

# Ground-Water Levels in the United States 1956-59 South-Central States

*Prepared under the direction of O. M. HACKETT, Chief, Ground Water Branch*

---

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1549

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



**UNITED STATES DEPARTMENT OF THE INTERIOR**

**STEWART L. UDALL, *Secretary***

**GEOLOGICAL SURVEY**

**Thomas B. Nolan, *Director***

## 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:

Luna B. Leopold . . . . . Chief Hydraulic Engineer  
O. M. Hackett . . . . . Chief, Ground Water Branch  
R. T. Sniegocki . . . . . District Geologist (Ground Water), Little Rock, Ark.  
R. R. Meyer . . . . . District Geologist (Ground Water), Baton Rouge, La.  
A. R. Leonard . . . . . District Geologist (Ground Water), Norman, Okla.  
A. G. Winslow . . . . . District Geologist (Ground Water), Austin, Texas



## CONTENTS

---

	Page
Introduction, by O. M. Hackett. . . . .	1
Arkansas, by Joe Edds, J. W. Stephens, and Guy A. Bearden, Jr.. . . . .	3
Louisiana, by A. N. Turcan, Jr., G. T. Cardwell, W. H. Walker, and Alfred H. Harder . . . . .	23
Oklahoma, by Donald L. Hart, Jr. . . . .	71
Texas, by Clarence R. Follett . . . . .	90

---

## ILLUSTRATIONS

---

Figure 1. Outline map of the conterminous United States showing States included in this volume . . . . .	2
2. Location of observation wells in northeastern Arkansas, 1956-59. . . . .	4
3. Location of observation wells in southern Arkansas, 1956-59 . . . . .	5
4. Location of observation wells in northern Louisiana, 1956-59. . . . .	24
5. Location of observation wells in southwestern Louisiana, 1956-59. . . . .	25
6. Location of observation wells in southeastern Louisiana, 1956-59 . . . . .	26
7. Location of observation wells in southeastern Oklahoma, 1956-59 . . . . .	72
8. Location of observation wells in northeastern Oklahoma, 1956-59 . . . . .	73
9. Location of observation wells in northwestern Oklahoma, 1956-59. . . . .	74
10. Location of observation wells in southwestern Oklahoma, 1956-59. . . . .	75
11. Location of observation wells in Oklahoma Panhandle, 1956-59. . . . .	76
12. Location of observation wells in western Texas, 1956-59. . . . .	92
13. Location of observation wells in eastern Texas, 1956-59 . . . . .	93



# GROUND-WATER LEVELS IN THE UNITED STATES

1956-59

## SOUTH-CENTRAL STATES

### INTRODUCTION

By O. M. Hackett

Publication of records of water levels in the United States in the annual series of water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, 5 volumes were issued as Water-Supply Papers 777, 617, 840, 845, and 886. From 1940 through 1955, 6 volumes, each for a separate section of the United States as shown in figure 1, were published annually. The following table gives the numbers of water-supply papers by year and section.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....

The program begun in 1956 provides for the publication of 5 years of record in 1 volume for each geographic section. During a 4-year transitional period, however, 4 of the volumes will not contain 5 years of record, as shown in the following schedule:

North-central:	1956, 1957-61, 1962-66, etc.
Northeastern:	1956-57, 1958-62, 1963-67, etc.
Southeastern:	1956-58, 1959-63, 1964-68, etc.
South-central:	1956-59, 1960-64, 1965-69, etc.
Northwestern:	1956-60, 1961-65, 1966-70, etc.
Southwestern:	1956-60, 1961-65, 1966-70, etc.

Moreover, beginning in 1956, only water-level data from a basic network of observation wells will be published. The minimum basic network provides observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a precise datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. A plus sign (+) is placed before a measurement if the level is above the plane of reference. Measurements of water levels in wells equipped with recording gages are given for every fifth day and the end of each month (eom).

In the collection of water-level data to serve the objectives of the observation-well program, the problem generally is to measure changes in water level accurately, rather than to determine the absolute position of the water surface. Because the measurements are made in many types of wells, under varying conditions of access and at different temperatures, neither the method of measurement nor the equipment can be standardized. At each observation well,

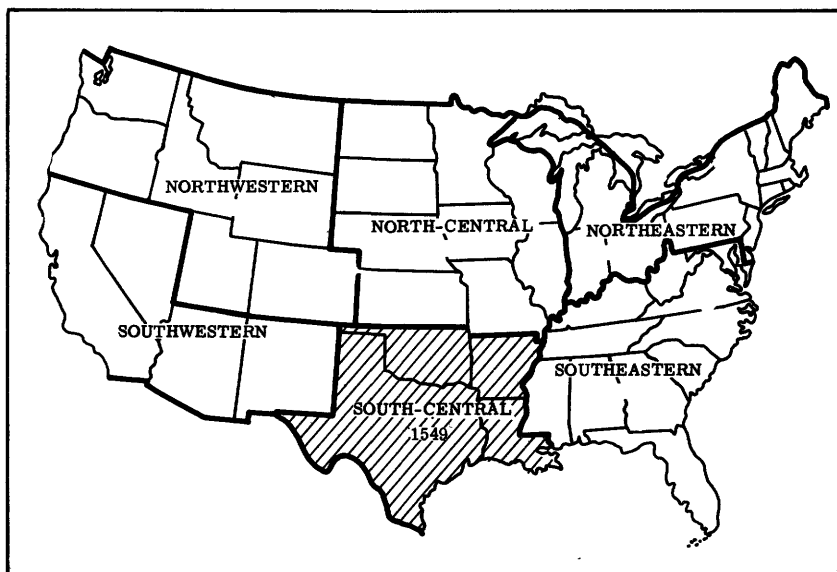


Figure 1.--Outline map of the conterminous United States showing States included in this volume.

however, the best possible combination of measuring technique and equipment is selected, and so long as it is not changed the measurements at each well will be consistent.

Water levels are reported to as many significant figures as can be justified by the local conditions and the end use of the information. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, in view of the principal use to which the data are put, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Measurements were made under the direction of the district supervisors of the Ground Water Branch in the several States.

Joy L. Charbonneau was responsible for the compilation of the report.



## ARKANSAS

By Joe Edds, J. W. Stephens, and Guy A. Bearden, Jr.

The observation-well program in Arkansas was continued in 1956 through 1959 in cooperation with the Arkansas Geological and Conservation Commission, the State Agricultural Experiment Station, and the Federal Land Bank of St. Louis. Special acknowledgment is due Professor Kyle Engler, Head, Department of Agricultural Engineering, University of Arkansas, who assisted in well measurements. Figures 2 and 3 show the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. The first digit of the well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters--a, b, c, and d--indicate the well location within the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, starting in the northeast quarter. Thus, well 2S4W-11dbb1 is the first well listed in the northwest 10-acre tract of the southeast quarter of sec. 11, T. 2 S., R. 4 W.

### Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

#### Arkansas County

2S4W-11dbb1. Louis Radeneck. Drilled irrigation water-table well in deposits of Quaternary age, diam 30 to 9 in, depth 152 ft. Lsd 214.04 ft above msl. MP hole in side of pit casing, 1.00 ft above lsd. Highest water level 88.80 below lsd, Dec. 9, 1953; lowest 93.74 below lsd, July 5, 1955. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9, 1953	88.80	May 27, 1955	90.02	Nov. 14, 1955	90.98	Apr. 18, 1956	89.76
Oct. 25, 1954	91.13	June 6	90.23		28	June 21	91.18
Jan. 17, 1955	89.92	20	90.10	Dec. 15	90.67	Oct. 8	92.20
24	89.91	July 5	93.74	Jan. 3, 1956	90.38	Dec. 11	90.94
Feb. 25	89.90	18	91.72	17	90.97	Mar. 20, 1957	90.23
Mar. 17	89.65	Aug. 1	90.53	30	90.20	Dec. 5	90.62
28	89.73	15	90.80	Feb. 13	89.82	Mar. 18, 1958	89.66
Apr. 11	89.25	Sept. 27	91.30	28	89.94	Apr. 2, 1959	89.37
26	89.24	Oct. 10	91.76	Mar. 26	89.58	Dec. 10	90.61
May 11	89.19	24	91.39				

2S4W-27ccc1. Mrs. John Jackson. Drilled observation water-table well in deposits of Quaternary age, diam 2 in, depth 113 ft, screened 110-113. Lsd 203.14 ft above msl. MP top of pipe, 1.50 ft above lsd. Highest water level 87.02 below lsd, Nov. 12, 1954; lowest 90.52 below lsd, July 14, 1959. Records available: 1954-59.

Aug. 30, 1954	87.82	Apr. 11, 1955	88.19	Sept. 27, 1955	89.23	June 21, 1956	89.20
Sept. 2	88.10	26	88.57	Oct. 10	88.69	Aug. 16	89.27
15	88.04	May 11	88.35	25	89.10	Oct. 8	89.49
Oct. 25	87.74	26	88.10	Nov. 14	89.38	Dec. 11	88.73
Nov. 12	87.02	June 6	88.43	28	89.09	Mar. 20, 1957	88.55
Dec. 2	88.42	20	88.18	Dec. 15	89.23	July 11	89.89
30	87.80	July 6	89.57	Jan. 3, 1956	89.12	Dec. 13	90.25
Jan. 24, 1955	87.50	18	90.09	16	88.73	Mar. 20, 1958	90.36
Feb. 25	88.70	Aug. 1	88.69	Feb. 14	88.58	July 9	90.39
Mar. 8	88.40	15	88.98	28	88.53	Apr. 1, 1959	89.97
12	88.10	29	88.59	Mar. 26	88.95	July 14	90.52
28	88.60	Sept. 12	89.05	Apr. 18	89.41	Dec. 10	90.49

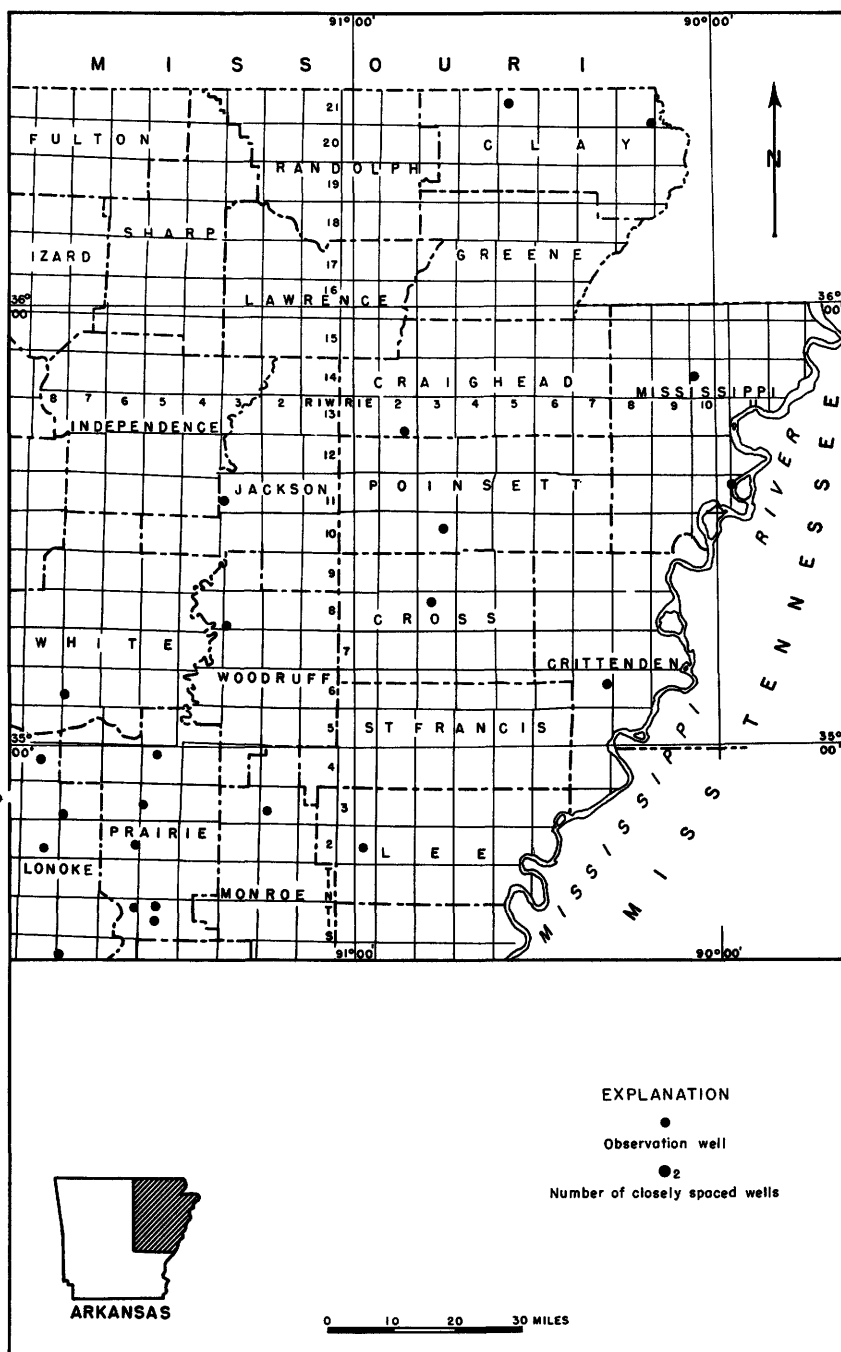


Figure 2. -- Location of observation wells in northeastern Arkansas, 1956-59.

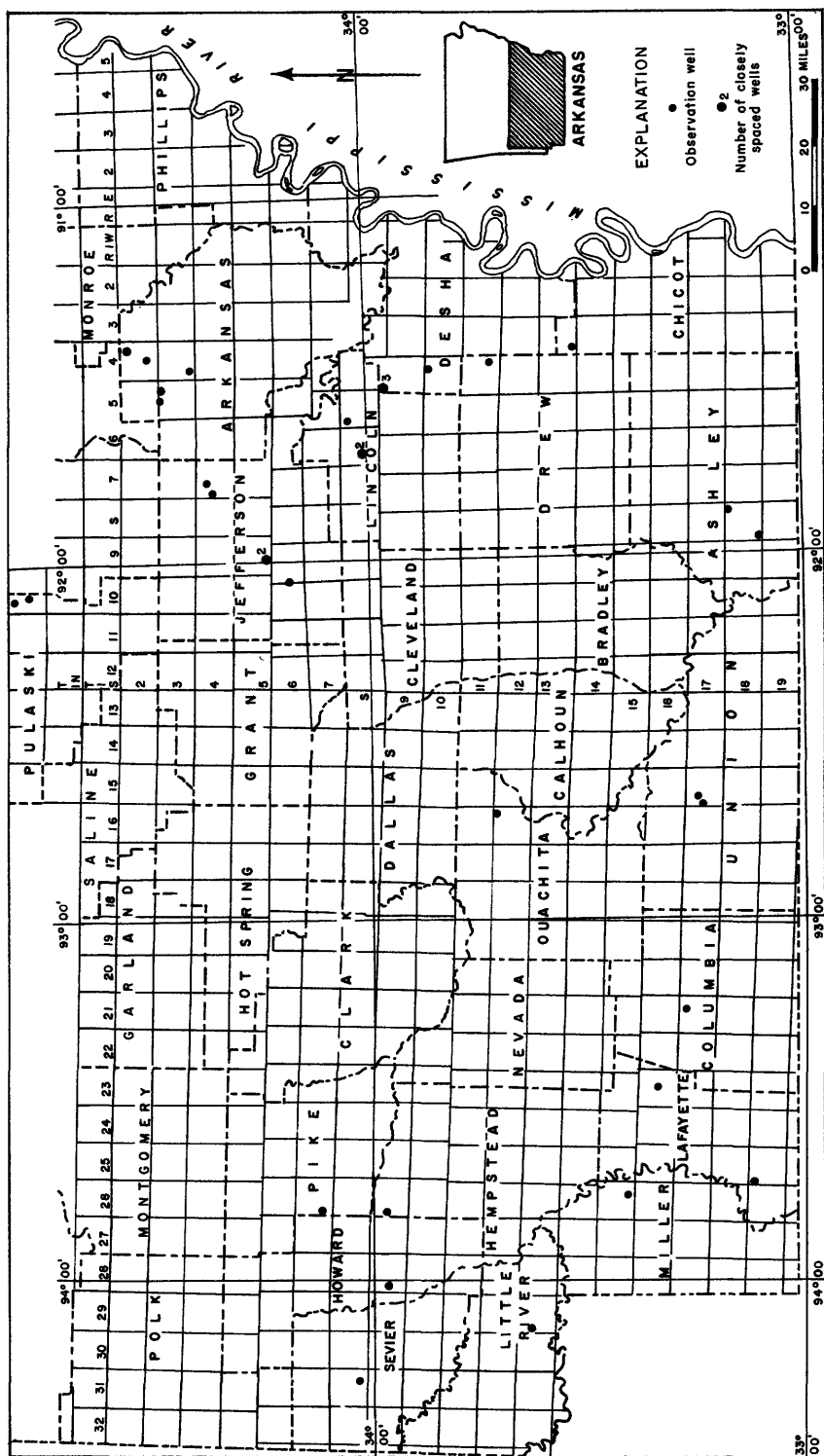


Figure 3. --Location of observation wells in southern Arkansas, 1956-59.

384W-32ccc1. Glen Grandgeorge. Drilled observation water-table well in deposits of Quaternary age, diam 2 in, depth 127 ft, screened 124-127. Lsd 194.00 ft above msl. MP top of pipe, 2.00 ft above lsd. Highest water level 85.14 below lsd, Feb. 25, Apr. 26, 1955; lowest 87.32 below lsd, July 10, 1958. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16, 1954	85.66	May 11, 1955	85.20	Oct. 11, 1955	86.42	June 29, 1956	86.60
Oct. 27	85.76	26	85.38	25	86.39	Aug. 15	86.76
Nov. 12	85.57	June 7	85.46	Nov. 14	86.68	Oct. 8	86.63
Dec. 1	85.67	21	85.36	29	86.70	Dec. 12	85.71
28	85.59	July 6	85.52	Dec. 15	86.96	July 11, 1957	87.08
Jan. 24, 1955	85.36	19	85.68	Jan. 3, 1956	86.61	Jan. 17, 1958	86.99
Feb. 25	85.14	Aug. 1	85.70	17	86.36	Mar. 20	87.10
Mar. 16	85.39	15	86.02	Feb. 13	86.71	July 10	87.32
29	85.31	30	85.97	28	86.45	Apr. 1, 1959	86.42
Apr. 13	85.38	Sept. 12	86.19	Mar. 27	86.62	July 14	87.00
26	85.14	27	86.47	Apr. 19	86.46		

3S5W-2aabl. Clarence Weaver. Drilled irrigation artesian well in Claiborne group, diam 12 in, depth 801 ft, screened 698-798. Lsd 210.00 ft above msl. MP hole in east side of pump, 1.50 ft above lsd. Highest water level 59.22 below lsd, Mar. 29, 1951; lowest 98.30 below lsd, Sept. 27, 1955. Records available: 1951-59

Feb. 1, 1956	75.51	Apr. 1, 1957	73.12	Mar. 13, 1958	71.60	Mar. 4, 1959	73.70
28	73.67	26	72.90	Apr. 11	70.47	Apr. 9	74.05
Apr. 5	72.09	May 20	74.08	Oct. 1	84.97	May 8	76.71
Oct. 28	79.15	Sept. 23	82.38	Nov. 3	79.48	Sept. 16	94.83
Nov. 30	78.88	Oct. 28	77.30	Dec. 5	77.28	Oct. 9	88.80
Dec. 21	78.11	Nov. 29	76.58	Jan. 9, 1959	76.12	Nov. 2	88.43
Jan. 23, 1957	76.41	Dec. 16	74.09	Feb. 6	74.94	Dec. 4	88.01
Feb. 28	73.99	Jan. 30, 1958	71.10				

3S5W-3bbbl. J. R. Oliver. Formerly Fred Hederich. Drilled unused water-table well in deposits of Quaternary age, diam 24 in, depth 125 ft. Lsd 215.00 ft above msl. MP top of casing, at lsd. Highest water level 79.05 below lsd, May 20, 1928; lowest 105.35 below lsd, July 22, 1959. Records available: 1928-59.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	102.65	102.50	102.35	102.25	102.15	102.85	104.40	104.65	104.65	104.00	103.65	103.20
10	102.75	102.60	102.60	102.05	102.25	103.40	104.45	105.00	104.40	104.05	103.65	103.70
15	102.35	102.55	102.60	101.95	102.25	103.85	103.80	105.15	104.30	103.80	103.60	103.30
20	102.65	.....	102.80	102.70	102.75	103.10	103.85	105.25	104.40	103.60	103.30	103.20
25	102.80	.....	102.60	102.45	103.55	103.10	104.45	104.90	104.10	103.60	103.25	103.45
Eom	103.05	102.90	102.25	102.40	103.10	103.80	103.90	105.25	104.05	103.40	103.30	103.00

1957

5	103.20	103.05	102.55	102.70	102.90	103.20	103.70	103.85	104.15	103.50	103.25	103.15
10	103.50	102.90	102.90	103.00	102.55	103.40	103.90	104.40	103.90	103.55	103.65	103.05
15	103.10	102.95	103.25	103.10	102.55	103.30	104.50	103.90	103.60	103.20	102.70	103.05
20	103.10	103.10	102.90	102.80	102.40	104.00	104.65	103.90	103.55	103.55	103.15	102.85
25	103.05	102.95	102.60	102.70	103.20	103.95	104.35	103.75	103.80	103.25	103.10	103.00
Eom	102.80	102.70	102.85	102.60	103.80	104.30	103.90	104.65	103.50	103.00	103.40	102.90

1958

5	103.40	102.60	102.70	102.05	102.60	.....	104.20	104.20	104.90	105.00	103.85	103.50
10	102.80	103.05	102.60	102.55	102.55	.....	104.05	104.70	104.85	105.20	104.00	103.40
15	102.80	102.80	102.80	102.70	102.90	.....	103.80	104.15	104.75	104.45	103.85	103.80
20	102.00	103.05	102.85	102.50	102.80	.....	104.20	104.45	105.10	104.15	103.45	103.60
25	102.30	102.75	102.40	102.85	102.80	.....	103.60	104.80	104.85	104.15	103.70	103.40
Eom	102.10	102.45	102.50	102.90	103.80	.....	103.75	104.25	104.35	104.05	103.60	103.05

1959

5	103.70	103.10	102.35	102.90	102.95	103.40	105.00	104.70	104.30	103.70	103.90	103.20
10	103.35	103.00	102.70	103.05	103.20	103.25	105.00	105.10	104.25	103.65	103.60	103.35
15	102.80	103.05	103.05	103.10	103.65	104.05	104.45	104.70	103.80	103.75	103.70	103.30
20	102.55	103.30	102.80	102.70	103.65	104.50	105.20	104.45	104.10	103.60	103.25	103.50
25	103.10	102.80	102.75	102.95	103.50	104.70	104.85	104.65	103.80	103.30	103.15	103.30
Eom	103.25	102.70	102.70	102.80	103.80	104.90	104.45	104.15	103.80	103.75	103.70	103.35

#### Ashley County

18S8W-1dba1. Daugherty & Son. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 12 in, depth 128 ft. Lsd 175.00 ft above msl. MP top north side of casing, 0.80 ft above lsd. Highest water level 70.90 below lsd, Apr. 23, 1946; lowest 81.69 below lsd, Aug. 19, 1957. Records available: 1946, 1948-59.

## 18S8W-1dba1-- Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1956	79.43	Feb. 26, 1957	75.75	Mar. 4, 1958	75.82	Mar. 6, 1959	76.14
Feb. 23	75.13	May 1	75.80	Apr. 9	76.89	Apr. 2	76.06
Apr. 24	75.48	Aug. 19	81.89	May 8	75.71	May 6	76.35
Sept. 25	78.89	Sept. 26	81.28	Oct. 8	77.72	Sept. 15	77.99
Oct. 15	78.73	Oct. 29	77.98	Nov. 6	77.16	Oct. 12	78.13
Nov. 21	77.67	Nov. 25	77.22	Dec. 3	76.67	Nov. 5	77.75
Dec. 19	77.22	Dec. 12	77.39	Jan. 15, 1959	75.90	Dec. 3	77.33
Jan. 28, 1957	76.78	Feb. 3, 1958	76.90	Feb. 4	75.49		

18S8W-29bcd1. Crossett Lumber Co. Drilled observation artesian well in deposits of Quaternary age, diam 4 in, depth 169 ft, screened 148-169. Lsd 142.50 ft above msl. MP top of casing, 4.98 ft above lsd. Highest water level 80.7 below lsd, July 5, 1949; lowest 95.2 below lsd, Nov. 5, 1959. Records available: 1949-59.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	89.9	90.8	89.3	88.3	89.7	90.3	89.7	90.5	....	89.5	90.5	91.2
10	89.6	89.5	88.8	88.6	90.0	90.5	90.1	90.6	90.5	90.3	....	90.7
15	89.4	90.1	88.7	88.6	90.1	90.6	90.4	90.1	90.6	90.6	90.8	91.0
20	89.4	90.7	89.7	89.8	90.2	90.4	90.9	89.6	90.4	89.4	90.9	91.0
25	89.9	90.0	89.0	89.2	90.1	90.6	91.0	89.9	....	88.8	90.9	89.9
Eom	90.0	90.5	88.3	89.5	90.0	90.7	90.9	89.4	89.8	....	91.1	....

## 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	91.1	91.5	....	91.5	....	....	89.0	92.4	92.3	92.3	92.6	92.9
10	91.0	91.3	91.5	91.7	91.7	91.7	91.9	....	92.4	92.5	93.0	92.8
15	91.2	91.3	91.7	91.8	91.7	91.9	91.9	92.4	91.9	92.2	92.1	93.2
20	91.2	91.6	91.6	91.8	91.6	91.9	92.0	92.5	91.9	92.5	....	92.6
25	91.4	90.9	91.3	91.7	91.9	92.1	92.2	92.1	91.8	92.3	92.2	92.0
Eom	91.3	91.5	91.3	91.6	91.1	92.3	....	92.5	92.0	92.3	93.0	92.6

## 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	93.2	....	93.3	92.4	93.4	93.0	92.3	93.4	93.4	93.8	93.8	93.7
10	93.0	93.5	93.3	92.9	93.4	93.0	....	....	93.5	93.8	....	....
15	92.8	....	....	93.1	93.7	....	....	93.5	93.7	93.8	93.7	....
20	92.5	93.7	93.6	....	....	....	93.1	....	....	93.8	....	93.8
25	92.7	....	91.9	93.5	93.0	93.1	....	....	93.8	....	93.8	92.7
Eom	92.7	93.1	92.4	....	....	93.2	....	93.6	93.7	93.8	....	....

## 1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	94.5	....	94.6	....	....	....	94.6	95.2	....
10	93.4	93.6	94.2	94.7	....	....	....	94.9	....	94.7	....	....
15	....	....	94.2	....	....	....	....	....	....	94.9	....	....
20	....	....	....	94.2	94.6	....	....	....	....	94.8	....	....
25	....	94.1	....	94.6	94.6	....	....	....	....	94.7	94.9	....
Eom	94.3	94.1	94.2	....	....	94.7	....	....	....	94.9	....	....

## Chicot County

13S3W-32ddd1. George Jones. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 9 in, depth 79 ft. Lsd 135.00 ft above msl. MP bottom of cutout in side of casing, at lsd. Highest water level 6.36 below lsd, May 8, 1958; lowest 29.55 below lsd, July 24, 1956. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1956	18.44	Dec. 20, 1956	20.05	Nov. 25, 1957	15.43	Jan. 15, 1959	11.90
Feb. 23	17.04	Jan. 28, 1957	19.81	Feb. 3, 1958	10.92	Feb. 5	10.64
Apr. 6	12.71	Feb. 26	14.75	Mar. 4	10.76	Mar. 9	10.29
24	15.93	Mar. 27	16.35	Apr. 10	10.98	Apr. 10	9.68
July 24	29.55	May 1	14.86	May 8	6.36	May 6	10.35
Sept. 25	24.02	23	14.72	Oct. 9	12.20	Sept. 15	16.89
Oct. 17	21.65	Sept. 26	22.97	Nov. 7	11.68	Oct. 12	15.57
Nov. 15	20.80	Oct. 31	20.41	Dec. 4	10.95	Nov. 5	13.01

## Clay County

21N5E-17abb1. Harold Bros. Drilled irrigation well in deposits of Quaternary age, diam 12 in, depth 105 ft. Lsd 297.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 11.85 below lsd, May 12, 1958; lowest 18.69 below lsd, Feb. 11, 1957. Records available: 1955, 1957-59. No measurement made in 1956.

## 21N5E-17ab1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 28, 1955	17.42	Aug. 26, 1957	18.39	May 12, 1958	11.85	Feb. 10, 1959	12.56
Jan. 14, 1957	18.16	Sept. 16	16.13	Aug. 4	15.00	Mar. 10	12.68
Feb. 11	18.69	Oct. 14	15.07	Sept. 17	15.02	Apr. 21	13.54
Mar. 27	17.87	Dec. 9	13.85	Oct. 14	14.43	Sept. 23	13.72
Apr. 16	17.14	Jan. 28, 1958	14.01	Nov. 17	14.09	Oct. 19	13.07
May 13	16.78	Feb. 10	13.87	Dec. 15	14.55	Nov. 18	12.90
June 17	17.57	Mar. 10	13.43	Jan. 19, 1959	13.13	Dec. 21	14.39
July 15	18.51	Apr. 16	12.55				

21N8E-36baa1. A. L. Freytag. Drilled irrigation well in deposits of Quaternary age, diam 12 in, depth 90 ft. Lsd 283± ft above msl. MP top of end of discharge pipe, 11.00 ft above lsd. Highest water level 0.52 below lsd, May 12, 1958; lowest 9.48 below lsd, Jan. 15, 1957. Records available: 1955, 1957-59. No measurement made in 1956.

Feb. 15, 1955	6.64	July 15, 1957	4.77	June 10, 1958	4.02	Mar. 10, 1959	4.11
Mar. 16	5.59	Aug. 27	5.45	July 21	4.28	Apr. 13	3.65
May 11	3.26	Sept. 17	6.64	Aug. 4	3.89	May 19	5.15
Jan. 15, 1957	9.48	Oct. 15	6.02	Sept. 17	6.30	June 18	5.82
Feb. 11	7.78	Dec. 10	5.73	Oct. 14	5.87	Sept. 24	6.07
Mar. 27	4.43	Jan. 28, 1958	5.51	Nov. 17	5.57	Oct. 19	4.90
Apr. 17	4.07	Feb. 10	5.29	Dec. 15	5.02	Nov. 17	4.49
May 13	3.96	Mar. 10	4.97	Jan. 19, 1959	4.71	Dec. 21	4.23
June 17	2.17	May 12	0.52	Feb. 10	4.23		

## Columbia County

17S21W-11ddb2. City of Magnolia. Drilled public-supply artesian well in Sparta sand, diam 8 in, depth 428 ft. Lsd 303.00 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 238.11 below lsd, Apr. 29, 1953; lowest 300.75 below lsd, Oct. 8, 1958. Records available: 1953-59.

Jan. 29, 1953	243.23	Nov. 22, 1954	269.50	Aug. 28, 1956	293.25	May 5, 1958	261.00
Feb. 25	241.61	Dec. 29	265.30	Sept. 26	293.40	June 4	281.55
Mar. 31	241.09	Jan. 26, 1955	259.70	Nov. 20	292.45	July 15	287.35
Apr. 29	238.11	Feb. 24	262.83	Dec. 18	283.82	Aug. 5	284.90
May 28	259.06	Mar. 23	254.44	Jan. 24, 1957	271.40	Sept. 9	300.40
June 30	274.31	Apr. 19	254.22	Mar. 4	260.30	Oct. 8	300.75
July 1	270.51	May 24	265.32	25	266.14	Nov. 5	294.00
31	253.50	June 29	274.73	Apr. 25	264.10	Dec. 2	271.59
Aug. 28	254.33	July 26	273.96	May 21	275.40	Jan. 14, 1959	266.45
Sept. 30	271.36	Aug. 31	277.60	June 24	278.15	Feb. 4	263.39
Nov. 13	254.08	Sept. 28	276.00	July 23	289.15	Apr. 1	274.94
Jan. 18, 1954	241.04	Oct. 26	265.68	Aug. 20	288.75	May 6	270.74
Apr. 15	241.70	Nov. 29	273.00	Sept. 26	278.15	June 3	281.45
May 25	241.05	Dec. 29	255.71	Oct. 30	272.38	July 8	285.85
June 29	269.70	Jan. 26, 1956	265.50	Nov. 26	270.13	Aug. 18	289.60
July 29	282.92	Feb. 24	263.65	Dec. 13	268.81	Sept. 9	292.03
Aug. 25	288.48	Apr. 10	262.50	Feb. 4, 1958	260.81	Oct. 5	299.02
Sept. 28	273.90	June 27	278.33	Mar. 5	263.53	Nov. 4	300.37
Oct. 27	261.55	July 25	282.00	Apr. 8	267.53	Dec. 2	290.90

## Craighead County

13N2E-35daa1. Mr. A. B. Clark. Drilled unused well in deposits of Quaternary age, diam 12 in, depth 120 ft, screened 100-120. Lsd 250.00 ft above msl. MP top of casing, at lsd. Highest water level 50.20 below lsd, June 19, 1957; lowest 53.30 below lsd, July 28, 1959. Records available: 1957-59. Recorder installed June 18, 1958.

Jan. 16, 1957	50.81	June 19, 1957	50.20	Oct. 15, 1957	51.72	Feb. 12, 1958	51.49
Feb. 12	50.75	July 16	51.13	Nov. 20	51.72	Mar. 11	51.45
Mar. 27	50.48	Aug. 27	51.75	Dec. 10	51.35	Apr. 15	51.23
Apr. 15	50.60	Sept. 17	51.94	Jan. 29, 1958	51.19	May 15	51.03
May 14	50.39						

13N2E-35daa1--Continued.

## Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	51.70	.....	52.10	52.05	52.10
10	.....	.....	.....	.....	.....	.....	.....	51.70	.....	52.15	52.15	52.00
15	.....	.....	.....	.....	.....	.....	.....	51.75	.....	52.05	52.00	51.95
20	.....	.....	.....	.....	.....	51.45	.....	51.75	52.25	52.05	52.10	52.15
25	.....	.....	.....	.....	.....	51.55	51.60	51.80	52.15	52.10	51.95	52.05
Eom	.....	.....	.....	.....	.....	.....	51.65	52.30	52.10	52.05	52.10	51.80

1959

5	52.05	51.85	51.30	51.80	51.75	52.30	52.40	52.90	53.00	52.95	52.95	52.85
10	51.95	51.40	51.70	51.90	51.75	52.85	52.35	52.85	53.00	52.90	52.85	52.75
15	51.65	52.05	51.65	51.75	52.45	52.40	52.85	52.85	52.95	52.90	52.80	52.85
20	51.50	52.20	51.75	51.80	52.40	52.75	53.15	53.05	.....	52.90	52.80	52.90
25	51.75	51.85	51.65	51.75	52.40	52.45	53.05	53.10	52.90	52.90	52.80	52.85
Eom	52.20	51.75	51.70	51.75	52.45	52.40	53.20	53.05	52.95	52.90	52.80	52.95

## Crittenden County

6N7E-13baa1. J. M. Leach. Drilled irrigation water-table well in deposits of Quaternary age, diam 14 to 12 in, depth 130 ft, cased 0-130. Lsd 205.00 ft above msl. MP plug in south side of discharge, 2.00 ft above lsd. Highest water level 5.39 below lsd, May 14, 1958; lowest 14.51 below lsd, Oct. 17, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1957	13.40	Dec. 11, 1957	7.73	Oct. 17, 1958	13.93	Apr. 15, 1959	7.24
Feb. 14	12.87	Jan. 29, 1958	7.47	Nov. 18	9.17	June 16	10.15
Mar. 27	10.35	Feb. 11	7.76	Dec. 17	6.46	Sept. 22	11.05
Apr. 18	9.59	Mar. 11	7.03	Jan. 23, 1959	6.02	Oct. 22	10.76
May 15	9.63	May 14	5.39	Feb. 13	6.67	Nov. 19	10.30
Oct. 17	14.51	June 12	11.71	Mar. 11	7.03	Dec. 22	9.75
Nov. 22	7.87						

## Cross County

8N3E-9dad1. H. O. Jernberg. Drilled unused well in deposits of Quaternary age, diam 18 in, depth 150 ft, cased 0-110, screened 110-150. Lsd 260.00 ft above msl. MP top north side of pit, 1.00 ft above lsd. Highest water level 70.79 below lsd, June 19, 1957; lowest 81.26 below lsd, Feb. 13, 1957. Records available: 1957-59.

Feb. 13, 1957	81.26	Nov. 21, 1957	71.89	Aug. 6, 1958	71.73	May 18, 1959	72.13
Mar. 21	70.85	Dec. 11	71.96	Sept. 16	71.90	June 16	72.04
Apr. 18	71.28	Jan. 28, 1958	71.71	Oct. 16	71.69	July 14	72.59
May 15	71.20	Feb. 12	71.43	Nov. 19	72.37	Aug. 10	72.93
June 19	70.79	Mar. 11	71.68	Dec. 17	71.78	Sept. 22	73.21
July 16	72.03	Apr. 17	71.61	Jan. 22, 1959	72.32	Oct. 21	72.93
Aug. 28	71.53	May 13	71.52	Feb. 12	72.17	Nov. 18	72.80
Sept. 18	71.66	June 12	71.39	Mar. 12	71.85	Dec. 24	72.63
Oct. 16	71.51	July 23	71.65	Apr. 15	71.99		

## Desha County

9S4W-6bbcl. A. G. Bayer. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 10 in, depth 102 ft, screened 70-102. Lsd 157.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 0.87 below lsd, May 8, 1958; lowest 12.60 below lsd, Sept. 25, 1956. Records available: 1952-59.

Jan. 26, 1956	7.16	Jan. 28, 1957	6.90	Mar. 4, 1958	3.19	Feb. 5, 1959	2.53
Feb. 23	4.67	Feb. 26	4.72	Apr. 8	3.10	Mar. 9	2.35
Apr. 6	4.64	Mar. 29	5.88	May 8	0.87	Apr. 10	2.02
24	5.27	May 1	5.68	Oct. 9	4.18	May 7	3.35
Sept. 25	12.60	23	6.38	Nov. 7	4.03	Sept. 15	7.41
Oct. 17	12.40	Oct. 31	5.07	Dec. 4	3.21	Oct. 12	7.14
Nov. 23	9.76	Nov. 25	3.64	Jan. 15, 1959	2.70	Nov. 5	6.78
Dec. 20	9.41	Feb. 3, 1958	3.42				

9S4W-6daa1. Lee Kemp. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 10 in, depth 85 ft, screened 69-85. Lsd 160.00 ft above msl. MP top of end of discharge pipe, 9.00 ft above lsd. Highest water level 1.03 below lsd, Apr. 10, 1959; lowest 14.20 below lsd, Aug. 24, 1956. Records available: 1952-59.

## 9S4W-6daal--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1956	4.09	Feb. 26, 1957	4.20	Nov. 25, 1957	4.75	Jan. 15, 1959	1.71
Feb. 23	3.13	Mar. 29	3.34	Feb. 3, 1958	1.58	Feb. 5	1.55
Apr. 6	2.59	May 1	3.96	Mar. 4	1.41	Mar. 9	1.32
24	3.26	23	3.90	Apr. 10	1.49	Apr. 10	1.03
Aug. 24	14.20	June 27	5.37	Sept. 4	7.75	May 7	2.36
Oct. 17	9.94	Aug. 22	8.88	Oct. 9	3.07	Sept. 15	6.97
Nov. 23	8.04	Sept. 26	6.33	Nov. 7	2.90	Oct. 12	6.51
Dec. 20	7.62	Oct. 31	6.05	Dec. 4	2.16	Nov. 5	4.82
Jan. 28, 1957	5.11						

9S4W-5dad1. J. L. McKennon. Drilled unused artesian well in deposits of Quaternary age, diam 12 in, depth 81 ft. Lsd 157.0 ft above msl. MP 1.00 ft above lsd. Highest water level 1.30 below lsd, May 8-10, 1958; lowest 16.40 below lsd, July 24, 1956. Records available: 1955-58. Measurement discontinued.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.60	5.90	5.80	6.00	6.50	.....	13.10	.....	.....	14.60	.....	12.40
10	9.70	5.60	6.10	5.60	6.50	.....	13.90	.....	16.10	14.30	.....	13.00
15	9.50	5.80	6.00	5.50	7.70	11.50	.....	.....	15.90	14.10	.....	13.10
20	8.80	5.60	6.00	6.10	9.60	10.60	.....	.....	15.70	13.90	.....	.....
25	8.30	5.50	6.00	6.40	.....	11.00	.....	.....	15.60	13.60	.....	.....
Eom	7.50	6.10	6.00	6.70	.....	13.00	.....	.....	15.10	13.30	11.90	.....

1957

5	10.00	.....	.....	.....	5.50	.....	.....	.....	15.80	9.90	6.90	5.20
10	.....	.....	.....	.....	5.70	8.80	.....	.....	15.80	9.80	6.30	4.80
15	.....	.....	6.90	.....	6.00	8.70	.....	13.80	15.80	9.50	5.30	5.00
20	10.10	.....	6.60	.....	6.30	.....	.....	14.20	14.50	9.40	4.90	4.80
25	.....	.....	6.30	.....	6.60	.....	.....	14.20	10.50	7.30	4.80	4.80
Eom	.....	.....	6.40	5.40	6.40	.....	.....	15.60	10.00	6.70	4.80	4.60

1958

5	4.60	4.30	4.40	3.80	.....	5.70	6.80	11.00	13.50	5.50	.....	4.80
10	4.70	4.70	4.20	4.20	1.30	6.90	8.40	12.40	14.10	5.60	.....	4.80
15	4.50	4.60	4.30	.....	2.00	8.80	6.80	13.70	10.90	6.00	.....	5.00
20	4.10	4.70	4.30	.....	2.50	7.80	7.70	12.80	8.10	6.00	4.70	5.00
25	4.00	4.40	4.00	.....	.....	7.90	7.60	12.20	5.90	6.10	4.60	4.90
Eom	4.00	4.10	3.80	.....	.....	5.60	8.10	13.50	5.50	6.20	4.40	4.70

10S4W-2bba1. R. A. Pickens. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 10 in, depth 94 ft, screened 64-94. Lsd 156.0 ft above msl. MP cutout in side of casing, at lsd (since May 8, 1956). Highest water level 7.15 below lsd, May 8, 1958; lowest 19.81 below lsd, Oct. 17, 1956. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1956	16.84	Feb. 26, 1957	15.79	Mar. 4, 1958	11.27	Feb. 5, 1959	10.66
Feb. 23	15.97	Mar. 29	10.49	Apr. 10	10.98	Mar. 9	12.45
Apr. 6	14.20	May 1	14.25	May 8	7.15	Apr. 9	12.15
24	14.32	23	14.09	June 3	8.98	May 6	12.70
Oct. 17	19.81	Sept. 26	17.87	Oct. 9	12.00	Sept. 15	17.31
Nov. 15	18.99	Oct. 31	16.66	Nov. 7	11.79	Oct. 12	17.03
Dec. 20	18.53	Nov. 25	13.35	Dec. 4	10.35	Nov. 5	16.15
Jan. 28, 1957	17.99	Feb. 3, 1958	11.41	Jan. 15, 1959	10.07		

## Drew County

11S4W-25dab1. T. A. Prewitt, Jr. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 8 in, depth 112 ft, screened 87-112. Lsd 150.0 ft above msl. MP bottom of pumpbase, at lsd. Highest water level 10.55 below lsd, May 9, 1958; lowest 19.90 below lsd, Apr. 20, 1955. Records available: 1952-59.

Jan. 26, 1956	17.70	Feb. 28, 1957	15.25	Mar. 4, 1958	12.61	Jan. 15, 1959	13.33
Feb. 23	16.09	Mar. 29	16.02	Apr. 10	12.75	Feb. 5	13.12
Apr. 6	15.84	May 1	14.99	May 9	10.55	Mar. 9	12.70
24	15.93	23	15.29	June 3	13.66	Apr. 9	12.41
Sept. 25	19.59	July 25	16.99	Sept. 4	14.68	May 6	12.94
Oct. 17	19.41	Sept. 26	16.63	Oct. 9	13.06	Sept. 15	16.77
Nov. 13	18.86	Oct. 31	15.09	Nov. 7	12.93	Oct. 12	16.52
Dec. 20	18.45	Nov. 25	13.00	Dec. 4	13.70	Nov. 5	16.35
Jan. 28, 1957	17.93	Feb. 3, 1958	12.85				



Hempstead County

9S26W-18cbb1. L. Speed. Bored unused well in Tokio formation, diam 5 in, depth 30 ft, cased 0-30. Lsd 480.00 ft above msl. MP top of tile casing, 2.00 ft above lsd. Highest water level 15.48 below lsd, June 25, 1957; lowest 25.98 below lsd, Jan. 25, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1957	25.98	Oct. 30, 1957	20.08	Aug. 5, 1958	17.29	May 5, 1959	19.64
Mar. 5	25.65	Nov. 26	17.95	Sept. 10	19.18	June 2	20.08
25	22.99	Dec. 13	17.42	Oct. 7	19.46	July 8	19.32
Apr. 25	20.57	Feb. 5, 1958	16.99	Nov. 4	19.33	Aug. 19	20.17
May 23	19.92	Mar. 6	16.72	Dec. 2	19.18	Sept. 10	20.79
June 25	15.48	Apr. 8	17.98	Jan. 13, 1959	19.83	Oct. 6	21.39
July 23	16.13	May 6	15.90	Feb. 3	20.06	Nov. 3	21.02
Aug. 21	18.57	June 5	15.56	Mar. 31	18.84	Dec. 1	23.42
Sept. 25	19.98	July 16	17.23				

Howard County

9S28W-20dac1. J. H. Davidson. Dug unused well in Tokio formation, diam 30 in, depth 27 ft, cribbed with brick. Lsd 490± ft above msl. MP top southwest corner of casing, 3.00 ft above lsd. Highest water level 2.39 below lsd, May 2, 1957; lowest 13.81 below lsd, Aug. 18, 1959. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1957	10.75	Oct. 30, 1957	11.29	Aug. 5, 1958	7.84	May 5, 1959	11.66
Mar. 4	10.97	Nov. 26	9.03	Sept. 10	10.35	June 2	12.02
25	9.67	Dec. 13	9.19	Oct. 7	10.53	July 8	13.27
Apr. 25	2.87	Feb. 4, 1958	7.92	Nov. 5	12.70	Aug. 18	13.81
May 2	2.39	Mar. 6	7.52	Dec. 2	12.39	Sept. 10	11.91
June 25	4.63	Apr. 8	6.95	Jan. 13, 1959	12.02	Oct. 6	11.85
July 23	7.93	May 6	4.66	Feb. 3	11.81	Nov. 3	11.68
Aug. 21	12.50	July 15	7.91	Mar. 31	11.18	Dec. 1	13.15
Sept. 25	11.93						

Jackson County

11N3W-30ccc1. R. D. Wilmons, Jr. Drilled irrigation well in deposits of Quaternary age, diam 14 in, depth 90 ft, cased 0-60, screened 60-90. Lsd 218.00 ft above msl. MP hole in north side of pump, at lsd. Highest water level 11.82 below lsd, June 17, 1957; lowest 28.25 below lsd, Sept. 21, 1959. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1957	27.73	Oct. 14, 1957	18.11	Oct. 14, 1958	21.38	May 19, 1959	22.49
Feb. 11	25.93	Nov. 19	18.93	Nov. 17	21.60	June 18	23.69
Mar. 27	24.79	Dec. 9	15.24	Dec. 15	20.45	Sept. 21	28.25
Apr. 19	24.04	Jan. 27, 1958	16.73	Jan. 19, 1959	19.81	Oct. 19	26.19
May 13	12.85	Feb. 10	17.08	Feb. 10	19.01	Nov. 16	24.56
June 17	11.82	Mar. 10	17.30	Mar. 10	17.47	Dec. 7	24.31
Sept. 16	23.03	May 12	13.26	Apr. 13	17.78		

Jefferson County

4S7W-9bab1. Elms Planting Co. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 in, depth 100 ft. Lsd 185.00 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 1.98 below lsd, Feb. 26, 1951; lowest 27.82 below lsd, Sept. 27, 1955. Records available: 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	17.51	Feb. 25, 1957	16.80	Jan. 31, 1958	16.31	Jan. 16, 1959	16.95
Feb. 21	17.77	Mar. 28	17.80	Mar. 13	15.65	Feb. 6	16.99
Apr. 5	16.89	Apr. 26	15.23	Apr. 10	15.97	Mar. 4	15.14
23	16.97	June 14	17.61	May 9	14.02	Apr. 9	14.69
Oct. 23	21.83	Sept. 19	19.29	Sept. 3	18.86	May 8	15.03
Nov. 21	20.32	Oct. 28	18.25	Oct. 1	18.04	Sept. 11	19.08
Dec. 21	19.29	Nov. 27	16.87	Nov. 3	16.80	Oct. 7	17.18
Jan. 30, 1957	18.87	Dec. 16	16.63	Dec. 5	17.89	Nov. 2	16.65

4S7W-18ddd1. Frank Ragland. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 12 in, depth 101 ft. Lsd 200.00 ft above msl. MP cutout in side of casing, at lsd. Highest water level 12.05 below lsd, Feb. 27, 1952; lowest 34.83 below lsd, Aug. 29, 1956. Records available: 1949-59.



659W-18ab1--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	81.8	81.4	81.0	....	80.8	80.6	81.4	82.5	82.6	82.7	82.2	81.1
10	81.7	81.3	81.1	80.7	80.7	80.7	81.7	82.5	....	82.7	82.0	81.1
15	81.8	81.4	81.1	80.8	80.7	80.9	82.0	82.5	....	82.5	81.3	81.5
20	81.9	81.2	81.0	80.8	80.8	81.2	82.4	82.6	....	82.6	81.2	81.5
25	81.8	80.9	80.8	80.7	80.8	81.2	82.5	82.6	....	82.2	81.2	81.7
Eom	81.3	81.1	....	80.5	80.8	81.3	82.4	82.8	82.8	82.2	81.1	81.7

1958

5	82.0	82.9	83.7	....	....	....	....	106.3	112.9	114.4	119.3	....
10	82.0	83.4	83.6	....	....	....	....	109.8	112.5	115.9	....	....
15	82.0	83.3	83.8	....	....	....	....	....	111.2	117.1	....	....
20	....	83.6	83.7	....	....	....	....	111.0	111.4	117.9	....	....
25	....	83.5	83.4	....	....	....	....	110.4	113.7	118.9	....	....
Eom	82.8	83.3	....	....	....	....	107.2	112.1	113.9	118.8	....	....

1959

5	....	....	d126.1	d127.8	d131.9	d136.1	....	....	d142.0	d140.5	d140.1	d140.4
10	....	....	d126.0	d129.0	d133.1	d135.7	....	....	d142.9	d139.9	d140.5	d141.2
15	....	....	d126.2	d128.4	d133.5	d135.9	....	d139.7	d141.5	d139.7	d139.3	d141.7
20	....	d126.2	d127.4	d127.6	d134.2	d137.4	....	d140.0	d140.4	d139.0	d140.3	d140.9
25	....	d125.2	d127.9	d130.0	d133.2	d138.3	....	d141.7	d141.8	d138.7	d140.7	d141.2
Eom	....	d124.8	d128.1	d131.5	d135.0	d139.7	....	d139.9	d140.6	d139.6	d140.0	d140.4

d Nearly well pumped recently.

Lafayette County

16S23W-10dca2. Arkansas Power & Light Co. Drilled unused artesian well in Sparta sand, diam 6 in, depth 355 ft. Lsd 293.50 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 36.75 below lsd, Mar. 31, 1953; lowest 87.03 below lsd, June 29, 1955. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 31, 1953	36.75	July 26, 1955	74.64	Dec. 18, 1956	66.17	June 4, 1958	54.90
Apr. 29	42.19	Aug. 30	81.66	Jan. 24, 1957	64.80	July 15	47.94
May 28	43.30	Sept. 28	82.10	Mar. 4	68.08	Aug. 5	53.87
June 30	47.70	Oct. 26	72.08	25	78.18	Sept. 9	57.03
May 26, 1954	48.05	Nov. 29	71.59	Apr. 25	69.13	Oct. 8	59.45
June 29	48.59	Dec. 29	63.31	May 21	57.37	Nov. 5	57.45
July 29	69.84	Jan. 26, 1956	74.37	June 24	63.88	Dec. 2	63.06
Aug. 25	70.52	Feb. 26	74.48	July 23	79.37	Jan. 13, 1959	57.21
Sept. 29	72.82	Apr. 10	68.89	Aug. 20	79.51	Feb. 3	51.90
Oct. 27	72.20	25	58.18	Sept. 25	77.40	Apr. 1	65.23
Nov. 22	83.52	May 24	64.83	Oct. 30	53.98	May 6	65.94
Dec. 29	83.91	June 27	74.32	Nov. 26	55.09	June 6	57.90
Jan. 26, 1955	73.40	July 25	75.37	Dec. 13	55.39	July 8	59.60
Feb. 23	81.51	Aug. 28	58.85	Feb. 4, 1958	52.11	Aug. 18	62.88
Mar. 23	85.75	Sept. 26	70.50	Mar. 5	52.73	Sept. 9	63.92
Apr. 19	85.77	Oct. 16	64.79	Apr. 8	47.36	Oct. 5	67.59
May 24	57.37	Nov. 20	64.08	May 5	46.98	Nov. 4	60.18
June 29	87.03						

19S25W-6abd1. Lee Calvin. Drilled irrigation well in deposits of Quaternary age, diam 16 to 12 in, depth 63 ft, cased 0-43, screened 43-63. Lsd 212± ft above msl. MP top of end of discharge pipe, 5.00 ft above lsd (since June 6, 1958). Highest water level 4.53 below lsd, Apr. 1, 1959; lowest 17.54 below lsd, Jan. 24, 1957. Records available: 1955-59.

Apr. 19, 1955	12.49	Nov. 20, 1956	16.93	Sept. 25, 1957	14.09	Oct. 8, 1958	9.70
May 24	12.22	Dec. 18	16.23	Oct. 30	13.42	Nov. 5	9.23
June 30	12.81	Jan. 24, 1957	17.54	Nov. 26	12.33	Dec. 2	7.02
July 26	13.94	Mar. 4	16.79	Dec. 13	10.63	Jan. 13, 1959	6.70
Aug. 30	14.20	25	15.49	Feb. 4, 1958	8.35	Feb. 3	4.67
Sept. 28	14.32	Apr. 30	12.44	Mar. 5	8.21	Apr. 1	4.53
Oct. 26	14.12	May 21	10.57	Apr. 8	6.41	May 6	7.52
Nov. 29	13.96	June 24	9.89	June 6	7.21	June 3	7.98
Oct. 16, 1956	17.18	July 23	13.06	July 15	7.10	Nov. 4	7.67

## Lee County

2N1E-23baal. N. A. Bickerstaff. Drilled irrigation well in deposits of Quaternary age, diam 10 in, depth 137 ft, cased 0-107, screened 107-137. Lsd 198½ ft above msl. MP hole in north side of pump, 0.50 ft above lsd (since Feb. 12, 1959). Highest water level 28.51 below lsd, May 18, 1959; lowest 34.81 below lsd, Mar. 12, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1957	33.70	Dec. 11, 1957	32.28	Aug. 7, 1958	32.95	Mar. 10, 1959	30.45
Feb. 14	33.20	Jan. 30, 1958	30.78	Sept. 15	30.87	Apr. 16	28.66
Mar. 12	34.81	Feb. 11	31.05	Oct. 17	30.63	May 18	28.51
Apr. 18	32.29	Mar. 12	30.90	Nov. 24	31.25	Sept. 24	34.69
July 12	33.30	Apr. 17	29.99	Dec. 18	31.10	Oct. 21	34.42
Sept. 19	33.77	May 15	28.79	Jan. 22, 1959	30.85	Nov. 18	34.28
Oct. 17	33.46	June 13	29.89	Feb. 12	30.89	Dec. 24	33.94
Nov. 22	32.59						

## Lincoln County

8S5W-8bdal. Arkansas State Penitentiary. Drilled irrigation artesian well in deposits of Quaternary age, diam 18 to 6 in, depth 86 ft, cased 0-56, screened 56-86. Lsd 175.00 ft above msl. MP top of end of discharge pipe, 7.00 ft above lsd (since Apr. 24, 1956). Highest water level 13.90 below lsd, May 8, 1958; lowest 29.84 below lsd, Aug. 24, 1956. Records available: 1952-59.

Jan. 26, 1956	23.26	Nov. 15, 1956	24.12	Apr. 10, 1958	15.79	Feb. 5, 1959	16.96
Feb. 23	22.65	Jan. 28, 1957	23.75	May 8	13.90	Mar. 9	16.48
Apr. 6	21.14	Mar. 29	20.17	June 3	20.18	Apr. 10	16.23
24	20.37	June 27	21.17	July 17	19.81	May 7	17.30
May 23	21.72	July 24	22.01	Aug. 6	20.03	June 4	20.42
June 26	25.65	Aug. 22	19.92	Sept. 4	23.04	July 7	20.77
July 24	26.47	Sept. 26	19.69	Oct. 9	22.75	Aug. 7	21.11
Aug. 24	29.84	Oct. 31	18.73	Nov. 7	18.67	Sept. 15	21.19
Sept. 25	24.80	Jan. 31, 1958	16.53	Dec. 4	16.20	Oct. 12	21.02
Oct. 17	27.55	Mar. 4	16.30	Jan. 15, 1959	15.80		

8S6W-28ccal. Pinchback Planting Co. Drilled unused artesian well in deposits of Quaternary age, diam 18 to 10 in, depth 110+ ft. Lsd 178.00 ft above msl. MP top of casing, at lsd. Highest water level 13.60 below lsd, Mar. 20, 1959; lowest 24.70 below lsd, Sept. 3, 1958. Records available: 1958-59.

## Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	18.50	17.20	.....	.....	.....	22.60	23.80	20.10	19.00	18.30
10	.....	.....	18.30	17.30	.....	.....	.....	23.50	23.50	19.90	19.10	18.00
15	.....	18.90	18.20	18.10	.....	.....	.....	23.30	.....	19.60	18.70	17.60
20	.....	19.00	18.00	19.10	.....	.....	.....	23.60	.....	19.40	18.70	17.70
25	.....	18.50	17.80	20.80	.....	.....	.....	23.40	.....	19.40	18.30	17.40
Eom	.....	18.40	17.70	.....	.....	.....	23.80	23.70	20.00	19.20	18.40	17.00

1959

5	17.30	15.60	14.20	13.70	16.20	17.20	20.10	22.10	20.20	19.10	18.30	.....
10	16.90	15.30	14.30	13.80	15.90	17.20	20.60	22.10	20.10	19.00	18.10	17.80
15	15.70	15.30	14.10	14.20	16.20	16.80	21.10	20.90	19.80	18.90	.....	17.70
20	16.00	15.40	13.60	16.40	16.20	17.00	19.90	20.30	19.70	18.60	.....	17.50
25	16.00	14.90	13.90	14.40	16.20	17.20	21.80	20.20	19.40	18.60	.....	17.20
Eom	16.20	14.80	13.70	13.90	16.30	19.50	20.50	20.30	19.20	18.60	.....	17.00

8S6W-29dcal. Pinchback Planting Co. Drilled unused well in deposits of Quaternary age, diam 18 to 12 in, depth 97 ft. Lsd 177.00 ft above msl. MP at lsd. Highest water level 19.30 below lsd, Dec. 31, 1957; lowest 26.00 below lsd, Aug. 25, 1956. Records available: 1956-57. Measurement discontinued.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.90	22.10	21.60	.....	.....	23.00	23.80	25.30	25.70	24.80	24.60	.....
10	22.90	22.10	22.00	.....	21.30	.....	24.00	25.70	25.90	24.70	24.30	.....
15	22.70	21.80	21.60	.....	.....	23.50	24.20	25.60	25.70	.....	24.10	.....
20	22.60	.....	21.70	.....	21.90	.....	24.80	25.70	25.50	24.60	23.80	.....
25	22.60	21.60	21.50	20.90	22.70	22.80	24.80	26.00	25.10	24.60	23.80	.....
Eom	22.40	22.00	.....	20.90	22.70	23.80	25.30	.....	24.90	24.50	23.80	.....

# ARKANSAS, LONOKE COUNTY

15

8S6W-29dcl1--Continued.

1957											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	23.30	22.40	.....	21.00	20.50	.....	.....	21.60	.....	.....	19.90
10	23.00	.....	.....	20.90	20.60	20.20	.....	21.80	.....	.....	19.60
15	23.00	22.10	21.80	20.80	20.70	20.40	.....	21.80	.....	20.40	19.70
20	22.80	22.20	.....	20.70	.....	20.40	21.30	21.60	.....	21.20	19.40
25	22.80	.....	.....	20.60	20.70	20.40	21.70	.....	.....	21.20	20.10
Eom	22.60	.....	21.00	20.30	.....	20.80	22.10	.....	.....	21.10	19.30

## Little River County

13S29W-5abdl. Robert Black. Drilled irrigation well in deposits of Quaternary age, diam 18 to 8 in, depth 98 ft. Lsd 328.00± ft above msl. MP top north side of pit, at lsd. Highest water level 0.55 below lsd, Dec. 2, 1958; lowest 23.60 below lsd, Sept. 10, 1959. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1957	20.80	Sept. 25, 1957	20.58	June 6, 1958	14.75	May 5, 1959	21.04
Mar. 4	7.72	Oct. 30	20.51	July 15	19.26	June 2	22.19
25	1.30	Nov. 26	19.12	Oct. 7	20.40	July 8	23.10
Apr. 25	1.31	Dec. 13	8.25	Nov. 5	13.10	Sept. 10	23.60
May 22	1.25	Feb. 4, 1958	7.75	Dec. 2	0.55	Oct. 6	23.25
June 25	2.02	Mar. 5	7.47	Jan. 13, 1959	0.95	Nov. 3	22.79
July 23	20.34	Apr. 8	1.74	Feb. 3	0.83	Dec. 1	23.05
Aug. 21	21.17	May 6	0.99	Mar. 31	5.85		

## Lonoke County

2N8W-26dcl1. L. W. Cazer and L. W. Reynolds. Drilled irrigation well in deposits of Quaternary age, diam 24 in, depth 135 ft. Lsd 233.00 ft above msl. MP top of pit, 2.00 ft above lsd. Highest water level 45.23 below lsd, May 13, 1929; lowest 69.75 below lsd, Sept. 16, 1959. Records available: 1929-30, 1932, 1934-59.

May 13, 1929	45.23	Apr. 26, 1950	60.73	Apr. 23, 1956	66.65	Dec. 16, 1957	67.98
Apr. 21, 1930	45.86	Apr. 18, 1951	60.09	May 22	66.52	Jan. 30, 1958	67.48
Apr. 18, 1932	46.76	Apr. 12, 1952	63.02	June 25	67.30	Mar. 13	67.32
Feb. 20, 1934	48.22	Apr. 3, 1953	64.19	July 23	68.93	Apr. 2	67.22
Apr. 22, 1935	48.72	Apr. 7, 1954	65.67	Aug. 30	68.14	May 9	67.11
Mar. 11, 1936	48.59	Feb. 21, 1955	66.36	Sept. 24	67.88	June 2	67.62
May 4, 1937	49.26	Mar. 22	65.92	Oct. 18	67.36	Sept. 3	68.09
May 3, 1938	49.98	Apr. 22	65.48	Nov. 16	67.96	Oct. 10	67.91
May 2, 1939	50.95	May 23	65.71	Dec. 17	67.87	Nov. 3	67.25
May 2, 1940	50.08	June 27	66.05	Jan. 23, 1957	67.98	Dec. 5	68.11
May 2, 1941	50.91	July 25	68.19	Feb. 25	66.37	Jan. 9, 1959	68.67
May 2, 1942	51.22	Sept. 26	67.62	Apr. 1	65.84	Feb. 6	68.61
Apr. 4, 1943	51.46	Oct. 24	67.55	May 2	65.44	Mar. 4	67.94
Apr. 4, 1944	53.79	Nov. 29	68.88	20	65.66	Apr. 7	67.92
Apr. 19, 1945	55.28	Dec. 27	68.69	June 13	65.24	May 8	68.69
Apr. 24, 1946	56.30	Jan. 30, 1956	68.17	Sept. 23	68.63	Sept. 16	69.75
May 7, 1947	58.35	Feb. 21	68.11	Oct. 28	68.33	Nov. 2	68.17
Apr. 20, 1948	59.61	Apr. 3	66.14	Nov. 29	67.67	Dec. 4	68.03
Apr. 21, 1949	60.25						

3N7W-31cddl. Southern Rice Farms, Inc. Drilled irrigation well in deposits of Quaternary age, diam 24 in, depth reported 168 ft. Lsd 240.00 ft above msl. MP top east side of casing, at lsd (since Apr. 7, 1959). Highest water level 52.62 below lsd, Apr. 21, 1930; lowest 79.70 below lsd, Dec. 8, 1955. Records available: 1930-31, 1933-42, 1944-59.

Apr. 21, 1930	52.62	May 1, 1939	58.65	Apr. 20, 1948	67.45	Dec. 8, 1955	79.70
Apr. 20, 1931	53.59	May 2, 1940	59.00	Apr. 21, 1949	68.35	Apr. 3, 1956	77.02
Feb. 21, 1933	55.20	May 1, 1941	59.58	Apr. 26, 1950	68.69	Feb. 19, 1957	78.10
Feb. 28, 1934	54.98	May 2, 1942	59.58	Apr. 18, 1951	69.26	Apr. 4	77.16
Apr. 22, 1935	54.55	Apr. 24, 1944	62.60	Apr. 23, 1952	71.22	Mar. 24, 1958	77.04
Apr. 24, 1936	55.26	Apr. 19, 1945	64.11	Apr. 3, 1953	73.59	Dec. 23	77.65
May 4, 1937	57.57	Apr. 24, 1946	64.28	Apr. 7, 1954	75.06	Apr. 7, 1959	77.94
May 2, 1938	58.13	May 7, 1947	66.20	Apr. 1, 1955	77.07		

3N9W-17bcal. Pleasant Hill Baptist Church. Dug public-supply artesian well in deposits of Tertiary age, diam 30 in, depth 26 ft, cased 0-26. Lsd 296.00 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 2.17 below lsd, Jan. 29, 1958; lowest 15.33 below lsd, Oct. 17, 1956. Records available: 1955-59.

