan. 30, 1952. Records available: 1947-49, 1951-52. Jan. 30, 76.36.
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 57.30 below lsd, Jan. 25, 1952. Records available: 1945, 1947-52. Jan. 25, 57.30.
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 77.46 below lsd, Jan. 21, 1952. Records available: 1947-52. Jan. 21, 77.46.
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 74.23 below lsd, Jan. 29, 1952. Records available: 1947-49, 1951-52. Jan. 29, 74.23.
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 73.30 below lsd, Feb. 16, 1950. Records available: 1947-52. Jan. 29, 72.43.
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 85.03 below lsd, Jan. 21, 1951. Records available: 1947-49, 1951-52. Jan. 31, 82.94.

Harris County

- 6a. C. H. Burton. Waller. Lat.  $30^{\circ}03'$ , long.  $95^{\circ}55'$ . 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, 1939-52. Feb. 6, 13.58; June 18, 8.14; Sept. 18, 12.90; Dec. 31, 12.09.
11. H. J. Moore. Lat.  $30^{\circ}02'$ , long.  $95^{\circ}52'$ . 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, 1936-52. Feb. 6, 45.59; June 18, 45.72; Sept. 18, 45.79.
14. J. A. Hafner. Lat.  $30^{\circ}03'$ , long.  $95^{\circ}53'$ . 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, 1936-52. Feb. 6, 67.40; June 18, 73.34; Sept. 18, 87.06; Dec. 31, 73.07.
31. R. L. Burton. Lat.  $30^{\circ}02'$ , long.  $95^{\circ}51'$ . 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, 1938-52. Feb. 6, 57.05; June 18, 77.28; Sept. 18, 108.12; Dec. 31, 65.07.
33. W. G. Neeley. Hockley. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}50'$ . 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 45.69 below lsd, Dec. 31, 1952. Records available: 1931-52. Feb. 6, 39.77; June 18, 29.98; Sept. 18, 43.22; Dec. 31, 45.69.
35. Dr. A. N. Boyd. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}49'$ . 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, 1943; lowest 33.80 below lsd, Sept. 17, 1951. Records available: 1931-52. Feb. 6, 32.17; June 18, 27.42; Sept. 18, 31.61; Dec. 31, 31.48.
40. Ira Southard. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}50'$ . 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: 1940-52. Mar. 13, 55.01.
69. W. F. Klenk. Lat.  $30^{\circ}03'$ , long.  $95^{\circ}29'$ . 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 30.39 below lsd, June 26, 1952. Records available: 1911, 1944-52. Feb. 8, 29.42; June 26, 30.39; Sept. 16, 29.44; Dec. 23, 29.75.
70. E. W. Klenk. Lat.  $30^{\circ}03'$ , long.  $95^{\circ}29'$ . Drilled farm artesian well in sand, diameter 3 inches, depth 106 feet. Highest water level 0.30 above lsd, Oct. 3, 1944; lowest 31.15 below lsd, Dec. 23, 1952. Records available: 1938, 1944-52. Feb. 8, 30.17; June 26, 30.41; Sept. 16, 30.76; Dec. 23, 31.15.
95. H. C. Middlestead. Lat.  $30^{\circ}03'$ , long.  $95^{\circ}25'$ . 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, 1939-52. Feb. 8, 24.11; June 26, 21.78; Sept. 16, 23.53; Dec. 23, 24.33.
100. D. D. Mintz. Lat.  $30^{\circ}00'$ , long.  $95^{\circ}27'$ . 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. Feb. 8, 43.56; June 26, 43.57; Sept. 16, 44.29.
104. George Glameyer. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}25'$ . Drilled unused water-table well in sand, diameter 6 inches, depth 45 feet. Highest water level 5.40 below lsd, Jan. 28, 1944; lowest 26.27 below lsd, Nov. 9, 1931. Records available: 1931, 1938-52. Feb. 8, 22.77; June 26, 21.98; Sept. 16, 23.15; Dec. 23, 23.82.
108. R. L. Glazner. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}26'$ . Drilled unused artesian well in sand, diameter 4 inches, depth 358 feet. Highest water level 14.77 below lsd, Apr. 7, 1944; lowest 50.46 below lsd, Dec. 23, 1952. Records available: 1943-52. Feb. 8, 47.90; June 26, 48.74; Sept. 16, 50.15; Dec. 23, 50.46.
134. Ira Southard well 1. Lat.  $29^{\circ}54'$ , long.  $95^{\circ}49'$ . 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 65.55 below lsd, Nov. 15, 1951. Records available: 1931, 1939-52. Mar. 14, 64.50.

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, 1939-52. Mar. 14, 66.48; Nov. 20, 75.08.
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, 1939-52. Mar. 17, 66.05; Dec. 8, 72.88.
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 73.39 below lsd, Dec. 8, 1952. Records available: 1939-52. Dec. 8, 73.39.
157. H. J. Longenbaugh well 2. Lat. 29°55', long. 95°47'. Drilled unused artesian well in sand, diameter 20 to 8 inches, depth 532 feet. Highest water level 30.00 below lsd, Mar. 18, 1942; lowest 50.88 below lsd, Nov. 15, 1951. Records available: 1940-44, 1946, 1948-52. Mar. 18, 47.90. Measurement discontinued.
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 35.2 below lsd, Sept. 17, 1951. Records available: 1931-52. Feb. 6, 24.62; June 18, 27.30.
- 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: 1938-52. Mar. 14, 18.75; Nov. 20, 27.47.
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: 1931-52. Feb. 6, 18.14; June 18, 19.35; Sept. 18, 32.61; Dec. 31, 28.08.
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, 1939-52. Feb. 6, 13.93; June 18, 7.17; Sept. 18, 16.27; Dec. 31, 9.61.
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 53.56 below lsd, Nov. 25, 1952. Records available: 1939-52. Mar. 12, 43.28; Nov. 25, 53.56.
186. T. B. Tucker well 3. Lat. 29°53', long. 95°44'. Drilled irrigation artesian well in sand, diameter 18 to 8 inches, depth 626 feet, screens opposite sands below 100. Highest water level 21.13 below lsd, Mar. 24, 1931; lowest 55.38 below lsd, Nov. 25, 1952. Records available: 1931, 1939-52. Mar. 17, 45.18; Nov. 25, 55.38.
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: 1946-52. Feb. 6, 47.00; June 18, 54.03; Sept. 18, 60.75; Dec. 31, 52.70.
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: 1946-52. Feb. 6, 63.86; June 18, 69.46; Sept. 18, 81.99; Dec. 31, 70.78.
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 0.0 below lsd, Oct. 28, 1944; lowest 101.70 below lsd, Sept. 12, 1952. Records available: 1938-52. Feb. 11, 84.59; June 23, 89.25; Sept. 12, 101.70; Dec. 22, 94.90.
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: 1941-52. Feb. 11, 84.59; June 23, 89.25; Sept. 12, 101.70.
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. No measurement made in 1952.



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 88.04 below lsd, Dec. 22, 1952. Records available: 1946-52. Feb. 11, 81.78; Sept. 12, 86.46; Dec. 22, 88.04.

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: 1946-52. Feb. 8, 53.71; June 20, 54.17; Sept. 15, 53.34; Dec. 18, 52.79.

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 99.15 below lsd, Sept. 15, 1952. Records available: 1944-52. Feb. 8, 85.82; Sept. 15, 99.15; Dec. 18, 94.28.

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, 1937-52. Feb. 8, 20.38; June 20, 24.38; Sept. 15, 25.59.

258. F. M. Corzelius. 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: 1946-52. Feb. 8, 63.17; June 20, 69.24; Sept. 15, 75.23; Dec. 18, 73.40.

264. H. Weary. Lat. 29°58', long. 95°23'. Drilled unused artesian well in sand, diameter 4 inches, depth 1,610 feet, screen 900. Highest water level 3.0 below lsd, May 29, 1931; lowest 78.08 below lsd, Dec. 18, 1952. Records available: 1931-33, 1935-52. Feb. 8, 69.63; June 20, 71.07; Sept. 15, 73.83; Dec. 18, 78.08.

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 70.40 below lsd, Dec. 19, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	64.61	Apr. 24	64.07	July 24	66.33	Oct. 24	69.76
Feb. 25	64.21	May 23	64.44	Aug. 22	67.44	Nov. 24	70.19
Mar. 21	64.11	June 24	65.14	Sept. 24	68.67	Dec. 19	70.40

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 46.38 below lsd, Dec. 19, 1952. Records available: 1939, 1943-52.

Jan. 24	36.74	Apr. 24	38.84	July 24	41.17	Oct. 24	44.68
Feb. 25	37.52	May 23	39.29	Aug. 22	42.04	Nov. 24	45.67
Mar. 21	37.79	June 24	40.38	Sept. 24	43.36	Dec. 19	46.38

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, 1943-52. Feb. 20, 78.15; June 12, 78.05; Sept. 10, 81.34; Dec. 18, 82.69.

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 86.03 below lsd, Dec. 18, 1952. Records available: 1940, 1943-52. Feb. 7, 82.61; June 20, 83.88; Sept. 15, 85.35; Dec. 18, 86.03.

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 64.03 below lsd, Dec. 18, 1952. Records available: 1931, 1943-52. Feb. 8, 60.71; June 20, 62.90; Sept. 15, 63.23; Dec. 18, 64.03.

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 95.95 below lsd, Sept. 15, 1952. Records available: 1939-41, 1943-52. Feb. 8, 91.92; June 19, 92.74; Sept. 15, 95.95.

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: 1943-52. Feb. 8, 12.74; June 20, 11.28; Sept. 15, 13.21; Dec. 18, 13.44.

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 82.40 below lsd, Sept. 15, 1952. Records available: 1945-52. Feb. 8, 79.62; June 20, 80.31; Sept. 15, 82.40.

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 87.49 below lsd, June 12, 1952. Records available: 1931, 1947-52. Feb. 20, 86.57; June 12, 87.49; Sept. 9, 80.90.

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: 1947-52. Feb. 15, 17.13; June 16, 13.59; Sept. 10, 16.57; Dec. 16, 15.13.

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: 1947-52. Feb. 15, 31.14; June 12, 34.39; Sept. 10, 47.99; Dec. 16, 39.90.

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. Mar. 14, 67.71.

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 72.33 below lsd, Nov. 20, 1952. Records available: 1905, 1928, 1931, 1933, 1938-52. Mar. 12, 64.37; Nov. 20, 72.33.

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 77.57 below lsd, Nov. 26, 1952. Records available: 1930, 1938-52. Mar. 13, 66.20; Nov. 26, 77.57.

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: 1939-52. Mar. 11, 64.05.

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 38.39 below lsd, Mar. 17, 1952. Records available: 1931-33, 1939-52. Mar. 17, 38.39; Nov. 25, 38.31.

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, 1939-52. Mar. 12, 57.64; Nov. 26, 71.98.

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 66.77 below lsd, Nov. 16, 1951. Records available: 1933, 1939-52. Mar. 12, 62.07.

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: 1939-52. Mar. 12, 46.33; Nov. 25, 55.75.

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: 1946-52. Feb. 7, 75.12; June 19, 88.55; Sept. 19, 96.27.

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 36.57 below lsd, Dec. 13, 1946; lowest 91.13 below lsd, Sept. 14, 1951. Records available: 1946-52. Feb. 7, 70.61; June 19, 83.54.

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 102.35 below lsd, Sept. 14, 1951. Records available: 1946-52. Feb. 7, 83.10; June 17, 91.70.

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. 27, 1931; lowest 93.82 below lsd, Sept. 18, 1952. Records available: 1931, 1939-52. Feb. 6, 84.66; June 18, 84.00; Sept. 18, 93.82; Dec. 31, 91.80.

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 111.35 below lsd, Sept. 19, 1952. Records available: 1938-52. Feb. 7, 95.05; Sept. 19, 111.35; Dec. 17, 105.0.

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 26.53 below lsd, Mar. 17, 1942; lowest 65.93 below lsd, Nov. 13, 1951. Records available: 1941-52. Mar. 17, 55.85; Nov. 21, 26.66.

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. Feb. 7, 70.22; June 17, 78.04; Sept. 17, 95.69; Dec. 30, 78.59.

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 134.04 below lsd, Oct. 24, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	122.09	Apr. 24	118.10	July 24	124.96	Oct. 24	134.04
Feb. 25	119.05	May 23	119.51	Aug. 21	128.06	Nov. 24	132.66
Mar. 21	118.24	June 24	121.45	Sept. 24	132.14	Dec. 19	131.12

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. No measurement made in 1952.

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: 1931-52. Feb. 6, 11.20; June 18, 7.14; Sept. 19, 15.90; Dec. 31, 4.57.

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: 1937-52. Feb. 6, 13.44; June 18, 10.20; Sept. 19, 15.43; Dec. 31, 3.59.

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, 1943-52. Feb. 14, 88.22; June 19, 84.0; Sept. 11, 74.36; Dec. 17, 75.11.

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 196.02 below lsd, Sept. 16, 1952. Records available: 1931, 1938-41, 1949-52. Feb. 15, 179.3; June 23, 186.25; Sept. 16, 196.02; Dec. 23, 193.23.

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 219.85 below lsd, Sept. 10, 1952. Records available: 1938-52. Feb. 29, 188.00; June 13, 201.41; Sept. 10, 219.85.

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 159.61 below lsd, Sept. 19, 1952. Records available: 1931-52. Feb. 7, 142.27; June 19, 149.14; Sept. 19, 159.61; Dec. 17, 152.77.

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 113.55 below lsd, Sept. 11, 1952. Records available: 1931-52. Feb. 14, 108.34; June 13, 109.27; Sept. 11, 113.55; Dec. 17, 112.74.

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 178.69 below lsd, Oct. 24, 1952. Records available: 1931-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	160.37	Apr. 24	163.54	July 24	170.35	Oct. 24	178.89
Feb. 25	161.42	May 23	165.24	Aug. 21	175.0	Nov. 24	173.40
Mar. 21	162.39	June 24	168.71	Sept. 24	176.87	Dec. 19	171.53

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 129.09 below lsd, Dec. 18, 1952. Records available: 1938-52. Feb. 7, 120.56; June 20, 121.72; Sept. 15, 128.25; Dec. 18, 129.09.

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: 1938-52. June 20, 16.73; Sept. 15, 21.92; Dec. 18, 20.08.

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 195.21 below lsd, Dec. 17, 1952. Records available: 1931-52. Feb. 15, 160.60; June 12, 183.66, nearby well pumped recently; Sept. 10, 196.05, nearby well being pumped; Dec. 17, 195.21.

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 98.48 below lsd, Dec. 16, 1952. Records available: 1931-34, 1938-52. Feb. 20, 95.59; June 12, 96.01; Sept. 10, 96.24; Dec. 16, 98.46.