## 3N9W-17bca1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 22, 1955	9.80	Sept. 27, 1956	14.60	Nov. 29, 1957	3.35	Dec. 5, 1958	8.10
Aug. 26	11.58	Oct. 17	15.33	Dec. 16	2.69	Jan. 9, 1959	5.11
Sept. 26	13.79	Nov. 21	13.52	Jan. 29, 1958	2.17	Feb. 6	4.54
Oct. 24	14.30	Dec. 17	12.71	Mar. 13	2.62	Apr. 17	3.89
Nov. 23	14.84	Jan. 23, 1957	2.86	Apr. 11	3.91	May 8	4.70
Dec. 27	14.95	Mar. 22	2.88	30	2.63	June 5	6.15
Jan. 31, 1956	13.17	May 20	3.90	June 2	5.69	July 2	5.00
Feb. 20	2.64	June 12	3.57	July 18	6.53	Aug. 14	7.55
Apr. 5	3.53	July 22	6.33	Aug. 8	8.07	Sept. 16	8.89
June 22	9.44	Aug. 23	6.07	Sept. 8	8.60	Oct. 8	9.57
July 23	11.50	Sept. 23	8.30	Oct. 10	7.21	Nov. 2	9.41
Aug. 27	13.37	Oct. 28	6.98	Nov. 3	8.79	Dec. 4	10.60

4N8W-15bcb1. B. R. Smith. Drilled unused artesian well in deposits of Quaternary age, diam 6 in, depth 35 ft. Lsd 224.00 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 13.24 below lsd, Apr. 3, 1959; lowest 22.00 below lsd, Nov. 5, 1956. Records available: 1955-59.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.30	19.80	18.90	18.50	17.90	19.30	19.60	21.00	21.30	21.70	22.00	21.90
10	21.40	19.40	19.10	18.90	18.00	19.20	19.70	21.10	21.40	21.80	21.90	21.80
15	21.30	19.20	19.00	19.30	18.30	19.30	19.80	21.40	21.40	21.80	21.90	21.90
20	21.40	19.10	18.95	18.30	18.40	.....	19.90	21.30	21.50	21.90	21.80	21.90
25	21.40	18.50	18.60	18.50	18.70	19.40	20.10	21.50	21.60	21.90	21.80	21.90
Eom	21.00	19.00	18.50	18.50	19.00	19.50	20.30	21.20	21.70	21.80	21.90	21.80

1957

5	21.80	20.00	18.70	17.90	17.00	16.70	18.00	18.30	.....	17.90	16.80	15.80
10	21.80	19.50	18.50	17.90	17.30	16.70	18.40	18.10	17.00	18.20	16.70	15.40
15	21.80	19.70	18.60	.....	17.40	16.90	.....	.....	.....	18.00	.....	15.60
20	21.80	19.50	18.40	17.70	17.20	17.20	18.80	.....	17.30	17.80	.....	15.00
25	21.40	18.90	18.20	17.30	17.00	17.50	18.90	.....	17.60	17.10	15.70	15.20
Eom	20.30	18.90	18.20	17.00	16.90	17.80	18.80	17.60	17.80	16.60	15.60	15.00

1958

5	15.50	14.90	15.10	13.80	13.80	15.20	.....	15.20	16.40	15.80	16.80	15.10
10	15.20	15.20	14.80	14.00	13.80	15.40	14.80	15.30	16.60	15.80	16.90	15.60
15	.....	15.00	14.80	14.40	13.80	15.60	14.80	15.50	16.70	16.20	16.60	15.70
20	.....	15.30	14.70	14.30	14.00	15.40	15.10	15.70	16.30	16.20	16.00	15.40
25	.....	14.90	14.30	14.10	14.20	15.20	15.30	15.80	15.90	16.50	15.60	15.60
Eom	14.60	14.60	14.20	13.90	14.70	15.00	15.30	16.10	15.80	16.70	15.80	15.40

1959

5	15.70	14.40	13.50	13.50	14.00	14.70	14.60	c15.10	16.40	17.90	18.00	18.10
10	15.60	14.30	13.50	13.60	14.20	14.70	14.90	16.00	.....	17.30	18.10	18.20
15	15.10	14.20	13.30	13.70	14.60	14.20	15.20	15.90	.....	c17.00	18.10	17.40
20	14.50	14.20	13.60	13.40	14.40	14.30	15.20	c15.90	17.10	c18.50	18.00	16.80
25	14.60	13.90	13.40	13.60	14.50	14.30	15.00	16.20	17.00	c19.70	17.90	16.50
Eom	14.70	13.70	13.30	13.70	14.50	14.40	15.00	16.10	17.10	18.90	18.20	16.20

c Nearby well being pumped.

2S7W-18bbb1. Roy Chaney. Drilled irrigation artesian well in deposits of Quaternary age, diam 14 in, depth 104 ft. Lsd 203.00 ft above msl. MP at lsd. Highest water level 20.00 below lsd, Mar. 25, 1955; lowest 24.54 below lsd, Aug. 29, 1956. Records available: 1954-59. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28, 1956	21.68	Dec. 21, 1956	22.94	Sept. 23, 1957	23.09	June 2, 1958	21.90
Apr. 4	21.60	Jan. 23, 1957	23.08	Oct. 28	22.83	July 18	22.47
27	22.18	Feb. 25	22.82	Nov. 27	22.40	Aug. 7	22.53
May 29	22.54	Apr. 1	22.47	Dec. 11	22.33	Sept. 8	23.26
June 21	22.80	26	22.52	Jan. 27, 1958	21.96	Oct. 1	22.80
Aug. 29	24.54	May 20	22.45	Mar. 13	21.76	Nov. 3	22.51
Sept. 28	24.14	June 14	20.91	Apr. 10	21.52	Dec. 5	22.41
Oct. 18	23.65	July 22	23.91	May 9	20.87	Jan. 9, 1959	22.66
Nov. 21	23.75	Aug. 23	23.08				

Miller County

15S26W-35aabl. S. S. Crank Farm. Drilled irrigation well in deposits of Quaternary age, diam 18 to 8 in, reported depth 60 ft. Lsd 231± ft above msl. MP east side of pump, 1.00 ft above lsd. Highest water level 2.38 below lsd, May 6, 1958; lowest 13.37 below lsd, Sept. 25, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1957	12.74	Nov. 26, 1957	7.91	Oct. 8, 1958	9.07	Apr. 1, 1959	6.87
Mar. 4	10.08	Dec. 13	4.97	Nov. 5	7.87	May 6	6.18
25	9.08	Feb. 4, 1958	4.07	Dec. 2	8.12	Oct. 6	9.66
Apr. 25	6.48	Mar. 5	3.99	Jan. 13, 1959	7.48	Nov. 4	9.21
Sept. 25	13.37	Apr. 8	4.45	Feb. 3	6.92	Dec. 2	8.93
Oct. 30	9.05	May 6	2.38				

Mississippi County

11N11E-18cddl. J. K. Hampson. Driven domestic well in deposits of Quaternary age, diam 1½ in, depth 100 ft. Lsd 240.00 ft above msl. MP 2.80 ft above lsd. Highest water level 10.25 below lsd, May 20, 1958; lowest 31.00 below lsd, Dec. 15, 1956. Records available: 1956-58. Measurement discontinued.

Dec. 15, 1956	31.00	May 5, 1957	15.54	Sept. 4, 1957	27.15	Feb. 15, 1958	19.94
Jan. 6, 1957	29.54	10	17.59	10	27.53	20	21.20
10	29.43	15	20.39	15	27.81	25	22.84
15	29.61	20	21.64	20	27.99	28	23.79
21	29.33	25	18.69	25	28.30	Mar. 5	23.71
25	29.32	30	13.22	30	28.46	10	22.23
31	28.87	June 5	12.52	Oct. 5	28.74	15	20.64
Feb. 5	27.70	10	15.01	10	28.90	20	20.06
10	25.01	15	16.88	15	29.07	24	20.10
15	22.07	20	17.39	20	29.20	30	18.95
19	19.42	25	18.27	25	29.29	Apr. 5	18.07
25	16.86	30	19.23	30	29.34	10	18.31
27	17.37	July 5	18.87	Nov. 5	29.42	15	17.79
Mar. 4	18.36	10	17.46	11	29.40	20	17.37
10	19.48	16	19.06	15	29.16	26	18.29
15	20.25	20	20.36	20	28.16	29	18.56
20	20.96	25	21.81	25	25.88	May 5	15.01
25	22.09	31	22.82	30	23.18	10	12.92
31	22.65	Aug. 5	23.30	Dec. 5	21.74	15	10.65
Apr. 6	22.53	9	24.15	10	21.67	20	10.25
10	21.10	14	25.03	15	20.73	25	10.77
15	15.45	19	25.69	21	19.64	28	12.92
21	13.51	25	26.37	25	18.27	Sept. 30	25.61
25	12.88	30	26.80	30	16.33	Dec. 30	28.39
30	13.87						

14N10E-18dbbl. R. A. Greenway. Drilled irrigation well in deposits of Quaternary age, diam 16 in, depth 101 ft, cased 0-51, screened 51-101. Lsd 238.00 ft above msl. MP southeast edge of pit casing, 0.40 ft above lsd. Highest water level 4.90 below lsd, Dec. 11, 1957; lowest 14.06 below lsd, Jan. 15, 1957. Records available: 1955, 1957-59. No measurement in 1956.

May 10, 1955	9.90	July 17, 1957	10.47	May 13, 1958	5.80	Feb. 11, 1959	9.94
Aug. 16	12.70	Aug. 28	9.68	June 10	9.04	Mar. 11	8.07
Dec. 13	13.70	Sept. 18	10.83	July 21	8.82	Apr. 14	9.66
Jan. 15, 1957	14.06	Oct. 16	10.51	Aug. 5	9.41	May 19	9.92
Feb. 15	12.53	Nov. 21	5.79	Sept. 16	11.87	June 16	10.08
Mar. 27	9.92	Dec. 11	4.90	Oct. 14	11.41	Sept. 21	10.39
Apr. 17	8.09	Jan. 28, 1958	7.80	Nov. 17	11.20	Oct. 22	11.03
May 15	7.47	Feb. 10	8.10	Dec. 16	10.84	Nov. 17	10.91
June 18	8.10	Mar. 11	7.11	Jan. 20, 1959	10.15	Dec. 22	9.25

Monroe County

3N2W-29bcd1. A. W. Ward. Drilled irrigation well in deposits of Quaternary age, diam 18 to 8 in, depth 129 ft, cased 0-99, screened 99-129. Lsd 186.00 ft above msl. MP cutout south side of casing, at lsd. Highest water level 22.95 below lsd, May 18, 1959; lowest 26.85 below lsd, Jan. 18, 1957. Records available: 1957-59.

Jan. 18, 1957	26.85	May 15, 1957	24.98	Nov. 21, 1957	25.35	Mar. 12, 1958	23.71
Feb. 14	26.19	June 12	24.57	Dec. 11	24.98	Apr. 15	23.40
Mar. 12	26.14	Sept. 18	25.61	Jan. 30, 1958	24.47	May 14	23.25
Apr. 15	25.49	Oct. 16	25.27	Feb. 11	23.86	Aug. 7	25.36

## 3N2W-29bcd1-- Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15, 1958	25.05	Jan. 23, 1959	24.30	May 18, 1959	22.95	Oct. 21, 1959	24.95
Oct. 16	25.75	Feb. 12	23.85	June 16	23.71	Nov. 18	24.87
Nov. 18	24.70	Mar. 10	23.42	Sept. 24	24.90	Dec. 24	24.74
Dec. 17	24.48	Apr. 15	23.20				

Ouachita County

12S16W-12adb1. J. S. J. Lyle Estate. Formerly owner unknown. Drilled irrigation artesian well in Sparta sand (previously reported deposits of Quaternary age), diam 12 in, reported depth 300 ft. Lsd 150.00 ft above msl. MP top of pit, 1.50 ft above lsd (since Sept. 9, 1958). Highest water level 22.54 below lsd, May 4, 1959; lowest 27.23 below lsd, Oct. 16, 1956. Records available: 1954-59.

Feb. 23, 1958	25.57	Jan. 24, 1957	27.00	Dec. 12, 1957	25.69	Dec. 3, 1958	23.33
Apr. 10	24.75	Feb. 27	26.50	Feb. 3, 1958	25.53	Jan. 12, 1959	23.15
24	24.71	Mar. 25	26.62	Mar. 5	25.47	Feb. 4	23.11
May 14	24.89	Apr. 25	24.97	Apr. 8	25.31	May 4	22.54
June 26	25.25	May 21	25.99	June 9	23.96	June 30	22.58
July 24	26.20	June 20	25.88	July 15	24.13	July 7	22.65
Aug. 28	26.62	July 23	26.17	Aug. 6	24.31	Aug. 18	23.06
Sept. 26	27.04	Aug. 19	26.36	Sept. 9	23.80	Sept. 9	23.17
Oct. 16	27.23	Sept. 26	26.27	Oct. 8	23.64	Oct. 5	23.16
Nov. 19	27.02	Oct. 29	26.07	Nov. 6	23.98	Dec. 3	23.02
Dec. 19	26.35	Nov. 25	25.88				

Pike County

7S26W-30aaal. U. S. Corps of Engineers. Drilled public-supply well in Stanley shale, diam 8 to 2 in, reported depth 85 ft. Lsd 563± ft above msl. MP plug in pumpbase, 0.50 ft above lsd. Highest water level 3.40 below lsd, May 6, 1958; lowest 26.25 below lsd, Jan. 21, 1957. Records available: 1957-59.

Jan. 21, 1957	26.25	Oct. 30, 1957	22.23	Aug. 5, 1958	21.41	May 5, 1959	23.49
Mar. 5	18.16	Nov. 26	18.27	Sept. 10	24.80	June 2	23.90
26	17.03	Dec. 13	20.35	Oct. 7	24.02	July 8	22.68
Apr. 25	10.93	Feb. 5, 1958	21.35	Nov. 4	24.30	Aug. 19	23.70
May 22	9.96	Mar. 6	22.27	Dec. 2	21.69	Sept. 10	24.42
June 25	13.14	Apr. 8	14.99	Jan. 13, 1959	21.89	Oct. 6	23.32
July 23	16.03	May 6	3.40	Feb. 3	21.09	Nov. 2	22.99
Aug. 21	22.05	June 5	17.41	Mar. 31	20.79	Dec. 1	23.54
Sept. 25	20.77	July 16	19.10				

Poinsett County

10N3E-14daal. Carl Miller. Drilled irrigation well in deposits of Quaternary age, diam 8 in, depth 165 ft, cased 0-125, screened 125-165. Lsd 286.00 ft above msl. MP top south side of pit, 0.50 ft above lsd. Highest water level 79.45 below lsd, Apr. 15, 1959; lowest 84.04 below lsd, Aug. 6, 1958. Records available: 1957-59.

Jan. 16, 1957	80.80	Oct. 16, 1957	81.73	June 12, 1958	81.56	Feb. 12, 1959	80.89
Feb. 13	80.45	Nov. 21	81.25	July 23	81.37	Mar. 12	79.54
Mar. 21	79.88	Dec. 11	81.13	Aug. 6	84.04	Apr. 15	79.45
Apr. 18	80.46	Jan. 28, 1958	80.48	Sept. 16	81.48	May 18	79.68
May 15	80.08	Feb. 12	80.66	Oct. 16	81.12	Sept. 22	81.43
June 19	79.81	Mar. 11	80.48	Nov. 19	81.01	Oct. 21	82.27
July 16	81.83	Apr. 17	79.96	Dec. 17	80.74	Nov. 18	82.20
Aug. 18	81.97	May 13	79.98	Jan. 22, 1959	81.13	Dec. 24	82.07

Prairie County

18SW-4ccc1. Vince Sokora. Drilled irrigation well in Sparta sand, diam 24 in. Lsd 218.50 ft above msl. MP 0.50 ft above lsd. Highest water level 95.43 below lsd, Jan. 30, 1956; lowest 100.40 below lsd, Aug. 30, 1956. Records available: 1953-59. Measurement discontinued December 1959.

Jan. 30, 1956	95.43	June 25, 1956	96.74	Nov. 26, 1956	96.75	May 2, 1957	96.03
Feb. 21	96.71	July 23	96.74	Dec. 21	96.42	20	96.75
Apr. 5	96.72	Aug. 30	100.40	Jan. 23, 1957	96.65	June 14	96.72
23	96.71	Sept. 24	99.46	Feb. 25	96.10	July 22	96.59
May 29	97.45	Oct. 18	97.02	Apr. 1	96.69	Aug. 23	96.71



## 185W-4cccl--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 23, 1957	96.88	May 9, 1958	96.44	Dec. 5, 1958	96.47	June 5, 1959	98.02
Oct. 28	96.79	June 2	96.66	Jan. 9, 1959	95.83	July 6	96.68
Nov. 29	96.17	July 17	96.52	Feb. 6	95.66	Aug. 3	97.01
Dec. 16	96.62	Aug. 8	96.79	Mar. 4	96.74	Sept. 16	96.67
Jan. 30, 1958	96.40	Sept. 3	96.72	Apr. 7	96.79	Oct. 8	96.48
Mar. 13	96.69	Oct. 10	96.80	May 8	97.15	Nov. 2	96.27
Apr. 11	96.56	Nov. 3	96.70				

185W-20abbl. U. S. Air Force Air Base. Near Stuttgart. Drilled irrigation artesian well in sand of Claiborne group, diam 12 to 8 in, depth 632 ft. Lsd 218.00 ft above msl. MP top of pit, at lsd (since Sept. 27, 1954). Highest water level 50.43 below lsd, Apr. 29, 1938; lowest 95.35 below lsd, Sept. 27, 1954. Records available: 1937-42, 1947, 1949-59.

Jan. 30, 1956	73.56	Feb. 25, 1957	72.60	Mar. 13, 1958	69.10	Feb. 6, 1959	76.11
Feb. 21	72.28	Apr. 1	70.79	Apr. 11	69.01	Mar. 4	75.52
Apr. 5	70.53	May 2	70.53	May 9	68.87	Apr. 7	70.96
23	70.18	20	70.20	June 2	87.47	May 8	71.66
May 29	82.52	Sept. 23	78.75	Oct. 10	76.17	Sept. 16	85.35
Oct. 18	82.63	Oct. 28	75.33	Nov. 3	76.33	Oct. 8	82.38
Nov. 26	78.15	Nov. 29	74.93	Dec. 5	76.03	Nov. 2	82.15
Dec. 21	77.79	Dec. 16	71.90	Jan. 9, 1959	76.29	Dec. 4	81.94
Jan. 23, 1957	74.59	Jan. 30, 1958	70.60				

186W-12cbb1. Elmer Seidenschwarz. Drilled irrigation artesian well in sand of Claiborne group, diam 18 to 8 in, depth 545 ft. Lsd 227.50 ft above msl. MP top north side of casing, 0.50 ft above lsd. Highest water level 58.88 below lsd, Jan. 19, 1929; lowest 84.11 below lsd, Apr. 5, 1955. Records available: 1929, 1936, 1940-44, 1947-59. Mar. 30, 1956, 79.63; Apr. 1, 1957, 79.37; Apr. 3, 1958, 76.80; Apr. 8, 1959, 79.19.

2N6W-24cbc1. V. A. Carter. Drilled irrigation well in deposits of Quaternary age, diam 18 in, depth 119 ft. Lsd 227.00 ft above msl. MP 1.00 ft above lsd. Highest water level 91.40 below lsd, Apr. 22, 1955; lowest 99.83 below lsd, July 18, 1958. Records available: 1955-59. Measurement discontinued.

Feb. 21, 1955	92.98	Jan. 30, 1956	93.70	Dec. 21, 1956	94.64	June 2, 1958	96.01
Mar. 22	91.90	Feb. 21	93.36	Jan. 23, 1957	95.03	July 18	99.83
Apr. 22	91.40	Apr. 3	92.17	Feb. 25	93.12	Aug. 8	95.72
May 23	94.46	23	92.81	Apr. 1	93.53	Nov. 3	94.54
June 27	93.98	May 22	94.90	May 2	93.17	Dec. 5	94.07
July 25	93.47	June 25	96.70	20	92.84	Jan. 9, 1959	94.40
Aug. 25	98.95	July 23	97.13	June 13	92.72	Feb. 6	94.29
Sept. 26	98.98	Aug. 30	98.85	July 22	95.29	Mar. 4	93.54
Oct. 24	95.44	Sept. 24	98.37	Mar. 13, 1958	93.41	Apr. 7	93.57
Nov. 29	94.61	Oct. 18	94.70	Apr. 1	93.19	May 8	95.10
Dec. 27	94.15	Nov. 26	95.09	May 9	92.98		

3N5W-19ddc1. J. J. Screeton. Well 5. Drilled irrigation well in deposits of Quaternary age, diam 18 in, depth 130 ft. Lsd 216.00 ft above msl. MP top of casing, 2.00 ft above lsd (since Feb. 20, 1957). Highest water level 50.40 below lsd, Apr. 23, 1959; lowest 55.54 below lsd, Nov. 2, 1954. Records available: 1954-59.

Mar. 27, 1954	50.65	Dec. 6, 1955	55.08	Feb. 20, 1957	54.20	Dec. 31, 1958	51.35
Nov. 2	55.54	Apr. 30, 1956	54.89	Mar. 28, 1958	50.75	Apr. 23, 1959	50.40
Mar. 29, 1955	53.14						

4N5W-9cdc1. W. B. Patterson. Drilled irrigation well in deposits of Quaternary age, diam 18 to 12 in. Lsd 210.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 41.54 below lsd, Mar. 26, 1958; lowest 54.32 below lsd, Dec. 6, 1954. Records available: 1954-59.

Dec. 6, 1954	54.32	Dec. 5, 1955	50.50	Feb. 20, 1957	48.40	Dec. 31, 1958	42.63
Mar. 30, 1955	48.59	May 1, 1956	47.00	Mar. 26, 1958	41.54	Apr. 23, 1959	42.85

Pulaski County

2N10W-5bcc2. George McCain. Drilled irrigation well in deposits of Quaternary age, diam 18 in, depth reported 76 ft. Lsd 239.00 ft above msl. MP cutout east side of casing, at lsd. Highest water level 10.30 below lsd, Mar. 22, 1955; lowest 31.95 below lsd, Aug. 27, 1956. Records available: 1955-59.

## 2N10W-5bcc2-- Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1955	18.90	Apr. 20, 1956	16.28	May 20, 1957	18.27	Dec. 5, 1958	21.77
22	10.30	July 23	29.78	June 12	13.80	Jan. 9, 1959	22.10
Apr. 22	15.50	Aug. 27	31.95	Oct. 28	23.90	Feb. 27	16.65
June 27	19.08	Sept. 24	29.93	Nov. 27	23.76	Apr. 17	15.38
July 22	19.66	Oct. 17	29.23	Jan. 30, 1958	21.85	May 8	13.76
Aug. 26	24.30	Nov. 16	29.36	Mar. 13	18.17	July 6	15.35
Sept. 26	23.13	Dec. 21	30.22	Apr. 11	18.01	Aug. 14	25.02
Oct. 24	23.78	Jan. 23, 1957	26.75	June 2	20.55	Sept. 16	17.98
Dec. 1	24.93	Feb. 25	25.57	Sept. 8	29.88	Oct. 8	25.72
Jan. 25, 1956	24.22	Mar. 28	25.39	Oct. 10	27.81	Nov. 2	25.25
Apr. 5	16.73	May 2	16.99	Nov. 3	26.76		

2N10W-16bac1. Hal Young. Drilled irrigation well in deposits of Quaternary age, diam 18 in, depth 97 ft. Lsd 242.00 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 6.89 below lsd, Apr. 3, 1953; lowest 21.85 below lsd, Sept. 26, 1955. Records available: 1953-59.

Jan. 31, 1956	15.50	Nov. 16, 1956	16.92	Nov. 27, 1957	14.42	Oct. 10, 1958	15.31
Feb. 20	15.12	Dec. 21	16.61	Jan. 30, 1958	13.71	Nov. 3	14.90
Apr. 5	15.60	Jan. 23, 1957	15.90	Mar. 13	13.29	Dec. 5	13.31
20	15.75	Feb. 25	14.70	Apr. 11	12.18	Jan. 9, 1959	13.78
May 21	16.07	May 2	13.30	30	12.00	Feb. 27	12.45
June 20	15.55	20	13.61	June 2	12.00	Apr. 17	12.63
July 23	20.78	June 12	14.29	July 18	12.98	May 8	13.20
Aug. 27	20.55	Sept. 23	19.33	Aug. 8	15.76	July 6	14.08
Sept. 24	16.69	Oct. 28	18.98	Sept. 8	15.53	Sept. 16	13.90
Oct. 17	17.00						

## Sevier County

8831W-26baa1. James Stubbs. Dug unused water-table well in Trinity group, diam 24 to 36 in, depth 24 ft, cribbed with brick. Lsd 475± ft above msl. MP northwest corner of curbing, 0.50 ft above lsd. Highest water level 4.25 below lsd, May 6, 1958; lowest 22.01 below lsd, July 23, 1957. Records available: 1957-59.

Jan. 25, 1957	21.35	Oct. 30, 1957	19.34	Aug. 5, 1958	14.53	May 5, 1959	9.84
Mar. 4	21.31	Nov. 26	17.62	Sept. 10	19.37	June 2	10.30
25	19.01	Dec. 13	17.58	Oct. 7	18.73	July 9	11.48
Apr. 25	17.38	Feb. 4, 1958	14.03	Nov. 5	19.25	Aug. 18	17.53
May 22	15.67	Mar. 6	13.87	Dec. 2	17.95	Sept. 10	18.14
June 25	21.52	Apr. 8	11.40	Jan. 13, 1959	17.47	Oct. 6	19.70
July 23	22.01	May 6	4.25	Feb. 3	17.27	Nov. 3	19.53
Aug. 21	19.04	June 6	13.04	Mar. 31	14.10	Dec. 1	20.15
Sept. 25	19.32	July 15	14.47				

## Union County

17S15W-17dad2. Arkansas-Louisiana Gas Co. Drilled industrial artesian well in sand of Claiborne group, diam 10 in, depth 637 ft. Lsd 161.50 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 189.30 below lsd, Feb. 18, 1947; lowest 307.49 below lsd, Oct. 5, 1959. Records available: 1947, 1949-59.

Feb. 23, 1956	274.18	Mar. 25, 1957	279.75	Mar. 5, 1958	287.51	Jan. 14, 1959	290.49
Apr. 24	264.85	Apr. 24	278.58	Apr. 8	288.66	Feb. 4	291.17
May 23	271.66	May 21	279.78	May 5	285.33	Apr. 1	293.30
June 27	275.25	June 20	284.09	June 4	287.86	May 6	295.42
July 24	280.35	July 23	294.88	July 15	288.17	June 1	301.15
Sept. 26	282.95	Aug. 20	295.46	Aug. 6	290.40	Aug. 18	302.57
Oct. 15	283.39	Sept. 26	293.11	Sept. 9	294.24	Sept. 9	302.97
Nov. 19	277.92	Oct. 29	292.91	Oct. 8	295.14	Oct. 5	307.49
Dec. 18	274.83	Nov. 26	292.38	Nov. 6	293.70	Nov. 4	303.13
Jan. 24, 1957	277.38	Dec. 12	290.85	Dec. 3	289.27	Dec. 2	305.04
Feb. 26	277.02	Feb. 3, 1958	289.82				

17S15W-18dbb1. Lion Oil Chemical Co. Drilled unused (previously reported observation) artesian well in Sparta sand, diam 8 in, depth 540 ft. Lsd 182.93 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 269.70 below lsd, Apr. 20, 1956; lowest 321.90 below lsd, Oct. 15, 1959. Records available: 1954-59.

17S15W-18dbb1--Continued.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	287.30	284.10	.....	274.10	281.20	284.80	291.70	295.00	294.50	288.60	288.70
10	.....	287.00	282.10	271.50	275.40	282.30	286.30	.....	293.80	294.10	287.60	288.50
15	.....	287.00	280.00	270.00	276.20	283.50	286.70	.....	293.00	294.30	286.30	288.90
20	.....	287.00	278.40	269.70	276.20	283.90	285.10	291.70	292.90	294.50	285.30	289.50
25	.....	285.10	279.70	273.80	278.70	282.40	288.10	.....	290.50	292.80	289.20	286.50
Eom	288.20	284.60	278.10	273.40	280.70	284.80	291.20	295.40	293.20	.....	289.00	285.40

1957

5	285.90	289.70	290.30	288.90	287.00	290.60	288.70	.....	.....	.....	304.70	304.70
10	284.50	291.30	290.10	288.10	290.20	290.80	300.20	.....	.....	.....	304.90	304.60
15	284.20	289.80	290.50	288.90	286.80	291.30	302.20	.....	.....	.....	304.60	302.00
20	284.30	290.90	291.50	290.40	291.40	295.30	.....	304.90	.....	.....	305.10	301.60
25	288.70	287.60	290.70	290.90	291.20	295.40	.....	.....	.....	.....	305.30	302.80
Eom	289.50	290.30	287.90	287.90	290.80	297.10	.....	.....	.....	305.40	304.70	303.20

1958

5	303.20	.....	.....	300.60	296.30	.....	299.40	302.40	306.80	306.90	306.80	305.30
10	303.10	.....	299.60	301.80	.....	301.80	299.40	303.20	307.70	307.20	306.50	305.60
15	303.20	.....	299.10	300.00	.....	302.20	299.10	304.90	307.40	306.70	306.60	306.10
20	301.90	.....	299.10	299.70	.....	302.10	300.00	305.30	307.30	306.60	302.70	306.00
25	.....	.....	299.00	.....	.....	301.70	299.70	304.90	307.90	306.00	304.80	305.70
Eom	.....	.....	298.20	.....	.....	299.80	301.40	306.30	307.90	306.80	304.70	305.20

1959

5	305.70	307.30	308.70	310.00	306.40	312.00	315.40	316.10	319.80	321.10	317.70	316.80
10	306.10	307.20	309.90	308.50	309.30	312.60	315.70	316.90	319.50	320.70	318.50	317.80
15	305.90	307.70	310.30	309.10	310.60	312.60	316.50	317.90	318.60	321.90	317.70	318.80
20	305.10	308.30	309.30	308.00	308.70	311.50	316.00	318.30	317.20	321.20	316.60	318.50
25	305.00	308.00	308.50	308.00	311.50	313.40	315.70	319.50	318.30	320.90	316.70	318.30
Eom	307.50	308.40	308.90	306.30	312.00	314.90	315.50	319.70	320.20	319.60	316.50	318.90

## White County

6N7W-30bca1. Jim Bergam. Drilled unused well in deposits of Quaternary age, diam 6 in, depth 88 ft. Lsd 234.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 24.33 below lsd, June 2, 1958; lowest 29.61 below lsd, Jan. 23, 1957. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 22, 1955	27.96	Sept. 27, 1956	28.72	Nov. 1, 1957	26.68	Dec. 3, 1958	25.83
Aug. 26	28.14	Oct. 17	28.87	29	26.21	Jan. 8, 1959	25.67
Sept. 26	28.55	Nov. 21	29.15	Dec. 16	26.13	Feb. 6	25.53
Oct. 24	28.85	Dec. 17	29.34	Jan. 29, 1958	25.81	May 8	24.45
Nov. 22	28.49	Jan. 23, 1957	29.61	Apr. 11	25.47	June 5	26.30
Dec. 27	29.03	Mar. 22	25.94	June 2	24.33	July 2	25.22
Jan. 24, 1956	29.02	Apr. 19	26.23	July 18	24.82	Aug. 14	25.60
Feb. 20	27.54	May 20	27.16	Aug. 8	25.34	Sept. 16	25.30
May 21	28.00	June 12	27.10	Sept. 8	25.48	Oct. 8	26.62
June 20	28.89	July 22	27.18	Oct. 10	25.17	Nov. 2	27.05
Aug. 27	28.43	Sept. 23	27.00	Nov. 3	26.30	Dec. 4	26.71

## Woodruff County

8N3W-31aad1. E. B. Conner. Drilled irrigation well in deposits of Quaternary age, diam 14 in, depth 110 ft, cased 0-80, screened 80-110. Lsd 215.00 ft above msl. MP hole east side of pit, 1.00 ft above lsd. Highest water level 16.07 below lsd, Dec. 10, 1959; lowest 21.46 below lsd, Jan. 16, 1957. Records available: 1957-59.

Jan. 16, 1957	21.46	Oct. 15, 1957	20.55	July 23, 1958	17.65	Apr. 14, 1959	16.86
Feb. 13	21.32	Nov. 20	19.37	Aug. 5	17.51	May 18	17.07
Mar. 21	21.20	Dec. 10	18.98	Sept. 18	17.19	June 15	17.26
Apr. 15	21.11	Jan. 27, 1958	18.48	Oct. 15	16.74	July 14	18.04
May 14	21.12	Feb. 12	18.05	Nov. 19	16.51	Aug. 10	19.10
June 19	20.87	Mar. 11	17.97	Dec. 16	16.15	Sept. 23	20.13
July 16	20.87	Apr. 15	17.48	Jan. 21, 1959	16.77	Oct. 20	17.69
Aug. 27	21.19	May 15	17.20	Feb. 11	16.86	Nov. 18	17.18
Sept. 17	20.81	June 11	17.42	Mar. 12	16.43	Dec. 10	16.07

## References

- Bedinger, M. S., and Reed, J. E., Geology and ground-water resources of Desha and Lincoln Counties, Arkansas: U. S. Geol. Survey (in press).
- Counts, H. B., 1957, Ground-water resources of parts of Lonoke, Prairie, and White Counties, Arkansas: Arkansas Geol. and Conserv. Comm. Water Resources Circ. 5.
- Onellion, F. E., 1956, Geology and ground-water resources of Drew County, Arkansas: Arkansas Geol. and Conserv. Comm. Water Resources Circ. 4.
- Sniegocki, R. T., 1956, Progress report on studies of artificial recharge in the Grand Prairie region, Arkansas: U. S. Geol. Survey open-file rept.

# LOUISIANA

By A. N. Turcan, Jr., G. T. Cardwell, W. H. Walker, and Alfred H. Harder

## Scope of Water-Level Program

The observation-well program in Louisiana was continued during 1956 through 1959 in cooperation with the Louisiana Department of Public Works and the Louisiana Geological Survey, Department of Conservation. Water-level measurements were made in 104 wells in 39 parishes during 1959 as part of this program. Continuing measurements were made in 33 wells equipped with recording gages. These provide a record of long-term water-level fluctuations in the principal aquifers of the state. Figures 4, 5, and 6 show the location of observation wells included in this report.