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 194.14 below lsd, Sept. 10, 1952. Records available: 1946-52. Feb. 20, 185.26; June 12, 187.38; Sept. 10, 194.14.

666a. Houston Foundry & Machine Co. 2005 White St., Houston. Lat. 29°46', long. 95°21'. Drilled unused artesian well in sand, diameter 6 inches, depth 900 feet. Highest water level 71.65 below lsd, Feb. 20, 1939; lowest 137.80 below lsd, Dec. 17, 1952. Records available: 1938-52. Feb. 14, 134.90; June 13, 134.19; Sept. 11, 137.26; Dec. 17, 137.80.

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. Feb. 14, 210.07; June 11, 216.85.

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 193.42 below lsd, Dec. 17, 1952. Records available: 1911, 1931, 1939-52. Feb. 18, 161.52; June 12, 183.96; Sept. 10, 190.85; Dec. 17, 193.42.

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 202.08 below lsd, Dec. 15, 1952. Records available: 1931-52. Feb. 18, 188.90; June 10, 191.14; Sept. 8, 198.23; Dec. 15, 202.08.

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 214.62 below lsd, Dec. 12, 1952. Records available: 1929, 1931-52. Feb. 16, 201.69; June 10, 203.78; Sept. 5, 211.53; Dec. 12, 214.62.

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 228.67 below lsd, Dec. 12, 1952. Records available: 1931-52. June 10, 216.84; Sept. 8, 225.36; Dec. 12, 228.67.

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 188.33 below lsd, Sept. 16, 1952. Records available: 1938-41, 1948-52. Feb. 21, 185.34; June 13, 185.79; Sept. 16, 188.33.

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 132.77 below lsd, Sept. 11, 1952. Records available: 1931, 1938-42, 1949-52. Feb. 26, 122.27; June 13, 126.54; Sept. 11, 132.77; Dec. 17, 131.87.

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 120.80 below lsd, Feb. 26, 1952. Records available: 1936, 1938-52. Feb. 26, 120.80.

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 144.43 below lsd, Sept. 11, 1952. Records available: 1937-42, 1946-52. Feb. 14, 128.85; June 13, 133.54; Sept. 11, 144.43.

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 125.14 below lsd, Sept. 11, 1952. Records available: 1943-52. Feb. 14, 110.30; June 13, 113.26; Sept. 11, 125.14; Dec. 17, 120.73.

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: 1931-52. Feb. 14, 142.25; June 11, 147.44; Sept. 11, 151.85; Dec. 10, 151.86.

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, 1937-52. Feb. 13, 184.88; June 11, 186.78; Sept. 4, 192.44; Dec. 10, 195.07.

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 218.20 below lsd, Dec. 10, 1952. Records available: 1931-52. Feb. 4, 203.50; May 1, 203.06; June 9, 204.50; Sept. 4, 212.29; Dec. 10, 218.20.

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 221.2 below lsd, Nov. 14, 1952. Records available: 1925, 1939, 1941-42, 1945-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	208.9	208.1	208.1	208.0	207.4	208.2	212.0	213.4	214.1	217.5	220.5	220.4
2	208.8	208.1	207.8	208.0	207.5	208.0	212.2	213.3	214.1	217.8	220.5	220.4
3	208.9	208.0	207.8	208.0	207.5	208.1	212.4	213.3	214.3	218.1	220.5	220.5
4	208.8	208.0	207.7	208.2	207.4	208.4	212.5	213.6	214.2	218.0	220.6	220.4
5	208.8	208.0	207.9	208.3	207.4	208.5	212.3	213.5	214.2	218.0	220.7	220.6
6	208.8	207.9	208.1	208.0	207.5	208.8	212.0	213.2	214.2	217.9	220.8	220.4
7	208.5	208.1	208.1	207.9	207.8	209.0	212.0	213.2	214.1	218.2	221.0	220.1
8	208.6	207.9	208.1	207.9	208.1	208.9	212.0	212.9	214.0	218.3	221.0	220.1
9	208.6	208.0	207.8	208.0	208.2	208.4	212.3	212.8	214.6	218.5	220.9	220.2
10	208.9	207.9	207.7	208.0	208.5	209.1	212.5	212.8	214.9	218.6	220.8	220.3
11	208.9	207.7	207.9	208.1	208.5	209.5	212.7	212.5	215.3	218.5	220.9	220.4
12	208.8	207.8	207.8	208.0	208.5	209.7	212.7	212.2	215.4	218.4	220.9	220.5
13	208.6	207.9	207.9	208.0	208.6	210.1	212.6	212.2	215.6	218.4	221.0	220.3
14	208.4	208.1	207.9	207.9	209.0	210.3	212.5	212.0	215.5	218.6	221.2	220.1
15	208.5	208.1	208.1	207.8	209.1	210.1	212.5	212.0	215.6	218.9	221.2	219.9
16	208.6	208.5	207.9	207.8	209.2	210.1	212.6	212.2	215.8	219.0	220.9	219.9
17	208.7	207.9	207.8	207.7	209.3	210.2	212.8	212.2	216.0	219.0	220.8	219.9
18	208.7	207.8	207.7	207.7	209.0	210.5	212.8	212.3	216.2	219.1	220.7	219.9
19	208.7	207.8	207.9	207.6	208.9	210.8	212.8	212.4	216.4	218.9	220.8	219.9
20	208.4	207.8	208.0	207.5	208.9	210.9	212.8	212.8	216.6	218.8	220.8	220.0
21	208.3	208.0	208.1	207.3	208.9	211.1	212.7	213.7	216.4	219.0	220.9	219.7
22	208.4	207.9	208.1	207.1	209.0	211.2	212.7	213.3	216.4	219.3	221.0	219.5
23	208.7	207.9	208.1	207.1	209.1	211.1	212.9	213.4	216.5	219.5	220.8	219.8
24	208.7	207.8	207.9	207.3	209.1	211.5	213.4	213.5	216.8	219.8	220.6	220.0
25	208.5	207.7	208.0	207.3	209.0	211.5	213.5	213.5	217.1	219.7	220.7	219.6
26	208.5	208.0	208.0	207.4	209.0	211.7	213.5	213.6	217.2	219.6	221.0	219.3
27	208.4	208.1	208.3	207.3	208.8	211.9	213.3	213.7	217.2	219.4	221.1	219.1
28	208.4	208.1	208.5	207.3	208.7	211.8	213.3	213.9	217.1	219.6	220.9	218.9
29	208.3	208.1	208.4	207.3	208.9	211.8	213.7	214.1	217.1	219.9	220.7	218.6
30	208.3		208.1	207.4	208.8	211.9	213.1	214.3	217.4	220.0	220.5	218.5
31	208.3		208.0		208.5		213.5	214.2		220.2		218.7

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: 1931-52. Feb. 14, 216.50; May 5, 216.20; May 21, 217.24; June 9, 217.42; Sept. 4, 222.48; Dec. 10, 231.98.
- 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 207.26 below lsd, Dec. 10, 1952. Records available: 1937-52. Feb. 13, 193.33; June 11, 194.97; Sept. 4, 203.95; Dec. 10, 207.26.
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 67.75 below lsd, Feb. 5, 1952. Records available: 1931, 1934, 1940-52. Feb. 5, 67.75; June 17, 65.90; Sept. 17, 67.50.
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 187.35 below lsd, Dec. 16, 1952. Records available: 1938-52. Feb. 15, 170.94; June 12, 176.86; Sept. 10, 179.18; Dec. 16, 187.35.
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 97.74 below lsd, Dec. 16, 1952. Records available: 1938-52. Feb. 15, 92.73; June 12, 93.94; Sept. 10, 95.60; Dec. 16, 97.74.
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 190.7 below lsd, Dec. 15, 1952. Records available: 1941, 1943-52. Feb. 18, 183.50; June 10, 171.97; Aug. 31, 187.5; Dec. 15, 190.7.
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 183.26 below lsd, Dec. 15, 1952. Records available: 1941, 1943-52. Feb. 18, 175.90; June 10, 166.38; Sept. 9, 178.74; Dec. 15, 183.26.
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 141.20 below lsd, Dec. 15, 1952. Records available: 1943-52. Feb. 18, 131.34; June 12, 130.67; Sept. 9, 137.08; Dec. 15, 141.20.
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, 1943-52. Feb. 15, 102.60; Sept. 10, 118.93; Dec. 16, 108.28.
- 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 176.70 below lsd, Dec. 11, 1952. Records available: 1947-52. Feb. 19, 170.12; May 9, 172.93; June 9, 171.35; Sept. 5, 173.10; Dec. 11, 176.70.
- 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 179.90 below lsd, Dec. 11, 1952. Records available: 1947-52. Feb. 19, 174.68; May 9, 176.62; June 9, 175.40; Sept. 5, 177.93; Dec. 11, 179.90.
- 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 180.58 below lsd, Dec. 11, 1952. Records available: 1947-52. Feb. 19, 173.80; May 9, 173.42; June 9, 169.50; Sept. 5, 178.20; Dec. 11, 180.58.
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, 1940-52. Feb. 19, 136.12; May 1, 134.05; June 16, 144.48; Dec. 11, 127.38.
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. Feb. 12, 148.97; June 16, 149.05; Dec. 11, 154.98.

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 140.70 below lsd, Dec. 11, 1952. Records available: 1940, 1944-52. Feb. 12, 136.62; May 2, 135.90; June 16, 135.42; Dec. 11, 140.70.

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 266.01 below lsd, Dec. 6, 1951. Records available: 1937, 1939-52. Feb. 19, 266.02, nearby well being pumped; May 20, 258.95, nearby well being pumped; June 10, 265.78, nearby well being pumped.

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 285.0 below lsd, Nov. 26, 1952. Records available: 1924, 1937-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	262.1	264.3	266.7	268.2	267.3	262.0	268.2	271.9	276.7	275.3	283.8	283.7
2	262.5	264.2	266.6	268.3	267.2	262.5	268.5	272.1	277.0	275.1	284.0	283.7
3	262.8	264.2	266.6	268.2	266.7	263.3	269.1	272.1	277.2	275.4	283.9	284.0
4	262.8	264.5	266.9	268.2	264.1	264.1	268.2	271.8	276.8	275.4	283.8	283.6
5	263.0	264.8	267.0	268.7	266.0	264.4	266.7	271.7	276.9	275.8	283.8	282.9
6	263.3	265.1	266.9	268.2	265.8	264.4	265.5	272.0	276.7	275.7	283.8	282.2
7	263.3	265.2	267.0	268.4	265.4	264.5	264.6	272.6	276.5	276.3	284.1	281.5
8	263.7	265.4	267.3	268.5	.....	264.3	264.7	272.8	276.3	276.8	284.2	281.2
9	263.9	265.6	267.6	268.4	.....	264.4	265.2	272.9	275.7	277.1	284.2	281.2
10	264.6	265.8	267.5	268.2	265.1	264.6	265.7	273.0	275.3	277.1	284.3	281.4
11	264.8	265.7	267.8	268.1	265.4	264.9	266.0	273.0	274.8	277.6	284.2	282.1
12	265.0	265.7	267.7	267.7	265.5	265.2	267.2	273.5	274.8	277.6	284.3	282.3
13	264.8	265.8	268.0	267.9	265.2	265.6	267.9	273.8	274.7	277.2	284.1	283.1
14	264.5	266.1	267.9	267.9	264.3	266.0	268.5	274.0	274.3	277.6	289.3	283.8
15	264.4	266.2	268.0	268.0	262.6	266.7	268.9	274.5	274.0	277.6	284.3	284.3
16	264.5	266.3	268.3	268.0	262.0	266.8	269.0	274.7	274.2	277.7	284.5	284.5
17	264.6	266.2	268.2	268.1	262.1	266.5	269.2	274.9	274.5	277.4	284.7	284.5
18	264.6	266.1	268.2	268.1	262.5	267.2	269.2	275.1	274.5	277.9	284.6	284.4
19	264.6	266.2	268.4	268.2	262.6	267.4	269.4	.....	274.8	277.9	284.7	284.6
20	264.7	266.0	268.4	268.0	263.0	267.2	269.1	.....	275.1	.....	284.7	284.9
21	264.3	266.1	268.6	267.9	263.3	267.4	269.2	.....	275.2	.....	284.6	285.0
22	264.1	266.1	268.6	267.9	263.2	267.8	269.4	.....	275.3	282.4	284.6	284.4
23	264.2	266.1	268.6	267.9	263.6	268.0	269.6	.....	275.5	282.1	284.4	283.4
24	264.4	266.1	268.4	267.8	263.9	268.2	269.8	.....	275.2	282.1	284.3	282.8
25	264.4	266.1	268.2	267.3	264.1	268.1	270.1	.....	274.3	282.3	284.4	282.8
26	264.3	266.2	268.2	266.9	264.0	268.3	270.4	.....	273.6	282.2	285.0	281.5
27	264.6	266.4	268.4	266.3	264.2	268.3	270.5	275.0	273.3	282.3	284.3	280.9
28	264.6	266.6	268.7	266.2	263.9	268.5	270.5	275.5	273.6	282.5	284.7	280.8
29	264.7	266.6	268.7	266.2	263.3	268.3	271.3	276.2	274.2	282.9	284.3	280.7
30	264.6	.....	268.5	266.7	262.8	268.4	272.3	275.9	274.6	283.1	283.9	280.6
31	264.4	.....	268.3	.....	262.4	.....	272.0	276.1	.....	283.2	.....	281.3

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 270 below lsd, Nov. 2, Dec. 4, 1951. Records available: 1931-51. No measurement made in 1952.

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, 1945-52. Feb. 19, 278.20; May 21, 269.14; June 9, 269.93; Sept. 5, 288.43; Dec. 11, 296.65.

1182. Port Terminal Railroad Co. Lat. 29°43', long. 95°12'. Drilled unused artesian well in sand, diameter 6 inches, depth 700 feet, screen 675-715. Highest water level 108.00 below lsd, July 1, 1939; lowest 304.64 below lsd, Dec. 12, 1952. Records available: 1939-52. Feb. 19, 289.09; May 1, 289.67; May 21, 275.92; June 9, 276.96; Sept. 5, 297.37; Dec. 12, 304.64.

1206. 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 168.27 below lsd, Dec. 10, 1952. Records available: 1940-52. Feb. 13, 160.48; June 11, 164.00; Sept. 4, 165.50; Dec. 10, 168.27.

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 231.74 below lsd, Dec. 19, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	217.19	Apr. 24	220.96	July 24	221.45	Oct. 24	228.91
Feb. 25	218.90	May 23	221.28	Aug. 21	224.27	Nov. 24	230.35
Mar. 21	219.39	June 24	221.67	Sept. 24	227.16	Dec. 19	231.74

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 249.62 below lsd, Dec. 19, 1952. Records available: 1939-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	233.89	Apr. 24	235.56	July 24	234.77	Oct. 24	248.78
Feb. 25	234.50	May 23	231.57	Aug. 21	242.63	Nov. 24	248.23
Mar. 21	235.91	June 24	233.21	Sept. 24	247.28	Dec. 19	249.62

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 145.17 below lsd, Sept. 11, 1952. Records available: 1941, 1943-52. Feb. 26, 131.75; June 13, 135.35; Sept. 11, 145.17; Dec. 17, 142.6.

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 148.18 below lsd, Dec. 10, 1952. Records available: 1939, 1949-52. Feb. 13, 139.83; June 11, 140.75; Sept. 4, 146.74; Dec. 10, 148.18.

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 129.76 below lsd, Dec. 10, 1952. Records available: 1927, 1935, 1940, 1948-52. Feb. 12, 124.42; Dec. 10, 129.76.

1360. S. Siabara. Lat. 29°32', long. 95°06'. Drilled farm artesian well in sand, diameter 24 to 9 inches, depth 659 feet, screen 547-659. Highest water level 29.47 below lsd, Apr. 3, 1931; lowest 113.57 below lsd, Sept. 13, 1950. Records available: 1931-33, 1936-52. Feb. 12, 99.74. Measurement discontinued.

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 234.19 below lsd, Dec. 10, 1952. Records available: 1941, 1944-52. Feb. 13, 220.98; June 11, 220.52; Sept. 4, 231.10; Dec. 10, 234.19.

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 233.05 below lsd, Dec. 15, 1952. Records available: 1944-46, 1948-52. Feb. 18, 229.40; May 9, 218.76; June 9, 219.64; Sept. 8, 229.15; Dec. 15, 233.05.

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 259.59 below lsd, Dec. 15, 1952. Records available: 1940, 1942-46, 1948-52. Feb. 18, 244.17; May 5, 246.47; May 21, 244.93; June 10, 251.54; Sept. 8, 254.34; Dec. 15, 259.59.

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 159.37 below lsd, Dec. 30, 1952. Records available: 1943-52. Feb. 5, 129.87; June 17, 148.02; Sept. 17, 145.34; Dec. 30, 159.37.

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: 1943-52. Feb. 5, 177.99; Sept. 17, 192.38.

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 258.63 below lsd, Sept. 7, 1951. Records available: 1942-52. May 1, 270.55, nearby well being pumped.



1421. Tennessee Coal & Iron Railroad Co. well 2. Lat.  $29^{\circ}43'$ , long.  $95^{\circ}15'$ . Drilled industrial artesian well in sand, diameter 12 inches, depth 600 feet. Highest water level 138.00 below lsd, Sept. 27, 1943; lowest 256.65 below lsd, Sept. 8, 1952. Records available: 1943-44, 1946-52. Feb. 20, 246.32; Sept. 8, 256.65.

1422. Mission Manufacturing Co. well 1. Lat.  $29^{\circ}48'$ , long.  $95^{\circ}20'$ . Drilled industrial artesian well in sand, diameter 10 inches, depth 530 feet. Highest water level 101.57 below lsd, Jan. 25, 1944; lowest 173.8 below lsd, Dec. 12, 1952. Records available: 1943-52. Feb. 20, 164.67; June 13, 166.42; Dec. 12, 173.8.

1423. Clarence Nelson. Near Hall Rd. Lat.  $29^{\circ}36'$ , long.  $95^{\circ}14'$ . Drilled irrigation artesian well in sand, diameter 20 inches, depth 1,347 feet. Highest water level 117.68 below lsd, Apr. 24, 1946; lowest 189.95 below lsd, Sept. 17, 1952. Records available: 1946-52. Feb. 5, 173.70; Sept. 17, 189.95.

1424. Harris County Water Control & Improvement District No. 3, well 3. Alba and Sue Barnett Sts. Lat.  $29^{\circ}49'$ , long.  $95^{\circ}25'$ . 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: 1946-52. June 13, 181.43; Sept. 10, 200.04; Dec. 16, 195.03.

1503. R. R. Michel test hole O-1. Lat.  $30^{\circ}05'$ , long.  $95^{\circ}37'$ . Drilled observation water-table well in sand, diameter  $1\frac{1}{2}$  inches, depth 41 feet, screen 39-41. Highest water level 26.57 below lsd, Mar. 26, 1945; lowest 38.23 below lsd, Dec. 19, 1952. Records available: 1940-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	37.12	Apr. 24	37.38	Aug. 22	37.84	Oct. 24	38.10
Feb. 11	36.97	May 23	37.39	Sept. 12	37.76	Nov. 24	38.13
24	37.20	June 24	37.52	24	38.00	Dec. 19	38.23
Mar. 21	37.05	July 24	37.64				

1504. Bogs Estate test hole N-1. Near Huffsmith. Lat.  $30^{\circ}07'$ , long.  $95^{\circ}35'$ . Drilled observation water-table well in sand, diameter  $1\frac{1}{2}$  inches, depth 29 feet, screen 27-29. Highest water level 18.49 below lsd, Jan. 31, 1947; lowest 26.51 below lsd, Dec. 19, 1952. Records available: 1940-52.

Jan. 24	26.41	Apr. 24	26.20	Aug. 27	25.72	Oct. 24	26.19
Feb. 11	26.37	May 23	25.75	Sept. 12	25.86	Nov. 24	26.43
25	26.40	June 24	25.42	24	25.97	Dec. 19	26.51
Mar. 21	26.43	July 24	25.45				

1505. Wm. Tautenhahn test hole U-1. Near Westfield. Lat.  $30^{\circ}01'$ , long.  $95^{\circ}24'$ . Drilled observation water-table well in sand, diameter  $1\frac{1}{2}$  inches, depth 21 feet, screen 19-21. Highest water level 5.39 below lsd, Jan. 29, 1947; lowest dry since July 23, 1951. Records available: 1940-52. Jan. 24, dry; Dec. 19, dry; dry for entire year at 20.7.

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. No measurement made in 1952.

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 101.49 below lsd, Sept. 12, 1952. Records available: 1944-52. Feb. 11, 91.25; June 23, 92.45; Sept. 12, 101.49; Dec. 22, 99.54.

#### 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, 1948-52. Mar. 31, 53.62; Aug. 8, 58.22.

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, 1940-52. Sept. 5, 164.07.

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: 1937-52. Mar. 26, 33.38; Aug. 8, 32.95; Sept. 5, 33.50.

528. E. N. Cason. Lat. 29°55', long. 97°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: 1937-52. Mar. 26, 99.09; Aug. 8, 98.76; Sept. 5, 96.63.

529. Nicholas Thiele. Kyle. Lat. 29°59', long. 97°52'. Drilled domestic artesian well in Edwards limestone, diameter 5 inches, depth 372 feet. Land-surface datum is 718.00 feet above msl. Highest water level 127.43 below lsd, June 22, 1938; lowest 158.58 below lsd, May 1, 1948. Records available: 1937-52. Mar. 26, 145.42; Aug. 8, 145.00; Sept. 6, 148.94.

534. J. J. Horton. Buda. Lat. 30°05', long. 97°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: 1937-52. Mar. 27, 142.93; Aug. 8, 138.25; Sept. 6, 138.74.

535. Thomas Yoe. Lat. 30°05', long. 97°48'. Dug unused water-table well in Austin chalk, diameter 28 inches, depth 30 feet. Highest water level 22.66 below lsd, Jan. 29, 1947; lowest 30.12 below lsd, Oct. 3, 1939. Records available: 1937-52. Feb. 1, 26.64; Feb. 26, 26.62; Mar. 24, 26.65; Apr. 24, 26.53. Measurement discontinued.

553. G. M. Jackson. Lat. 29°51', long. 97°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: 1937-52. Mar. 25, 121.17; Aug. 8, 121.47; Sept. 5, 121.37.

#### Hockley County

24. R. Y. Huguen. SW $\frac{1}{4}$  sec. 99, blk. A. Lat. 33°47', long. 102°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 28.19 below lsd, Aug. 16, 1937. Records available: 1937-52. Feb. 1, 25.03.

25a. Walter Weige. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 98, blk. A. Lat. 33°47', long. 102°09'. Drilled irrigation water-table well in sand, depth 90 feet. Highest water level 24.45 below lsd, Mar. 15, 1947; lowest 27.07 below lsd, Feb. 17, 1950. Records available: 1947-50, 1952. Feb. 1, 26.62.

28. Dan Jackson and Paul Whitfield. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 106, blk. A. Lat. 33°47', long. 102°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 38.60 below lsd, Jan. 19, 1951. Records available: 1937-51. No measurement made in 1952.

126. W. M. Alexander. SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 89, blk. A. Lat. 33°45', long. 102°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. Feb. 1, 18.27.

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 106.59 below lsd, Feb. 4, 1952. Records available: 1944-52. Feb. 4, 106.59.

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 111.96 below lsd, Feb. 4, 1952. Records available: 1947-52. Feb. 4, 111.96.

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 46.12 below lsd, Feb. 1, 1952. Records available: 1947-49, 1951-52. Feb. 1, 46.12.

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 150 feet. Highest water level 86.70 below lsd, Mar. 15, 1947; lowest 101.79 below lsd, Feb. 1, 1952. Records available: 1947-52. Feb. 1, 101.79.

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 143.77 below lsd, Feb. 1, 1952. Records available: 1938, 1944-52. Feb. 1, 143.77.

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 79.40 below lsd, Feb. 1, 1952. Records available: 1944-45, 1947-52. Feb. 1, 79.40.

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 87.88 below lsd, Feb. 1, 1952. Records available: 1938, 1947-49, 1951-52. Feb. 1, 87.88.

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 90.46 below lsd, Feb. 4, 1952. Records available: 1944, 1946-52. Feb. 4, 90.46.

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. Feb. 4, 101.02.

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, 1948-52. Jan. 7, 97.94; Feb. 4, 101.80; May 7, 103.72; June 16, 103.81; Aug. 19, 105.14.

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. No measurement made in 1952.

#### Jackson County

6. N. J. Marthljohni. 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 39.63 below lsd, Apr. 3, 1951. Records available: 1934-35, 1938-41, 1946-52. Mar. 25, 39.44.

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 40.97 below lsd, Mar. 25, 1952. Records available: 1936, 1938-42, 1944-52. Mar. 25, 40.97.

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 43.51 below lsd, Mar. 25, 1952. Records available: 1934-36, 1938-52. Mar. 25, 43.51.

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, 1948-52. Mar. 25, 38.82.

64. Wm. Clifford. Lat. 28°58', long. 96°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, 1947-52. Mar. 25, 40.90.

66. S. J. and E. F. Swenson. Lat. 29°02', long. 96°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, 1938-52. Mar. 25, 39.11.

69. A. E. Westhoff. Lat. 29°01', long. 96°37'. Drilled farm artesian well in sand, diameter 4 inches, depth 60 feet. Highest water level 29.0 below lsd, July 27, 1934; lowest 36.15 below lsd, Mar. 25, 1952. Records available: 1934-36, 1938-52. Mar. 25, 36.15.

88. A. E. Westhoff. Lat. 28°53', long. 96°35'. Drilled unused artesian well in sand, diameter 24 to 9 inches, depth 431 feet. Highest water level 15 below lsd, 1909; lowest 37.47 below lsd, Mar. 25, 1952. Records available: 1909, 1934-36, 1938, 1942-52. Mar. 25, 37.47.

103. A. C. Wilbeck. Lat. 29°04', long. 96°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, 1949-52. Mar. 25, 39.86.

105. A. M. Robinson. Lat. 29°06', long. 96°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 39.74 below lsd, Mar. 25, 1952. Records available: 1934, 1942-47, 1949-52. Mar. 25, 39.74.

122. Eli Bell. Lat. 28°56', long. 96°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 32.33 below lsd, Mar. 26, 1952. Records available: 1934, 1942-47, 1949-52. Mar. 26, 32.33.

229. W. A. Utzman. Lat. 28°51', long. 96°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, 1938-52. Mar. 25, 39.35.

230. Royal Dedman. Lat. 28°53', long. 96°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. Mar. 25, 40.52.

313. G. A. Harrison. Lat. 29°00', long. 96°35'. Drilled irrigation artesian well in Lissie formation, diameter 24 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. Mar. 25, 40.36.

318. George Carstien. Lat. 29°07', long. 96°30'. Drilled irrigation artesian well in Lissie formation, diameter 24 to 12 inches, depth 252 feet. Highest water level 29.39 below lsd, Mar. 30, 1944; lowest 37.58 below lsd, Mar. 25, 1952. Records available: 1942-47, 1949-52. Mar. 25, 37.58.

357. A. V. Raplee. Lat. 28°43', long. 96°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 26.28 below lsd, Mar. 27, 1952. Records available: 1942-52. Mar. 27, 26.28.

#### Jim Wells County

193. M. Morales. Lat. 27°38', long. 98°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 28.86 below lsd, Feb. 19, 1951. Records available: 1933, 1935-41, 1943, 1945, 1947-52. Feb. 5, 22.19.

206. Emilio Barrera. Lat. 27°36', long. 98°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, 1947-52. Feb. 5, 56.52.

221. Feliz Perez Cadena. Lat. 27°34', long. 98°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, 1947-52. Feb. 5, 53.97.

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, 1947-52. Feb. 5, 54.60.

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 113.43 below lsd, Oct. 17, 1951. Records available: 1933, 1943-52. Feb. 5, 105.83; Mar. 28, 100.80; July 29, 109.32; Aug. 26, 109.62; Sept. 25, 111.09; Oct. 28, 112.19; Nov. 26, 112.72.

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. No measurement made in 1952.

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, 1947-52. Feb. 5, 84.21.

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 93.16 below lsd, Feb. 19, 1951. Records available: 1947-52. Feb. 5, 92.23.

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 101.55 below lsd, Feb. 19, 1951. Records available: 1933, 1943, 1945, 1949-52. Feb. 5, 98.42.

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 103.72 below lsd, Feb. 5, 1952. Records available: 1933, 1943, 1947, 1949-52. Feb. 5, 103.72.

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 89.07 below lsd, Feb. 5, 1952. Records available: 1932, 1943-44, 1947-52. Feb. 5, 89.07.

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 95.80 below lsd, Feb. 5, 1952. Records available: 1947-52. Feb. 5, 95.80.

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 98.52 below lsd, Feb. 5, 1952. Records available: 1943, 1945-52. Feb. 5, 98.52.

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 96.57 below lsd, Feb. 19, 1951. Records available: 1943, 1945, 1947-51. No measurement made in 1952.

#### 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 84.51 below lsd, Dec. 4, 1952. Records available: 1937-52. Mar. 13, 81.10; Aug. 6, 79.25; Dec. 4, 84.51.