Numerous water-level measurements in the many other wells that are included in the statewide network of observation wells are available in the Louisiana District Office at Baton Rouge.

## Well Location and Numbering System

The observation wells are listed alphabetically by parishes and numerically within each parish. Each well number consists of one or more letters of the parish name and a serial number; for example, Ac-40 is the 40th well in Acadia Parish.

## Water-Level Measurements

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

### Acadia Parish

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 Chicot aquifer of Pleistocene age, diam 8 in, depth 303 ft. Lsd 31.91 ft above msl. MP top of recorder-shelter floor, 3.05 ft above lsd. Highest water level 25.36 below lsd, Apr. 3, 1942; lowest 76.64 below lsd, July 10, 1953. Records available: 1939-59. For additional measurements, see Jones and others (1954).

#### Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	50.36	48.76	47.74	46.94	50.10	59.73	74.63	68.00	61.64	58.28	56.10	54.08
10	50.12	48.52	47.60	.....	58.20	61.80	74.67	67.90	60.82	58.20	55.75	56.15
15	49.82	48.34	47.33	.....	62.75	64.03	72.83	67.02	60.69	57.68	55.49	53.37
20	49.62	48.18	47.24	.....	60.56	64.71	74.08	65.82	59.87	57.23	54.93	52.83
25	49.35	48.05	47.10	.....	67.52	65.60	70.47	65.32	59.14	57.63	54.54	52.63
Eom	49.15	.....	46.98	.....	62.09	72.24	68.21	62.77	58.83	56.42	54.26	52.27

1957

5	52.06	50.55	49.23	48.07	47.93	55.85	60.80	62.03	63.08	e57.05	54.34	52.06
10	51.82	50.32	49.15	47.98	49.23	54.13	66.63	62.05	62.03	57.54	53.85	51.68
15	51.55	50.14	48.97	47.86	48.93	59.27	70.78	60.65	60.15	e56.50	53.27	51.44
20	51.42	49.88	48.70	47.61	50.13	59.76	68.15	62.10	59.94	e55.90	52.95	56.01
25	51.09	49.57	48.45	47.48	54.52	59.97	66.00	62.02	59.12	e55.20	52.58	50.84
Eom	50.77	49.49	48.30	47.52	62.44	.....	65.65	62.56	57.53	54.42	52.35	50.47

1958

5	50.33	48.78	47.65	46.51	49.54	62.29	66.13	67.33	58.68	54.19	52.42	50.35
10	50.02	48.58	47.41	46.55	53.13	61.86	64.20	66.89	58.64	53.72	52.02	50.13
15	49.69	48.30	47.32	46.35	56.80	62.90	63.30	.....	56.93	54.37	51.53	49.97
20	49.41	48.24	47.17	46.51	55.22	65.56	62.80	.....	55.92	53.04	51.29	49.84
25	49.13	47.85	46.82	46.53	53.86	67.90	63.92	.....	55.28	52.81	50.97	49.45
Eom	48.88	47.69	46.68	47.28	57.91	63.23	64.25	58.64	54.67	53.15	50.77	49.03

e Estimated.

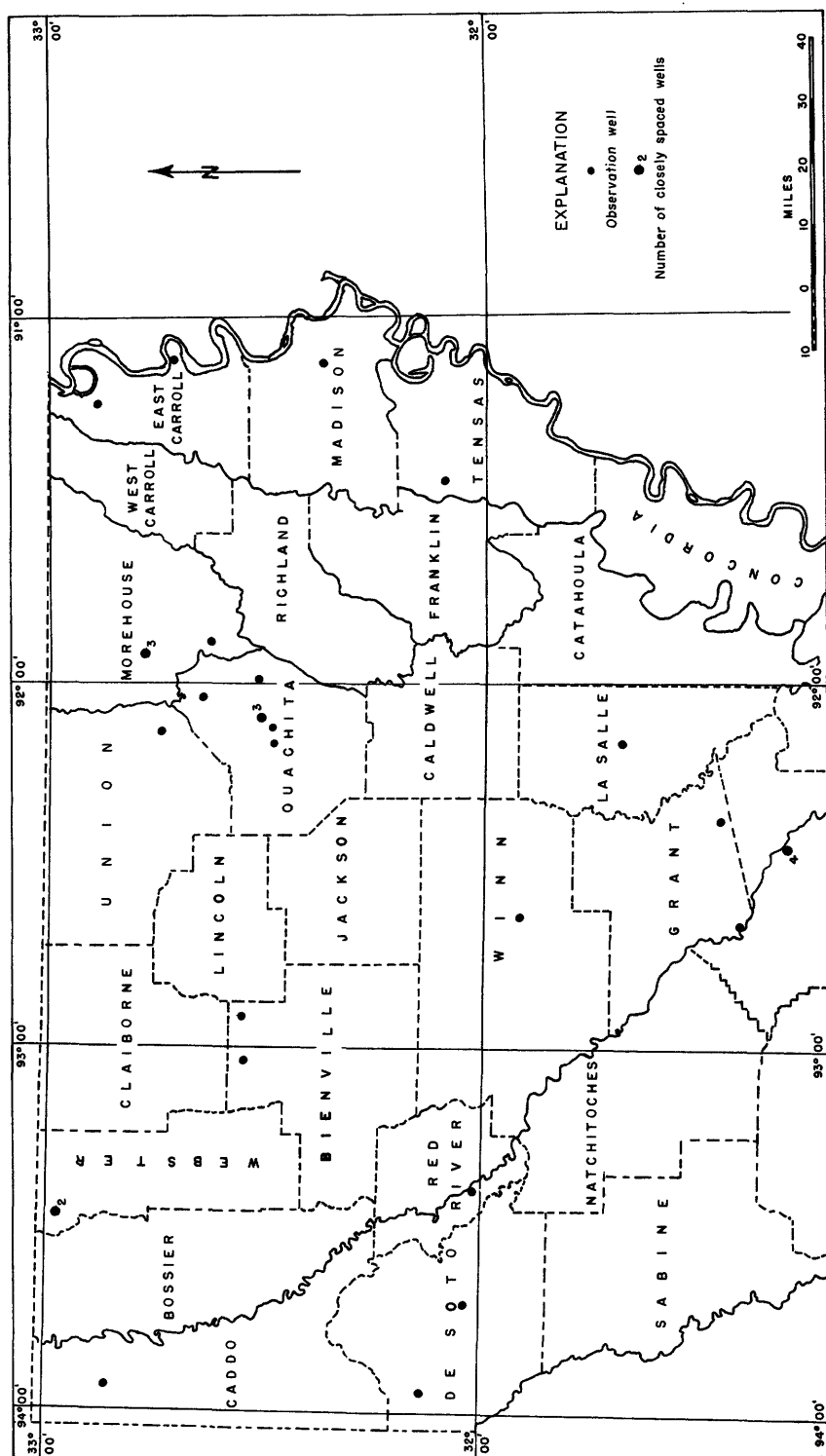


Figure 4. --- Location of observation wells in northern Louisiana, 1956-59.

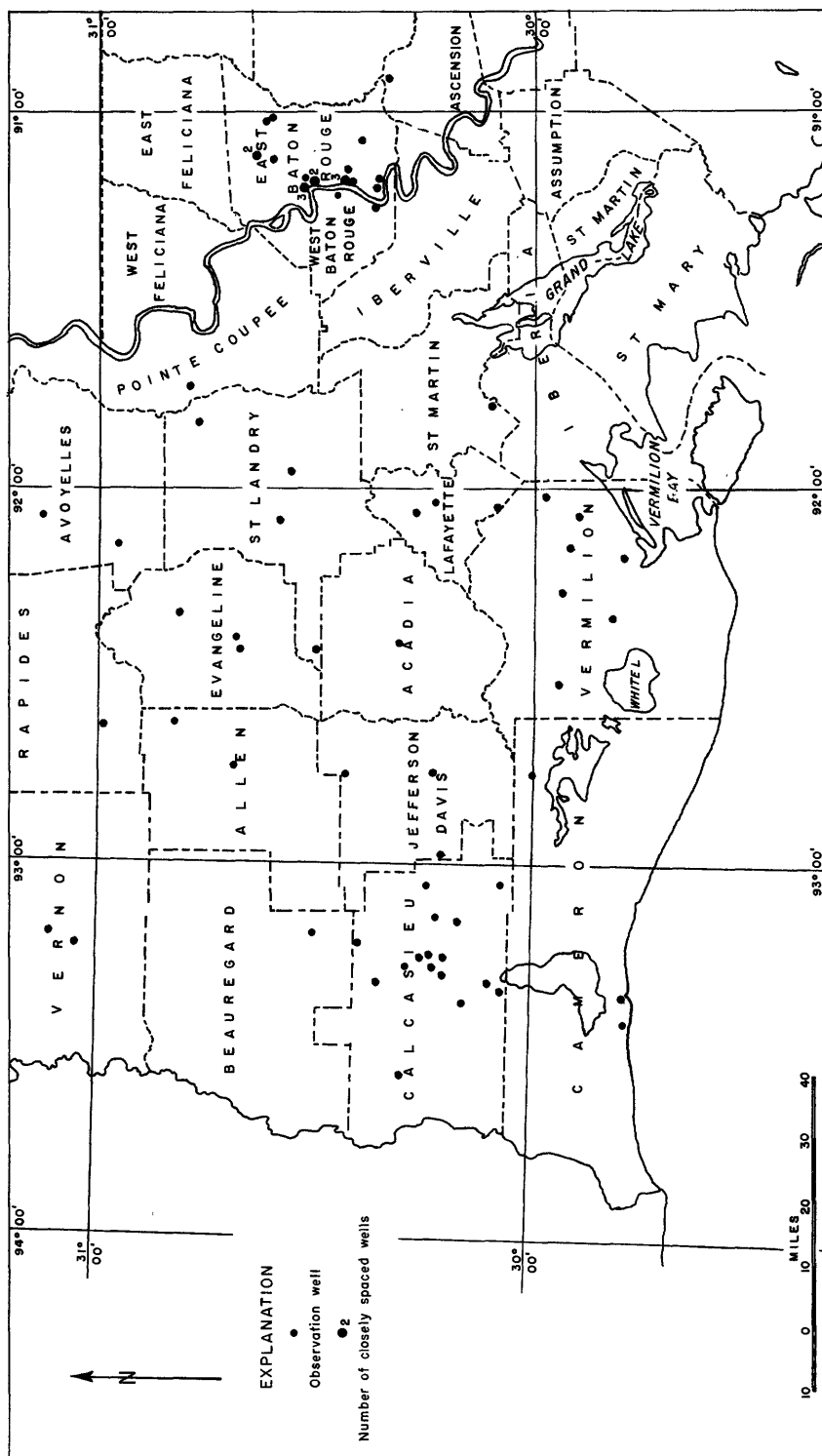


Figure 5.--Location of observation wells in southwestern Louisiana, 1956-59.

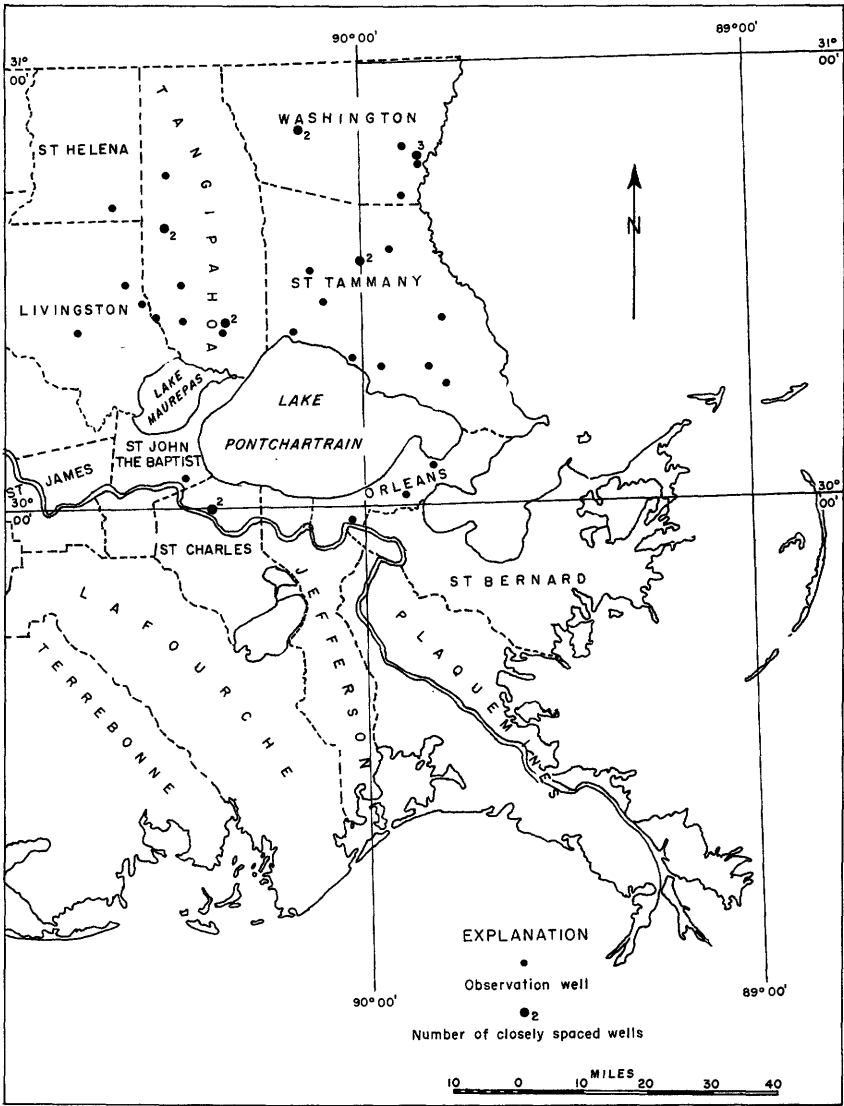


Figure 6. --Location of observation wells in southeastern Louisiana, 1956-59.



## Ac-40--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	48.93	47.28	46.10	46.72	54.56	58.19	65.11	60.64	58.69	53.47	51.13	49.48
10	48.70	47.17	46.06	46.44	57.99	56.28	66.27	60.76	57.18	53.52	50.95	49.33
15	48.33	46.95	45.90	46.78	58.20	58.65	63.32	64.17	56.08	52.90	50.59	48.93
20	48.12	46.85	45.81	46.52	58.41	58.40	65.75	61.91	57.57	52.48	50.28	48.51
25	48.02	46.39	45.65	48.59	56.24	63.62	66.70	60.77	55.83	52.04	49.92	48.38
Eom	47.51	46.36	45.74	51.14	54.77	65.77	62.22	58.10	54.69	51.62	49.82	48.22

## Allen Parish

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 Chicot aquifer of Pleistocene age, diam 16 to 8 in, depth 287 ft, screened 190-284. Lsd 83.31 ft above msl. MP bottom edge of discharge pipe, 4.74 ft above lsd. Highest water level 83.60 below lsd, May 3, 1947; lowest 48.64 below lsd, Sept. 25, 1957. Records available: 1947-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1956	45.90	Apr. 22, 1957	46.96	May 1, 1958	46.83	Apr. 16, 1959	46.96
Sept. 6	48.53	Sept. 25	48.64	Sept. 3	48.63	Sept. 11	48.40
Apr. 5, 1957	47.16						

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 Chicot aquifer of Pleistocene age, diam 4 in, depth 150 ft. Lsd 120.4 ft above msl. MP top of pipe, 3.40 ft above lsd. Highest water level 30.58 below lsd, Jan. 27, 1947; lowest 34.0 below lsd, Nov. 26, 1956. Records available: 1947-59. For additional measurements, see Jones and others (1954).

Jan. 24, 1956	37.59	Apr. 5, 1957	37.20	May 1, 1958	35.79	Mar. 23, 1959	36.10
Feb. 28	36.84	23	37.00	26	36.07	Apr. 16	35.91
Apr. 4	36.58	May 27	37.36	June 23	36.48	22	35.87
May 2	36.72	June 25	37.50	July 28	36.85	May 25	36.18
28	37.12	July 31	37.56	Aug. 26	37.03	June 22	36.31
June 25	37.43	Sept. 23	38.10	Sept. 3	36.60	July 27	36.72
Sept. 4	37.98	Nov. 5	37.75	23	36.58	Aug. 27	36.85
24	38.07	20	37.07	Oct. 27	36.60	Sept. 11	37.00
Nov. 2	38.23	Dec. 23	36.84	Nov. 24	36.81	Oct. 2	37.19
26	38.40	Jan. 28, 1958	36.29	Dec. 22	36.91	27	37.50
Dec. 26	37.95	Feb. 24	36.06	Jan. 30, 1959	36.93	Dec. 31	37.30
Jan. 22, 1957	37.79	Mar. 24	35.85	Feb. 24	36.00		

## Ascension Parish

An-16. Roger M. Fritchie. Formerly L. E. Hausey. NE $\frac{1}{4}$  irreg. sec. 20, T. 8 S., R. 3 E. Drilled unused (previously reported domestic) artesian well in sand of Pleistocene age, diam 2 in, depth 1,693 ft, screened 1,663-1,693. Lsd about 15 ft above msl. MP centerline of 2-in "tee," 0.70 ft above lsd. Highest water level 45.7 above lsd, Feb. 28, Apr. 26, 1955; lowest 30.7 above lsd, Sept. 2, 1959. Records available: 1954-59.

Mar. 1, 1956	34.0	Dec. 13, 1956	32.8	June 3, 1958	33.6	June 7, 1959	36.5
Apr. 20	34.1	Apr. 9, 1957	33.1	July 29	32.9	July 9	33.0
May 29	34.6	Aug. 2	33.5	Jan. 16, 1959	31.6	Sept. 2	30.7
July 17	35.3	Feb. 12, 1958	33.3	Feb. 4	32.4	Nov. 4	31.3
Oct. 11	31.7	Apr. 2	33.3	Mar. 5	32.3		

## Avoyelles Parish

Av-35. Interstate Oil Pipeline Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 1 S., R. 3 E. Drilled unused (previously reported observation) artesian well in sand of Pliocene (?) age (previously reported Catahoula formation), diam 8 to 5 in, depth 716 ft, screened 664-714. MP upper edge of pump discharge pipe, 1.00 ft above lsd. Highest water level 19.70 below lsd, Feb. 21, June 1, 1955; lowest 21.59 below lsd, Dec. 21, 1959. Records available: 1954-59.

Jan. 3, 1956	20.33	Jan. 30, 1957	21.06	Dec. 2, 1957	20.70	Mar. 16, 1959	20.05
Mar. 15	20.75	Mar. 4	20.87	Jan. 2, 1958	20.75	Apr. 20	19.92
May 2	19.85	Apr. 8	21.15	Feb. 3	20.64	May 21	20.13
21	20.29	May 6	21.11	Mar. 10	20.44	June 15	19.98
June 25	20.36	June 10	21.14	Aug. 18	20.49	July 20	20.22
Aug. 13	20.88	July 5	21.04	Sept. 15	20.37	Aug. 21	20.34
Sept. 10	20.95	Aug. 16	21.16	Oct. 13	20.37	Sept. 14	20.46
Oct. 15	21.30	Sept. 3	21.07	Dec. 15	20.56	Oct. 19	20.58
Nov. 26	21.39	Oct. 1	20.94	Jan. 19, 1959	20.30	Nov. 16	20.39
Dec. 28	20.83	Nov. 15	20.60	Feb. 16	20.18	Dec. 21	21.59

Av-38. Peoples' Water Service Co. of Louisiana. Formerly Louisiana Light & Power Co. Marksville. Irreg. sec. 64, T. 2 N., R. 4 E. Drilled observation semiartesian well in sand of Pleistocene age, diam 8 in, depth 102 ft. MP top of recorder-shelter floor, 2.20 ft above lsd. Highest water level 40.79 below lsd, Apr. 27, 1959; lowest 45.26 below lsd, Dec. 15, 1956. Records available: 1955-59.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	43.20	43.35	43.53	.....	44.13	.....	44.64	44.75
10	.....	.....	.....	.....	43.20	43.40	43.58	.....	44.18	.....	44.65	44.76
15	.....	.....	44.55	.....	43.22	43.45	43.60	43.98	44.28	.....	.....	44.78
20	.....	.....	.....	.....	43.24	43.47	43.66	44.04	44.32	44.53	.....	44.73
25	.....	.....	.....	.....	43.30	.....	43.70	44.06	44.36	44.57	.....	44.70
Eom	.....	.....	.....	.....	43.32	43.48	.....	44.09	.....	44.59	44.73	44.72

1957

5	44.71	44.73	44.46	44.20	44.06	43.77	43.52	43.30	43.52	43.57	.....	43.04
10	44.74	44.72	44.45	44.23	43.96	44.00	.....	43.29	43.58	43.57	.....	42.89
15	44.71	44.71	44.46	44.18	43.97	43.79	43.43	43.30	43.56	43.58	43.56	42.68
20	44.72	44.66	44.35	44.16	43.91	43.70	43.39	43.36	43.36	43.53	43.50	42.62
25	44.72	44.56	44.32	44.09	43.89	43.65	43.34	43.41	43.56	.....	43.43	42.53
Eom	44.71	44.58	44.23	44.04	43.85	43.57	43.33	.....	43.52	.....	43.42	42.49

1958

5	42.99	42.38	42.13	42.10	41.72	41.43	41.25	41.34	41.40	41.24	41.41	.....
10	42.98	42.35	42.37	.....	41.70	41.40	41.22	41.45	41.41	41.26	41.46	.....
15	42.75	42.48	42.36	42.20	.....	41.35	41.25	41.47	41.50	41.35	.....	41.75
20	42.62	42.40	42.34	42.07	.....	41.32	41.24	41.45	41.35	41.38	.....	41.67
25	42.53	42.18	42.24	41.84	41.50	41.26	41.24	41.40	41.33	41.48	.....	41.53
Eom	42.60	42.27	42.20	41.75	41.47	41.25	41.31	41.40	41.38	41.41	.....	41.47

1959

5	41.62	41.50	41.15	41.16	41.26	41.32	41.44	41.80	42.05	42.11	42.15	42.40
10	41.54	41.36	41.10	41.22	41.10	40.92	41.59	41.85	41.98	42.26	42.18	42.32
15	41.40	41.35	41.20	41.06	.....	41.35	41.63	.....	41.96	42.15	42.13	42.38
20	41.35	41.53	41.26	41.16	.....	41.20	41.70	41.94	41.87	41.99	42.20	42.25
25	41.46	41.35	41.12	41.10	41.26	41.45	41.67	41.96	42.14	42.10	42.10	42.15
Eom	41.67	41.38	41.23	41.22	40.99	41.49	41.75	41.99	42.09	42.32	42.40	42.05

h Tape measurement.

Beauregard Parish

Be-2. Southern Pacific RR. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 29, T. 6 S., R. 8 W. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 6 in, depth 265 ft (previously reported 276 ft). Lsd 83.83 ft above msl. MP top of recorder-shelter floor, 2.65 ft above lsd. Highest water level 41.54 below lsd, Apr. 27, 1944; lowest 56.94 below lsd, July 30, 1957. Records available: 1943-59. For additional measurements, see Jones and others (1954).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	53.97	Apr. 1, 1957	54.61	Apr. 28, 1958	53.71	Mar. 25, 1959	53.88
Apr. 2	53.24	22	54.61	May 26	53.07	Apr. 13	53.96
6	53.26	May 29	54.57	June 26	55.85	22	53.78
May 2	53.25	June 28	55.87	July 30	56.69	May 26	54.59
30	55.02	July 30	56.94	Aug. 28	56.51	June 25	56.15
June 27	56.35	Sept. 23	56.58	Sept. 2	56.36	July 29	56.35
Sept. 6	56.50	Nov. 4	55.86	24	54.65	Aug. 26	56.29
26	56.35	27	55.36	Oct. 29	55.10	Sept. 8	55.94
Oct. 23	55.95	Dec. 26	55.05	Nov. 26	54.92	28	50.05
Nov. 28	55.54	Jan. 30, 1958	54.54	Dec. 24	54.74	Oct. 27	55.31
Dec. 27	55.34	Feb. 26	53.87	Jan. 29, 1959	54.59	Dec. 29	54.78
Jan. 29, 1957	55.12	Mar. 26	53.94	Feb. 26	54.12		

Bienville Parish

Bi-1. Town of Gibsland. 2d and Homer Sts. Gibsland. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 18 N., R. 7 W. Drilled unused artesian well in Sparta sand of Eocene age, diam 6 in, depth 490 ft. Lsd about 280 ft above msl. MP top of recorder-shelter floor, 3.15 ft above lsd. Highest water level 57.30 below lsd, May 9, 1958; lowest 71.30 below lsd, Aug. 29, 1957. Records available: 1956-59. Recording gage installed Aug. 16, 1956.

Bi-1--Continued.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.90	61.60	62.21
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	62.98	62.08	62.40
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	62.90	61.75	61.93
20	.....	.....	.....	.....	.....	.....	.....	.....	64.57	.....	61.45	62.18
25	.....	.....	.....	.....	.....	.....	.....	.....	64.33	63.50	62.10	62.18
Eom	.....	.....	.....	.....	.....	.....	.....	.....	63.89	62.15	63.12	61.78

1957

5	61.63	.....	.....	60.05	.....	.....	60.13	60.79	62.35	61.78	60.21	.....
10	62.28	62.08	.....	.....	.....	59.35	.....	61.26	61.50	61.40	60.15	.....
15	61.77	61.72	63.69	.....	.....	59.85	.....	62.40	61.48	61.47	.....	65.11
20	62.60	.....	60.75	60.12	.....	59.84	61.05	63.55	61.45	61.21	.....	63.67
25	61.83	.....	60.35	59.93	.....	59.25	60.10	63.28	61.10	60.70	.....	64.50
Eom	61.43	.....	60.60	.....	.....	59.67	62.32	64.55	60.92	60.20	.....	.....

1958

5	.....	58.85	58.40	.....	.....	62.00	.....	61.61	61.36	59.07	63.12	61.10
10	60.50	59.62	.....	.....	.....	58.48	.....	61.00	60.25	60.37	64.60	61.10
15	63.60	59.60	.....	.....	.....	58.60	.....	60.02	59.22	59.82	62.38	62.90
20	62.50	59.93	59.80	60.64	57.49	58.27	60.07	.....	57.95	62.50	61.50	61.55
25	59.50	58.65	59.20	.....	57.85	.....	59.25	59.25	62.52	62.80	60.90	61.95
Eom	59.30	58.65	60.15	.....	59.10	.....	59.89	60.43	59.45	62.75	61.50	62.30

1959

5	64.90	61.15	60.50	60.50	60.80	59.14	61.62	61.25	61.40	62.10	61.55	63.75
10	61.60	58.42	61.70	60.55	62.00	59.45	65.10	64.90	62.63	62.30	66.25	61.95
15	60.80	.....	62.00	60.20	62.70	60.05	63.30	64.00	63.70	61.75	62.30	62.10
20	63.50	61.50	61.25	60.65	63.05	61.79	63.05	64.50	62.57	62.00	64.25	62.85
25	62.00	61.82	59.75	59.81	62.14	60.88	60.65	64.50	64.50	62.50	62.35	63.00
Eom	62.50	62.35	61.80	61.50	59.87	60.70	62.60	63.35	63.35	64.13	65.00	63.25

h Tape measurement.

Bi-4. Louisiana Power & Light Co. Formerly Town of Arcadia. Sec. 18, T. 18 N., R. 5 W. Drilled unused (previously reported public-supply) artesian well in Sparta sand, diam 6 in, depth 585 ft, screened 518-585 (previously reported screened 500-585). MP hole in casing, 3.50 ft above lsd. Highest water level 159.08 below lsd, Apr. 26, 1950; lowest 188.53 below lsd, Aug. 15, 1956. Records available: 1940, 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1956	169.92	Mar. 15, 1957	172.14	Mar. 17, 1958	174.90	Feb. 19, 1959	179.55
Mar. 8	180.78	Apr. 19	172.18	Apr. 17	179.97	Mar. 20	178.53
Apr. 18	169.04	May 2	170.93	May 20	171.67	Apr. 23	171.80
May 17	170.89	June 7	171.72	June 24	181.71	May 27	177.27
June 21	177.80	July 17	166.68	July 17	180.19	June 17	179.60
Aug. 15	188.53	Aug. 14	174.03	Aug. 21	181.82	July 22	180.83
Sept. 14	180.83	Sept. 11	188.03	Sept. 25	173.69	Aug. 20	179.36
Oct. 25	173.92	Oct. 9	179.53	Oct. 16	172.39	Sept. 17	181.38
Dec. 4	172.49	Nov. 12	179.09	Nov. 19	181.18	Oct. 22	182.75
Jan. 4, 1957	171.29	Dec. 13	179.70	Dec. 18	171.60	Nov. 19	174.67
Feb. 6	171.36	Feb. 4, 1958	172.69	Jan. 22, 1959	171.95	Dec. 23	182.02

## Caddo Parish

Cd-345. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 6, T. 21 N., R. 14 W. Drilled observation artesian well in alluvium of Quaternary age, diam  $1\frac{1}{2}$  in, depth 54 ft, screened 51-54. Lsd about 190 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 11.94 below lsd, June 28, 1958; lowest 16.46 below lsd, Feb. 27, 1957. Records available: 1957-59.

Feb. 27, 1957	16.46	Aug. 29, 1957	15.48	Apr. 2, 1958	13.43	July 28, 1959	13.82
Mar. 26	16.18	Oct. 31	15.43	May 1	12.50	Sept. 11	14.15
Apr. 30	15.28	Dec. 3	14.16	June 11	12.33	29	14.41
May 30	14.92	31	13.96	28	11.94	Nov. 3	14.57
June 27	14.53	Jan. 31, 1958	13.45	Aug. 5	12.16	30	14.64
Aug. 6	14.87	Feb. 28	13.47	Oct. 21	13.16	Dec. 31	14.10

## Calcasieu Parish

Cu-3. Greater Lake Charles Water Co. Formerly Gulf States Utilities. NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 31, T. 9 S., R. 8 W. Drilled public-supply artesian well in Chicot aquifer ("700-ft" sand of the Lake Charles area) of Pleistocene age, diam 18 in, depth 700 ft. MP tap hole in top of discharge pipe. Highest water level 51.60 below lsd, Apr. 7, 1952; lowest 89.97 below lsd, July 30, 1957. Records available: 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	87.87	Apr. 23, 1957	71.72	May 1, 1958	72.37	Feb. 26, 1959	70.49
May 2	69.10	May 29	73.89	28	72.93	Mar. 25	69.89
29	74.08	June 28	82.43	June 25	78.08	Apr. 22	76.40
June 26	80.79	July 30	89.97	July 30	80.85	May 26	78.20
Aug. 29	87.69	Sept. 24	85.10	Aug. 27	83.47	June 25	81.89
Sept. 26	87.21	Nov. 4	79.38	Sept. 24	82.77	July 28	84.71
Oct. 29	81.90	22	76.43	Oct. 29	81.38	Aug. 26	85.56
Nov. 28	73.65	Dec. 24	74.68	Nov. 26	78.86	Sept. 29	84.90
Dec. 27	73.90	Jan. 29, 1958	69.40	Dec. 24	75.15	Oct. 27	83.04
Jan. 29, 1957	73.20	Feb. 25	69.10	Jan. 28, 1959	82.07	Dec. 24	75.86
Apr. 15	69.81	Mar. 25	73.23				

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 Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 4 in, depth 560 ft. Lsd 4.17 ft above msl. MP top of casing, 0.88 ft above lsd. Highest water level 7.70 below lsd, Apr. 21, 1943; lowest 85.31 below lsd, Sept. 7, 1957. Records available: 1943-59. For additional measurements, see Jones and others (1954). Recording gage removed July 30, 1958.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.20	62.67	.....	62.40	64.12	.....	75.07	81.42	81.87	80.08	76.78	73.67
10	65.20	62.70	62.73	63.03	64.72	.....	76.32	81.39	81.45	79.46	75.37	74.08
15	64.86	.....	62.79	62.53	65.82	.....	78.00	81.28	81.63	79.10	74.72	73.47
20	64.50	.....	62.81	62.68	66.82	.....	79.39	.....	81.67	78.84	74.21	73.07
25	64.42	.....	62.28	63.08	68.01	.....	80.35	82.16	80.98	78.66	74.08	72.93
Eom	63.61	.....	62.48	63.87	69.80	74.61	80.91	82.00	80.66	77.39	73.82	72.95

## 1957

5	72.62	70.45	67.48	65.31	66.97	74.13	76.90	84.30	85.16	82.00	76.44	72.18
10	72.08	69.12	67.30	65.54	67.05	74.61	79.06	83.81	85.19	81.00	75.89	71.72
15	71.65	68.30	66.92	65.63	68.02	75.20	80.50	83.80	84.53	80.00	75.27	71.43
20	71.88	68.22	66.10	66.88	70.15	76.55	82.08	84.23	84.50	79.00	75.00	76.00
25	71.69	67.90	65.92	67.22	71.95	77.65	83.32	84.64	84.25	78.00	74.00	70.88
Eom	71.80	67.77	65.03	66.70	73.20	.....	84.08	84.92	83.00	77.00	73.02	70.77

## 1958

5	71.34	69.77	69.20	69.00	69.46	73.10	78.88	.....	.....	.....	.....	.....
10	71.54	69.62	69.10	69.00	69.63	72.87	79.90	.....	.....	.....	.....	.....
15	71.21	70.13	69.88	68.82	69.95	73.35	79.98	.....	.....	.....	.....	.....
20	70.78	70.04	69.47	68.45	70.35	76.91	80.10	.....	.....	.....	.....	.....
25	70.16	69.46	69.67	68.68	71.08	77.24	80.03	.....	.....	.....	.....	.....
Eom	69.14	69.47	69.42	69.09	71.90	78.12	.....	.....	.....	.....	.....	.....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 30, 1958	80.31	Nov. 26, 1958	77.77	Apr. 14, 1959	73.36	Aug. 26, 1959	85.01
Aug. 28	81.47	Dec. 24	75.60	22	72.85	Sept. 10	85.04
Sept. 2	82.30	Jan. 28, 1959	72.58	May 26	75.84	29	84.22
24	81.43	Feb. 26	71.17	June 25	80.21	Oct. 27	81.81
Oct. 29	80.16	Mar. 25	71.85	July 28	83.83	Dec. 29	75.74

Cu-77. Olin Mathieson Chemical Corp. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 35, T. 9 S., R. 9 W. Drilled unused artesian well in Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 10 to 6 in, depth 512 ft, screened 448-512. Lsd 11.90 ft above msl. MP top of recorder-shelter floor, 3.35 ft above lsd. Highest water level 82.11 below lsd, Feb. 14, 1956; lowest 126.58 below lsd, Aug. 25, 1959. Records available: 1955-59.

## Water level at noon, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	96.43	.....	91.77	85.65	96.23	112.76	110.05	118.15	117.68	117.32	.....	110.75
10	.....	.....	87.63	88.88	96.95	110.55	112.55	.....	118.36	116.90	111.02	111.45
15	96.15	84.07	87.50	88.07	98.03	109.19	113.07	.....	120.29	116.84	109.96	111.22
20	96.19	83.72	87.65	90.37	99.45	109.77	115.34	.....	120.26	118.08	109.73	111.15
25	96.04	83.75	.....	94.64	102.76	110.10	115.98	.....	118.92	113.26	.....	111.27
Eom	96.42	92.07	85.08	96.23	112.27	.....	117.27	118.50	118.53	112.11	110.10	110.97

h Tape measurement.

Cu-77--Continued.

1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	102.58	104.98	108.62	111.15	115.67	112.35	113.69	103.68	98.76
10	.....	.....	.....	.....	107.45	108.98	113.44	116.05	115.44	113.42	101.00	98.44
15	.....	.....	.....	102.86	106.39	110.38	113.27	116.23	114.49	113.64	100.01	.....
20	.....	.....	.....	.....	106.27	.....	113.20	115.87	114.30	112.85	99.68	97.38
25	.....	.....	.....	102.54	107.34	111.91	113.04	112.15	114.54	113.01	99.24	97.11
Eom	.....	.....	.....	103.77	108.32	112.33	113.11	112.13	114.38	105.09	99.31	96.90

1957												
5	110.05	107.25	90.63	92.30	92.62	114.22	117.35	124.08	124.41	115.57	110.78	106.18
10	108.24	105.15	.....	91.95	92.35	114.69	118.75	123.10	124.33	112.12	110.34	105.23
15	.....	100.05	87.35	92.43	103.55	.....	119.98	124.32	124.36	111.45	109.24	105.34
20	.....	99.70	87.34	93.35	110.57	117.08	121.75	123.86	123.93	112.24	108.61	105.18
25	108.20	98.85	91.50	101.75	111.82	118.05	.....	123.84	122.20	112.15	107.63	104.88
Eom	109.75	98.98	91.11	102.70	113.58	.....	123.35	124.43	120.73	111.26	107.37	104.49

Scm	1957.75	98.98	91.11	102.10	113.93	115.55	123.33	124.43	126.13	111.20	101.37	104.29
1958												
5	104.07	101.74	103.05	104.84	108.51	111.45	118.01	119.59	120.58	118.27	116.72	114.80
10	104.21	102.80	104.87	105.03	108.70	112.41	117.98	120.74	119.46	118.47	111.87	112.81
15	104.21	102.82	105.35	104.97	109.05	114.41	118.32	119.67	119.46	118.29	115.42	108.38
20	103.33	103.08	105.25	104.83	108.60	116.07	119.31	120.78	119.09	117.74	115.38	104.32
25	101.03	102.92	105.23	105.62	110.17	116.52	117.82	120.69	118.85	119.32	116.32	104.50
Eom	99.96	101.95	105.33	106.80	110.81	117.15	116.70	120.97	118.57	117.48	115.73	103.99

1959												
5	101.55	99.08	102.61	111.42	112.74	113.90	114.10	125.23	125.17	.....	117.39	112.01
10	107.83	98.38	103.66	111.44	113.25	115.22	116.50	125.74	124.36	124.11	116.53	110.42
15	107.42	97.84	103.50	110.50	113.57	115.67	116.77	126.10	123.53	.....	116.26	.....
20	100.01	98.76	106.68	110.37	113.08	117.34	115.82	125.71	124.35	.....	114.69	.....
25	99.30	99.27	106.55	110.10	112.17	118.04	123.94	126.34	124.31	.....	113.50	109.54
Eom	99.56	101.82	107.92	110.82	113.83	118.59	125.05	125.57	124.54	120.58	113.35	109.11

h Tape measurement.

Cu-120. Olin Mathieson Chemical Corp. SE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 11 S., R. 10 W. Drilled unused artesian well in Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 4 in, depth 759 ft (previously reported 700 ft). Lsd 6.42 ft above msl. MP hole in top of 4-in plug, 1.00 ft above lsd. Highest water level 3.18 below lsd, Apr. 11, 1944; lowest 46.57 below lsd, Sept. 5, 1956. Records available: 1943-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	33.87	Apr. 25, 1957	36.92	Apr. 30, 1958	37.72	Apr. 14, 1959	38.91
Sept. 5	46.57	Sept. 26	44.80	Sept. 3	44.32	Sept. 10	44.80
Apr. 4, 1957	37.00						

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 Chicot aquifer ("700-ft" sand of the Lake Charles area) of Pleistocene age, diam 24 to 12 in, depth 700 ft. Lsd 15.92 ft above msl. MP lower edge of steel pumpbase, 0.70 ft above lsd. Highest water level 10.23 below lsd, Apr. 11, 1944; lowest 66.35 below lsd, Sept. 10, 1959. Records available: 1943-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	51.45	Apr. 4, 1957	55.19	Sept. 27, 1957	66.12	Apr. 14, 1959	58.70
Sept. 5	66.05	25	55.35	Apr. 30, 1958	56.45	Sept. 10	66.35

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 Chicot aquifer ("200-ft" sand of the Lake Charles area) of Pleistocene age, diam 24 to 12 in, depth 450 ft (previously reported 500 ft). Lsd 10.93 ft above msl (previously reported 11.18 ft above msl). MP bottom lip of discharge pipe. Highest water level 9.18 below lsd, July 9, 1946; lowest 50.56 below lsd, Sept. 19, 1951. Records available: 1944-54, 1956-59. Sept. 6, 1956, 46.90; Apr. 2, 1957, 27.72; Apr. 23, 28.80; Sept. 23, 44.72; Apr. 29, 1958, 26.44; Sept. 4, 41.65; Sept. 9, 1959, 45.51.

Cu-173. Charles Linkswiler. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 26, T. 10 S., R. 8 W. Drilled irrigation artesian well in Chicot aquifer ("700-ft" sand of the Lake Charles area) of Pleistocene age, diam 24 to 12 in, depth 726 ft. Lsd 23.70 ft above msl. MP lower edge of discharge pipe. Highest water level 28.79 below lsd, Mar. 10, 1947; lowest 70.60 below lsd, Sept. 6, 1956. Records available: 1946-47, 1949-50, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1956	53.96	Apr. 23, 1957	56.38	Apr. 29, 1958	56.93	Apr. 14, 1959	57.64
Sept. 6	70.60	Sept. 24	69.63	Sept. 4	67.51	Sept. 9	68.62
Apr. 2, 1957	57.15						

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 Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 20 to 10 in, depth 467 ft, screened 351-467. Lsd 37.83 ft above msl. MP lower edge of discharge pipe. Highest water level 23.10 below lsd, May 26, 1947; lowest 50.44 below lsd, Sept. 2, 1958. Records available: 1946-59.

## Cu-208--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	38.74	Apr. 22, 1957	40.66	Apr. 28, 1958	41.30	Apr. 13, 1959	40.89
Sept. 5	48.61	Sept. 23	48.85	Sept. 2	50.44	Sept. 8	(a)
Apr. 1, 1957	40.97						

a Well being pumped.

Cu-228. Raymond Royer. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 14, T. 9 S., R. 12 W. Drilled domestic artesian well in Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 4 in, depth 425 ft, screened 400-420. Lsd 27.38 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 10.08 below lsd, Apr. 11, 1944; lowest 45.22 below lsd, Sept. 4, 1956. Records available: 1944-59.

Apr. 3, 1956	32.69	Apr. 24, 1957	35.44	May 2, 1958	35.53	Apr. 13, 1959	36.47
Sept. 4	45.22	Sept. 25	45.08	Sept. 3	44.80	Sept. 8	43.88
Apr. 3, 1957	35.80						

Cu-440. Chennault Air Force Base. Lake Charles. NE $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 10 S., R. 8 W. Drilled unused artesian well in Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 4 in, depth 500 ft. Lsd 11.93 ft above msl. MP hole in top of 4-in plug, 2.90 ft above lsd. Highest water level 13.62 below lsd, Apr. 11, 1944; lowest 51.71 below lsd, Sept. 28, 1953. Records available: 1944, 1947-58. Apr. 4, 1956, 35.10; Sept. 6, 46.83; Apr. 1, 1957, 37.25; Apr. 22, 37.00; Sept. 23, 45.85; Sept. 2, 1958, 44.88. No measurement made in 1959.

Cu-445. Cities Service Refining Corp. Lake Charles. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 10 S., R. 9 W. Drilled unused artesian well in Chicot aquifer ("500-ft" sand of the Lake Charles area) of Pleistocene age, diam 18 to 10 in, depth 540 ft, cased 18-in 0-423, 10-in 379-460, screened 460-540. Lsd 12.26 ft above msl. MP top of recorder-shelter floor, 1.80 ft above lsd. Highest water level 30.96 below lsd, Apr. 20, 1947; lowest 112.77 below lsd, July 17, 1959. Records available: 1945-59. For additional measurements, see Jones and others (1954).

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	87.00	83.13	83.85	83.79	.....	92.04	96.83	102.99	104.60	102.16	96.65	.....
10	87.66	83.12	83.81	83.52	86.30	90.47	98.10	103.22	104.21	102.11	.....	95.39
15	86.23	84.14	84.43	82.71	86.65	88.28	100.25	103.08	104.35	100.85	94.54	94.73
20	87.20	84.33	84.20	83.05	88.03	94.26	.....	104.38	104.20	100.87	93.74	93.57
25	85.70	81.52	83.75	83.62	89.75	93.94	105.16	103.77	103.10	99.47	95.87	94.30
Eom	83.88	85.54	83.99	.....	91.51	96.07	103.00	104.13	103.03	98.14	h95.22	94.92

1957

5	.....	93.04	92.55	89.18	91.15	96.65	100.55	105.28	106.51	103.43	95.70	93.53
10	94.08	.....	92.07	90.39	91.58	97.50	101.80	103.77	106.72	102.33	97.07	93.42
15	93.70	92.98	92.07	91.30	92.46	97.25	103.06	104.14	105.06	100.52	97.51	92.47
20	.....	92.27	90.39	92.00	93.10	98.30	104.65	105.43	106.17	101.22	98.63	92.73
25	93.27	93.30	89.93	91.49	94.48	100.70	.....	105.36	105.61	101.98	94.83	93.10
Eom	94.15	92.50	88.20	90.35	95.55	97.00	105.66	105.41	103.60	e97.61	93.89	96.78

1958

5	97.48	95.82	93.50	91.50	92.35	96.45	101.65	104.00	106.50	104.47	101.53	102.02
10	95.93	94.81	.....	92.50	92.75	91.25	103.63	103.94	106.40	105.58	102.17	101.13
15	95.65	96.78	.....	.....	93.40	94.65	103.00	105.02	105.27	105.72	102.93	102.00
20	96.58	94.96	.....	.....	94.00	102.00	102.29	104.88	104.50	106.03	102.32	101.91
25	95.57	93.71	.....	.....	94.15	100.63	.....	104.27	104.77	105.23	101.94	101.62
Eom	95.34	93.55	93.00	93.23	95.85	101.60	103.80	105.89	104.80	103.75	101.74	99.66

1959

5	101.39	.....	95.50	97.57	98.40	101.80	107.30	109.73	106.52	108.65	106.65	102.64
10	100.35	.....	94.90	98.05	99.78	101.68	109.36	109.03	108.84	108.25	106.00	102.48
15	100.93	.....	95.65	97.93	99.52	101.35	112.07	108.37	109.47	108.15	104.93	101.60
20	92.70	.....	95.40	98.80	100.40	.....	107.70	110.12	109.18	106.75	104.30	101.33
25	.....	.....	97.11	97.20	100.70	.....	107.45	108.70	108.50	105.30	103.50	100.78
Eom	.....	95.18	96.30	96.60	100.70	105.60	109.23	107.35	108.07	106.31	103.56	100.48

e Estimated.

h Tape measurement.

Cu-446. Cities Service Refining Corp. Lake Charles. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 10 S., R. 9 W. Drilled unused artesian well in Chicot aquifer ("700-ft" sand of the Lake Charles area) of Pleistocene age, diam 18 to 10 in, depth 738 ft, cased 18-in 0-630, 10-in 577-658, screened 658-738. Lsd 12.4 ft above msl. MP top of recorder-shelter floor, 1.70 ft above lsd. Highest water level 22.80 below lsd, Apr. 27, 1946; lowest 82.84 below lsd, Aug. 23, 1959. Records available: 1945-59. For additional measurements, see Jones and others (1954).

Cu-446--Continued.

Water level at noon, from recorder graph, 1956											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	67.25	65.27	64.58	64.25	65.20	71.74	75.95	82.30	82.33	80.83	77.94 75.20
10	67.29	64.41	64.87	64.62	65.74	72.97	77.13	82.12	81.95	80.36	..... 75.40
15	66.85	.....	64.60	64.25	66.52	72.63	78.48	82.02	82.07	80.03	..... 74.80
20	h66.71	64.77	64.42	h64.42	67.56	73.35	79.72	82.37	82.05	79.75	75.80 74.42
25	66.46	64.53	64.34	64.51	68.68	74.37	80.36	82.71	81.58	79.40	75.70 74.28
Eom	66.95	64.66	64.22	64.93	70.59	75.23	81.70	82.47	81.39	78.58	75.35 74.12

1957											
5	73.90	70.87	69.58	65.87	66.80	71.94	75.16	81.55	82.53	80.08	h75.83 72.48
10	73.63	69.74	69.12	65.98	67.28	72.28	76.70	80.99	82.52	79.22	75.22 72.00
15	73.21	70.58	67.78	66.10	67.40	72.85	77.98	81.11	82.08	77.77	74.52 71.54
20	73.10	69.15	67.07	66.56	68.53	74.07	79.50	81.42	81.92	77.67	74.62 71.13
25	h73.12	68.50	66.77	66.93	69.85	75.30	80.60	82.01	81.73	77.48	73.72 71.02
Eom	71.37	69.72	66.00	66.62	71.42	74.37	81.52	82.43	80.85	h76.60	73.19 70.63

1958											
5	70.98	69.78	68.80	68.40	68.59	71.33	76.58	78.12	79.40	78.84	77.03 75.65
10	70.03	69.26	68.66	69.65	69.20	72.02	77.50	79.07	79.57	78.88	76.80 75.54
15	70.91	69.43	69.20	68.41	69.05	72.42	77.73	79.38	79.64	79.91	76.54 75.37
20	70.42	69.67	68.90	68.08	69.66	74.57	77.86	79.34	79.23	78.69	76.65 75.30
25	70.06	69.09	68.65	68.15	70.14	75.20	78.50	79.22	79.03	78.58	76.27 74.80
Eom	69.37	68.98	68.68	68.30	70.53	75.87	78.18	79.48	79.07	77.86	76.08 73.98

1959											
5	73.86	71.62	70.29	71.15	71.45	74.95	79.68	81.37	81.48	81.33	79.33 76.98
10	74.02	71.85	70.54	71.52	72.63	75.47	80.45	81.62	81.36	81.38	79.08 76.23
15	73.58	71.58	70.75	71.55	73.37	75.85	80.67	81.75	81.44	81.26	78.80 75.52
20	72.36	71.32	70.50	71.46	73.74	76.93	80.90	82.12	81.76	80.67	78.21 75.50
25	.....	70.53	70.83	71.31	73.88	.....	80.48	82.75	81.52	80.23	77.75 74.82
Eom	71.78	70.38	70.68	71.27	74.16	78.23	81.22	81.73	81.48	79.52	77.45 74.75

e Estimated.

h Tape measurement.

Cu-610. W. L. Freeman. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 36, T. 9 S., R. 9 W. Drilled unused (previously reported domestic) artesian well in Chicot aquifer ("200-ft" sand of the Lake Charles area) of Pleistocene age, diam 4 in, depth 285 ft, screened 265-285. Lsd 8.48 ft above msl. MP top of recorder-shelter floor, 3.15 ft above lsd. Highest water level 48.67 below lsd, Apr. 25, 1958; lowest 70.00 below lsd, Sept. 15, 1954. Records available: 1954-59. Recorder removed July 22, 1958.

Water level at noon, from recorder graph, 1956											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	60.53	59.63	.....	57.68	57.20	57.20	58.20	60.50	61.29	61.49	60.28 60.02
10	60.30	58.97	57.98	57.80	57.14	57.82	58.70	60.73	61.17	61.28	60.48 60.30
15	59.92	57.52	57.99	57.35	57.12	57.85	59.20	60.95	61.34	60.97	60.08 59.72
20	60.00	58.27	58.08	57.78	57.33	58.00	59.67	61.00	61.47	61.01	60.08 59.55
25	59.69	.....	57.95	57.30	57.08	57.91	59.90	61.23	61.20	60.30	60.35 59.41
Eom	59.87	.....	57.87	57.36	57.25	57.93	60.27	61.20	61.45	60.40	60.45 59.38

1957											
5	59.27	58.18	.....	54.47	.....	.....	.....	.....	49.43	51.50	52.57 e51.80
10	59.25	57.87	.....	54.32	.....	.....	.....	.....	49.44	52.52	e52.70 e51.60
15	58.95	57.51	.....	54.08	.....	.....	.....	.....	48.92	52.50	e52.10 e51.50
20	58.67	57.12	.....	.....	.....	.....	.....	.....	49.16	52.77	e51.60 e51.40
25	58.65	56.33	h55.12	58.49	.....	.....	.....	.....	48.93	52.91	e52.00 51.43
Eom	58.23	56.30	54.43	.....	.....	51.39	51.45	49.55	50.55	52.62	e51.90 e51.00

1958											
5	e51.00	49.90	49.22	48.78	49.10	49.65	51.17	.....	.....	.....	.....
10	e51.00	49.82	49.25	48.92	49.13	49.65	51.34	.....	.....	.....	.....
15	e51.00	50.01	49.47	48.91	48.94	49.85	51.69	.....	.....	.....	.....
20	e51.00	49.77	49.30	48.80	49.15	50.37	52.20	.....	.....	.....	.....
25	e50.00	49.48	49.06	48.67	49.15	50.49	.....	.....	.....	.....	.....
Eom	50.22	49.57	49.17	49.02	49.30	50.90	.....	.....	.....	.....	.....

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1958	54.05	Dec. 23, 1958	56.05	Apr. 22, 1959	51.37	Sept. 9, 1959	53.47
Sept. 4	54.39	Jan. 28, 1959	53.02	May 26	51.61	28	53.13
24	54.19	Feb. 26	51.95	June 25	52.69	Oct. 27	52.75
Oct. 29	54.55	Mar. 24	51.76	July 28	53.59	Dec. 24	50.38
Nov. 26	54.62	Apr. 14	51.71	Aug. 26	53.15		





DS-177--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.72	.....	40.64	40.45	40.20	.....	40.00	39.99	40.38	.....	.....	.....
10	40.68	40.45	40.59	40.47	40.32	.....	.....	40.10	40.31	.....	.....	.....
15	40.80	40.64	.....	40.43	40.18	.....	40.07	40.18	40.20	.....	.....	.....
20	40.87	40.71	40.70	40.41	40.07	40.07	40.10	40.20	.....	.....	.....	.....
25	40.80	40.68	40.56	.....	40.08	40.09	40.10	40.40	.....	.....	.....	.....
Eom	40.67	40.63	40.51	40.30	40.18	39.78	40.00	40.47	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19, 1958	39.10	Sept. 23, 1958	39.64	Mar. 17, 1959	39.73	Sept. 18, 1959	40.33
June 20	39.33	Dec. 31	40.06	June 18	39.71	Dec. 24	39.82

DS-183. Town of Mansfield. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 9, T. 12 N., R. 13 W. Drilled unused artesian well in Naborton formation of Eocene age, diam 10 to 8 in, depth 270 ft, screened 184-211, 231-260. MP top of casing, 1.50 ft above lsd. Highest water level 139.06 below lsd, June 2, 1955; lowest 142.86 below lsd, Aug. 30, 1956. Records available: 1955-59. June 2, 1955, 139.06; June 23, 139.67; Sept. 19, 141.57; Nov. 1, 141.50; Aug. 30, 1956, 142.86. Recorder installed Sept. 18, 1957. Recorder removed Nov. 7, 1958, Sept. 18, 1959, 142.27; Dec. 24, 142.32.

Water level at noon, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	140.82	140.85	140.95
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	140.96	141.11	140.77
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	140.64	140.54	140.92
20	.....	.....	.....	.....	.....	.....	.....	.....	140.69	141.00	140.70	140.69
25	.....	.....	.....	.....	.....	.....	.....	.....	140.87	140.81	140.82	140.84
Eom	.....	.....	.....	.....	.....	.....	.....	.....	140.84	140.80	140.97	140.76

1958

5	141.18	140.77	140.70	140.45	140.80	141.10	141.07	141.27	141.34	141.39	141.28	.....
10	140.92	140.92	140.60	140.65	140.75	140.89	141.16	141.36	141.31	141.35	.....	.....
15	140.74	140.78	140.92	140.80	141.00	140.97	141.13	141.33	141.24	141.55	.....	.....
20	140.54	141.09	141.03	140.75	140.90	141.00	141.11	141.32	140.98	141.26	.....	.....
25	140.49	140.68	140.69	140.85	140.85	140.89	141.09	141.18	141.32	141.40	.....	.....
Eom	140.68	140.65	140.75	140.80	140.87	141.14	141.24	141.36	141.27	141.51	.....	.....

## East Baton Rouge Parish

EB-15. Esso Standard Oil Co., Louisiana Division. N $\frac{1}{2}$  irreg. sec. 44, T. 6 S., R. 1 W. Drilled unused artesian well in sand ("400- and 600-ft" sands of Baton Rouge area) of Pleistocene age, diam 12 to 10 in, depth 686 ft, screened 320-420, 511-679. Lsd 64.90 ft above msl (previously reported 62.56 ft above msl). MP top of concrete curbing, 1.00 ft above lsd. Highest water level 104.7 below lsd, Mar. 7, 1946; lowest 216.1 below lsd, Aug. 16, 1944. Records available: 1940-59. Recorder removed Sept. 1, 1959. Measurement discontinued.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	180.55	177.90	.....	.....	.....	188.20	194.95	.....	203.15	.....	.....	.....
10	180.14	177.13	.....	.....	.....	171.77	189.79	197.97	.....	205.40	.....	.....
15	178.98	176.45	.....	.....	.....	173.26	187.65	201.75	206.63	203.40	194.87	188.80
20	185.90	171.15	.....	.....	.....	176.68	189.26	204.67	206.50	196.35	194.58	186.45
25	184.87	.....	.....	.....	.....	180.85	188.17	.....	206.10	.....	193.33	190.25
Eom	184.75	.....	.....	.....	.....	186.23	194.81	.....	203.15	.....	193.59	.....

1957

5	.....	185.68	161.10	159.85	.....	.....	185.65	191.80	190.50	.....	162.75	157.74
10	.....	164.48	159.85	159.20	.....	.....	186.90	191.20	187.50	184.55	159.80	157.16
15	.....	163.07	160.30	158.00	.....	.....	183.60	191.90	185.50	181.25	159.15	.....
20	173.10	162.45	159.30	158.20	.....	.....	182.85	191.70	.....	175.85	158.20	148.72
25	171.02	162.05	156.70	160.00	.....	.....	186.22	185.85	190.45	.....	171.30	148.20
Eom	169.03	160.92	162.95	.....	.....	.....	185.50	191.00	191.10	.....	167.55	143.98

1958

5	142.40	141.50	147.68	141.96	.....	146.78	156.30	167.65	165.90	166.28	158.55	145.10
10	142.58	140.65	146.70	141.63	143.95	146.80	155.55	169.32	166.00	165.46	154.33	143.87
15	140.50	142.72	146.94	141.15	144.95	151.08	157.70	169.85	164.82	167.55	151.72	141.78
20	140.45	143.04	146.76	.....	147.90	152.55	157.35	169.48	162.99	168.45	152.87	146.39
25	140.60	146.80	144.75	.....	149.00	156.30	159.90	167.66	162.03	159.18	151.12	155.01
Eom	140.40	147.00	144.55	.....	146.40	155.45	166.98	166.87	164.15	162.60	147.30	153.22

e Estimated.

h Tape measurement.

## EB-15--Continued.

Day	1959											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	154.38	143.15	136.06	.....	.....	160.88	172.58	.....	147.91	.....	.....	.....
10	145.55	141.53	133.65	.....	.....	161.30	174.77	.....	.....	.....	.....	.....
15	146.12	139.77	133.32	130.79	142.12	163.89	.....	.....	.....	.....	.....	.....
20	146.79	138.33	132.43	129.61	148.91	167.42	.....	.....	.....	.....	.....	.....
25	146.43	138.37	130.77	.....	.....	155.18	168.28	.....	.....	.....	.....	.....
Eom	144.26	137.43	.....	.....	157.80	171.48	.....	.....	.....	.....	.....	.....

EB-78. Solvay Process Division, Allied Chemical and Dye Corp. W $\frac{1}{2}$  sec. 42, T. 6 S., R. 1 W. Drilled unused artesian well in sand ("400-ft" sand of Baton Rouge area) of Pleistocene age, diam 12 in, depth 425 ft, screened 382-423. Lsd about 65 ft above msl. MP top of 2- x 4-in base of recorder shelter, 1.00 ft above lsd. Highest water level 130.96 below lsd, Mar. 17, 1959; lowest 246.20 below lsd, Oct. 8, 1953. Records available: 1944-45, 1953-59.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	183.37	181.51	170.22	165.70	.....	195.32	204.68	207.92	.....	.....	.....	178.15
10	182.66	178.15	170.90	166.10	188.56	199.26	209.65	207.48	.....	.....	.....	173.10
15	183.01	172.29	168.18	173.72	187.82	200.43	218.09	210.95	.....	.....	196.20	170.45
20	185.03	173.43	166.85	179.05	186.72	198.51	220.84	214.60	.....	.....	192.50	170.60
25	180.94	171.80	166.95	176.57	191.65	199.69	221.61	217.85	.....	.....	182.50	169.20
Eom	182.85	169.20	165.53	183.05	193.20	204.74	213.12	.....	.....	.....	178.85	169.15

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	173.20	167.35	.....	.....	167.00	194.15	200.66	198.53	196.15	200.90	165.15	147.40
10	174.05	166.80	170.75	.....	180.12	199.84	199.56	196.63	191.32	199.54	160.30	145.55
15	174.15	168.55	173.80	.....	188.08	197.93	194.30	198.51	197.21	192.65	160.80	143.05
20	172.50	169.65	176.60	.....	192.30	192.39	192.93	197.85	199.93	181.25	157.95	138.30
25	172.39	169.75	181.00	.....	195.40	197.27	199.43	197.64	200.00	178.15	157.02	139.50
Eom	170.10	.....	.....	172.55	196.92	202.55	202.85	198.76	200.60	172.10	147.00	136.45

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	135.85	135.05	151.70	145.55	151.10	160.95	164.20	176.90	173.50	162.32	168.87	152.18
10	139.93	136.70	144.05	149.55	150.50	162.85	168.05	174.20	173.75	172.07	162.47	151.47
15	134.90	144.17	149.10	147.75	160.10	162.20	166.20	174.80	162.40	172.69	159.00	150.47
20	140.60	151.50	145.00	157.50	164.45	161.60	172.80	172.35	162.75	174.12	162.13	156.20
25	137.30	153.80	.....	149.30	165.20	167.60	176.85	167.10	168.18	171.75	156.84	153.93
Eom	136.18	146.55	.....	157.40	159.80	168.65	173.68	173.45	164.24	166.00	151.02	149.17

Day	1959											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	147.92	151.08	132.66	138.49	153.90	.....	.....	195.63	203.75	202.47	186.15	.....
10	147.83	148.23	134.64	141.96	155.09	187.33	.....	198.64	204.75	204.00	181.78	.....
15	151.82	146.18	132.02	140.08	159.38	190.88	.....	201.07	205.40	203.10	.....	153.73
20	154.85	135.91	133.63	138.42	164.27	194.73	.....	200.19	206.08	200.22	.....	158.52
25	155.35	133.64	136.24	144.14	169.20	195.05	.....	199.42	205.18	197.28	.....	158.41
Eom	152.32	139.72	137.63	148.50	178.20	187.45	196.31	202.10	203.15	196.61	.....	148.64

e Estimated.

h Tape measurement.

EB-94. Baton Rouge Water Works Co. 35 ft west of North 35th St. Sec. 77, T. 7 S., R. 1 W. Drilled unused artesian well in sand ("1500-ft" sand of Baton Rouge area) of Pleistocene age, diam 8 to 6 in, depth 1,599 ft, screened 1,495-1,595. MP top of recorder-shelter floor, 2.10 ft above lsd. Highest water level 5.67 below lsd, Jan. 25, 1944; lowest 84.90 below lsd, July 23, 1959. Records available: 1944-45, 1958-59.

Day	Water level at noon, from recorder graph, 1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	76.46	76.85	73.43	78.93	73.06
10	.....	.....	.....	.....	.....	.....	.....	.....	76.80	76.78	79.05	75.66
15	.....	.....	.....	.....	.....	.....	.....	.....	76.40	77.78	79.54	80.06
20	.....	.....	.....	.....	.....	.....	.....	.....	78.00	78.00	80.07	78.67
25	.....	.....	.....	.....	.....	.....	.....	.....	76.87	79.05	79.35	74.68
Eom	.....	.....	.....	.....	.....	.....	75.17	.....	75.06	77.45	75.16	71.03

Day	1959											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	78.37	78.67	77.93	76.71	82.33	82.04	78.69	83.28	80.15	80.40	79.47	78.30
10	79.54	78.00	77.94	80.70	83.39	81.03	83.30	82.18	80.00	80.70	79.50	78.60
15	78.30	74.39	74.32	80.85	81.91	78.84	83.10	82.43	78.80	80.00	76.05	79.30
20	78.55	78.77	77.82	79.08	82.09	81.64	83.34	72.20	76.64	79.40	79.20	75.85
25	68.60	76.37	78.50	80.49	80.17	81.20	82.80	79.75	80.75	75.89	79.20	75.80
Eom	76.10	77.30	79.08	81.20	77.80	84.22	83.05	80.39	79.80	79.22	78.55	74.50

EB-117. City of Baton Rouge. At Jesse E. Webb Memorial Park. Formerly Louisiana State University. Westdale Country Club. W $\frac{1}{2}$  sec. 95, T. 7 S., R. 1 E. Drilled unused artesian well in sand ("1200-ft" sand of Baton Rouge area) of Pleistocene age, diam 8 to 6 in, depth 1,402 ft, screened 1,321-1,402. Lsd about 50 ft above msl. MP top of bushing in 8 to 2 $\frac{1}{2}$ -in sledge, at lsd. Highest water level 0.84 below lsd, Mar. 28, 1949; lowest 55.32 below lsd, Oct. 6, 1959. Records available: 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5, 1956	33.81	Nov. 8, 1957	46.90	July 28, 1958	51.18	May 8, 1959	53.54
Mar. 6	34.15	Dec. 17	47.57	Sept. 12	52.09	June 9	53.76
Apr. 20	35.73	Jan. 15, 1958	48.43	Oct. 7	52.36	July 8	54.28
May 29	38.73	Feb. 12	48.53	Nov. 5	52.04	28	54.97
July 17	42.42	Mar. 12	49.08	Dec. 3	52.37	Sept. 1	55.25
Aug. 20	43.18	Apr. 2	48.49	Jan. 7, 1959	51.60	Oct. 6	55.32
Feb. 12, 1957	43.92	May 6	49.07	Mar. 4	51.45	Nov. 3	54.75
June 25	42.11	June 3	49.41	Apr. 2	52.29	Dec. 8	54.05
Aug. 19	45.51	July 2	50.25				

EB-123. City of Baton Rouge. At City Park, 40 ft southwest of Perkins Rd., 130 ft east of north driveway into park. Baton Rouge. T. 7 S., R. 1 W. Drilled unused artesian well in sand ("600-ft" sand of Baton Rouge area) of Pleistocene age, diam 12 to 8 in, depth 729 ft, screened 630-710. Lsd 51.13 ft above msl. MP top inside edge of airline hole in base plate, 1.31 ft above lsd. Highest water level 52.00 below lsd, April 1935; lowest 121.65 below lsd, Sept. 26, 1956. Records available: 1935, 1939, 1947-49, 1956-59.