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 38.55 below lsd, Dec. 4, 1952. Records available: 1937-52. Mar. 13, 35.88; Aug. 7, 34.90; Dec. 4, 38.55.

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 43.83 below lsd, Apr. 2, 1946. Records available: 1937-52. Mar. 13, 42.47; Aug. 7, 41.37; Sept. 12, 41.20; Dec. 3, 42.00.

XK-11. J. F. Beidler. Lat. 29°19', long. 100°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 35.39 below lsd, Sept. 12, 1952. Records available: 1937-52. Mar. 13, 32.39; Aug. 7, 31.27; Sept. 12, 35.39.

XK-12. J. F. Beidler. Lat. 29°21', long. 100°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 39.17 below lsd, Sept. 12, 1952. Records available: 1937-52. Mar. 13, 35.43; Aug. 7, 36.17; Sept. 12, 39.17.

XK-13. Howard Roberts. Lat. 29°23', long. 100°41'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 430 feet. Highest water level 57.31 below lsd, Apr. 14, 1949; lowest 72.73 below lsd, June 5, 1945. Records available: 1937-52. Mar. 14, 64.50; Aug. 9, 62.01; Sept. 12, 64.38; Dec. 3, 65.07.

XK-17. Jimmy Lowrance. Lat. 29°19', long. 100°25'. Drilled unused artesian well in Edwards limestone, diameter 8 inches, depth 600 feet. Highest water level 46.92 below lsd, July 23, 1940; lowest 51.51 below lsd, Aug. 12, 1941. Records available: 1937-52. Mar. 13, 50.26; Aug. 7, 50.22; Dec. 3, 50.54.

XK-114. E. Webb. Lat. 29°25', long. 100°25'. Drilled farm artesian well in Edwards limestone, diameter 6 inches. Highest water level 62.02 below lsd, Apr. 14, 1949; lowest 70.64 below lsd, Apr. 2, 1946. Records available: 1937-52. Mar. 14, 70.33; Aug. 8, 66.16.

KK-116. J. D. Harwood. Lat. 29°27', long. 100°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: 1938-52. Mar. 14, 141.55; Aug. 7, 131.92; Dec. 4, 139.09.

KK-170. Nolan & Postell. Lat. 29°25', long. 100°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. Mar. 15, 222.95.

KK-180. N. P. Petersen. Lat. 29°23', long. 100°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, 1950-52. Mar. 15, 176.36; Aug. 7, 178.93; Dec. 4, 179.64.

KK-187. Mrs. G. A. Harrison. Lat. 29°16', long. 100°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 83.80 below lsd, Dec. 4, 1952. Records available: 1938-47, 1949-52. Mar. 13, 82.30; Aug. 7, 83.00; Dec. 4, 83.80.

KK-198. Charley Zinsmeister. Lat. 29°19', long. 100°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: 1938-52. Mar. 13, 45.54; Aug. 7, 44.50; Dec. 3, 45.50.

KK-199. E. Webb. Lat. 29°19', long. 100°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: 1939-52. Mar. 14, 42.29; Aug. 7, 41.30.

#### Kleberg County

8. King Ranch, Cola Blanco well. Lat. 27°36', long. 97°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, 1945-52. Feb. 8, 135.89.

13. King Ranch, Tamales well. Lat. 27°32', long. 98°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 116.07 below lsd, Feb. 8, 1952. Records available: 1932-35, 1938-41, 1943-52. Feb. 8, 116.07; Mar. 28, 108.60; July 29, 109.98; Aug. 26, 110.82; Sept. 25, 111.75; Oct. 28, 111.76; Nov. 26, 112.30.

15. King Ranch, Puertos well. Lat. 27°32', long. 97°59'. Drilled stock artesian well in Goliad sand, diameter 7 inches, depth 567 feet. Land-surface datum is 113.39 feet above msl. Highest water level 39.59 below lsd, Feb. 6, 1934; lowest 111.90 below lsd, Sept. 26, 1952. Records available: 1932-35, 1938-41, 1943-52. Feb. 8, 102.16; Mar. 28, 102.16; July 29, 103.70; Aug. 26, 111.63; Sept. 26, 111.90; Oct. 28, 111.62; Nov. 26, 111.75.

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 132.66 below lsd, Feb. 8, 1952. Records available: 1933-35, 1938-41, 1943-44, 1946-52. Feb. 8, 132.66.

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 116.20 below lsd, Feb. 8, 1952. Records available: 1933-34, 1938-41, 1943-47, 1949-52. Feb. 8, 116.20.

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 125.71 below lsd, Feb. 8, 1952. Records available: 1933-35, 1938-41, 1943-47, 1949-52. Feb. 8, 125.71.

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. Feb. 8, 22.60.

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 146.54 below lsd, Feb. 6, 1952. Records available: 1932, 1943-45, 1949-52. Feb. 6, 146.54.

93. Kingsville city well 1. Lat.  $27^{\circ}31'$ , long.  $97^{\circ}52'$ . 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 163.58 below lsd, Feb. 6, 1952. Records available: 1932-35, 1944-45, 1947-52. Feb. 6, 163.58.

188. J. R. Trussell. Lat.  $27^{\circ}27'$ , long.  $97^{\circ}51'$ . 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, 1943-52. Feb. 8, 128.70.

372. King Ranch, Caesar Pens well. Lat.  $27^{\circ}33'$ , long.  $97^{\circ}50'$ . 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, 1948-52. Feb. 6, 133.80.

374. King Ranch, Palo Marcado well. Lat.  $27^{\circ}31'$ , long.  $97^{\circ}45'$ . 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, 1943-52. Feb. 6, 126.83.

375. King Ranch, Noria Honda well. Lat.  $27^{\circ}31'$ , long.  $97^{\circ}42'$ . 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 51.73 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938, 1940-41, 1943-52. Feb. 6, 51.66.

376. King Ranch, Leoncitas well. Lat.  $27^{\circ}29'$ , long.  $97^{\circ}45'$ . 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 92.39 below lsd, Feb. 6, 1952. Records available: 1933-34, 1943-47, 1949-52. Feb. 6, 92.39.

377. King Ranch, Mesquite well. Lat.  $27^{\circ}29'$ , long.  $97^{\circ}43'$ . 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, 1949-52. Feb. 6, 68.05.

380. King Ranch, Telephone well 1. Lat.  $27^{\circ}28'$ , long.  $97^{\circ}41'$ . 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, 1949-52. Feb. 6, 57.14.

384. King Ranch, Aljibes well. Lat.  $27^{\circ}31'$ , long.  $97^{\circ}37'$ . 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, 1945-52. Feb. 6, 22.08.

385. King Ranch, Palacios well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}38'$ . 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 33.14 below lsd, Feb. 20, 1951. Records available: 1933-35, 1938, 1940-41, 1943, 1945, 1947, 1949-52. Feb. 6, 31.50.

386. King Ranch, Chiltipin well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}35'$ . 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, 1947-52. Feb. 6, 31.60.

436. King Ranch, La Noria Nina well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}44'$ . 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 73.89 below lsd, Feb. 20, 1951. Records available: 1943-47, 1949-52. Feb. 6, 73.87.

437. King Ranch, Las Palmas well. Lat.  $27^{\circ}32'$ , long.  $97^{\circ}40'$ . 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 37.84 below lsd, Feb. 2, 1950. Records available: 1943-45, 1947, 1949-51. No measurement made in 1952.

438. Kingsville city well 5. Lat.  $27^{\circ}31'$ , long.  $97^{\circ}52'$ . 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. Feb. 6, 159.60.

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 74.03 below lsd, Jan. 12, 1951. Records available: 1936-47, 1949-52. Jan. 25, 71.92.
- 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 39.10 below lsd, Sept. 15, 1939. Records available: 1934, 1936-52. Jan. 25, 38.09.
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 32.49 below lsd, Jan. 25, 1952. Records available: 1914, 1937-45, 1947-52. Jan. 25, 32.49.
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 23.45 below lsd, Jan. 12, 1951. Records available: 1934, 1936-44, 1946-47, 1949-52. Jan. 25, 23.05.
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 22.67 below lsd, Jan. 25, 1952. Records available: 1936-42, 1944-52. Jan. 25, 22.67.
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 30.06 below lsd, Jan. 25, 1952. Records available: 1934, 1936-52. Jan. 25, 30.06.
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 46.10 below lsd, Jan. 25, 1952. Records available: 1936-52. Jan. 25, 46.10.
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 30.83 below lsd, Jan. 25, 1952. Records available: 1913, 1936-45, 1947-52. Jan. 25, 30.83.
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 31.87 below lsd, Jan. 25, 1952. Records available: 1936-52. Jan. 25, 31.87.
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 44.49 below lsd, Jan. 25, 1952. Records available: 1936-38, 1943-52. Jan. 25, 44.49.
- 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 39.84 below lsd, Feb. 16, 1950. Records available: 1946-52. Jan. 25, 39.55.
- 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: 1942-52. Jan. 29, 47.57.
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 97.38 below lsd, Jan. 25, 1952. Records available: 1937-38, 1942-52. Jan. 25, 97.38.
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, 1951-52. Jan. 31, 108.75.



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 96.05 below lsd, Jan. 25, 1952. Records available: 1942-49, 1951-52. Jan. 25, 96.05.

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 100.53 below lsd, Jan. 25, 1952. Records available: 1942-49, 1951-52. Jan. 25, 100.53.

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 78.51 below lsd, Jan. 25, 1952. Records available: 1937-50, 1952. Jan. 25, 78.51.

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 106.80 below lsd, Jan. 31, 1952. Records available: 1942-45, 1947-52. Jan. 31, 106.80.

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 97.64 below lsd, Jan. 12, 1951. Records available: 1942-52. Jan. 31, 95.43.

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, 1947-52. Jan. 31, 69.20.

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 77.54 below lsd, June 7, 1938. Records available: 1937-39, 1941-44, 1946-50. No measurement made in 1952.

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, 1944-52. Jan. 19, 35.83.

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, 1946-52. Jan. 29, 94.70.

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, 1946; lowest 78.94 below lsd, Nov. 18, 1940. Records available: 1937-38, 1940-48, 1951-52. Jan. 28, 74.05.

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 78.65 below lsd, Jan. 28, 1952. Records available: 1937-48, 1950-52. Jan. 28, 78.65.

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 45.36 below lsd, Jan. 29, 1952. Records available: 1937, 1947-52. Jan. 29, 45.36.

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 49.19 below lsd, Jan. 29, 1952. Records available: 1937-52. Jan. 29, 49.19.

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 55.10 below lsd, Jan. 29, 1952. Records available: 1937-52. Jan. 29, 55.10.

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. Apr. 9, 8.75; Oct. 7, 11.26.

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, 1948-52. Apr. 9, 26.33.

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, 1948-52. Apr. 9, 26.87; Oct. 7, 30.80.

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, 1948-52. Apr. 9, 31.38; Oct. 7, 32.02.

28. Harvard Ranch. Lat. 30°13', long. 94°57'. Drilled unused artesian well in sand, diameter 8 inches, depth 204 feet. Highest water level 39.45 below lsd, Jan. 25, 1945; lowest 51.51 below lsd, Oct. 7, 1952. Records available: 1945, 1948-52. Apr. 9, 48.44; Oct. 7, 51.51.

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 56.88 below lsd, Oct. 10, 1951. Records available: 1945, 1948-52. Apr. 9, 54.28; Oct. 7, 56.33.

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, 1948-52. Apr. 9, 42.12; Oct. 7, 43.47.

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, 1948-52. Apr. 10, 66.64, Oct. 6, 100.61.

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, 1948-52. Apr. 8, 69.20.

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, 1948-52. Apr. 8, 70.80; Oct. 6, 102.29.

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, 1948-52. Apr. 8, 76.53; Oct. 6, 107.50.

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. No measurement made in 1952.

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, 1948-52. Apr. 8, 70.35; Oct. 6, 81.61.

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, 1948-52. Apr. 8, 70.64; Oct. 6, 100.07.

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, 1948-52. Apr. 9, 42.78; Oct. 7, 56.99.

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, 1948-52. Apr. 9, 36.44; Oct. 7, 54.54.

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 13.56 below lsd, Oct. 6, 1952. Records available: 1944, 1948-52. Apr. 9, 7.26; Oct. 6, 13.56.

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 43.62 below lsd, Oct. 6, 1952. Records available: 1943-44, 1948-52. Apr. 9, 30.06; Oct. 6, 43.62.

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 22.17 below lsd, Oct. 6, 1952. Records available: 1944, 1948-52. Apr. 9, 15.24; Oct. 6, 22.17.

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, 1948-52. Apr. 11, 7.89; Oct. 8, 8.89.

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, 1948-52. Apr. 11, 23.24; Oct. 8, 25.26.

229. V. D. Myers. Lat. 30°01', long. 94°34'. Drilled domestic artesian well in sand, diameter 2½ inches, depth 99 feet, screen 74-79. Highest water level 6.14 below lsd, Apr. 18, 1951; lowest 13.14 below lsd, Oct. 19, 1948. Records available: 1945, 1948-52. Apr. 8, 5.55. Measurement discontinued.

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 12.58 below lsd, Feb. 20, 1948; lowest 17.98 below lsd, Oct. 8, 1952. Records available: 1945, 1948-52. Apr. 8, 15.32; Oct. 8, 17.98.

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 27.34 below lsd, Oct. 8, 1952. Records available: 1945, 1948-52. Apr. 9, 22.19; Oct. 8, 27.34.

#### Lubbock County

35a. A. M. Becton. NE¼SE¼NE¼ 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. 23, 1948; lowest 101.20 below lsd, Mar. 8, 1947. Records available: 1947-51. No measurement made in 1952.

37. Claude H. Dalton. NW¼NW¼ 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, 1939-52. Jan. 25, 89.72.

50a. L. D. Phillips. SE¼NW¼ sec. 7, blk. D7. Lat. 33°42', long. 101°40'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 300 feet. Highest water level 73.50 below lsd, Mar. 6, 1947; lowest 88.20 below lsd, Jan. 26, 1952. Records available: 1947-52. Jan. 28, 88.20.

74a. J. S. George. SW¼SW¼ 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 39.05 below lsd, Jan. 19, 1951. Records available: 1938-47, 1949, 1951. No measurement made in 1952.

75b. J. B. Taylor. NW¼SW¼NE¼ 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 81.00 below lsd, Jan. 31, 1952. Records available: 1947-52. Jan. 31, 81.00.

- 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. Jan. 31, 85.04.
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 53.22 below lsd, Jan. 31, 1952. Records available: 1936-50, 1952. Jan. 31, 53.22.
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 51.66 below lsd, Jan. 19, 1951. Records available: 1947-51. No measurement made in 1952.
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, 1942-52. Jan. 30, 28.19.
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 81.42 below lsd, Jan. 30, 1952. Records available: 1937-41, 1943, 1945, 1947, 1949-52. Jan. 30, 81.42.
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 51.60 below lsd, Jan. 30, 1952. Records available: 1937-52. Jan. 30, 51.60.
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. Jan. 30, 70.39.
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 97.34 below lsd, Jan. 31, 1952. Records available: 1936-39, 1941-52. Jan. 31, 97.34.
- 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. Jan. 31, 93.09.
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. Jan. 31, 89.53.
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 79.05 below lsd, Jan. 31, 1952. Records available: 1936-52. Jan. 31, 79.05.
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 59.35 below lsd, Jan. 31, 1952. Records available: 1947-52. Jan. 31, 59.35.
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 53.63 below lsd, Jan. 30, 1952. Records available: 1937-43, 1945-52. Jan. 30, 53.63.
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 35.48 below lsd, Jan. 30, 1952. Records available: 1937-52. Jan. 30, 35.48.
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 53.64 below lsd, Jan. 31, 1952. Records available: 1937-47, 1949-52. Jan. 31, 53.64.

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 62.46 below lsd, Jan. 26, 1951. Records available: 1936-52. Jan. 30, 62.43.

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 80.10 below lsd, Mar. 3, 1949. Records available: 1937-42, 1944-52. Feb. 1, 79.30.

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 56.70 below lsd, Jan. 28, 1952. Records available: 1937, 1944-52. Jan. 28, 56.70.

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 53.42 below lsd, Jan. 28, 1952. Records available: 1937-50, 1952. Jan. 28, 53.42.

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 59.46 below lsd, Jan. 28, 1952. Records available: 1937-52. Jan. 28, 59.46.

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 39.74 below lsd, Feb. 14, 1950; lowest 47.65 below lsd, Oct. 10, 1939. Records available: 1937-52. Jan. 28, 43.80.

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 64.39 below lsd, Jan. 28, 1952. Records available: 1947-52. Jan. 28, 64.39.

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 68.15 below lsd, Jan. 28, 1952. Records available: 1937, 1939-41, 1943-50, 1952. Jan. 28, 68.15.

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 52.92 below lsd, Feb. 15, 1950. Records available: 1937-52. Feb. 1, 52.90.

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 82.13 below lsd, Jan. 29, 1952. Records available: 1938-45, 1947-52. Jan. 29, 82.13.

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 74.66 below lsd, Jan. 30, 1951. Records available: 1947-51. No measurement made in 1952.

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 71.31 below lsd, Jan. 30, 1951. Records available: 1937, 1939-51. No measurement made in 1952.

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. Jan. 29, 93.03.

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 97.68 below lsd, Jan. 29, 1952. Records available: 1947-52. Jan. 29, 97.68.

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 90.34 below lsd, Jan. 29, 1952. Records available: 1947-52. Jan. 29, 90.34.

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 79.82 below lsd, Jan. 29, 1952. Records available: 1947-52. Jan. 29, 79.82.

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 99.95 below lsd, Jan. 31, 1952. Records available: 1937-39, 1942-52. Jan. 31, 99.95.

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 21.47 below lsd, Jan. 30, 1952. Records available: 1937-47, 1949-52. Jan. 30, 21.47.

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 47.41 below lsd, Jan. 26, 1951. Records available: 1947-49, 1951. No measurement made in 1952.

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 104.91 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 104.91.

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, cased to 290, slotted 89.48 below lsd, Mar. 6, 1947; lowest 106.49 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 106.49.

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 257, slotted below 85. Highest water level 84.36 below lsd, Feb. 18, 1948; lowest 94.87 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 94.87.

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, 1947-52. Jan. 25, 91.24.

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, 1947; lowest 99.34 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 99.34.

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 262 feet, cased to 257, slotted 85-250. Highest water level 84.43 below lsd, Feb. 22, 1944; lowest 100.43 below lsd, Jan. 25, 1952. Records available: 1941, 1944-45, 1947-52. Jan. 25, 100.43.

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 93.13 below lsd, Jan. 25, 1952. Records available: 1941, 1947-52. Jan. 25, 93.13.

514. E. A. Hendrick. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 94, blk. C. Lat. 33°41', long. 101°35'. Drilled irrigation water-table well in sand, depth 245 feet. Highest water level 83.04 below lsd, Mar. 6, 1947; lowest 91.75 below lsd, Jan. 23, 1951. Records available: 1947-51. No measurement made in 1952.

515. E. A. Hendrick. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 94, blk. C. Lat. 33°42', long. 101°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 99.21 below lsd, Jan. 25, 1952. Records available: 1947-52. Jan. 25, 99.21.

528a. Aubrey Pounds. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 127, blk. C. Lat. 33°37', long. 101°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: 1947-52. Jan. 28, 74.51.

560. G. L. Manning. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 39, blk. D7. Lat. 33°40', long. 101°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. Jan. 28, 64.32.

571. H. W. Lasater. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 12, blk. RG. Lat. 33°37', long. 101°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 48.77 below lsd, Feb. 2, 1952. Records available: 1944, 1947-52. Feb. 2, 48.77.

583a. Douglas Pounds. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 160, blk. C. Lat. 33°36', long. 101°38'. Drilled irrigation water-table well in sand. Highest water level 47.86 below lsd, Mar. 11, 1947; lowest 52.15 below lsd, Jan. 28, 1952. Records available: 1947-52. Jan. 28, 52.15.

595. C. C. Sherrod. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 68, blk. A. Lat. 33°36', long. 101°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 66.05 below lsd, Jan. 28, 1952. Records available: 1947-52. Jan. 28, 66.05.

601. Robert S. Collins. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 25, blk. A. Lat. 33°36', long. 101°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 71.66 below lsd, Feb. 9, 1951. Records available: 1947-52. Feb. 1, 70.91.

609. H. M. Kinnard, Jr. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 45, blk. A. Lat. 33°38', long. 101°46'. Drilled irrigation water-table well in sand. Highest water level 36.51 below lsd, Mar. 12, 1947; lowest 46.60 below lsd, Jan. 19, 1951. Records available: 1947-52. Feb. 1, 43.48.

630a. Cecil Brashear. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 61, blk. A. Lat. 33°42', long. 101°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: 1947-52. Jan. 26, 83.69.

650. Elmer Edwards. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 6, blk. D3. Lat. 33°40', long. 101°47'. Drilled irrigation water-table well in sand, depth 180 feet. Highest water level 67.09 below lsd, Mar. 7, 1947; lowest 80.02 below lsd, Jan. 26, 1952. Records available: 1947-52. Jan. 26, 80.02.

690. O. C. Horne. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 1, blk. D4. Lat. 33°38', long. 101°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 53.90 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 53.90.

702. L. E. McMenemy. NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 12, blk. D2. Lat. 33°41', long. 101°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 88.80 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 88.80.

734. E. E. Elliott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 24, blk. JS. Lat. 33°38', long. 101°56'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 158 feet. Highest water level 44.01 below lsd, Mar. 20, 1947; lowest 58.74 below lsd, Jan. 30, 1952. Records available: 1947-52. Jan. 30, 58.74.

766. Lloyd Huffaker. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 3, blk. D6. Lat. 33°35', long. 102°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 93.50 below lsd, Jan. 25, 1951. Records available: 1947-51. No measurement made in 1952.

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 91.30 below lsd, Jan. 25, 1951. Records available: 1947-51. No measurement made in 1952.

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 88.15 below lsd, Jan. 31, 1952. Records available: 1947-52. Jan. 31, 88.15.

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. Jan. 31, 93.70.

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. Jan. 29, 105.09.

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. Jan. 29, 104.19.

839. Plez McMurlen. NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  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, Mar. 16, 1943; lowest 93.38 below lsd, Feb. 1, 1952. Records available: 1942-43, 1945, 1947-52. Feb. 1, 93.38.

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 84.73 below lsd, Feb. 1, 1952. Records available: 1947-52. Feb. 1, 84.73.

853a. Glenn M. 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: 1947-52. Feb. 1, 51.79.

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. Jan. 27, 83.30.

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 81.06 below lsd, Mar. 10, 1947; lowest 96.63 below lsd, Jan. 29, 1952. Records available: 1947-50, 1952. Jan. 29, 96.63.

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 73.34 below lsd, Jan. 23, 1952. Records available: 1947-52. Jan. 28, 73.34.

#### 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. Feb. 2, 62.72.

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. Feb. 2, 61.14.

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, 1949-52. Feb. 2, 3.90.

711. Carl Griffin. SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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, 1949-52. Feb. 2, 16.85.

#### 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 25.64 below lsd, Mar. 27, 1952. Records available: 1938-46, 1948-52. Mar. 27, 25.64.

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 17.93 below lsd, Mar. 27, 1952. Records available: 1934, 1938-46, 1948-52. Mar. 27, 17.93.



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. No measurement made in 1952.

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 251.92 below lsd, Sept. 3, 1952. Records available: 1930, 1934, 1937-45, 1947-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	244.61	Mar. 12	237.49	June 9	236.96	Sept. 3	251.92
Feb. 5	245.63	Apr. 27	237.62	July 2	238.50	Nov. 5	244.44

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 246.0 below lsd, Aug. 25, 1952. Records available: 1930, 1934, 1937-52. Jan. 3, 220.28; Feb. 5, 226.09; Mar. 13, 229.01; Apr. 27, 229.36; June 10, 225.14; Aug. 25, 246.0.

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 236.63 below lsd, Nov. 7, 1952. Records available: 1930, 1934, 1937-38, 1940-52. Jan. 4, 223.01; Feb. 5, 224.62; Mar. 17, 226.93; Apr. 27, 227.61; July 2, 230.15; Aug. 25, 235.01; Nov. 7, 236.63.

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 268.80 below lsd, Sept. 6, 1952. Records available: 1930, 1934, 1937-38, 1940-52.

Jan. 3	259.01	Apr. 27	264.75	Aug. 9	266.26	Nov. 5	268.29
Feb. 5	260.72	June 9	266.02	Sept. 6	268.80	Dec. 22	267.45
Mar. 17	261.63	July 2	264.03				

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 267.09 below lsd, Sept. 3, 1952. Records available: 1930, 1934, 1937-38, 1940-52.

Jan. 3	247.04	Apr. 27	250.47	Aug. 9	254.47	Nov. 5	256.00
Feb. 4	248.57	June 9	249.69	Sept. 3	267.09	Dec. 22	253.90
Mar. 17	260.62	July 2	252.29				

I-4-30. Ray McGlauplin. 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 91.97 below lsd, Sept. 3, 1952. Records available: 1930, 1934, 1937-38, 1940-52.

Jan. 3	81.83	Apr. 27	85.07	Aug. 9	89.18	Nov. 5	90.82
Feb. 4	83.23	June 9	85.49	Sept. 3	91.97	Dec. 22	90.70
Mar. 17	84.16	July 2	88.02				

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 59.31 below lsd, Feb. 23, 1950; lowest 73.52 below lsd, Feb. 4, 1952. Records available: 1937-45, 1947-52.

Jan. 16	67.41	Mar. 13	66.80	June 10	66.54	Aug. 25	72.71
Feb. 4	73.52	Apr. 27	67.15	July 2	68.67	Nov. 6	68.15

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 13.27 below lsd, Dec. 22, 1952. Records available: 1931, 1939-52. Feb. 11, 3.89; June 23, 10.79; Sept. 12, 11.81; Dec. 22, 13.27.

29. Brown Estate. Lat.  $30^{\circ}17'$ , long.  $95^{\circ}27'$ . 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, 1938-52.

Daily highest water level from recorder graph\*

Day	Feb.	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	25.16	25.50	25.86	.....
2	.....	.....	24.79	25.20	25.51	25.87	26.01
3	.....	.....	24.80	25.20	.....	25.89	25.99
4	.....	.....	24.81	25.21	.....	25.91	25.96
5	.....	.....	24.83	25.22	.....	25.90	25.94
6	.....	.....	24.83	25.23	.....	25.91	25.96
7	.....	.....	24.83	25.24	.....	25.93	25.98
8	.....	.....	24.85	25.25	.....	25.93	25.98
9	.....	.....	24.87	25.25	.....	25.85	25.99
10	.....	.....	24.88	25.26	.....	25.87	.....
11	26.30	.....	24.91	25.28	.....	25.94	.....
12	.....	.....	24.92	25.24	.....	25.96	.....
13	.....	.....	.....	25.30	.....	25.96	.....
14	.....	.....	.....	25.32	.....	25.97	.....
15	.....	.....	.....	25.33	.....	25.98	.....
16	.....	.....	24.97	25.33	.....	25.99	.....
17	.....	.....	24.99	25.31	.....	25.90	.....
18	.....	.....	24.99	25.31	.....	25.90	.....
19	.....	.....	25.00	25.37	.....	25.97	.....
20	.....	.....	25.03	25.40	.....	26.00	.....
21	.....	.....	25.05	25.41	.....	26.01	.....
22	.....	.....	25.06	25.42	25.05	26.02	25.95
23	.....	24.40	25.06	25.43	25.76	26.01	25.97
24	.....	.....	25.08	25.45	25.77	25.97	25.97
25	.....	.....	25.10	25.45	25.78	25.98	25.99
26	.....	.....	25.11	25.46	25.79	26.04	26.00
27	.....	.....	25.11	25.47	25.80	26.06	25.99
28	.....	.....	25.12	25.48	25.81	26.04	25.97
29	.....	.....	25.13	25.48	25.84	25.99	25.93
30	.....	24.39	25.14	25.49	25.84	.....	25.76
31	.....	.....	25.15	.....	25.85	.....	25.81

\* No record for January, March, April, May, and July.

45. Blair & Sons. Tamina. Lat.  $30^{\circ}10'$ , long.  $95^{\circ}26'$ . 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, 1938-52. Feb. 11, 15.33; June 23, 14.20; June 30, 14.24; July 31, 14.44; Sept. 12, 14.97; Dec. 22, 15.5.

46. E. W. Castleschouldt. Lat.  $30^{\circ}10'$ , long.  $95^{\circ}27'$ . 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, 1938-52. Feb. 11, 28.52; June 23, 28.94; June 30, 28.88; July 31, 28.83; Sept. 12, 29.03; Dec. 22, 28.90.

57. R. E. Hix and J. W. Bolinghouse. Lat.  $30^{\circ}20'$ , long.  $95^{\circ}28'$ . 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 44.40 below lsd, Oct. 3, 1940. Records available: 1940-52. Feb. 11, 43.32; June 23, 43.97; Sept. 12, 44.14; Dec. 22, 44.33.