Aug. 28, 1956	121.64	Mar. 28, 1958	90.99	Sept. 24, 1958	104.13	May 14, 1959	86.49
Sept. 26	121.65	31	90.72	Oct. 2	103.69	22	88.75
Oct. 26	117.94	Apr. 7	89.69	13	103.73	28	92.24
Mar. 11, 1957	96.51	16	88.29	20	103.06	June 5	95.26
May 3	94.79	18	88.29	27	104.39	16	102.85
June 21	104.46	21	88.59	Nov. 3	104.12	23	104.88
Aug. 2	110.02	24	88.93	18	99.96	30	102.21
Sept. 17	115.02	28	88.99	24	99.29	July 7	103.56
Oct. 1	113.34	May 5	89.51	Dec. 1	98.31	13	105.06
Nov. 1	109.29	9	89.19	8	96.53	21	107.69
8	106.86	12	88.75	15	95.95	27	108.06
21	103.00	16	87.94	29	93.65	Aug. 3	108.82
Dec. 4	98.57	19	87.61	Jan. 6, 1959	93.91	10	109.49
11	96.89	23	87.67	12	94.62	25	111.36
24	95.29	26	87.58	19	94.79	31	111.81
31	93.94	29	87.66	27	94.26	Sept. 8	114.56
Jan. 7, 1958	92.16	June 2	87.97	Feb. 2	94.13	14	112.69
14	91.05	6	88.39	6	92.31	21	111.81
21	90.32	13	90.11	13	91.02	28	112.67
28	90.46	23	93.37	20	90.14	Oct. 7	112.82
Feb. 3	90.41	July 1	95.16	27	89.33	12	112.47
17	90.59	8	97.40	Mar. 5	88.23	19	111.21
21	90.47	14	97.04	13	87.35	26	110.09
24	90.45	21	97.78	19	86.74	Nov. 2	110.19
28	91.13	28	98.28	26	87.33	16	107.46
Mar. 3	91.75	Aug. 5	100.12	Apr. 2	85.51	23	112.23
7	92.25	12	101.66	9	85.41	30	110.47
10	92.51	19	102.62	16	85.23	Dec. 7	106.65
14	92.45	25	102.93	24	82.99	14	96.59
17	92.07	Sept. 2	103.47	30	83.56	21	95.46
21	91.56	11	103.91	May 8	85.35	28	93.23
24	91.09	18	104.46				

EB-127. Rock Ice Co. Baton Rouge. 150 ft south of Myrtle Ave., 50 ft west of Twelfth St. T. 7 S., R. 1 W. Drilled unused artesian well in sand of Pleistocene (?) age, diam 10 in, depth 330 ft (filled to 295 ft, Oct. 10, 1956), screened 229-295. Lsd about 48 ft above msl. MP top of casing, 2.00 ft below lsd. Highest water level 21.45 below lsd, May 7, 1957; lowest 51.76 below lsd, Nov. 29, 1956. Records available: 1956-59. Recorder installed Nov. 12, 1956.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.20
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.90
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.15	46.95
20	.....	.....	.....	.....	.....	.....	.....	h47.60	.....	.....	50.90	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.15	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.65	40.36

h Tape measurement.

## EB-127--Continued.

1957											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	40.95	.....	25.90	35.70	22.25	26.45	27.83	.....	.....	.....	47.20 31.85
10	46.05	31.55	28.50	36.60	26.05	24.50	e29.10	.....	.....	.....	43.25 26.80
15	46.40	29.30	34.70	27.90	27.40	24.12	e32.00	.....	.....	.....	41.70 28.80
20	43.75	30.65	36.05	27.20	29.60	25.05	e34.00	.....	.....	.....	43.10 33.50
25	42.30	25.15	32.45	28.35	32.30	25.95	e36.00	.....	.....	48.93	34.50 29.00
Eom	.....	29.70	34.95	27.05	29.55	26.34	.....	.....	.....	48.66	30.30 28.90
1958											
5	27.35	.....	44.10	30.20	e34.20	31.10	37.50	e33.10	.....	44.55	50.13 47.20
10	27.70	h31.89	.....	33.76	e32.50	36.60	38.70	.....	e46.50	45.47	49.10 47.32
15	32.00	.....	.....	34.70	e31.00	40.90	41.15	.....	47.73	46.80	50.62 43.53
20	31.63	.....	e36.00	30.84	e29.50	42.10	40.10	.....	47.78	46.90	50.72 49.44
25	34.85	.....	e34.00	35.68	e28.50	e40.50	e37.90	.....	46.00	48.73	45.20 44.84
Eom	.....	.....	e31.80	e35.30	.....	e38.50	34.90	.....	44.90	49.44	44.58 49.53
1959											
5	.....	37.90	29.70	33.25	.....	40.60	48.30	45.99	50.13	50.21	.....
10	46.30	36.72	33.18	.....	.....	40.60	48.50	47.50	50.17	47.40	.....
15	49.88	36.50	29.78	.....	e41.73	40.08	48.12	48.70	49.57	43.23	.....
20	45.18	33.80	35.03	.....	.....	41.33	48.46	48.05	49.92	36.99	.....
25	44.70	34.38	35.80	.....	.....	45.00	48.75	48.79	50.52	38.00	.....
Eom	43.50	33.58	34.91	.....	40.80	47.49	46.87	49.33	50.94	44.75	.....

e Estimated.

h Tape measurement.

EB-128. Ice Service Co., Baton Rouge. 135 South 15th St. T. 7 S., R. 1 W. Drilled unused artesian well in sand ("800-ft" sand of Baton Rouge area) of Pleistocene age, diam 8 in, depth 970 ft (previously reported 412 ft), screened 840-883, 916-970. Lsd 57.02 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 67.90 below lsd, Mar. 14-18, 24-27, 1946; lowest 128.42 below lsd, Sept. 9, 1956. Records available: 1940-59.

Water level at noon, from recorder graph, 1956											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	113.97	.....	109.38	105.82	105.50	108.59	.....	124.29	128.29	.....	.....
10	113.46	112.67	109.00	105.48	105.72	109.82	.....	125.34	128.29	.....	.....
15	113.13	112.20	108.37	105.36	105.90	111.81	.....	126.24	.....	123.87	.....
20	113.36	111.60	107.81	105.62	106.22	118.70	120.89	126.99	.....	.....	.....
25	113.68	110.85	107.20	105.51	106.52	.....	122.02	127.41	.....	.....	.....
Eom	.....	110.35	106.30	105.42	107.34	.....	123.36	127.94	.....	.....	.....
1957											
5	113.20	107.37	102.53	101.85	101.82	108.18	113.40	117.88	121.60	120.52	115.70
10	111.90	106.21	102.12	102.11	103.20	109.10	114.10	118.95	121.80	120.53	114.30
15	110.20	105.25	101.43	102.05	104.20	110.00	114.70	119.90	121.60	120.35	113.00
20	.....	104.32	101.07	101.97	105.20	110.80	115.40	120.58	121.42	119.55	111.50
25	.....	103.40	101.05	101.95	106.20	111.70	116.10	120.98	120.95	118.60	109.90
Eom	.....	103.06	101.47	101.94	107.40	.....	116.80	121.30	120.65	117.06	108.65
1958											
5	102.80	99.78	100.60	98.65	e97.60	97.92	103.85	107.92	111.83	110.78	110.25
10	102.02	99.56	100.39	98.10	97.38	98.70	105.05	108.93	111.84	110.97	109.23
15	101.32	99.47	100.11	97.62	96.97	99.53	105.70	109.82	111.83	110.98	108.00
20	101.00	99.55	99.94	97.36	96.82	100.53	106.05	110.47	111.59	110.95	107.09
25	101.65	99.62	99.58	97.48	97.02	101.58	106.35	110.93	111.17	111.01	106.36
Eom	100.08	100.01	99.33	97.50	97.38	102.78	107.02	111.42	110.82	110.90	105.93
1959											
5	100.78	99.21	96.51	94.19	.....	101.28	108.98	113.30	118.22	117.45	116.01
10	100.92	98.72	96.20	94.05	.....	102.87	109.97	114.23	118.56	117.12	115.12
15	100.90	98.23	95.77	93.54	95.70	104.31	110.60	115.47	118.42	116.60	113.35
20	100.89	97.98	95.30	.....	95.35	105.68	111.54	116.23	117.99	118.20	111.57
25	100.72	97.35	94.89	.....	97.19	106.99	112.47	116.93	117.62	115.98	110.07
Eom	99.93	97.12	94.27	.....	99.48	108.09	113.25	117.53	117.55	116.31	108.68

e Estimated.

h Tape measurement.

EB-242. Louisiana State University. E<sub>1</sub><sup>2</sup> sec. 74, T. 8 S., R. 1 W. Drilled unused artesian well in alluvium of Pleistocene (?) age (previously reported sand of Recent age), diam 2½ in, depth 173 ft (previously reported 180 ft). Lsd about 22 ft above msl. MP top inside edge of 2-in elbow atop casing, 2.80 ft above lsd. Highest water level 4.63 above lsd, Mar. 15, 1948; lowest 21.26 below lsd, Dec. 11, 1956. Records available: 1945-49, 1953-59.

## EB-242--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	-20.74	Jan. 14, 1958	-1.86	Sept. 2, 1958	-8.71	Apr. 24, 1959	-6.26
Apr. 26	3.93	21	6.02	11	13.25	30	6.16
May 29	11.25	28	7.73	18	14.82	May 8	6.85
July 16	16.83	Feb. 3	7.11	24	14.13	14	9.72
Aug. 21	18.29	12	6.79	Oct. 2	13.09	22	10.12
Oct. 11	20.47	17	6.25	13	14.31	June 5	9.87
Nov. 9	21.02	24	7.32	21	15.90	16	9.77
Dec. 11	21.26	Mar. 3	10.67	28	16.98	23	11.95
Jan. 4, 1957	16.29	10	11.45	Nov. 3	17.77	30	14.53
Mar. 8	3.80	17	7.01	10	18.34	July 7	16.25
May 1	-.05	21	6.33	18	18.70	13	16.66
3	+.55	24	5.54	24	18.50	21	18.08
6	.77	31	5.38	Dec. 1	16.83	27	16.89
14	.66	Apr. 7	4.02	8	16.55	Aug. 3	15.53
16	.15	16	3.85	15	16.76	10	15.92
June 8	1.46	21	4.14	22	16.86	17	17.10
10	2.03	28	4.38	29	18.20	25	17.14
11	2.25	May 5	3.53	Jan. 6, 1959	19.14	31	17.71
12	2.45	12	-1.39	12	19.09	Sept. 8	18.57
13	2.62	19	+.52	19	18.36	14	18.30
14	2.71	26	1.71	27	17.58	21	18.52
17	2.66	June 2	+1.56	Feb. 2	12.31	28	19.15
21	2.36	13	-5.97	6	9.66	Oct. 5	19.54
25	+1.87	23	8.98	13	7.20	12	16.78
July 30	-6.34	30	7.42	20	7.17	19	12.58
Aug. 28	15.10	July 8	6.85	27	4.69	26	12.07
Sept. 27	17.01	14	8.55	Mar. 5	3.35	Nov. 2	14.45
Nov. 8	16.77	21	8.78	13	3.59	16	15.30
Dec. 5	4.06	29	6.12	19	4.50	23	15.66
11	2.89	Aug. 5	3.67	26	5.33	30	16.82
17	4.16	12	2.72	Apr. 2	5.57	Dec. 7	17.31
24	3.80	19	2.50	9	6.19	14	15.95
31	3.25	25	3.71	16	6.62	21	13.59
Jan. 7, 1958	2.05						

EB-293. Consolidated Chemical Industries, Inc. Center W $\frac{1}{2}$  sec. 37 (previously reported N $\frac{1}{2}$ W $\frac{1}{2}$  sec. 37), T. 6 S., R. 1 W. Drilled unused artesian well in sand ("600-ft" sand of Baton Rouge area) of Pleistocene age, diam 12 to 6 in, depth 600 ft (previously reported 606 ft), screened 540-600. Lsd 57.37 ft above msl. MP top of recorder-shelter platform, 0.20 ft above lsd. Highest water level 81.10 below lsd, Mar. 8, 1946; lowest 234.00 below lsd, Sept. 24, 1956. Records available: 1944-59.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	162.00	145.97	152.74	141.22	.....	178.15	.....	216.75	.....	.....	182.28	172.28
10	163.45	144.61	147.54	142.24	149.65	186.20	.....	219.30	.....	.....	182.38	170.80
15	159.40	143.70	150.03	161.74	152.73	189.90	208.49	219.54	229.65	188.88	191.70	167.40
20	161.55	149.12	147.63	160.51	150.24	190.85	210.28	218.67	232.75	187.83	188.50	163.30
25	158.23	156.82	146.25	.....	162.66	191.18	211.15	217.85	233.70	186.13	184.95	166.70
Eom	158.04	160.24	142.18	.....	173.13	.....	211.85	.....	216.30	183.03	182.35	158.10

1957

5	159.10	150.60	153.90	148.68	139.45	170.50	196.04	205.00	189.30	.....	.....	153.80
10	.....	149.35	153.07	147.35	141.00	185.25	201.75	204.55	189.20	184.45	.....	145.40
15	.....	152.45	149.57	148.17	142.10	191.80	200.67	204.67	184.25	182.10	.....	140.40
20	.....	145.20	148.85	139.50	144.30	193.05	199.97	195.90	186.78	185.10	145.70	143.50
25	.....	154.20	151.45	138.70	164.05	194.80	201.05	197.80	186.00	189.50	149.15	138.75
Eom	.....	152.32	143.45	138.75	165.75	195.67	205.10	189.85	185.70	200.45	138.50	137.15

1958

5	137.10	131.60	150.40	128.40	130.25	138.20	170.96	178.90	167.10	.....	146.50	134.30
10	139.60	132.75	149.15	128.50	133.50	147.15	168.02	181.04	159.08	.....	142.85	132.15
15	135.30	133.90	148.65	128.00	133.25	148.65	172.15	181.52	167.25	.....	139.25	130.55
20	135.25	144.25	150.50	130.05	135.00	157.70	164.20	165.75	168.05	.....	137.45	130.85
25	133.70	150.15	133.30	128.90	.....	167.75	165.20	163.60	.....	.....	136.85	130.85
Eom	136.90	154.40	131.25	124.75	.....	168.70	179.80	180.27	.....	.....	136.20	128.05

1959

5	131.40	126.98	121.00	.....	129.50	164.05	170.30	192.10	190.30	189.45	158.45	133.85
10	132.55	125.85	118.75	118.44	130.85	168.05	176.20	192.30	183.05	190.25	151.50	130.40
15	131.75	124.55	.....	126.70	133.13	166.35	180.15	187.35	184.00	185.25	144.45	131.12
20	130.75	125.42	.....	124.85	150.70	165.40	187.80	188.25	181.75	178.05	141.35	128.65
25	132.40	124.65	.....	127.22	162.25	169.15	185.00	190.00	186.40	176.05	138.85	126.30
Eom	127.45	124.00	.....	127.50	165.60	168.00	188.62	189.45	187.70	169.25	135.55	124.20

e Estimated.

EB-295. Wood River Oil & Refining Co. S $\frac{1}{2}$ W $\frac{1}{2}$  sec. 50, T. 6 S., R. 1 W. Drilled unused artesian well in sand ("1500-ft" sand of Baton Rouge area) of Pleistocene age, diam 8 to 6 in, depth 1,340 ft, screened 1,240-1,340. Lsd about 65 ft above msl. MP top of recorder shelter floor, 2.00 ft above lsd. Highest water level 11.00 above lsd, Sept. 19, 1933 (previously reported 26.12 below lsd, Jan. 2, 1953); lowest 117.55 below lsd, Sept. 25, 1959. Records available: 1933, 1940, 1952-59.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	73.86	.....	76.11	.....	.....	86.65	90.38	92.42	92.88	97.07	98.54	96.02
10	73.90	.....	76.87	.....	83.80	87.52	90.65	92.07	94.23	96.84	99.23	95.45
15	74.49	.....	79.16	.....	84.23	87.69	91.57	92.31	94.69	96.90	97.93	96.20
20	75.59	.....	79.68	.....	84.48	88.06	91.29	91.52	95.67	96.96	96.66	95.21
25	75.80	.....	80.68	82.20	85.00	88.92	90.59	92.37	96.30	97.13	95.87	94.61
Eom	74.91	.....	81.56	82.74	86.00	90.00	92.21	92.50	96.88	96.46	97.27	94.86

1957

5	95.04	95.20	95.20	94.95	91.15	.....	.....	100.25	109.21	110.97	109.47	108.45
10	95.29	95.20	95.20	95.00	93.38	.....	.....	101.90	109.28	111.90	109.34	108.53
15	95.30	95.03	95.20	.....	93.11	91.25	.....	.....	108.96	110.63	109.91	109.59
20	95.30	95.00	95.20	.....	98.54	91.11	.....	104.73	110.12	110.22	108.82	109.81
25	95.30	95.00	95.20	91.64	.....	91.36	.....	106.76	110.88	110.25	108.55	109.83
Eom	95.27	95.10	95.20	91.33	.....	91.76	99.70	108.40	110.86	109.86	108.63	109.54

1958

5	109.84	109.68	109.13	106.71	108.62	109.90	.....	112.79	113.85	112.82	107.88	112.92
10	110.10	109.17	107.90	106.72	108.08	110.15	.....	111.71	114.17	113.90	111.54	113.01
15	110.40	109.27	108.20	107.34	108.40	109.80	.....	112.72	114.34	113.20	112.45	111.74
20	110.47	109.30	107.85	108.20	109.52	109.40	.....	113.16	113.95	111.51	112.63	112.75
25	110.12	109.97	107.63	108.90	109.07	108.95	.....	112.94	114.15	109.45	112.87	112.59
Eom	110.01	109.84	105.93	108.72	109.17	110.65	112.87	112.22	113.38	108.27	113.12	112.94

1959

5	111.07	109.11	108.40	111.95	111.78	113.26	114.94	107.47	116.57	116.15	113.80	.....
10	110.65	109.10	109.28	111.84	112.55	113.34	115.03	107.99	116.45	115.93	112.10	114.34
15	110.46	109.82	110.14	111.88	113.02	113.35	115.05	108.35	116.53	115.55	112.85	115.58
20	110.05	110.67	109.44	111.94	113.17	114.58	114.97	107.58	117.00	115.17	114.20	115.40
25	110.21	110.35	111.12	112.51	113.16	114.16	114.63	108.95	117.55	115.64	.....	115.58
Eom	110.92	109.70	111.40	111.66	111.82	114.36	107.80	106.49	117.20	114.43	.....	115.65

e Estimated.

EB-297. Louisiana State Highway Dept. W $\frac{1}{2}$ W $\frac{1}{2}$  sec. 37, T. 6 S., R. 1 W. Drilled unused artesian well in sand ("2,000-ft" sand of Baton Rouge area) of Miocene age, diam 4 in, depth 1,940 ft. Lsd about 61 ft above msl. MP top of 4-in nipple in 4-in cross, 2.20 ft above lsd. Highest water level 90.83 below lsd, Apr. 11, 1959; lowest 116.64 below lsd, Aug. 20, 1959. Records available: 1957-59. Recording gage installed Oct. 25, 1957.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 7, 1957	108.33	Aug. 28, 1957	108.96	Sept. 17, 1957	107.22	Oct. 21, 1957	98.02
12	107.02	Sept. 3	111.49	Oct. 1	108.78	25	98.14
19	106.98	10	110.31	9	103.80		

Water level at noon, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.63	97.20
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	99.85	95.08
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95.80	99.77
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95.32	97.95
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	e98.20	95.55	97.15
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.65	95.50	96.70

1958

5	96.60	97.10	97.75	96.85	97.60	103.79	108.60	106.45	111.95	112.89	108.86	105.57
10	99.35	97.75	98.25	96.15	93.87	106.70	108.95	105.35	112.30	112.67	108.57	105.92
15	95.52	98.66	98.28	97.50	96.50	109.80	108.30	107.30	111.45	114.27	108.01	107.85
20	94.93	96.40	97.45	99.20	98.25	111.55	106.90	108.65	112.81	113.83	104.23	107.71
25	96.15	96.36	97.30	99.25	99.30	111.65	105.70	109.50	113.17	113.25	103.93	107.72
Eom	96.43	97.30	97.15	97.70	102.62	111.00	106.95	112.60	114.00	112.76	104.69	107.68

1959

5	108.02	105.39	98.58	.....	96.60	103.61	110.78	114.95	106.23	107.15	101.29	102.55
10	108.16	103.10	96.70	94.50	98.50	103.73	109.76	115.62	105.96	105.61	103.25	98.33
15	106.58	103.12	97.97	92.73	96.67	103.55	108.90	116.11	106.28	105.07	103.14	.....
20	105.47	103.55	.....	92.17	100.80	105.32	109.85	116.44	106.67	105.07	102.87	.....
25	107.70	100.90	.....	92.62	103.82	107.80	109.17	115.81	107.04	104.86	103.42	.....
Eom	106.32	101.00	.....	93.40	103.28	109.85	115.70	116.07	107.32	104.34	102.50	.....

e Estimated.

EB-301. H. B. Whitter.  $W\frac{1}{2}$  irreg. sec. 91, T. 7 S., R. 1 E. Drilled unused artesian well in sand ("1200-ft" sand of Baton Rouge area) of Pleistocene age, diam 4 to  $2\frac{1}{2}$  in, depth 1, 281 ft, screened 1, 217-1, 281. Lsd 53.45 ft above msl. MP top of  $2\frac{1}{2}$ -in pipe extending 1.55 ft above 4-in "tee", 2.50 ft above lsd. Highest water level 17.00 above lsd, Feb. 23, 1943; lowest 50.81 below lsd, July 28, 1959. Records available: 1943-44, 1946-49, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5, 1956	29.60	Sept. 26, 1957	41.50	June 3, 1958	44.40	Mar. 4, 1959	47.00
Mar. 6	29.83	Nov. 8	44.79	July 2	45.71	Apr. 2	48.00
Apr. 20	31.49	Dec. 17	44.21	29	46.52	May 8	49.51
May 26	33.97	Jan. 15, 1958	44.03	Sept. 12	47.40	June 9	49.50
July 16	37.84	Feb. 12	43.86	Oct. 7	47.77	July 8	50.47
Aug. 20	38.57	Mar. 12	43.70	Nov. 5	47.41	28	50.81
Jan. 8, 1957	39.07	21	43.70	Dec. 3	48.10	Sept. 1	50.48
Feb. 12	39.30	Apr. 2	43.50	Jan. 7, 1959	47.19	Oct. 5	50.63
June 25	39.41	May 6	44.24	Feb. 4	47.03	Nov. 3	49.86
Aug. 19	43.96						

EB-304. Greenwell Springs Tuberculosis Hospital.  $E\frac{1}{2}E\frac{1}{2}$  irreg. sec. 49, T. 5 S., R. 2 E. Drilled public-supply artesian well in sand ("1500-ft" sand of Baton Rouge area) of Pleistocene age, diam 6 in, depth 1, 725 ft (previously reported 1, 738 ft), screened 1, 685-1, 725. Lsd about 67 ft above msl. MP centerline of 3-in discharge pipe, 0.65 ft above lsd. Highest water level 71.5 above lsd, Feb. 24, 1943; lowest 20.5 above lsd, Dec. 8, 1959. Records available: 1943-46, 1949-51, 1954-59.

Jan. 30, 1956	+35.30	Nov. 14, 1957	+26.00	Sept. 17, 1958	+25.50	May 15, 1959	+23.50
Mar. 1	33.20	Dec. 17	30.00	Oct. 8	26.30	June 4	23.70
Apr. 20	35.80	Jan. 15, 1958	31.40	Nov. 5	24.80	July 9	23.00
May 25	36.60	Feb. 13	31.80	Dec. 3	24.60	29	22.60
Aug. 23	35.90	Apr. 2	31.50	Jan. 8, 1959	25.00	Sept. 1	21.50
Oct. 11	30.90	May 8	30.30	Feb. 4	25.50	Oct. 6	23.00
May 6, 1957	32.30	June 3	31.00	Mar. 4	25.10	Nov. 3	21.10
July 2	32.00	July 29	29.30	Apr. 4	24.10	Dec. 8	20.50
Sept. 13	27.60						

EB-468. A. M. Holden.  $E\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Drilled domestic artesian well in sand ("2400-ft" sand of Baton Rouge area) of Miocene (previously reported Pleistocene) age, diam 4 in, depth 2, 430 ft, screened 2, 342-2, 430. Lsd about 73 ft above msl. MP top of concrete curbing at edge of swimming pool, at lsd. Highest water level 64.7 above lsd, May 13, 1948; lowest 27.7 above lsd, Nov. 3, 1959. Records available: 1948-51, 1953-59.

Jan. 31, 1956	+41.6	Nov. 14, 1957	+38.6	July 29, 1958	+38.8	May 15, 1959	+31.7
Mar. 1	40.3	Dec. 17	38.7	Sept. 12	37.9	June 4	31.3
Apr. 20	41.9	Jan. 15, 1958	38.9	Oct. 8	37.0	July 9	31.1
May 25	45.8	Feb. 12	39.1	Nov. 5	34.8	Aug. 3	30.5
July 16	43.4	Apr. 2	39.0	Dec. 3	34.9	Sept. 1	28.8
Aug. 20	41.2	May 8	37.5	Jan. 7, 1959	34.3	Oct. 6	28.0
Apr. 26, 1957	40.1	June 3	37.7	Feb. 4	38.7	Nov. 3	27.7
July 2	40.9	July 2	36.7	Apr. 4	32.0	Dec. 7	28.4

EB-469. A. M. Holden.  $E\frac{1}{2}$  sec. 53, T. 5 S., R. 1 E. Drilled unused artesian well in sand ("1000-ft" sand of Baton Rouge area) of Pleistocene age, diam 2 in, depth 920 ft. Lsd about 700 ft above msl. MP top of casing, at lsd. Highest water level 5.26 below lsd, Mar. 15, 1948; lowest 79.89 below lsd, Oct. 6, 1959. Records available: 1948-59.

Jan. 30, 1956	49.55	Dec. 17, 1957	73.74	Sept. 12, 1958	76.96	May 15, 1959	77.02
Mar. 1	50.68	Jan. 15, 1958	73.98	Oct. 8	77.32	June 4	77.22
Apr. 20	53.84	Feb. 12	74.24	Nov. 5	75.99	July 9	78.12
May 25	55.67	Apr. 2	73.27	Dec. 3	76.90	Aug. 3	78.49
July 16	59.98	May 8	73.54	Jan. 7, 1959	76.68	Sept. 1	79.05
Aug. 20	61.70	June 3	73.76	Feb. 4	75.45	Oct. 6	79.89
Apr. 26, 1957	64.58	July 7	74.44	Mar. 4	75.50	Nov. 3	79.10
July 2	63.11	29	75.51	Apr. 4	76.00	Dec. 7	79.02
Nov. 14	73.95						

EB-474. U. S. Geol. Survey. Watson farm.  $NW\frac{1}{4}NW\frac{1}{4}$  sec. 57, T. 5 S., R. 2 E. (previously reported  $S\frac{1}{2}W\frac{1}{2}$  sec. 49, T. 4 S., R. 2 E.). Drilled observation artesian well in sand of Pleistocene age, diam 6 in, depth 58 ft. Lsd 80.01 ft above msl. MP  $\frac{1}{2}$ -in nipple in concrete casing cover, at lsd. Highest water level 9.09 below lsd, May 8, 1949; lowest 14.99 below lsd, Jan. 30, 1956. Records available: 1948-59.

Jan. 30, 1956	14.99	Nov. 14, 1957	14.85	July 29, 1958	12.91	May 15, 1959	12.92
Mar. 1	14.07	Dec. 17	14.27	Sept. 17	13.31	June 4	12.45
Apr. 19	13.75	Jan. 15, 1958	13.83	Oct. 8	13.33	July 9	12.65
May 25	13.97	Feb. 13	13.49	Nov. 5	13.64	29	12.67
July 17	14.10	Apr. 2	12.58	Dec. 3	13.86	Sept. 1	12.69
Aug. 23	14.35	May 8	12.57	Jan. 8, 1959	14.02	Oct. 6	13.09
May 6, 1957	14.04	June 3	12.45	Mar. 4	12.91	Nov. 3	13.34
July 2	14.42	July 2	12.85	Apr. 11	12.84	Dec. 7	13.64

EB-517. Louisiana Dept. of Education.  $N\frac{1}{2}W\frac{1}{2}$  irreg. sec. 50, T. 6 N., R. 1 W. (previously reported sec. 39, T. 6 S., R. 1 W.). Drilled public-supply artesian well in sand ("2800-ft" sand of Baton Rouge area) of Miocene (previously reported Pleistocene) age, diam 12 to 8 in, depth 2,590 ft, screened 2,510-2,590. Lsd about 65 ft above msl. MP top of concrete foundation, at lsd. Highest water level 64.4 above lsd, Aug. 21, 1953; lowest 35.3 above lsd, Dec. 8, 1959. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+50.8	Aug. 19, 1957	+46.9	Sept. 17, 1958	+42.1	May 18, 1959	+40.2
Mar. 1	50.8	Oct. 29	46.9	Oct. 8	42.3	June 4	38.9
Apr. 20	49.5	Dec. 17	47.2	Nov. 3	41.1	July 9	37.6
May 25	50.5	Jan. 15, 1958	47.3	Dec. 3	40.9	29	36.0
July 16	50.3	Feb. 12	47.5	Jan. 7, 1959	40.1	Sept. 1	37.4
Aug. 20	48.4	Apr. 2	47.3	Feb. 4	41.1	Oct. 6	36.3
Sept. 14	50.6	May 8	46.0	Mar. 4	42.5	Nov. 2	35.6
Mar. 8, 1957	47.1	July 1	43.4	Apr. 4	38.1	Dec. 8	35.3
June 28	48.3	29	43.6				

EB-575. Louisiana State University.  $N\frac{1}{2}$  irreg. sec. 68, T. 8 S., R. 1 W. Drilled irrigation artesian well in sand ("2000-ft" sand of Baton Rouge area) of Miocene age, diam 12 to 6 in, depth 2,520 ft, screened 2,460-2,520. Lsd about 22 ft above msl. MP centerline of discharge pipe, 3.40 ft above lsd. Highest water level 70.0 above lsd, May 1955; lowest 52.6 above lsd, Nov. 3, 1958. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1955	+70.0	Jan. 14, 1958	+61.9	Aug. 25, 1958	+59.6	Apr. 4, 1959	+59.4
July 17, 1956	63.4	Apr. 18	63.0	Sept. 11	62.0	May 16	61.5
Oct. 11	63.8	June 3	63.7	18	60.6	June 5	59.5
Dec. 11	62.0	30	62.0	24	61.5	July 9	58.9
Mar. 8, 1957	62.7	July 4	62.2	Nov. 3	52.6	Aug. 3	58.9
June 11	63.2	17	60.5	Dec. 1	60.7	31	54.2
21	63.4	29	62.9	Jan. 6, 1959	60.2	Oct. 6	57.9
July 30	61.9	Aug. 5	61.3	Feb. 2	60.7	Nov. 2	57.9
Sept. 26	60.0	12	60.3	Mar. 5	61.6	Dec. 8	58.1
Nov. 8	59.6	19	59.9				

EB-581. Greenwell Springs Tuberculosis Hospital.  $E\frac{1}{2}E\frac{1}{2}$  irreg. sec. 49, T. 5 S., R. 2 E. Drilled public-supply artesian well in sand of Miocene age, diam 8 to 6 in, depth 2,590 ft, screened 2,540-2,590. Lsd about 67 ft above msl. MP centerline of  $\frac{4}{3}$ -in gage in  $\frac{3}{4}$ -in line tapping 8-in elbow, 3.00 ft above lsd. Highest water level 54.4 above lsd, May 25, 1956; lowest 33.2 above lsd, Sept. 1, 1959. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 25, 1956	+54.4	Dec. 17, 1957	+52.1	Sept. 17, 1958	+49.4	May 15, 1959	+45.3
July 17	52.3	Jan. 15, 1958	53.1	Oct. 8	47.1	June 4	43.9
Aug. 23	52.3	Feb. 13	51.0	Nov. 5	47.6	July 9	46.3
Oct. 11	51.0	Apr. 2	50.8	Dec. 3	46.6	29	40.6
May 6, 1957	53.6	May 8	51.5	Jan. 8, 1959	46.0	Sept. 1	33.2
July 2	54.3	June 3	50.2	Feb. 4	47.3	Oct. 6	37.8
Sept. 13	52.6	July 2	49.3	Mar. 4	47.1	Nov. 3	37.0
Nov. 14	52.2	29	49.7	Apr. 11	48.3	Dec. 8	37.4

#### East Carroll Parish

EC-26. R. N. Amacker.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 64, T. 20 N., R. 13 E. Drilled domestic artesian well in sand of Pleistocene age, diam 3 in, depth 99 ft, screened 90-99. Lsd 97.03 ft above msl. MP top of recorder-shelter floor, 3.00 ft above lsd. Highest water level 3.09 below lsd, May 14, 1958; lowest 23.71 below lsd, Dec. 30, 1954. Records available: 1954-59. Recorder removed Nov. 7, 1957.

#### Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	16.51	11.60	10.77	12.88	14.42	15.75	17.15	18.74	20.69	21.31
10	.....	.....	15.52	11.23	11.08	13.10	14.53	15.94	17.52	19.01	20.80	21.49
15	h22.49	.....	14.50	11.05	11.37	12.97	14.76	16.11	17.76	19.26	20.93	21.17
20	.....	.....	13.61	10.79	11.68	13.05	15.08	16.28	18.03	19.51	21.08	20.84
25	.....	.....	12.72	10.53	12.03	13.96	15.25	16.95	18.20	20.16	21.13	19.94
Eom	.....	.....	12.05	10.62	12.41	14.36	15.55	16.69	18.49	20.50	21.23	19.35

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.01	16.80	.....	11.40	6.58	5.09	6.05	.....	.....	14.48	14.72	.....
10	18.88	15.77	11.82	10.77	6.65	4.47	6.40	.....	13.73	14.76	.....	.....
15	18.89	14.99	12.08	9.84	7.42	4.86	6.57	.....	13.88	15.19	.....	.....
20	19.01	.....	12.06	8.93	.....	5.43	7.26	.....	13.80	15.50	.....	.....
25	.....	.....	12.15	8.02	.....	5.25	8.27	.....	13.93	15.23	.....	.....
Eom	17.80	.....	12.20	6.97	7.02	5.34	9.35	.....	14.12	15.36	.....	.....

h Tape measurement.



## EC-26--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 14, 1958	3.09	Dec. 30, 1958	16.08	June 4, 1959	10.43	Nov. 11, 1959	16.52
June 18	8.08	Mar. 16, 1959	10.14	Sept. 15	16.58	Dec. 21	16.00
Sept. 17	11.50						

EC-89. U.S. Geol. Survey. E $\frac{1}{2}$  sec. 41, T. 22 N., R. 12 E. Drilled observation artesian well in sand of Cockfield formation (previously reported of Pleistocene age), diam 4 to 2 in, depth 335 ft (previously reported 379 ft), screened 330-335. Lsd 106.05 ft above msl. MP top of recorder-shelter floor, 1.00 ft above lsd. Highest water level 13.53 below lsd, May 14, 1958; lowest 21.33 below lsd, Oct. 23, 1956. Records available: 1955-59. Recorder removed Dec. 4, 1957.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.88	20.49	18.16	16.40	16.70	18.10	18.99	.....	17.15	.....	.....	.....
10	20.93	19.91	18.03	16.47	16.89	18.38	19.03	.....	.....	.....	.....	.....
15	20.91	19.35	17.61	16.36	17.04	18.40	19.15	.....	.....	.....	.....	.....
20	21.00	18.96	17.38	16.48	17.22	18.53	19.28	.....	.....	.....	h21.17	.....
25	21.02	18.57	17.05	16.56	17.59	18.65	.....	.....	.....	.....	.....	.....
Eom	21.07	18.44	16.79	16.64	17.85	18.80	.....	.....	.....	.....	.....	.....

1957

5	.....	18.33	.....	16.28	16.22	16.45	16.04	17.18	.....	18.01	.....	.....
10	.....	18.06	17.04	.....	16.13	16.34	.....	17.42	18.27	18.04	.....	.....
15	18.67	17.93	17.01	.....	16.14	16.37	16.22	17.61	18.17	18.09	.....	.....
20	.....	17.80	16.88	16.22	16.19	16.38	16.42	17.79	.....	18.16	.....	.....
25	.....	17.35	16.81	16.20	16.35	16.25	16.64	17.98	.....	.....	.....	.....
Eom	.....	17.36	16.35	16.23	16.45	16.09	16.91	16.91	.....	.....	.....	.....

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 14, 1958	13.53	Dec. 30, 1958	17.15	Sept. 15, 1959	18.86	Nov. 10, 1959	19.35
June 18	14.56	Mar. 16, 1959	16.20	Oct. 15	19.31	Dec. 21	18.99
Sept. 17	16.95	June 3	16.64				

## Evangeline Parish

Ev-1. John LaHaye. SW $\frac{1}{4}$  sec. 20, T. 4 S., R. 1 E. Drilled irrigation artesian well in sand (Chicot aquifer) of Pleistocene age, diam 24 to 10 in, depth 210 ft, screened 130-210. Lsd 70.26 ft above msl. MP lower edge of discharge pipe, 1.17 ft above lsd. Highest water level 38.51 below lsd, Jan. 21, 1943; lowest 97.38 below lsd, July 16, 1951. Records available: 1939-59.

Apr. 4, 1956	68.16	Apr. 24, 1957	72.95	Apr. 28, 1958	70.45	Apr. 13, 1959	69.59
Sept. 5	89.68	Sept. 23	83.23	Sept. 3	81.67	Sept. 8	80.62
Apr. 3, 1957	72.80						

Ev-229. Chestley Fontenot. SE $\frac{1}{4}$  sec. 25, T. 4 S., R. 1 W. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 18 to 10 in, depth 234 ft (previously reported 135 ft), cased 18-in 0-121, 12-in 67-149, screened 149-234. Lsd 63.78 ft above msl (previously reported 65.78 ft above msl). MP top of recorder shelter floor, 2.35 ft above lsd. Highest water level 45.52 below lsd, Apr. 18, 1951; lowest 96.34 below lsd, July 3, 1954. Records available: 1949-59. For additional measurements, see Jones and others (1954).

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	61.20	.....	.....	56.86	60.20	85.10	90.57	90.98	81.55	76.23	73.13	69.37
10	60.87	.....	57.90	56.63	65.50	87.58	90.97	91.10	80.00	75.71	72.56	69.82
15	60.51	.....	57.52	56.45	73.72	88.10	93.06	90.70	79.24	75.24	71.58	68.00
20	60.21	.....	57.59	56.53	81.00	86.77	94.80	86.75	78.42	74.37	71.03	67.40
25	.....	.....	57.38	56.52	79.15	h86.50	95.60	.....	77.25	74.15	70.48	66.82
Eom	.....	.....	57.12	58.50	82.22	91.73	93.22	84.25	77.13	73.75	69.88	66.33

1957

5	65.88	63.00	61.08	59.58	59.54	72.82	78.30	79.75	81.39	71.55	67.69	64.68
10	65.38	62.61	60.95	59.56	60.90	73.38	82.93	85.83	79.37	70.89	67.03	64.03
15	.....	62.28	60.69	59.42	61.15	81.40	89.30	82.92	75.88	69.98	66.24	63.78
20	.....	61.98	60.39	58.99	62.05	82.08	88.00	82.34	74.36	69.47	65.83	63.19
25	63.92	61.55	60.11	59.05	67.55	81.50	85.31	83.83	73.32	68.88	65.36	62.91
Eom	63.35	61.47	60.00	59.06	73.50	79.81	80.19	84.00	72.33	68.25	65.08	63.41

h Tape measurement.

Ev-229--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	62.30	60.39	59.10	57.93	59.50	77.80	77.64	81.58	72.43	67.72	64.51	61.88
10	61.82	60.06	58.80	57.80	63.35	81.80	80.90	83.00	71.39	67.03	64.10	61.72
15	61.43	59.87	58.80	57.73	64.00	84.78	79.47	80.80	70.37	66.58	63.87	61.48
20	61.03	59.85	58.65	57.61	64.83	85.25	79.20	76.88	69.61	66.14	63.34	61.10
25	60.67	59.41	58.24	57.50	67.75	81.18	79.24	74.47	68.91	e65.50	62.82	60.72
Eom	60.48	59.18	58.19	58.80	74.20	76.78	79.85	73.17	68.34	65.02	62.48	60.23
1959												
5	60.17	58.38	57.48	56.75	65.85	79.58	83.98	75.96	71.75	67.57	63.89	61.36
10	59.97	58.43	57.40	56.51	68.10	76.64	84.20	74.85	70.88	66.78	63.63	61.03
15	59.51	58.19	57.37	56.50	68.48	73.20	83.60	76.67	70.02	66.04	63.11	60.55
20	59.22	58.19	57.23	56.10	66.70	70.95	85.09	75.60	69.45	65.57	62.64	60.22
25	.....	57.91	57.08	56.48	69.90	77.60	83.30	74.17	68.80	64.97	62.08	60.12
Eom	58.79	57.71	56.87	59.30	76.80	82.10	78.07	72.63	e68.15	64.28	61.85	59.80

e Estimated.

Ev-547. U. S. Geol. Survey. Irreg. sec. 23, T. 3 S., R. 1 E. Drilled observation artesian well in Chicot aquifer of Pleistocene age, diam 4 in, depth 79 ft (previously reported 207 ft), screened 74-79. Lsd 113.10 ft above msl. MP top of recorder-shelter floor, 2.00 ft above lsd. Highest water level 43.62 below lsd, May 28, 1954; lowest 48.31 below lsd, Nov. 9, 1957. Records available: 1954-59. Recorder removed July 27, 1958.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.28	46.44	.....	45.43	45.49	45.88	46.30	46.54	46.76	46.93	47.19	47.36
10	46.32	46.16	.....	45.42	45.53	45.99	46.38	46.56	46.79	47.02	47.16	47.30
15	46.28	46.14	.....	45.28	45.58	46.03	46.43	46.58	46.80	47.02	47.17	47.43
20	46.42	46.14	.....	45.52	45.63	46.09	46.45	46.61	46.88	47.01	47.22	47.43
25	.....	46.08	.....	45.44	45.68	46.17	46.49	46.69	46.91	47.08	47.17	47.47
Eom	46.48	46.05	.....	45.49	45.81	46.24	46.52	46.74	46.92	47.14	47.34	47.49
1957												
5	47.57	47.66	47.70	47.75	.....	47.30	47.53	47.80	.....	48.05	48.16	47.45
10	47.62	47.65	47.70	47.57	.....	47.34	47.56	47.79	.....	48.11	48.20	47.20
15	47.52	47.67	47.86	47.59	.....	47.39	47.58	47.82	.....	48.10	e48.00	47.21
20	47.49	47.75	47.63	47.40	.....	47.40	47.62	47.84	.....	48.10	e49.90	47.82
25	47.61	47.56	47.72	.....	.....	47.49	47.64	.....	47.95	48.20	47.62	47.09
Eom	47.61	47.80	47.55	.....	47.26	47.60	47.54	.....	48.03	48.03	47.67	47.12
1958												
5	47.06	46.53	46.22	45.79	45.56	45.58	45.83	.....	.....	.....	.....	.....
10	46.94	46.45	46.16	45.86	45.57	45.54	45.90	.....	.....	.....	.....	.....
15	47.00	46.40	46.16	45.72	45.60	45.56	45.97	.....	.....	.....	.....	.....
20	46.55	46.43	46.17	45.72	45.58	45.66	45.95	.....	.....	.....	.....	.....
25	46.77	46.22	46.02	45.64	45.49	45.72	46.05	.....	.....	.....	.....	.....
Eom	46.54	46.17	46.02	45.74	45.53	45.78	.....	.....	.....	.....	.....	.....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 25, 1958	47.29	Dec. 22, 1958	46.63	Apr. 22, 1959	44.71	Sept. 8, 1959	45.43
Sept. 2	46.33	Jan. 30, 1959	46.90	May 25	44.46	Oct. 2	45.62
22	46.34	Feb. 24	45.76	June 22	44.48	27	45.98
Oct. 27	46.25	Mar. 23	45.18	July 27	44.89	Dec. 31	45.86
Nov. 24	46.47	Apr. 13	45.02	Aug. 26	45.21		

## Grant Parish

G-2. Carnahan, Hunthunce & Hargiss. SW corner irreg. sec. 5, T. 5 N., R. 3 W. Drilled unused (previously reported domestic) artesian well in Catahoula sandstone of Miocene (?) age, diam 3 in, depth 298 ft. MP top of casing, 0.80 ft above lsd. Highest water level 1.77 below lsd, Apr. 27, 1942; lowest 47.99 below lsd, Aug. 21, 1959. Records available: 1938-45, 1950-59. For additional measurements, see Maher (1941).

Jan. 20, 1956	36.54	Mar. 1, 1957	37.63	Mar. 17, 1958	37.56	Feb. 16, 1959	41.19
Mar. 9	25.40	Apr. 29	34.03	Apr. 14	38.76	Mar. 16	41.13
Apr. 24	35.45	June 14	32.03	May 23	35.17	Apr. 20	41.99
May 21	35.14	July 15	36.79	June 16	38.82	May 21	44.93
June 23	35.70	Aug. 15	39.47	July 14	38.91	June 15	45.80
Aug. 13	36.39	Sept. 9	40.28	Aug. 18	40.38	July 20	47.89
Sept. 20	37.11	Oct. 7	39.02	Sept. 22	39.45	Aug. 21	47.99
Oct. 16	38.01	Nov. 14	36.49	Oct. 13	41.25	Sept. 14	47.56
Dec. 10	38.89	Dec. 16	38.29	Nov. 17	41.95	Oct. 19	45.36
Jan. 2, 1957	38.33	Jan. 3, 1958	38.14	Dec. 15	41.73	Nov. 16	47.22
Feb. 11	37.07	Feb. 3	38.15	Jan. 19, 1959	41.87	Dec. 22	44.58

G-127B. U. S. Forest Service. Camp Livingston. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 32, T. 6 N., R. 1 E. Driven observation water-table well in terrace deposits of Pleistocene age, diam 1 $\frac{1}{4}$  in, depth 97 ft, screened 94-97. MP top of casing, 1.00 ft above lsd. Highest water level 68.41 below lsd, July 24, 1959; lowest 72.06 below lsd, Nov. 24, 1956. Records available: 1956-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1956	70.41	Jan. 29, 1957	71.33	Jan. 28, 1958	70.80	Feb. 27, 1959	68.84
Feb. 24	70.27	Feb. 26	71.44	Feb. 26	70.13	Apr. 2	68.84
Mar. 22	70.43	Mar. 28	71.49	Mar. 25	70.22	Mar. 27	68.52
Apr. 30	70.68	Apr. 25	71.20	Apr. 27	69.84	May 27	68.52
May 28	70.61	May 28	71.00	May 26	69.50	June 26	68.45
June 25	70.64	June 26	70.89	June 26	69.23	July 24	68.41
July 24	70.79	July 25	70.88	July 25	68.92	Aug. 24	68.57
Aug. 23	70.96	Aug. 27	70.90	Aug. 25	68.66	Sept. 28	68.63
Sept. 24	70.93	Sept. 26	70.85	Sept. 26	68.52	Oct. 23	68.58
Oct. 26	71.08	Oct. 28	70.95	Oct. 24	69.63	Nov. 21	68.70
Nov. 24	72.06	Nov. 29	70.99	Dec. 22	69.75	Dec. 25	68.99
Dec. 26	71.19	Dec. 30	70.89	Jan. 28, 1959	68.96		

### Jefferson Davis Parish

JD-9. Welsh Canal Co. NW $\frac{1}{4}$  sec. 34, T. 9 S., R. 4 W. Drilled irrigation artesian well in Chicot aquifer of Pleistocene age, diam 24 to 12 in, depth 318 ft, screened 238-318. Lsd 24.10 ft above msl. MP lower edge of discharge pipe, 4.55 ft above lsd. Highest water level 19.52 below lsd, Mar. 29, 1943; lowest 74.26 below lsd, June 22, 1954. Records available: 1938-59. For additional measurements, see Stanley and Maher (1944).

Jan. 31, 1956	45.94	Jan. 28, 1957	48.92	Apr. 29, 1958	42.98	Mar. 24, 1959	41.30
Feb. 28	44.18	Apr. 2	44.75	May 28	49.45	Apr. 14	42.01
Apr. 3	42.29	22	43.85	June 25	58.34	22	41.35
May 2	43.91	May 28	51.52	July 29	59.95	May 26	53.34
29	59.95	June 26	58.35	Aug. 27	58.39	June 24	58.18
July 27	68.35	July 30	64.09	Sept. 3	57.87	July 28	61.06
Aug. 27	67.39	Sept. 24	60.17	24	54.57	Aug. 25	57.54
Sept. 5	62.91	Nov. 22	52.78	Oct. 28	52.13	Sept. 10	55.78
25	60.65	Dec. 24	49.88	Nov. 25	49.04	30	53.04
Oct. 24	58.20	Jan. 29, 1958	46.89	Dec. 23	47.14	Oct. 27	49.78
Nov. 27	54.18	Feb. 25	44.94	Jan. 28, 1959	44.43	Dec. 29	44.43
Dec. 26	51.67	Mar. 24	43.34	Feb. 25	42.47		

JD-14. Heard & Seward Lejeune. Formerly Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 21, T. 7 S., R. 4 W. Drilled irrigation artesian well in Chicot aquifer of Pleistocene age, diam 24 to 12 in, depth 350 ft, screened 270-350. Lsd 48.00 ft above msl. MP top of casing, at lsd. Highest water level 42.56 below lsd, Feb. 6, 1947; lowest 68.80 below lsd, Aug. 31, 1955. Records available: 1938-39, 1944-59.

Apr. 4, 1956	58.19	Apr. 22, 1957	59.10	Apr. 29, 1958	58.69	Apr. 14, 1959	58.63
Apr. 2, 1957	67.48	Sept. 24	63.01	Sept. 3	65.83	Sept. 9	62.12

JD-23. J. D. Pousson. Formerly Calcasieu-Marine National Bank. NE $\frac{1}{4}$  sec. 4, T. 10 S., R. 6 W. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 16 to 10 in, depth 353 ft, screened 116-243. Lsd 25.71 ft above msl. MP top of casing, at lsd. Highest water level 17.98 below lsd, May 8, 1942; lowest 69.35 below lsd, July 20, 1954. Records available: 1938-59. For additional measurements, see Stanley and Maher (1944).

### Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.27	43.67	42.38	41.17	41.02	53.82	61.00	65.41	61.68	56.75	53.85	51.04
10	45.05	43.31	42.21	41.04	41.46	55.40	61.55	64.74	60.80	56.05	53.26	50.81
15	44.63	43.10	41.88	40.75	45.30	58.65	63.97	66.39	60.75	55.83	52.75	50.17
20	44.48	43.08	41.92	41.03	51.10	60.14	66.65	66.70	59.62	55.42	52.42	49.55
25	44.27	42.81	41.73	41.15	52.56	59.92	67.42	65.77	58.65	54.82	51.87	49.27
Eom	44.07	42.74	41.40	41.07	54.45	59.90	66.26	63.55	57.62	54.09	51.45	48.56
1957												
5	48.24	46.35	44.74	43.51	42.15	47.12	51.92	66.05	65.40	57.33	52.84	49.34
10	47.97	46.01	44.62	43.32	41.84	46.25	56.37	64.77	62.77	56.34	52.38	48.74
15	47.52	45.78	44.55	43.12	41.72	47.65	61.52	62.95	61.87	55.38	51.35	48.43
20	.....	45.55	44.09	42.80	41.68	51.70	64.05	63.65	60.05	54.59	50.90	47.86
25	.....	45.05	43.98	42.59	.....	54.70	64.33	66.40	59.88	53.72	50.29	47.51
Eom	46.55	45.10	43.68	42.12	46.48	53.25	64.15	67.86	58.51	53.04	49.95	47.00

JD-23--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.77	44.57	43.08	41.63	40.90	49.33	57.80	61.45	57.29	51.78	48.63	46.35
10	46.28	44.33	42.81	41.54	40.85	53.08	60.35	64.20	56.74	51.07	48.48	46.15
15	45.98	44.02	42.70	41.37	41.04	54.05	57.58	.....	55.88	50.37	47.97	46.05
20	45.43	43.87	42.54	41.18	43.08	55.22	55.88	.....	e54.70	49.68	47.78	45.55
25	45.11	43.39	42.15	41.16	44.37	55.70	56.05	.....	53.61	49.37	47.25	45.25
Eom	44.77	43.27	41.96	40.98	45.54	54.93	57.46	57.57	52.58	49.10	47.06	44.80
1959												
5	44.76	42.88	41.35	40.35	.....	47.39	.....	.....	.....	50.10	46.89	44.41
10	44.43	.....	.....	40.15	.....	.....	.....	.....	52.79	49.53	46.55	44.63
15	43.92	.....	.....	40.35	.....	.....	.....	.....	.....	48.96	46.22	44.17
20	43.54	.....	.....	40.41	.....	.....	.....	.....	.....	48.41	45.71	43.98
25	41.81	41.81	40.70	.....	.....	50.85	.....	.....	.....	48.04	45.50	43.55
Eom	43.23	41.72	40.47	.....	46.26	53.27	56.58	.....	50.67	47.37	45.25	43.26

e Estimated.

e Estimated.

Lafayette Parish

Lf-6. Southwestern Louisiana Institute Horticultural Farm. Irreg. sec. 68, T. 9 S., R. 4 E. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 8 to 6 in, depth 184 ft, screened 160-180. Lsd 35.37 ft above msl. MP tap hole in south side pumpbase, at lsd. Highest water level 22.73 below lsd, Jan. 5, 1948; lowest 35.88 below lsd, Oct. 7, 1947. Records available: 1943-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 2, 1956	30.67	Apr. 22, 1957	31.55	Apr. 29, 1958	30.27	Apr. 14, 1959	29.69
Sept. 5	32.36	Sept. 25	32.41	Sept. 4	31.06	Sept. 9	30.83
Apr. 2, 1957	31.80						

Lf-437. Southern Pacific RR. Irreg. sec. 40, T. 11 S., R. 4 E. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 4 in, depth 150 ft, screened 130-150. Lsd 18.89 ft above msl. MP top of casing, 1.75 ft above lsd. Highest water level 12.06 below lsd, May 14, 1947; lowest 22.25 below lsd, July 15, 1947. Records available: 1946-59. For additional measurements, see Jones and others (1954)

Apr. 3, 1956	19.78	Apr. 23, 1957	20.37	Apr. 29, 1958	19.62	Apr. 14, 1959	19.68
Sept. 5	21.05	Sept. 25	21.24	Sept. 5	20.69	Sept. 9	20.68
Apr. 2, 1957	20.54						

Lf-479. City of Lafayette. Sec. 24, T. 9 S., R. 4 E. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 24 to 10 in, depth 212 ft, screened 122-206. Lsd 32.65 ft above msl. MP 3-in hole in top of casing cover, 0.20 ft below lsd. Highest water level 32.41 below lsd, May 10, 1953; lowest 48.89 below lsd, Apr. 2, 1956. Records available: 1951-58. Apr. 2, 1956, 48.89; Sept. 4, 40.48; Apr. 2, 1957, 39.94; Sept. 25, 40.77; Apr. 29, 1958, 39.67. Measurement discontinued.

La Salle Parish

La-42. Louisiana Delta Hardwood Lumber Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 9, T. 8 N., R. 3 E. Trout. Drilled unused water-table well in terrace deposits of Pleistocene age, diam 10 in, depth 50 ft. MP top of casing, 2.50 ft above lsd. Highest water level 30.93 below lsd, July 21, 1939; lowest 39.46 below lsd, Apr. 4, 1957. Records available: 1956-59. For additional measurements in this vicinity, see Maher (1941). Recording gage installed Mar. 27, 1956.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	37.44	37.42	37.56	37.82	38.36	38.43	38.27	39.06	39.11
10	.....	.....	.....	37.47	37.48	37.60	37.91	38.46	.....	38.45	39.13	39.21
15	.....	.....	.....	37.46	37.20	37.62	37.95	38.54	38.36	38.50	39.00	39.25
20	.....	.....	.....	37.54	37.13	37.54	38.10	38.58	38.38	38.66	38.85	39.27
25	.....	.....	.....	37.51	37.11	37.67	38.22	38.51	38.32	38.82	38.83	39.28
Eom	.....	.....	37.50	37.45	37.50	37.70	38.34	38.58	38.26	38.87	38.76	39.28

La-42--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.26	39.12	39.15	39.12	38.24	37.71	37.56	37.75	38.52	38.84	39.06	39.09
10	39.25	39.10	39.15	39.06	38.06	37.66	37.58	38.02	38.59	38.88	39.10	39.04
15	39.23	39.10	39.29	39.05	37.96	37.63	37.56	38.15	38.64	38.92	39.05	39.11
20	39.21	39.10	39.32	39.04	37.88	37.60	37.52	38.32	38.70	38.95	39.08	39.15
25	39.17	39.06	39.40	38.66	37.84	37.58	37.50	38.44	38.74	39.00	39.16	39.04
Eom	39.12	39.10	39.34	38.38	37.78	37.57	37.48	38.47	....	39.02	39.13	....
1958												
5	39.07	38.97	38.91	37.57	36.99	36.58	36.17	35.58	35.26	35.47	35.12	34.36
10	39.08	38.98	38.84	37.48	36.95	36.50	36.07	35.55	35.28	35.46	35.12	34.68
15	39.15	39.08	38.40	37.37	36.88	36.42	35.99	35.45	35.57	35.38	....	34.63
20	39.01	39.04	38.15	37.27	36.80	36.38	35.87	35.38	35.53	35.31	34.99	34.64
25	39.02	38.97	37.90	37.21	36.68	36.31	35.76	35.30	35.54	35.27	34.90	34.63
Eom	38.93	38.99	37.73	37.08	36.65	36.24	35.66	35.29	35.52	35.20	34.87	34.62
1959												
5	34.73	34.76	34.59	34.64	34.57	35.05	....	36.08	35.94	36.01	36.24	36.30
10	34.72	34.76	34.58	....	34.65	35.14	....	36.20	35.87	36.08	36.19	36.26
15	34.62	34.80	34.68	....	34.81	35.21	....	36.07	35.87	36.08	36.23	36.17
20	34.65	34.85	34.61	....	34.75	35.01	....	35.93	35.99	36.16	36.24	....
25	34.70	34.64	34.61	34.63	35.00	....	35.85	35.87	35.98	36.17	36.25	35.93
Eom	34.80	34.61	34.62	34.59	35.10	....	35.89	35.84	36.00	36.21	36.21	35.76

h Tape measurement.

## Livingston Parish

Li-10. McCarroll Lumber Co. Frost. NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 30, T. 7 S., R. 5 E. Drilled unused artesian well in sand of Pleistocene age, diam 2 in, depth about 350 ft. Lsd about 15 ft above msl. MP top of plug in 2- to 1 $\frac{1}{2}$ -in reducer "tee", 1.70 ft above lsd. Highest water level 5.50 above lsd, Dec. 29, 1947; lowest 0.67 above lsd, Aug. 10, 1954 (previously reported 2.65 below lsd, Nov. 30, 1954). Records available: 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+2.60	Apr. 12, 1957	+4.15	June 12, 1958	+4.00	May 14, 1959	+3.38
Feb. 28	2.30	June 26	3.37	July 10	4.29	June 4	3.40
Apr. 16	2.55	July 31	3.80	Aug. 7	4.38	July 14	4.00
June 11	2.52	Oct. 2	4.13	Sept. 10	4.45	Aug. 13	3.35
July 27	2.58	Nov. 19	4.28	Oct. 17	4.42	Sept. 17	2.80
Aug. 29	2.50	Jan. 23, 1958	4.31	Nov. 11	4.41	Oct. 16	3.20
Sept. 27	2.52	Mar. 5	4.28	Jan. 14, 1959	4.48	Nov. 12	2.95
Nov. 1	2.46	Apr. 9	4.33	Feb. 12	3.96	Dec. 16	3.50
Feb. 12, 1957	4.07	May 15	4.04	Mar. 11	4.08		

Li-52. Coy Kinchen. NW $\frac{1}{4}$ SW $\frac{1}{4}$  (previously reported SW $\frac{1}{4}$ NW $\frac{1}{4}$ ) sec. 20, T. 6 S., R. 6 E. Drilled domestic artesian well in sand of Pleistocene age, diam 4 to 3 in, depth 1,865 ft (previously reported 1,800 ft), screened 1,825-1,865. MP centerline of 1 $\frac{1}{2}$ -in "tee", 1.25 ft above lsd. Highest water level 116.2 above lsd, Nov. 30, 1950; lowest 94.57 above lsd, Nov. 10, 1959. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+102.1	Apr. 12, 1957	+100.0	June 12, 1958	+101.0	May 12, 1959	+99.43
Feb. 28	102.5	June 26	101.2	July 10	99.3	June 2	95.73
Apr. 16	102.8	July 31	98.8	Aug. 7	99.9	July 14	95.96
June 11	102.5	Oct. 2	99.4	Sept. 10	99.7	Aug. 11	99.19
July 27	102.1	Nov. 19	99.5	Oct. 17	98.8	Sept. 15	95.96
Aug. 29	100.7	Jan. 23, 1958	98.9	Nov. 11	98.6	Oct. 16	95.04
Sept. 27	100.8	Mar. 5	99.2	Jan. 13, 1959	98.3	Nov. 10	94.57
Nov. 1	97.6	Apr. 9	99.5	Feb. 12	98.7	Dec. 16	95.50
Feb. 12, 1957	100.5	May 15	99.8	Mar. 11	99.4		

Li-54. St. Margaret's Catholic Church. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 2, T. 7 S., R. 6 E. Drilled public-supply and irrigation artesian well in sand of Pleistocene age, diam 2 $\frac{1}{2}$  in, depth 2,141 ft (previously reported 2,101 ft), screened 2,101-2,141. Lsd about 30 ft above msl. MP centerline of 2-in "tee", 0.80 ft above lsd. Highest water level 121.8 above lsd, Nov. 30, 1954, Jan. 10, Feb. 1, Apr. 4, 1955; lowest 106.60 above lsd, Sept. 17, 1959. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+113.5	Apr. 12, 1957	+112.1	June 12, 1958	+114.7	May 14, 1959	+111.22
Feb. 28	112.1	June 5	109.3	July 10	111.4	June 4	111.22
Apr. 16	113.0	July 31	109.0	Aug. 6	112.8	July 14	107.75
June 11	113.0	Oct. 2	111.2	Sept. 10	110.1	Aug. 11	111.03
July 27	113.3	Nov. 21	111.0	Oct. 17	111.2	Sept. 17	106.60
Aug. 29	111.6	Jan. 23, 1958	111.0	Nov. 11	110.1	Oct. 16	107.60
Sept. 27	109.8	Mar. 5	113.9	Jan. 15, 1959	112.6	Nov. 12	107.98
Nov. 1	108.3	Apr. 9	111.0	Feb. 12	114.7	Dec. 16	107.30
Feb. 12, 1957	111.6	May 15	111.7	Mar. 11	111.7		

Madison Parish

Ma-10. Illinois Central RR. SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 10, T. 16 N., R. 13 E. Drilled unused (previously reported observation) artesian well in alluvium of Pleistocene (previously reported Recent) age, diam 8 in, depth 79 ft. MP top of casing, 0.50 ft above lsd. Highest water level 3.40 below lsd, May 4, 1958; lowest 17.37 below lsd, Aug. 12, 1957. Records available: 1953-59. Recorder installed Dec. 6, 1957.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	14.70	Sept. 11, 1956	14.43	Mar. 6, 1957	12.82	Aug. 12, 1957	17.37
Mar. 7	11.05	Oct. 22	15.44	Apr. 16	10.85	Sept. 5	13.72
Apr. 17	8.88	Nov. 20	15.78	May 7	11.29	Oct. 2	13.64
May 15	9.65	Dec. 18	15.64	June 4	12.17	Nov. 7	12.84
June 10	11.08	Jan. 31, 1957	14.21	July 10	12.41	Dec. 4	9.59
Aug. 7	13.24						

## Water level at noon, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	8.82
15	....	....	....	....	....	....	....	....	....	....	....	8.97
20	....	....	....	....	....	....	....	....	....	....	....	8.77
25	....	....	....	....	....	....	....	....	....	....	....	8.77
Eom	....	....	....	....	....	....	....	....	....	....	....	8.38

1958

5	8.55	....	....	6.28	3.97	7.24	7.58	8.88	9.29	7.11	8.78	8.72
10	8.60	....	....	6.43	5.05	7.67	7.40	9.18	9.56	7.45	8.22	....
15	8.12	....	8.60	6.23	5.46	8.15	7.53	9.42	9.68	7.72	7.93	....
20	7.96	....	6.62	6.49	5.20	6.35	7.89	9.30	8.25	8.01	7.97	....
25	7.19	....	5.86	6.60	5.87	6.43	7.95	8.75	7.18	8.26	8.28	....
Eom	....	....	6.10	4.42	6.65	7.05	8.45	9.01	7.27	8.47	8.47	8.83

1959

5	8.87	7.51	....	7.15	6.67	8.48	9.74	9.72	11.17	12.10	12.62	12.67
10	8.85	7.44	....	7.32	7.16	8.15	9.68	10.04	....	12.22	12.65	12.72
15	8.66	6.28	....	7.21	7.58	8.42	9.72	10.31	11.38	12.36	12.60	12.68
20	8.42	6.65	6.88	5.55	7.94	8.80	9.60	10.60	11.56	12.40	12.60	11.50
25	8.49	....	6.58	5.82	7.97	9.18	9.50	10.85	11.72	12.48	12.65	11.32
Eom	8.65	....	6.87	6.30	8.24	9.45	9.40	11.02	11.90	12.60	12.70	11.23

Morehouse Parish

Mo-5. International Paper Co., Southern Kraft Division, Bastrop Mill. Bastrop. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 25 (previously reported sec. 24), T. 21 N., R. 5 E. Drilled unused (previously reported industrial) artesian well in Sparta sand, diam 10 in, depth 860 ft. MP top edge of 2- by 4-in brace in recorder-shelter floor, 1.60 ft above lsd. Highest water level 143.85 below lsd, Dec. 22, 1958; lowest 187.32 below lsd, Nov. 1, 1956. Records available: 1955-59.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	170.95	174.65	176.12	....	177.45	173.90	159.00	173.78	....	177.55	177.00	174.9 <sup>h</sup>
10	168.95	172.52	179.12	....	178.80	174.55	171.60	173.92	....	177.16	178.15	173.8 <sup>h</sup>
15	175.46	175.50	176.10	....	180.70	174.75	171.45	176.78	176.15	178.90	176.45	176.50
20	174.55	172.65	171.05	176.00	179.98	173.74	170.40	175.90	181.70	179.18	176.02	171.9 <sup>h</sup>
25	174.65	173.10	171.16	176.60	178.00	175.42	170.65	181.35	173.30	177.23	174.53	154.2 <sup>h</sup>
Eom	171.30	177.90	174.40	178.63	175.86	177.42	172.30	178.42	176.08	185.58	175.40	170.3 <sup>h</sup>

1957

5	174.75	180.59	180.70	173.50	176.78	185.25	166.62	174.40	172.55	168.15	167.95	167.3 <sup>h</sup>
10	175.85	180.00	179.83	175.20	181.25	185.35	172.78	176.95	173.90	167.60	166.33	167.0 <sup>h</sup>
15	177.58	179.70	180.70	....	183.20	182.25	174.60	177.60	175.90	167.55	165.60	164.5 <sup>h</sup>
20	179.12	179.80	182.40	176.25	183.82	181.60	174.40	176.67	175.40	169.90	165.86	160.4 <sup>h</sup>
25	178.20	180.70	161.25	177.44	183.55	183.25	174.90	173.60	176.45	166.00	165.65	152.10
Eom	179.07	180.25	157.22	160.32	164.00	184.67	175.15	176.00	171.74	164.20	166.33	145.3 <sup>h</sup>