140. J. M. Liles, test hole R-2. Lat.  $30^{\circ}19'$ , long.  $95^{\circ}27'$ . Drilled observation water-table well in sand, diameter  $1\frac{1}{4}$  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: 1940-52. Feb. 11, 13.36; June 23, 11.02; Sept. 12, 12.56; Dec. 22, 12.52.

#### Nacogdoches County

18. City of Cushing. Lat.  $31^{\circ}48'$ , long.  $94^{\circ}50'$ . 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, 1948-52.

## 18--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2, 1951	120.76	Dec. 14, 1951	123.25	Apr. 15, 1952	120.50	Sept. 30, 1952	124.05
Sept. 4	125.62	Jan. 15, 1952	122.52	May 20	121.40	Oct. 30	123.49
Oct. 10	122.23	Feb. 14	121.41	July 18	120.64	Nov. 28	124.50
Nov. 16	123.90	Mar. 18	120.67	Aug. 24	122.47	Dec. 17	121.92

113a. Wm. McCruiatian. Lat.  $31^{\circ}41'$ , long.  $94^{\circ}38'$ . 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.

June 27, 1951	93.27	Nov. 16, 1951	99.23	Feb. 14, 1952	95.70	May 20, 1952	95.13
Aug. 2	93.13	Dec. 14	96.93	Mar. 18	97.35	June 26	97.25
Sept. 4	93.64	Jan. 15, 1952	95.13	Apr. 15	94.89	July 18	97.47
Oct. 10	97.64						

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 171.41 below lsd, July 19, 1951. Records available: 1937, 1939-44, 1948-52. July 17, 168.99.

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 171.41 below lsd, July 19, 1951. Records available: 1937, 1939-44, 1948-52. July 17, 166.72.

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 209.70 below lsd, July 15, 1952. Records available: 1943-45, 1948-52. Apr. 17, 201.58; July 15, 209.70.

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 144.94 below lsd, July 15, 1952. Records available: 1940-45, 1948-52. Jan. 8, 132.55; Apr. 30, 141.30; July 15, 144.94.

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 56.95 below lsd, Apr. 17, 1952. Records available: 1940-44, 1948-52. Jan. 8, 56.58; Apr. 17, 56.95.

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 198.38 below lsd, Dec. 13, 1951. Records available: 1941-52. Dec. 13, 1951, 198.38; Apr. 17, 1952, 192.02; Dec. 15, 1952, 195.41.

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 298.0 feet above msl. Highest water level 79.86 below lsd, Oct. 22, 1941; lowest 215.84 below lsd, Dec. 16, 1952. Records available: 1941-52. Apr. 17, 214.02; Dec. 16, 215.84.

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 162.66 below lsd, Dec. 16, 1952. Records available: 1941-52. Jan. 4, 158.66; Apr. 17, 159.02; Dec. 16, 162.66.

Parmer 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, 1949-52. Feb. 2, 114.60.

6. Mrs. K. Hamlin.  $SE\frac{1}{4}NE\frac{1}{4}$  sec. 4, 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, 1948-52. Feb. 1, 156.10.

9. J. T. Coburn. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 11, T. 9 S. Lat. 34°26', long. 102°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 215.06 below lsd, Jan. 21, 1951. Records available: 1937-39, 1948-52. Feb. 1, 211.25.

10. J. M. Gunn. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 28, T. 7 S. Lat. 34°29', long. 102°54'. Drilled farm water-table well in sand, diameter 4 inches, depth 192 feet. Highest water level 166.40 below lsd, Feb. 1, 1952; lowest 169.59 below lsd, Oct. 26, 1937. Records available: 1937-38, 1948-52. Feb. 1, 166.40.

11a. T. J. Hawks. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 8, Davis survey. Lat. 34°42', long. 102°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 121.81 below lsd, Mar. 15, 1948. Records available: 1938-39, 1948-50. No measurement made in 1952.

12. Capitol Syndicate. NE. part of sec. 11, T. 7 S. Lat. 34°32', long. 102°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, 1948-52. Feb. 1, 163.02.

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: 1937-39, 1942-44, 1947-52. Feb. 5, 142.59.

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 113.84 below lsd, Feb. 5, 1952. Records available: 1947-52. Feb. 5, 113.84.

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. Feb. 1, 101.70.

#### Randall County

103. W. H. Bush Estate. SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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, 1946-52. Jan. 9, 9.10.

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, 1946-52. Jan. 12, 50.19.

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: 1938-42, 1946-52. Jan. 17, 110.90.

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, 1947-52. Jan. 9, 92.18.

A2a. City of Amarillo. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 134, blk. 9. Lat. 35°06', long. 102°00'. Drilled observation well in sand, diameter 13 to 10 inches, depth 200 feet, cased to 200, casing perforated bottom 34 feet. Highest water level 106.22 below lsd, July 8, 1948; lowest 131.56 below lsd, Dec. 30, 1952. Records available: 1948-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	126.48	126.10	125.88	126.34	126.83	127.12	.....	128.29	129.12	129.85	130.57	131.24
2	126.48	125.97	125.93	126.29	126.85	127.14	.....	128.31	129.13	129.86	130.63	131.19
3	126.42	126.10	125.95	126.30	126.84	127.15	.....	128.33	129.15	129.86	130.62	131.22
4	126.42	126.07	125.93	126.39	126.84	127.16	.....	128.36	129.18	129.90	130.62	131.29
5	126.43	126.07	125.93	126.40	126.86	127.17	.....	128.38	129.23	129.94	130.66	131.23
6	126.38	126.05	125.95	126.40	126.85	127.20	.....	128.42	129.25	130.00	130.70	131.23
7	126.36	126.03	125.93	126.43	126.89	127.20	.....	128.43	129.27	129.95	130.68	131.27
8	126.38	126.06	125.91	126.45	126.87	127.22	.....	128.47	129.30	130.00	130.75	131.29
9	126.37	126.05	125.91	126.55	126.82	127.23	.....	128.49	129.34	130.02	130.80	131.32
10	126.24	126.05	125.95	126.50	126.86	127.24	.....	128.53	129.34	130.04	130.80	131.25

## A2a--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	126.28	126.02	125.92	126.50	126.84	127.25	127.79	128.56	129.35	130.08	130.83	131.29
12	126.29	126.00	125.95	126.55	126.88	127.26	127.78	128.59	129.36	130.09	130.84	131.34
13	126.25	126.05	125.98	126.62	126.86	127.29	127.78	128.61	129.40	130.12	130.86	131.36
14	126.26	126.03	125.98	126.60	126.89	127.30	127.85	128.62	129.47	130.15	130.88	131.37
15	126.26	126.01	126.00	126.60	126.90	127.29	127.86	128.68	129.46	130.15	130.91	131.38
16	126.24	126.01	125.97	126.65	126.93	127.34	127.90	128.70	129.48	130.18	130.90	131.36
17	126.27	126.01	125.99	126.66	126.92	127.34	127.93	128.73	129.50	130.22	130.97	131.40
18	126.17	125.99	126.07	126.67	126.93	.....	127.97	128.75	129.53	130.23	131.00	131.39
19	126.22	126.00	126.06	126.66	126.95	.....	127.97	128.76	129.54	130.25	131.02	131.41
20	126.17	126.00	126.05	126.70	126.95	.....	128.00	128.80	129.58	130.28	131.00	131.43
21	126.17	125.95	126.09	126.69	126.97	.....	128.04	128.84	129.60	130.30	131.03	131.37
22	126.19	126.00	126.11	126.75	127.00	.....	128.04	128.85	.....	130.34	131.09	131.48
23	126.16	125.95	126.06	126.74	127.00	.....	128.09	128.87	.....	130.35	131.08	131.46
24	126.12	125.97	126.13	126.75	127.03	.....	128.10	128.90	.....	130.35	131.07	131.50
25	126.13	125.97	126.17	126.75	127.00	.....	128.12	128.94	.....	130.41	131.08	131.49
26	126.16	125.97	126.18	126.76	127.02	.....	128.16	128.96	.....	130.43	131.27	131.50
27	126.16	125.90	126.20	126.77	127.05	.....	128.17	128.98	.....	130.47	131.31	131.49
28	126.13	125.90	126.20	126.75	127.06	.....	128.20	129.01	.....	130.45	131.36	131.50
29	126.11	125.95	126.23	126.80	127.05	.....	128.23	129.03	129.81	130.46	131.34	131.53
30	126.11		126.25	126.80	127.13	.....	128.25	129.08	129.82	130.51	131.28	131.56
31	126.09		126.27		127.11		128.29	129.10		130.55		131.55

## 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 93.20 below lsd, Jan. 22, 1952. Records available: 1937, 1943, 1947-52. Jan. 22, 93.20.

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 77.13 below lsd, Jan. 22, 1952; lowest 78.01 below lsd, Dec. 13, 1938. Records available: 1937-52. Jan. 22, 77.13.

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. Jan. 22, 61.83.

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 16 inches, depth 250 feet. Highest water level 62.67 below lsd, Sept. 13, 1937; lowest 74.15 below lsd, Jan. 22, 1952. Records available: 1937-44, 1946-52. Jan. 22, 74.15.

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 66.15 below lsd, Jan. 22, 1952. Records available: 1937, 1943, 1947-50, 1952. Jan. 22, 66.15.

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 65.03 below lsd, Jan. 22, 1952. Records available: 1937-41, 1943, 1946-52. Jan. 22, 65.03.

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 76.37 below lsd, Jan. 22, 1952. Records available: 1947-52. Jan. 22, 76.37.

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 75.10 below lsd, Jan. 23, 1952. Records available: 1947-52. Jan. 23, 75.10.

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 80.00 below lsd, Jan. 23, 1952. Records available: 1934, 1937, 1943, 1945-52. Jan. 23, 80.00.

113. Mrs. G. M. Tucker. NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 198, blk. M9. Lat. 34°37', long. 101°37'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 210 feet. Highest water level 58.46 below lsd, Nov. 30, 1937; lowest 64.14 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1947-52. Jan. 23, 64.14.
115. W. W. Parker. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 164, blk. M9. Lat. 34°38', long. 101°39'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 226 feet. Highest water level 56.78 below lsd, May 28, 1943; lowest 65.28 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1945-52. Jan. 23, 65.28.
119. W. A. Byrd. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 6, blk. RC. Lat. 34°36', long. 101°42'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 50.22 below lsd, May 29, 1943; lowest 57.55 below lsd, Jan. 23, 1952. Records available: 1943, 1947-52. Jan. 23, 57.55.
124. W. C. Watson. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 125, blk. M10. Lat. 34°34', long. 101°34'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 188 feet, cased to 120, slotted below 45. Highest water level 46.91 below lsd, Nov. 26, 1937; lowest 66.14 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1947-49, 1951-52. Jan. 23, 66.14.
127. W. B. Ballard. SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 124, blk. M10. Lat. 34°35', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 197 feet. Highest water level 52.38 below lsd, Nov. 26, 1937; lowest 60.53 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1945-52. Jan. 23, 60.53.
139. E. B. McCrary. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. M15. Lat. 34°34', long. 101°41'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 208 feet. Highest water level 50.30 below lsd, May 29, 1943; lowest 53.12 below lsd, Jan. 23, 1952. Records available: 1943, 1945-52. Jan. 23, 53.12.
165. W. L. Pevehouse. NE. cor. sec. 33, blk. B3. Lat. 34°38', long. 101°30'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 200 feet. Highest water level 78.14 below lsd, Feb. 22, 1945; lowest 83.23 below lsd, Jan. 23, 1952. Records available: 1943, 1945-52. Jan. 23, 83.23.
167. A. J. Harris. NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 116, blk. M10. Lat. 34°37', long. 101°33'. Drilled irrigation water-table well in sand. Highest water level 52.45 below lsd, Nov. 26, 1937; lowest 60.00 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1945-52. Jan. 23, 60.00.
231. L. L. Armor. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 87, blk. B2. Lat. 34°24', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 51.39 below lsd, Nov. 8, 1937; lowest 72.85 below lsd, Jan. 24, 1952. Records available: 1937, 1943-52. Jan. 24, 72.85.
233. L. L. Armor. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 88, blk. B2. Lat. 34°23', long. 101°34'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 203 feet, cased to 203, slotted 75-203. Highest water level 50.85 below lsd, Nov. 8, 1937; lowest 79.85 below lsd, Jan. 24, 1952. Records available: 1937, 1943, 1947-52. Jan. 24, 79.85.
247. R. J. Pool. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 80, blk. B2. Lat. 34°21', long. 101°33'. Drilled irrigation water-table well in sand, diameter 18 to 12 inches, depth 226 feet, slotted casing 20-140. Highest water level 57.34 below lsd, Nov. 9, 1937; lowest 72.30 below lsd, Jan. 24, 1952. Records available: 1937, 1943, 1948-52. Jan. 24, 72.30.
255. Dr. H. H. Hicks. NW. cor. NE $\frac{1}{4}$  sec. 2, blk. B6. Lat. 34°22', long. 101°37'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 200 feet, slotted casing 70-95. Highest water level 40.95 below lsd, Oct. 4, 1937; lowest 57.93 below lsd, Jan. 24, 1952. Records available: 1937-38, 1940-52. Jan. 24, 57.93.
299. E. V. Elkins. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 152, blk. A. Lat. 34°31', long. 101°38'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 101 feet. Highest water level 41.7 below lsd, Nov. 26, 1937; lowest 52.68 below lsd, Jan. 23, 1952. Records available: 1937, 1943, 1945-50, 1952. Jan. 23, 52.68.
302. J. D. Vaughn. SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, blk. W1. Lat. 34°31', long. 101°46'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 233 feet. Highest water level 62.74 below lsd, Apr. 20, 1934; lowest 70.61 below lsd, Jan. 23, 1952. Records available: 1934, 1937, 1939-52. Jan. 23, 70.61.
305. J. L. Cantrell. NW. cor. NE $\frac{1}{4}$  sec. 25, blk. W1. Lat. 34°30', long. 101°44'. Drilled stock water-table well in sand, diameter 6 inches, depth 48 feet. Highest water level 36.72 below lsd, June 11, 1938; lowest 44.00 below lsd, Jan. 23, 1952. Records available: 1937-43, 1945-52. Jan. 23, 44.00.

307. J. S. Vars. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 15, blk. M15. Lat. 34°29', long. 101°42'. Drilled irrigation water-table well in sand, diameter 16 inches, depth 173 feet, slotted casing 41-173. Highest water level 55.23 below lsd, Mar. 14, 1947; lowest 59.58 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 59.58.

310. Clyde Wilkins. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, blk. M15. Lat. 34°30', long. 101°41'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 172 feet, slotted casing 12-172. Highest water level 68.05 below lsd, Mar. 2, 1948; lowest 75.73 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 75.73.

332. W. F. Kerr. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, blk. M13. Lat. 34°25', long. 101°45'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 209 feet, slotted casing to 172. Highest water level 63.49 below lsd, Feb. 3, 1943; lowest 80.38 below lsd, Aug. 16, 1939. Records available: 1937-52. Jan. 22, 80.30.

333. W. A. Snell. NW. cor. NE $\frac{1}{4}$  sec. 37, blk. M13. Lat. 34°24', long. 101°46'. Drilled irrigation water-table well in sand, diameter 18 inches. Highest water level 79.37 below lsd, Mar. 12, 1947; lowest 88.95 below lsd, Jan. 21, 1952. Records available: 1947-52. Jan. 21, 88.95.

359. E. E. Farmway. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 57, blk. M13. Lat. 34°21', long. 101°47'. Drilled irrigation water-table well in sand, diameter 18 inches, depth 220 feet. Highest water level 73.86 below lsd, Dec. 1, 1937; lowest 95.87 below lsd, Jan. 21, 1952. Records available: 1937-52. Jan. 21, 95.87.

368. C. F. Harris. Lat. 34°19', long. 101°44'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 212 feet. Highest water level 73.99 below lsd, May 4, 1936; lowest 98.98 below lsd, Jan. 21, 1952. Records available: 1936-52. Jan. 21, 98.98.

370. Neeley Culp. Lat. 34°19', long. 101°43'. Drilled irrigation water-table well in sand, diameter 26 to 10 inches, depth 348 feet. Highest water level 68.0 below lsd, Apr. 13, 1914; lowest 94.32 below lsd, Jan. 21, 1952. Records available: 1914, 1936-49, 1951-52. Jan. 21, 94.32.

376. H. F. Axtell. SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 52, blk. M14. Lat. 34°21', long. 101°42'. Drilled irrigation water-table well in sand, diameter 15 inches, depth 400 feet, cased to 72. Highest water level 68.6 below lsd, Nov. 3, 1937; lowest 92.81 below lsd, Jan. 24, 1952. Records available: 1937, 1947-52. Jan. 24, 92.81.

383. S. R. Golden. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 54, blk. M14. Lat. 34°18', long. 101°41'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 208 feet. Highest water level 70.71 below lsd, Apr. 18, 1934; lowest 92.93 below lsd, Jan. 24, 1952. Records available: 1914, 1934, 1938-52. Jan. 24, 92.93.

404. Lewis Redmond. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 5, blk. M11. Lat. 34°30', long. 101°54'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 242 feet, cased to 130. Highest water level 102.65 below lsd, May 31, 1943; lowest 108.27 below lsd, Jan. 18, 1951. Records available: 1937, 1943, 1949-51. No measurement made in 1952.

407. Ernest M. Johnson. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 14, blk. K2. Lat. 34°26', long. 101°50'. Drilled irrigation water-table well in sand, diameter 14 inches, depth 229 feet, cased to 229, slotted below 90. Highest water level 91.0 below lsd, Apr. 1937; lowest 120.55 below lsd, Jan. 22, 1952. Records available: 1937, 1944-52. Jan. 22, 120.55.

408. J. A. Ellis. SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 15, blk. K2. Lat. 34°26', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 to 12 inches, depth 202 feet, cased to 202, slotted below 85. Highest water level 86.90 below lsd, Sept. 24, 1937; lowest 102.63 below lsd, Jan. 22, 1952. Records available: 1937, 1948-52. Jan. 22, 102.63.

410. E. E. Cox. SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, blk. K. Lat. 34°24', long. 101°49'. Drilled irrigation water-table well in sand, diameter 16 to 14 inches, depth 167 feet, cased to 160. Highest water level 92.7 below lsd, Sept. 23, 1937; lowest 107.44 below lsd, Jan. 21, 1952. Records available: 1937, 1947-52. Jan. 21, 107.44.

418. O. Milner. NW. cor. sec. 93, blk. M11. Lat. 34°22', long. 101°57'. Drilled irrigation water-table well in sand, diameter 26 inches, depth 210 feet. Highest water level 74.73 below lsd, Oct. 6, 1937; lowest 88.40 below lsd, Jan. 21, 1952. Records available: 1937, 1943, 1946, 1948-52. Jan. 21, 88.40.

421. A. U. Perryman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, blk. K3. Lat. 34°19', long. 101°59'. Drilled irrigation water-table well in sand, diameter 20 inches, depth 240 feet, cased to 230, slotted below 60. Highest water level 59.42 below lsd, Jan. 27, 1943; lowest 74.86 below lsd, Jan. 21, 1952. Records available: 1938-39, 1941-50, 1952. Jan. 21, 74.86.

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. 13, 1947; lowest 109.03 below lsd, Jan. 21, 1952. Records available: 1947-52. Jan. 21, 109.03.
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 125.90 below lsd, Jan. 21, 1952. Records available: 1937, 1948-49, 1951-52. Jan. 21, 125.90.
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 96.72 below lsd, Jan. 21, 1952. Records available: 1947-52. Jan. 21, 96.72.
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 68-203. Highest water level 73.6 below lsd, Dec. 7, 1945; lowest 83.60 below lsd, Jan. 21, 1952. Records available: 1945, 1947-49, 1951-52. Jan. 21, 83.60.
498. J. F. Benefield. SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 99.25 below lsd, Jan. 22, 1952. Records available: 1947-50, 1952. Jan. 22, 99.25.
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 85.85 below lsd, Jan. 22, 1952. Records available: 1945, 1947-52. Jan. 22, 85.85.
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 39.10 below lsd, May 15, 1943; lowest 46.15 below lsd, Feb. 14, 1950. Records available: 1943, 1947-52. Jan. 23, 42.67.
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 42.16 below lsd, Jan. 24, 1952. Records available: 1945, 1947-52. Jan. 24, 42.16.
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 59.81 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 59.81.
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 175 feet, slotted casing 80-140. Highest water level 82.92 below lsd, Mar. 14, 1947; lowest 94.70 below lsd, Jan. 23, 1952. Records available: 1947-52. Jan. 23, 94.70.
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 61.90 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 61.90.
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. Jan. 23, 67.58.
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 78.40 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 78.40.
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 98.65 below lsd, Jan. 21, 1952. Records available: 1945, 1947-52. Jan. 21, 98.65.
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 77.02 below lsd, Jan. 22, 1951. Records available: 1947-52. Jan. 24, 74.95.



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 81.96 below lsd, Jan. 24, 1952. Records available: 1947-52. Jan. 24, 81.96.

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 63.48 below lsd, Jan. 19, 1951. Records available: 1947-52. Jan. 24, 62.28.

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 108.40 below lsd, Jan. 22, 1952. Records available: 1947-49, 1951-52. Jan. 22, 108.40.

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 97.50 below lsd, Jan. 21, 1952. Records available: 1947-52. Jan. 21, 97.50.

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 104.95 below lsd, Jan. 22, 1952. Records available: 1947-52. Jan. 22, 104.95.

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 87.93 below lsd, Jan. 18, 1951. Records available: 1947-49, 1951-52. Jan. 22, 86.94.

#### Terry County

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 84.31 below lsd, Feb. 5, 1952; lowest 97.39 below lsd, June 23, 1937. Records available: 1937-44, 1949-52. Feb. 5, 84.31.

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, 1949-52. Feb. 5, 59.50.

#### 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, 1948-52. Jan. 8, 230.40; Mar. 21, 228.75; Aug. 12, 228.38; Sept. 3, 228.89; Dec. 19, 228.26.

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, 1948-52. Jan. 8, 244.83; Mar. 21, 245.01; Aug. 12, 245.53; Sept. 3, 245.60; Oct. 28, 245.9; Dec. 19, 245.82.

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, 1948-52. Jan. 8, 21.40; Mar. 21, 18.41; Aug. 12, 15.95; Dec. 19, 17.27.

284. Robinson Bros. Lat. 30°23', long. 97°43'. Drilled farm artesian well in Edwards limestone, diameter 5 inches, depth 400 feet. Land-surface datum is 801.07 feet above msl. Highest water level 116.71 below lsd, July 24, 1941; lowest 199.54 below lsd, Aug. 11, 1942. Records available: 1940-46, 1948-52. Jan. 8, 192.70. Measurement discontinued.

322. Carl Wagner. Lat. 30°21', long. 97°41'. Drilled unused artesian well in Edwards limestone, diameter 6 inches, depth 484 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, 1948-52. Jan. 7, 180.51; Mar. 20, 179.31; Aug. 11, 179.59; Sept. 4, 188.50; Dec. 19, 187.9.

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 674.14 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, 1948-52. Jan. 7, 93.95; Mar. 20, 94.39; Aug. 11, 94.73; Sept. 4, 93.60.

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, 1948-52. Jan. 7, 182.57; Mar. 20, 181.20; Aug. 12, 186.93; Sept. 4, 188.38; Dec. 19, 188.47.

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, 1948-52. Jan. 7, 20.21; Mar. 20, 21.24; Aug. 11, 19.96; Dec. 19, 19.62.

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 209.77 below lsd, Aug. 7, 1950; lowest 214.98 below lsd, Nov. 12, 1952. Records available: 1949-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	214.47	214.50	213.99	214.04	207.62	211.92	213.90	214.38	.....	.....	214.65	213.29
2	214.56	214.42	213.97	214.04	208.05	212.12	213.94	214.36	.....	.....	214.65	213.29
3	214.67	214.38	213.97	214.01	208.41	212.30	213.95	214.36	.....	.....	214.66	213.33
4	214.63	214.44	214.09	213.96	208.75	212.48	213.95	214.37	.....	.....	214.73	213.37
5	214.59	214.57	214.28	213.96	208.98	212.49	213.99	214.37	.....	.....	214.38	213.50
6	214.59	214.58	214.35	213.97	209.26	.....	214.00	214.37	.....	.....	214.76	213.54
7	214.42	214.74	214.41	214.00	209.58	.....	214.01	214.37	.....	.....	214.76	213.59
8	214.32	214.71	214.46	214.04	209.89	.....	214.02	214.33	.....	.....	214.77	213.69
9	214.28	214.71	214.34	213.98	210.18	.....	214.12	214.33	.....	.....	214.81	213.79
10	214.31	214.70	214.31	213.45	210.42	.....	214.15	214.31	.....	.....	214.88	213.94
11	214.26	214.65	214.33	213.10	210.90	.....	214.19	214.22	.....	.....	214.93	214.00
12	214.25	214.55	214.35	210.57	211.24	.....	214.19	214.19	.....	.....	214.98	214.04
13	214.15	214.45	214.35	209.81	211.53	.....	214.21	214.19	.....	.....	214.97	214.14
14	214.11	214.37	214.35	209.54	211.74	.....	214.15	214.19	.....	.....	214.90	214.21
15	214.11	214.32	214.35	209.51	211.87	.....	214.15	214.33	.....	214.84	214.81	214.27
16	214.15	214.31	214.38	209.51	212.03	.....	214.15	214.35	.....	214.81	214.74	214.30
17	214.15	214.31	214.20	209.66	212.16	.....	214.17	214.32	214.38	214.79	214.70	214.29
18	214.14	214.33	.....	209.95	212.30	.....	214.18	214.26	214.21	214.79	214.68	214.29
19	214.07	214.32	.....	210.20	.....	212.95	214.23	214.28	214.14	214.80	214.68	214.25
20	214.07	214.33	.....	210.36	.....	212.95	214.26	214.37	.....	214.80	214.65	214.20
21	214.04	214.41	.....	210.41	.....	213.06	210.00	.....	.....	214.86	214.64	214.15
22	214.05	214.41	.....	210.30	212.22	213.22	214.37	.....	.....	214.87	214.65	214.15
23	214.10	214.41	.....	207.80	212.30	213.34	214.40	214.41	.....	214.87	214.45	214.24
24	214.18	214.39	.....	206.85	212.46	213.40	214.45	214.40	.....	214.80	213.91	214.29
25	214.18	214.28	.....	206.51	212.58	213.42	214.36	214.36	.....	214.80	213.78	214.35
26	214.18	214.22	.....	206.44	212.65	213.52	214.41	214.36	.....	214.81	213.75	214.40
27	214.18	214.10	.....	206.42	212.43	213.66	214.35	214.34	.....	214.85	213.75	214.44
28	214.28	214.00	214.20	206.47	212.02	213.77	214.25	214.33	.....	214.77	213.88	214.48
29	214.38	214.00	214.17	206.79	211.87	213.85	214.13	214.38	.....	214.70	213.38	214.50
30	214.43	.....	214.12	207.20	211.84	213.88	214.28	214.32	.....	214.65	213.29	211.69
31	214.47	.....	214.04	.....	211.84	.....	214.38	214.29	.....	214.65	.....	210.56

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 20.18 below lsd, Dec. 22, 1952. Records available: 1940-46, 1948-52. Mar. 21, 18.90; Dec. 22, 20.18.

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 830.09 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, 1948-52. Jan. 8, 40.84; Mar. 21, 39.74; Aug. 12, 41.19; Dec. 22, 41.01.

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, 1941-52.

## 460--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	88.04	May 23	87.73	Aug. 26	87.01	Oct. 23	87.04
Mar. 19	87.82	June 27	87.15	Sept. 4	87.51	Nov. 25	87.51
Apr. 24	88.28	July 28	85.31	22	87.55	Dec. 22	87.55
May 7	87.96						

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: 1937-52.

Feb. 1	18.20	Apr. 24	9.55	July 28	16.57	Oct. 23	16.23
26	15.16	May 23	13.98	Aug. 26	17.44	Nov. 25	13.97
Mar. 24	16.57	June 27	13.85	Sept. 22	13.16	Dec. 22	9.12

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. Mar. 19, 16.03.

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: 1938-52.

Jan. 20	27.05	Apr. 24	22.15	July 28	25.37	Oct. 23	23.99
Feb. 26	27.38	May 23	23.6	Aug. 28	26.71	Nov. 25	23.11
Mar. 24	26.26	June 27	23.30	Sept. 22	22.20	Dec. 22	19.86

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: 1943-52.

Feb. 1	176.62	May 23	177.09	Aug. 26	173.86	Oct. 23	172.50
26	177.35	June 27	175.44	Sept. 4	173.80	Nov. 25	171.72
Mar. 24	177.44	July 28	174.30	22	173.75	Dec. 22	171.35
Apr. 24	178.00						

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, 1948-52. Mar. 19, 221.70; Aug. 11, 220.31; Sept. 4, 220.89; Dec. 22, 210.90.

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 19.90 below lsd, Dec. 22, 1952. Records available: 1937-38, 1941-46, 1948-52.

Feb. 1	17.81	Apr. 24	18.55	July 28	19.07	Oct. 23	19.43
26	18.18	May 23	18.87	Aug. 26	19.27	Nov. 25	19.61
Mar. 24	18.58	June 27	18.95	Sept. 22	19.08	Dec. 22	19.90

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. Mar. 20, 130.07; Sept. 4, 136.43.

## 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 193.21 below lsd, Dec. 5, 1952. Records available: 1929-52. Mar. 11, 188.03; Aug. 6, 188.78; Sept. 8, 189.58; Dec. 5, 193.21.

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 95.61 below lsd, Dec. 5, 1952. Records available: 1929-52. Mar. 11, 94.18; Aug. 6, 92.09; Sept. 8, 94.20; Dec. 5, 95.61.

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 104.20 below lsd, Dec. 5, 1952. Records available: 1929-33, 1935-42, 1944-52. Mar. 12, 97.9; Aug. 6, 100.58; Sept. 10, 103.58; Dec. 5, 104.20.

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 201.0 below lsd, Aug. 6, 1952. Records available: 1939-52. Mar. 13, 187.14; Aug. 6, 201.0; Dec. 5, 189.39.

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 97.05 below lsd, Dec. 5, 1952. Records available: 1939-45, 1947-52. Mar. 13, 95.44; Dec. 5, 97.05.

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 69.79 below lsd, Dec. 27, 1952. Records available: 1929-32, 1934-52.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.05	.....	.....	.....	.....	.....	.....	.....	.....	67.32	68.94	68.78
2	58.05	.....	.....	.....	.....	.....	.....	.....	.....	67.45	69.00	68.78
3	58.04	.....	.....	.....	.....	.....	.....	.....	.....	67.56	69.04	68.75
4	58.05	.....	.....	.....	.....	.....	.....	.....	.....	67.64	69.15	68.74
5	58.09	.....	.....	.....	.....	.....	.....	.....	.....	67.65	69.24	68.78
6	58.14	.....	.....	.....	.....	.....	.....	.....	.....	67.65	69.26	68.75
7	58.15	.....	.....	.....	.....	.....	.....	.....	.....	67.62	69.23	68.71
8	58.17	.....	.....	.....	.....	.....	.....	.....	.....	67.81	69.20	68.71
9	58.99	.....	.....	.....	.....	.....	.....	.....	.....	67.86	69.11	68.73
10	58.22	.....	.....	.....	.....	.....	.....	.....	.....	67.95	69.05	68.77
11	58.30	.....	.....	.....	.....	.....	.....	.....	.....	68.06	69.05	68.87
12	58.40	.....	.....	.....	.....	.....	.....	.....	.....	68.20	69.03	69.04
13	58.46	.....	.....	.....	.....	.....	.....	.....	.....	68.14	69.03	69.04
14	58.50	.....	.....	.....	.....	.....	.....	.....	.....	68.25	68.91	68.04
15	58.59	.....	.....	.....	.....	.....	.....	.....	.....	68.32	68.90	69.04
16	58.64	.....	.....	.....	.....	.....	.....	.....	.....	68.39	69.04	69.08
17	58.68	.....	.....	.....	.....	.....	.....	.....	.....	68.45	69.09	69.14
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.45	69.04	69.18
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.34	69.04	69.13
20	60.25	.....	.....	.....	.....	.....	.....	.....	.....	68.28	69.12	69.20
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.32	69.18	69.29
22	.....	e62.14	.....	.....	.....	.....	.....	66.45	.....	68.30	69.15	69.33
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.34	69.04	69.45
24	.....	.....	e62.10	.....	.....	66.65	.....	.....	.....	68.39	69.03	69.51
25	.....	.....	.....	e62.90	.....	.....	.....	.....	67.15	68.55	69.98	69.60
26	.....	.....	.....	.....	63.70	.....	64.37	.....	.....	68.55	68.98	69.65
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.60	68.99	69.79
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.66	68.92	69.79
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.68	68.86	69.78
30	.....	.....	.....	.....	.....	.....	.....	.....	67.36	68.74	68.80	69.79
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.81	.....	69.74

e Estimated.

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 97.78 below lsd, Dec. 5, 1952. Records available: 1929-52. Mar. 10, 89.98; Aug. 6, 94.00; Sept. 8, 96.36; Dec. 5, 97.78.

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. Aug. 6, 202.45.

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 68.59 below lsd, Dec. 5, 1952. Records available: 1929-52. Mar. 12, 61.20; Aug. 6, 63.78; Sept. 9, 66.94; Dec. 5, 68.59.

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, 1935-52. Mar. 12, 70.76; Aug. 6, 71.04; Dec. 5, 71.40.

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 89.00 below lsd, Dec. 19, 1930. Records available: 1929-44, 1946-52. Aug. 6, 67.10; Dec. 5, 67.37.

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 216.10 below lsd, Dec. 5, 1952. Records available: 1929-34, 1936-38, 1940-44, 1946-52. Mar. 12, 209.52; Aug. 6, 215.38; Dec. 5, 216.10.

H-8-63. Uvalde County Public School. Lat. 29°08', long. 99°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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	38.52	Mar. 26	40.19	June 25	36.81	Sept. 25	41.86
Feb. 22	38.87	Apr. 21	39.32	July 24	39.50	Oct. 22	42.74
Mar. 12	39.61	May 26	38.08	Aug. 22	42.23	Dec. 21	45.69

XU-9. Frank Kirchgraber. Lat. 29°14', long. 100°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 74.13 below lsd, Dec. 5, 1952. Records available: 1937-52. Aug. 6, 71.13; Dec. 5, 74.13.

XU-10. Texas & New Orleans Railroad Co. Cline. Lat. 29°14', long. 100°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 56.40 below lsd, Dec. 5, 1952. Records available: 1937-52. Mar. 13, 51.97; Aug. 6, 53.07; Dec. 5, 56.40.

#### Val Verde County

XV-2. L. A. McNutt. Lat. 29°22', long. 100°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, 1946-52. Aug. 7, 93.87; Sept. 12, 90.69; Dec. 3, 86.15.

XV-3. Patricio Confreres. Lat. 29°22', long. 100°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 42.65 below lsd, Dec. 20, 1951. Records available: 1937-52. Aug. 7, 41.74; Sept. 12, 41.70; Dec. 3, 42.10.

#### Waller County

152. Mr. Meyers. Lat. 30°04', long. 95°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. Feb. 6, dry; June 18, 3.62.

223. T. B. Tucker. Lat. 29°52', long. 95°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 76.20 below lsd, Nov. 25, 1952. Records available: 1931, 1933, 1939-52. Nov. 25, 76.20.

225. L. E. Morrison well 2. Lat. 29°50', long. 95°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: 1940-52. Mar. 14, 78.59; Nov. 25, 93.08.

235. John Cope. Lat. 29°46', long. 95°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, 1939-52. Mar. 13, 72.37; Nov. 25, 74.90.

239. Lyn Hebert. Lat. 29°55', long. 95°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: 1941-52. Mar. 13, 66.15; Nov. 26, 87.35.

240. B. Ray Woods well 3. Lat. 29°47', long. 95°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, 1948-52. Mar. 13, 65.89; Nov. 21, 68.77.

242. Robichaux & Thompson. Lat. 29°50', long. 95°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: 1941-52. Mar. 13, 67.14; Nov. 26, 69.67.

245. G. P. Nelson well 2. Lat. 29°52', long. 95°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: 1941-52. Mar. 13, 67.98; Nov. 26, 75.60.

246. A. E. Thompson well 2. Lat. 29°53', long. 95°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, 1948-52. Mar. 14, 66.07; Nov. 25, 74.81.

247. T. B. Tucker well 5. Lat. 29°51', long. 95°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: 1939-52. Mar. 14, 73.62; Nov. 25, 80.5.

252. J. A. Kimball. Lat. 29°48', long. 95°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: 1940-52. Mar. 12, 75.05; Nov. 20, 79.33.

#### Wharton County

1. Bob Ragsdale. Lat. 29°15', long. 96°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 43.37 below lsd, Mar. 24, 1952. Records available: 1940-47, 1949-52. Mar. 24, 43.37.

8. Lester Glaze. Lat. 29°13', long. 96°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 42.74 below lsd, Mar. 24, 1952. Records available: 1935, 1938-52. Mar. 24, 42.74.

31. H. F. Sharp. Lat. 29°11', long. 96°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. No measurement made in 1952.

32. Harfst Bros. Lat. 29°13', long. 96°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, 1938-52. Mar. 24, 35.71.

33. Harfst Bros. Lat. 29°17', long. 96°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, 1948-52. Mar. 24, 42.74.

66. J. J. Pendegrass. Lat. 29°38', long. 96°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 30.71 below lsd, Mar. 24, 1952. Records available: 1940-52. Mar. 24, 30.71.

81. William J. Corman. Lissie. Lat. 29°33', long. 96°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, 1947-52. Mar. 24, 19.79.

108. City of Wharton well 1. Lat. 29°18', long. 96°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, 1950-52. Mar. 28, 33.82.

109. City of Wharton well 2. Lat. 29°18', long. 96°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 34.50 below lsd, Mar. 26, 1952. Records available: 1934-35, 1937-45, 1947-52. Mar. 26, 34.50.

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 45.71 below lsd, Mar. 26, 1952. Records available: 1942-47, 1950-52. Mar. 26, 45.71.

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 30.47 below lsd, Mar. 24, 1952. Records available: 1934-35, 1938-52. Mar. 24, 30.47.

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, 1949-52. Mar. 26, 28.93.

178. A. Johnson. Lat.  $29^{\circ}05'$ , long.  $96^{\circ}17'$ . 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 23.98 below lsd, Mar. 26, 1952. Records available: 1934-35, 1938-47, 1949-52. Mar. 26, 23.98.

181. C. C. Appling. Lat.  $29^{\circ}05'$ , long.  $96^{\circ}15'$ . 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 31.33 below lsd, Mar. 26, 1952. Records available: 1934-35, 1938-52. Mar. 26, 31.33.

186. Otto Mickelson. Lat.  $29^{\circ}05'$ , long.  $96^{\circ}13'$ . Drilled unused artesian well in Lissie formation, diameter 24 to 10 inches, depth 432 feet. Highest water level 13.73 below lsd, Apr. 12, 1943; lowest 21.85 below lsd, Mar. 26, 1952. Records available: 1935, 1938-52. Mar. 26, 21.85.

209. J. C. Allen. Lat.  $29^{\circ}08'$ , long.  $96^{\circ}10'$ . Drilled unused artesian well in Lissie formation, diameter 24 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, 1949-52. Mar. 26, 16.93.

241. Texas Gulf Sulphur Co. Lat.  $29^{\circ}15'$ , long.  $95^{\circ}54'$ . 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, 1937-52. Mar. 26, 30.10.

#### Williamson County

344. W. O. Garrison. Lat.  $30^{\circ}33'$ , long.  $97^{\circ}41'$ . 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, 1948-52. Jan. 7, 120.84; Apr. 8, 120.91; Aug. 12, 121.53; Sept. 8, 120.32; Dec. 18, 120.63.

346. F. C. Martiness. Lat.  $30^{\circ}34'$ , long.  $97^{\circ}41'$ . 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, 1948-52. Jan. 7, 138.42; Apr. 8, 138.88; Aug. 12, 140.84; Sept. 3, 138.72; Dec. 18, 139.22.

353. Mrs. H. B. Hurt. Lat.  $30^{\circ}36'$ , long.  $97^{\circ}41'$ . 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: 1940-46, 1948-52. Jan. 7, 130.01; Apr. 8, 129.98; Aug. 12, 130.55; Sept. 3, 131.03; Dec. 18, 131.98.

418. Henry Hartman. Lat.  $35^{\circ}36'$ , long.  $97^{\circ}40'$ . 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, 1948-52. Jan. 7, 101.63; Apr. 8, 103.80; Aug. 12, 101.83; Sept. 3, 102.12; Dec. 18, 101.05.

889. T. B. Bailey, Jr. Lat.  $30^{\circ}32'$ , long.  $97^{\circ}41'$ . 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, 1948-52. Apr. 8, 99.08; Aug. 12, 99.55; Dec. 18, 100.97.

Zavala County

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 149.82 below lsd, Aug. 22, 1952. Records available: 1928-33, 1948-52. Aug. 22, 149.82.

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 68.40 below lsd, Dec. 21, 1952. Records available: 1948-52.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	66.43	May 26	67.88	Aug. 22	66.73	Oct. 23	67.58
Feb. 22	66.87	June 25	66.96		22	Nov. 24	68.07
Mar. 26	67.21	July 24	66.44	Sept. 25	67.15	Dec. 21	68.40
Apr. 21	67.49						

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 110.60 below lsd, Aug. 20, 1952. Records available: 1930-34, 1936-46, 1948-52. Aug. 20, 110.60.

M6-16. J. S. Steward. Lat. 28°44', long. 100°02'. Drilled farm water-table well in Carrizo sand, diameter 6 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, 1942-52. Aug. 20, 87.72.

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 91.19 below lsd, Aug. 20, 1952. Records available: 1947-52. Aug. 20, 91.19.

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 82.85 below lsd, Aug. 20, 1952. Records available: 1930-52. Aug. 20, 82.85.

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, 1935-52. Aug. 22, 238.06.

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, 1946-52. Aug. 21, 88.46.

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, 1946-52. Aug. 21, 255.20.

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: 1948-52.

Jan. 24	90.30	Apr. 21	89.94	July 24	90.70	Oct. 23	91.32
Feb. 22	90.79	May 26	90.04	Aug. 22	90.48	Nov. 24	90.89
Mar. 26	91.03	June 25	90.30	Sept. 25	90.85	Dec. 21	91.20

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 249.50 below lsd, Sept. 25, 1952. Records available: 1946-52.

Jan. 24	225.83	Apr. 21	225.99	July 24	246.00	Sept. 25	249.50
Feb. 22	226.32	May 26	235.53	Aug. 21	243.95	Nov. 24	244.28
Mar. 26	229.62	June 25	240.37	22	242.55	Dec. 20	243.07

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 125.37 below lsd, Aug. 21, 1952. Records available: 1947-52. Aug. 21, 125.37.



N5-30. Richie Bros. Lat.  $28^{\circ}42'$ , long.  $99^{\circ}48'$ . 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. No measurement made in 1952.

N5-39. Richie Bros. Lat.  $28^{\circ}42'$ , long.  $99^{\circ}48'$ . 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 feet 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. No measurement made in 1952.

N5-55. Cribbs & Davidson. Lat.  $28^{\circ}40'$ , long.  $99^{\circ}47'$ . 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. No measurement made in 1952.

N5-60. Julius De Winnie. Lat.  $28^{\circ}41'$ , long.  $99^{\circ}45'$ . 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 267.38 below lsd, Aug. 21, 1952. Records available: 1929-32, 1936-41, 1944-45, 1947-52. Aug. 21, 267.38.