1958

5	164.55	....	165.00	....	....	166.80	148.40	171.75	171.50	166.65	171.05	168.3 <sup>h</sup>
10	166.95	164.50	164.20	....	....	163.00	164.86	171.70	174.95	166.95	169.85	163.4 <sup>h</sup>
15	168.55	165.25	....	....	....	152.65	167.15	171.90	173.05	164.75	164.85	170.6 <sup>h</sup>
20	165.25	166.25	....	....	....	164.05	165.25	170.84	171.85	168.40	166.15	165.0 <sup>h</sup>
25	....	165.85	....	....	....	151.75	163.35	167.55	170.15	166.50	167.80	165.10
Eom	....	165.50	....	....	....	157.75	160.15	171.45	173.40	166.85	166.50	158.10

Mo-5--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	166.95	167.60	170.65	169.95	169.40	173.73	155.95	174.10	174.15	171.00	174.30	171.00
10	154.75	166.65	169.35	167.60	172.35	169.96	170.13	173.80	172.25	174.25	173.12	172.15
15	170.80	158.30	169.33	169.60	171.80	169.55	173.60	166.50	170.70	175.50	174.73	168.76
20	160.90	170.62	169.85	169.15	173.70	167.15	173.52	173.20	173.00	179.40	174.40	157.63
25	165.15	167.90	171.90	170.30	173.65	171.25	174.10	174.25	173.45	171.31	174.27	152.81
Eom	168.85	172.37	154.60	172.60	174.24	172.50	173.50	173.30	174.15	173.50	175.25	161.37

Mo-11. International Paper Co., Southern Kraft Division. Louisiana Mill. Bastrop.  
 SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 24, T. 21 N., R. 5 E. Drilled unused (previously reported industrial) artesian well  
 in Sparta sand (previously reported of Pleistocene age), diam 16 to 10 in, depth 890 ft. MP top of  
 steel bracket welded to casing, 0.80 ft above lsd. Highest water level 169.40 below lsd, Dec. 27,  
 1957; lowest 207.12 below lsd, June 5, 1957. Records available: 1954-59.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	196.45	198.10	201.40	197.58	201.10	199.10	183.15	197.37	200.25	199.50	200.89	199.30
10	190.48	199.09	202.10	197.04	202.08	198.10	193.60	196.90	202.00	202.87	203.00	198.80
15	198.95	200.55	197.65	198.50	202.55	188.25	185.30	199.09	194.12	203.78	196.00	200.80
20	199.74	199.60	196.19	197.22	202.59	195.20	188.76	190.32	203.47	196.32	201.64	189.88
25	192.33	200.20	198.02	199.00	203.15	192.35	191.90	204.52	200.90	200.32	193.90	180.32
Eom	197.62	200.95	198.00	201.92	198.35	195.50	188.40	201.53	202.18	201.62	199.90	188.40

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	200.40	205.45	206.02	199.00	200.62	206.85	198.90	199.32	197.20	195.96	195.90	192.67
10	201.68	205.48	205.93	200.29	202.78	205.58	198.60	200.20	199.70	194.70	194.16	193.82
15	203.43	205.70	206.38	.....	204.10	204.73	198.89	201.63	198.90	194.51	197.90	194.85
20	204.34	206.05	206.25	201.16	204.20	204.52	201.03	199.62	193.72	196.20	194.91	192.55
25	204.62	206.00	194.49	201.60	204.92	205.10	201.53	200.20	199.12	188.16	193.03	184.78
Eom	205.00	206.07	190.78	193.47	197.91	205.58	199.15	201.61	198.04	185.69	193.80	170.80

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	190.25	192.20	192.25	191.70	190.00	191.00	181.10	197.20	196.10	188.55	196.60	192.75
10	192.20	191.45	191.80	192.65	191.50	191.45	194.75	196.25	199.00	188.20	196.70	187.00
15	193.25	192.35	192.05	192.00	191.90	187.55	196.10	199.63	198.50	187.60	194.80	195.80
20	193.55	192.70	192.15	189.70	190.90	192.62	193.75	197.70	195.90	192.95	185.45	190.05
25	192.53	192.55	192.12	193.75	186.85	192.15	193.50	197.45	189.55	190.75	190.75	180.05
Eom	192.45	192.55	188.25	192.50	190.55	170.55	196.50	198.55	189.20	191.00	186.35	188.10

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	193.40	189.15	192.85	193.00	192.30	198.75	179.75	198.70	198.20	189.10	198.70	191.85
10	186.55	188.40	192.15	191.15	197.25	192.98	189.55	198.50	195.90	196.90	192.30	193.33
15	189.10	187.80	193.75	195.20	193.65	192.77	194.51	191.75	191.75	198.05	198.34	190.48
20	189.80	194.15	192.40	193.60	197.35	186.20	197.75	192.50	197.50	198.65	198.17	185.00
25	189.65	191.40	195.65	196.05	198.75	190.27	195.35	195.00	197.80	191.35	192.63	175.60
Eom	193.30	195.70	192.90	197.85	199.21	192.62	193.70	197.60	193.10	192.60	194.70	181.35

Mo-15. International Paper Co., Southern Kraft Division. Louisiana Mill. Bastrop.  
 NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 24, T. 21 N., R. 5 E. Drilled unused water-table (previously reported artesian)  
 well in terrace deposits of Pleistocene age, diam 26 to 16 in, depth 99 ft (previously reported  
 105 ft). MP top of concrete base, 1.00 ft above lsd. Highest water level 74.83 below lsd,  
 Apr. 29, 1953; lowest 83.53 below lsd, Nov. 9, 1957. Records available: 1945-59.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	79.48	79.77	79.68	79.87	80.30	80.47	80.98	81.35	81.88	82.11	82.56	82.84
10	79.60	79.57	79.52	79.91	80.25	80.66	81.05	81.46	.....	82.07	82.40	82.52
15	79.40	79.78	79.65	79.75	80.30	80.70	81.07	81.42	81.89	.....	82.70	82.94
20	79.68	80.07	80.00	80.37	80.32	80.65	81.18	81.60	82.08	82.20	.....	82.80
25	79.86	79.95	80.00	80.23	80.40	80.82	81.15	81.70	82.03	82.42	82.45	83.10
Eom	79.75	80.03	79.99	80.40	80.45	80.90	81.38	81.82	82.02	82.32	82.75	82.78

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.83	82.33	.....	82.83	.....	82.50	82.88	83.17	82.90	82.81	83.07	82.74
10	83.02	.....	82.23	82.65	82.94	82.60	82.82	82.86	83.05	82.83	83.23	82.60
15	.....	.....	82.62	82.80	83.02	82.67	82.90	83.12	82.86	82.69	82.96	82.75
20	.....	.....	82.34	82.94	82.80	82.51	82.97	83.18	82.95	82.81	83.07	82.68
25	.....	.....	82.55	83.03	82.78	82.66	83.02	83.00	82.75	82.98	82.87	82.39
Eom	.....	.....	82.36	82.93	82.61	82.95	83.00	82.98	82.79	82.90	83.23	82.51

h Tape measurement.

Mo-15--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.49	81.80	82.02	81.65	81.61	81.46	80.88	81.45	81.36	81.12	.....	81.35
10	82.33	81.99	82.10	81.84	81.76	81.15	80.80	81.50	81.28	81.38	81.60	81.41
15	82.41	82.10	82.06	.....	81.76	81.18	80.70	81.48	81.33	81.18	81.50	81.63
20	81.97	82.26	82.04	81.77	.....	81.26	80.80	81.45	81.19	81.25	81.45	81.74
25	82.12	81.96	81.90	82.18	81.39	81.21	81.07	81.47	81.31	81.52	81.32	81.55
Eom	82.20	82.57	81.93	82.01	81.32	81.08	81.22	81.51	81.14	81.44	81.51	81.49

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	81.88	82.00	81.34	81.11	81.67	81.26	81.72	82.13	82.48	82.44	82.60	82.38
10	81.80	82.05	81.29	81.30	81.38	81.50	81.73	82.26	82.51	82.60	82.34	82.32
15	81.91	83.40	81.49	81.21	81.50	81.44	81.86	82.19	82.38	82.78	82.54	82.05
20	.....	82.47	80.85	.....	81.36	81.42	.....	82.21	82.38	.....	82.61	82.26
25	81.55	82.03	80.94	81.42	.....	81.55	81.94	82.19	82.41	82.74	82.37	82.14
Eom	81.09	81.89	80.94	81.56	81.32	81.63	81.90	82.20	82.63	82.68	82.75	82.28

e Estimated.

Mo-67. D. W. Pipes. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 19 N., R. 6 E. Drilled observation artesian well in sand of Pleistocene (previously reported Recent) age, diam 3 in, depth 81 ft, screened 71-81. Lsd 73.67 ft above msl. MP top of coupling, 7.90 ft above lsd. Highest water level 1.65 below lsd, Apr. 22, 1959; lowest 13.89 below lsd, Oct. 20, 1954. Records available: 1953-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1956	11.57	Mar. 14, 1957	7.10	Mar. 12, 1958	2.29	Feb. 18, 1959	2.18
Mar. 7	7.30	Apr. 16	5.15	Apr. 16	3.62	Mar. 17	2.86
Apr. 17	5.05	May 3	3.47	May 21	1.85	Apr. 22	1.65
May 16	5.67	June 6	4.84	June 18	4.07	May 22	5.28
June 11	8.45	July 10	6.69	July 16	5.06	June 16	4.97
Aug. 9	11.68	Aug. 13	9.36	Aug. 20	7.44	July 22	7.78
Sept. 12	10.84	Sept. 10	10.26	Sept. 17	7.48	Aug. 19	9.28
Oct. 23	13.33	Oct. 4	9.34	Oct. 15	5.56	Sept. 15	8.94
Nov. 20	13.41	Nov. 7	8.35	Nov. 20	5.78	Oct. 21	9.25
Dec. 20	12.34	Dec. 12	2.93	Dec. 17	6.03	Nov. 18	8.32
Feb. 5, 1957	9.39	Feb. 6, 1958	2.32	Jan. 21, 1959	5.20	Dec. 22	6.42

## Orleans Parish

Or-11. Gardeners & Shippers Ice Co., Ltd. 734 Forstall St. New Orleans. T. 12 S., R. 13 E. Drilled industrial artesian well in sand ("700-ft" sand of New Orleans area) of Pleistocene age, diam 6 in, depth about 800 ft. Lsd about 5 ft above msl. MP top inside edge of 1 $\frac{1}{2}$ -in hole in west side of pump base, 1.40 ft above lsd. Highest water level 65.77 below lsd, Apr. 2, 1951; lowest 109.60 below lsd, May 1, 1959. Records available: 1950-59. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	94.20	Jan. 23, 1957	89.91	Jan. 17, 1958	92.66	Mar. 25, 1958	91.50
Mar. 6	90.18	Apr. 9	88.36	Mar. 5	94.48	May 1, 1959	109.60
Apr. 17	92.49	June 4	92.00				

Or-22. Cochran's Boat Yard. Formerly L. M. Pfisterer. Irreg. sec. 39, T. 11 S., R. 14 E. Drilled unused (previously reported domestic) artesian well in sand ("700-ft" sand of New Orleans area) of Pleistocene (previously reported Quaternary) age, diam 2 in, depth 606 ft. Lsd about 5 ft above msl. MP top inside edge of side opening in 2-in "tee", at lsd. Highest water level 5.24 below lsd, Sept. 17, 1953; lowest 12.23 below lsd, Jan. 24, 1959. Records available: 1953-57, 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	8.09	Apr. 10, 1957	9.23	Mar. 12, 1959	11.48	July 13, 1959	10.98
Mar. 6	7.77	June 3	9.20	13	11.80	Oct. 1	10.95
Apr. 17	8.27	Jan. 24, 1959	12.23	May 1	11.16	Dec. 9	12.2

Or-42. U. S. Navy. Naval Base. Northeast corner of intersection Ave. D, and Fifth St., Algiers. T. 13 S., R. 12 E. Drilled unused artesian well screened in sand ("700-ft" sand of New Orleans area) of Pleistocene age, diam 8 in, depth about 800 ft. Lsd about 10 ft above msl. MP top of casing, 0.85 ft above lsd. Highest water level 41.57 below lsd, May 25, 1942 (previously reported 71.07 below lsd, Mar. 10, 1950); lowest 114.19 below lsd, Sept. 14, 1959. Records available: 1942, 1949-59.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	97.40	96.03	93.24	95.80	97.07	99.06	103.60	106.74	105.98	106.85	105.25	102.14
10	96.88	95.80	93.59	95.16	97.49	99.76	103.01	107.08	106.50	106.77	105.97	104.87
15	96.84	92.79	94.75	94.77	98.49	100.04	104.78	106.26	104.04	104.79	105.68	96.87
20	97.01	93.32	94.04	96.28	97.86	101.01	105.97	105.29	103.84	106.46	105.32	96.27
25	95.67	94.97	94.79	95.88	97.09	102.25	.....	106.97	105.43	105.94	104.60	102.19
Eom	94.89	94.14	95.20	95.69	97.51	103.57	105.88	103.77	106.20	106.25	104.05	100.67



Or-42--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	97.40	90.30	87.95	90.20	91.20	94.15	99.35	102.16	105.00	103.71	100.30	96.52
10	91.65	91.07	87.67	89.72	92.02	93.77	100.34	104.45	104.21	102.50	101.06	95.56
15	90.50	91.17	89.30	89.08	91.65	96.63	101.23	104.82	106.06	100.85	101.53	95.85
20	91.25	89.90	88.55	90.90	90.69	96.82	102.37	104.40	107.14	101.78	100.82	96.91
25	91.90	89.92	87.90	91.58	92.97	96.10	101.85	105.65	105.70	102.95	98.17	93.95
Eom	91.10	89.82	88.35	90.17	95.00	97.90	101.67	106.79	103.12	101.25	96.94	92.27
1958												
5	91.72	93.70	94.25	95.40	94.83	104.30	109.87	111.62	111.23	.....	99.85	103.35
10	93.89	92.84	93.97	95.30	97.13	105.63	109.50	112.10	111.40	103.27	99.00	105.40
15	93.28	94.66	94.37	94.99	98.82	107.62	110.18	112.13	.....	101.83	101.64	101.93
20	92.72	92.40	93.52	96.20	99.30	108.81	.....	111.38	.....	100.96	98.41	101.63
25	94.55	92.25	93.98	97.45	101.41	108.57	.....	111.04	.....	103.32	100.50	98.63
Eom	94.40	93.98	94.78	96.00	103.57	108.06	111.38	112.50	.....	102.05	102.00	97.16
1959												
5	95.40	97.05	98.02	99.85	100.32	109.50	110.03	111.91	113.84	112.52	111.79	106.34
10	98.07	95.60	97.78	101.43	103.75	108.87	111.00	112.20	112.32	113.62	110.53	105.05
15	97.84	97.25	98.84	100.24	106.62	108.75	111.24	113.10	112.80	113.20	111.40	102.85
20	96.23	98.25	99.43	99.75	106.94	110.92	111.00	113.11	113.75	111.97	111.65	102.33
25	97.14	97.11	99.26	101.50	106.63	110.85	112.46	112.55	113.78	112.06	111.90	99.35
Eom	97.78	98.15	98.27	101.25	109.03	109.74	112.56	112.09	113.19	112.50	105.55	96.85

h Tape measurement.

Ouachita Parish

Ou-23. Southern Carbon Co. Fairbanks. S $\frac{1}{2}$  sec. 37, T. 19 N., R. 4 E. Drilled industrial artesian well in Sparta sand, diam 6 in, depth 726 ft, screened 704-726. MP top edge of 2-in top hole in casing, 5.90 ft above lsd. Highest water level 77.94 below lsd, Feb. 13, 1946; lowest 108.54 below lsd, Dec. 23, 1959. Records available: 1946, 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	106.51	Mar. 14, 1957	107.08	Mar. 13, 1958	106.93	Mar. 17, 1959	107.01
Mar. 7	106.05	Apr. 17	107.24	Apr. 15	107.28	Apr. 22	106.75
Apr. 17	105.77	May 3	106.54	May 21	105.85	May 22	107.07
May 16	106.16	June 6	106.71	June 25	105.78	June 16	107.12
June 11	96.54	July 11	107.20	July 15	106.19	July 22	107.50
Aug. 10	107.58	Aug. 14	107.77	Aug. 20	106.84	Aug. 19	108.06
Sept. 13	107.60	Sept. 10	107.88	Sept. 18	106.76	Sept. 16	107.84
Oct. 23	107.76	Oct. 8	108.05	Oct. 15	106.80	Oct. 21	107.88
Nov. 21	107.83	Nov. 12	108.05	Nov. 20	107.02	Nov. 18	108.14
Dec. 20	107.80	Dec. 12	107.53	Jan. 21, 1959	107.08	Dec. 23	108.54
Feb. 5, 1957	107.14	Feb. 6, 1958	106.59	Feb. 18	106.90		

Ou-77. Olin Mathieson Chemical Corp. Formerly Brown Paper Co. West Monroe. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 3, T. 17 N., R. 3 E. Drilled unused artesian well in Sparta sand, diam 26 to 16 in, depth 851 ft. MP top of recorder shelter floor, 2.40 ft above lsd. Highest water level 168.82 below lsd, July 7, 1952; lowest 268.52 below lsd, Feb. 24, 1954. Records available: 1946-59.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	225.85	229.29	229.05	231.70	232.55	231.50	.....	.....	225.98	232.22	231.75	225.95
10	225.00	230.50	227.10	231.50	232.63	233.35	.....	233.33	229.63	230.77	230.97	227.02
15	227.52	229.40	229.85	230.40	231.35	232.20	.....	233.38	234.78	230.75	232.42	228.30
20	229.85	226.00	227.15	232.89	233.56	233.00	.....	234.00	228.10	231.02	225.55	229.42
25	228.38	225.20	226.40	232.65	232.10	233.75	.....	234.66	233.00	230.97	187.50	193.42
Eom	224.70	229.12	231.57	231.50	228.48	.....	.....	232.62	228.45	231.82	218.47	220.05
1957												
5	222.55	227.20	223.12	226.20	208.84	220.50	.....	223.61	202.00	232.00	233.25	208.25
10	223.95	222.40	224.62	225.65	221.90	217.20	.....	222.60	228.10	231.75	234.15	211.75
15	226.50	228.05	211.10	228.25	212.70	223.00	225.08	223.54	230.95	233.30	222.25	213.55
20	227.37	221.80	212.63	227.08	212.55	.....	224.17	234.32	232.95	231.60	217.80	214.95
25	227.85	187.55	187.35	228.18	199.20	.....	223.02	232.15	233.68	233.35	230.20	192.40
Eom	227.45	221.92	231.38	192.75	203.55	.....	223.77	234.80	231.05	234.69	192.10	218.50

h Tape measurement.

## Ou-77--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	227.50	228.40	232.50	215.40	213.25	231.80	196.80	234.90	234.00	.....	.....	234.25
10	214.50	227.75	217.75	.....	228.85	232.90	224.80	233.25	234.20	.....	234.85	222.10
15	225.75	217.70	232.80	208.85	228.50	233.10	229.10	235.25	236.00	.....	235.40	.....
20	.....	229.65	.....	214.35	215.45	232.80	218.74	222.10	.....	.....	.....	235.85
25	217.30	227.00	.....	239.35	229.75	233.37	218.70	233.35	.....	.....	.....	199.85
Eom	230.90	230.00	.....	212.50	221.50	233.70	234.15	220.50	.....	.....	.....	229.65
1959												
5	232.10	235.50	.....	221.90	233.40	224.40	196.00	235.40	224.20	.....	.....	227.27
10	234.70	234.70	.....	.....	.....	235.15	.....	235.00	230.47	.....	.....	236.25
15	235.15	235.20	.....	235.10	.....	233.95	.....	235.75	233.80	.....	.....	232.75
20	235.10	.....	235.30	.....	.....	235.64	.....	235.78	234.15	.....	238.65	235.87
25	235.60	.....	235.45	225.30	224.00	234.80	226.50	235.78	.....	.....	228.50	239.95
Eom	233.30	235.55	.....	234.60	221.70	235.75	232.75	235.63	.....	.....	233.00	.....

e Estimated.

Ou-87. Louisville Cooperage Co. 2500 Jackson St. Monroe. T. 17 N., R. 3 E. Drilled unused (previously reported industrial) artesian well in Sparta sand, diam 4 in, depth 510 ft, screened 470-510. Lsd 75.32 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 101.00 below lsd, Dec. 22, 1948; lowest 149.74 below lsd, Nov. 17, 1959. Records available: 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	141.90	Mar. 13, 1957	141.09	Mar. 13, 1958	145.42	Feb. 17, 1959	147.32
Mar. 7	143.77	Apr. 18	142.79	Apr. 15	143.77	Mar. 20	147.52
Apr. 18	144.60	May 2	139.57	May 21	143.09	Apr. 21	148.17
May 16	145.28	June 6	139.84	June 25	146.08	May 22	148.69
June 19	146.06	July 12	140.47	July 15	144.38	June 17	147.95
Aug. 10	147.54	Aug. 14	145.17	Aug. 19	147.68	July 21	147.13
Sept. 14	145.88	Sept. 10	142.87	Sept. 18	147.20	Aug. 18	148.75
Oct. 24	146.76	Oct. 9	146.11	Oct. 14	147.49	Sept. 16	147.57
Dec. 3	142.56	Nov. 11	146.65	Nov. 19	148.22	Oct. 20	149.10
21	143.74	Dec. 10	142.00	Dec. 16	147.76	Nov. 17	149.74
Feb. 4, 1957	142.34	Feb. 7, 1958	144.23	Jan. 21, 1959	146.97	Dec. 22	148.95

Ou-94. Angels Tourist Court. Monroe. S $\frac{1}{2}$  irreg. sec. 38, T. 18 N., R. 4 E. Drilled unused artesian well in Sparta sand, diam 4 in, depth 890 ft. Lsd 82.95 ft above msl. MP base of plug in casing, 1.30 ft above lsd. Highest water level 74.42 below lsd, Apr. 11, 1946; lowest 109.65 below lsd, June 17, 1959. Records available: 1946-59. Measurement discontinued 1959.

Jan. 5, 1956	105.88	Feb. 4, 1957	106.48	Dec. 12, 1957	107.38	Oct. 14, 1958	108.57
Mar. 7	105.16	Mar. 14	105.99	Feb. 6, 1958	106.92	Nov. 19	108.99
Apr. 18	105.50	Apr. 18	105.87	Mar. 13	107.44	Dec. 16	109.01
May 15	105.89	May 3	105.70	Apr. 15	107.65	Jan. 21, 1959	108.64
June 19	104.69	June 6	105.56	May 21	106.41	Feb. 17	108.68
Aug. 10	108.26	July 11	106.04	June 25	106.80	Mar. 20	108.96
Sept. 14	108.43	Aug. 13	107.24	July 15	107.39	Apr. 21	109.05
Oct. 23	109.24	Sept. 10	107.96	Aug. 19	108.18	May 22	109.61
Dec. 4	108.58	Oct. 9	107.86	Sept. 18	108.58	June 17	109.65
21	107.74	Nov. 11	108.03				

Ou-96. City of Monroe. Formerly U. S. Air Force Base. Selman Field. S $\frac{1}{2}$  sec. 67, T. 18 N., R. 4 E. Drilled unused (previously reported public-supply) artesian well in Sparta sand, diam 12 in, depth 364 ft, screened 280-364. Lsd 74.06 ft above msl. MP inside edge of breather hole in pumpbase, 3.00 ft above lsd. Highest water level 65.04 below lsd, Mar. 5, 1946; lowest 113.91 below lsd, Sept. 1, 1954. Records available: 1946, 1948-59.

Jan. 5, 1956	96.02	Mar. 14, 1957	96.24	Mar. 13, 1958	98.86	Feb. 17, 1959	99.02
Mar. 7	95.40	Apr. 18	96.64	Apr. 15	98.66	Mar. 20	99.50
Apr. 18	95.67	May 3	96.04	May 21	96.79	Apr. 21	99.44
May 15	96.19	June 6	97.75	June 25	97.24	May 22	99.97
June 19	97.03	July 11	96.14	July 15	97.50	June 17	99.96
Aug. 10	98.37	Aug. 13	97.44	Aug. 19	98.48	July 21	100.37
Sept. 14	99.26	Sept. 10	98.68	Sept. 18	98.72	Aug. 18	100.67
Oct. 25	99.33	Oct. 9	98.17	Oct. 14	98.81	Sept. 16	100.66
Dec. 4	98.41	Nov. 11	98.21	Nov. 19	99.21	Oct. 20	101.69
21	97.75	Dec. 12	97.46	Dec. 16	99.35	Nov. 17	101.22
Feb. 4, 1957	96.68	Feb. 6, 1958	97.27	Jan. 21, 1959	98.95	Dec. 23	102.33

Ou-100. City of Monroe. NE $\frac{1}{4}$  irreg. sec. 67, T. 18 N., R. 4 E. Drilled unused artesian well in Sparta sand, diam 3 in, depth 695 ft, screened 675-695. Lsd 79.78 ft above msl. MP top of casing, 1.90 ft above lsd. Highest water level 89.40 below lsd, June 8, 1946; lowest 128.07 below lsd, Nov. 17, 1959. Records available: 1946-59. Recorder removed Aug. 15, 1955.

## Ou-100--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	122.39	Mar. 4, 1957	122.10	Mar. 13, 1958	124.54	Feb. 17, 1959	125.85
Mar. 7	122.02	Apr. 18	121.90	Apr. 15	124.53	Mar. 17	125.97
Apr. 17	122.64	May 3	121.37	May 21	122.92	Apr. 21	126.40
May 16	123.24	June 6	120.97	June 25	123.81	May 22	127.14
June 16	123.81	July 11	122.23	July 15	124.14	June 17	126.64
Aug. 8	124.87	Aug. 14	124.39	Aug. 20	126.02	July 21	126.75
Sept. 13	125.03	Sept. 11	124.36	Sept. 18	125.89	Aug. 18	127.17
Oct. 23	125.40	Oct. 18	124.89	Oct. 14	125.93	Sept. 16	127.10
Dec. 4	124.30	Nov. 12	125.03	Nov. 19	126.42	Oct. 20	127.64
21	123.99	Dec. 10	122.98	Dec. 16	126.28	Nov. 17	128.07
Feb. 4, 1957	122.84	Feb. 6, 1958	123.55	Jan. 21, 1959	125.89	Dec. 23	127.65

Ou-151. U. S. Corps of Engineers. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 19, T. 18 N., R. 5 E. Drilled observation artesian well in sand of Pleistocene age, diam 3 in, depth 68 ft, screened 58-68. Lsd 72.42 ft above msl. MP top of recorder-shelter floor, 5.00 ft above lsd. Highest water level 6.39 below lsd, May 21, 1958; lowest 23.63 below lsd, Sept. 22, 1954. Records available: 1953-59.

Jan. 5, 1956	20.84	Mar. 14, 1957	16.64	Mar. 13, 1958	8.64	Feb. 17, 1959	14.33
Mar. 7	15.43	Apr. 18	14.70	Apr. 16	9.53	Mar. 20	13.30
Apr. 17	15.79	May 3	12.46	May 21	6.39	Apr. 21	11.97
May 15	15.23	June 6	14.57	June 25	8.86	May 22	12.60
June 19	17.30	July 11	15.67	July 15	10.24	June 17	12.11
Aug. 10	20.09	Aug. 13	18.34	Aug. 19	12.65	July 21	14.13
Sept. 14	20.42	Sept. 10	18.68	Sept. 18	14.11	Aug. 18	15.34
Oct. 23	21.28	Oct. 8	18.62	Oct. 15	13.17	Sept. 16	16.31
Dec. 4	21.79	Nov. 11	17.00	Nov. 19	14.65	Oct. 21	17.10
21	21.58	Dec. 12	10.93	Dec. 16	15.27	Nov. 17	17.44
Feb. 4, 1957	18.87	Feb. 6, 1958	9.41	Jan. 20, 1959	15.70	Dec. 23	16.78

## Pointe Coupee Parish

PC-49. U.S. Geol. Survey. SW corner irreg. sec. 32, T. 3 S., R. 7 E. Drilled observation artesian well in sand of Pleistocene age, diam 4 in, depth 137 ft (previously reported 1,623 ft), screened 132-137. Lsd about 35 ft above msl. MP top of recorder-shelter floor, 2.00 ft above lsd. Highest water level 0.60 below lsd, June 28, 1955 (previously reported 3.00 below lsd, Apr. 17, 1955); lowest 26.31 below lsd, Nov. 27, 1956. Records available: 1955-59. Recorder removed Sept. 22, 1958. Oct. 27, 1958, 18.44; Nov. 24, 20.79; Dec. 22, 19.14; Jan. 27, 1959, 17.62; Feb. 24, 9.30; Apr. 14, 9.15; Sept. 9, 21.58.

Water level at noon, from recorder graph, 1956										
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
5	24.04	.....	6.65	5.46	7.98	14.39	18.38	20.45	22.01	24.42
10	24.28	18.19	5.85	6.54	8.96	15.48	18.20	20.76	22.90	24.89
15	24.60	13.72	5.15	7.36	10.06	14.94	18.64	20.73	23.20	25.17
20	24.78	10.95	5.29	7.20	10.90	14.98	19.21	21.06	23.57	25.42
25	24.86	9.12	5.36	7.02	11.96	16.48	19.80	.....	23.88	25.76
Sum	25.06	7.98	5.35	7.22	13.32	18.25	20.28	21.01	23.98	.....

1957										
5	19.70	16.84	7.26	.....	.....	2.49	1.82	9.97	18.09	18.53
10	19.82	13.65	8.15	.....	.....	1.38	2.58	11.47	19.22	19.27
15	20.26	11.30	9.22	.....	.....	.79	.....	13.40	19.63	.....
20	21.24	9.40	10.02	.....	.....	.76	.....	14.91	20.10	.....
25	21.02	8.06	10.74	.....	4.88	1.15	.....	15.82	20.22	.....
Sum	19.61	7.63	16.63	.....	4.08	1.00	8.05	17.17	19.07	19.91

1958										
5	e6.00	8.57	12.63	7.49	5.84	.....	7.48	.....	.....	.....
10	e5.00	e8.50	12.67	6.93	4.40	.....	8.12	.....	.....	.....
15	e6.00	e8.50	11.02	6.93	3.17	.....	9.48	.....	.....	.....
20	e8.00	e9.00	9.44	7.03	2.05	.....	9.59	.....	.....	.....
25	e8.00	9.90	8.62	7.06	1.30	8.04	9.00	6.62	.....	.....
Sum	8.84	10.90	8.36	6.72	.....	7.70	7.58	.....	.....	.....

e Estimated.

## Rapides Parish

R-21. City of Alexandria. Fourth and St. James Sts. Drilled unused artesian well in Catahoula sandstone, diam 6 in, depth 590 ft (previously reported 606 ft). Lsd 75.75 ft above msl. MP top of casing, 0.20 ft below lsd. Highest water level 62.49 below lsd, Dec. 15, 1958; lowest 168.81 below lsd, Aug. 24, 1943. Records available: 1938-59. For additional measurements, see Maher (1940).

## R-21--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	66.76	Dec. 18, 1956	66.58	Oct. 28, 1957	63.18	Mar. 16, 1959	85.06
Mar. 6	64.56	Jan. 30, 1957	66.37	Nov. 29	63.18	Apr. 20	64.69
Apr. 16	64.10	Mar. 4	65.13	Dec. 30	63.50	May 21	65.86
24	64.42	Apr. 9	63.54	Jan. 30, 1958	62.92	June 15	67.18
May 14	63.83	May 6	62.79	Mar. 4	62.81	July 20	69.53
June 18	64.26	June 10	63.09	28	62.66	Sept. 14	83.57
Aug. 6	65.85	July 9	63.89	Dec. 15	62.49	Oct. 19	76.20
Sept. 10	66.63	Aug. 21	65.63	Jan. 19, 1959	63.58	Nov. 16	74.55
Oct. 16	67.97	Sept. 24	65.29	Feb. 16	64.62	Dec. 23	72.81
Nov. 19	67.56						

R-26. Missouri Pacific RR. Ashley Ave. and 13th St., Alexandria. T. 4 N., R. 1 W. Drilled unused artesian well in Catahoula sandstone, diam 10 in, depth about 1, 100 ft. Lsd 80.50 ft above msl. MP top of recorder-shelter floor, 4.90 ft above lsd. Highest water level 83.29 below lsd, Feb. 26, 1957; lowest 165.94 below lsd, Sept. 21, 1944. Records available: 1938-59.

Jan. 26, 1956	93.29	Apr. 25, 1957	85.68	Mar. 25, 1958	85.05	Feb. 27, 1959	86.83
Feb. 24	90.96	May 28	85.02	Apr. 27	86.09	Apr. 2	86.84
Apr. 30	83.80	June 26	85.30	May 26	85.61	27	85.75
May 28	84.40	July 25	88.85	June 26	87.27	May 27	86.88
Aug. 23	89.41	Aug. 27	90.50	July 25	87.30	June 26	90.15
Sept. 24	91.13	Sept. 23	90.03	Aug. 25	87.95	July 24	92.85
Oct. 26	91.34	Oct. 28	90.48	Sept. 26	87.59	Aug. 24	101.29
Nov. 23	89.78	Nov. 29	89.85	Oct. 24	91.10	Sept. 28	100.28
Dec. 26	89.00	Dec. 30	88.35	Nov. 28	84.82	Oct. 23	97.40
Jan. 29, 1957	87.43	Jan. 28, 1958	87.14	Dec. 22	88.56	Nov. 21	100.38
Feb. 26	83.29	Feb. 26	85.50	Jan. 27, 1959	86.97	Dec. 23	97.41
Mar. 28	85.49						

R-35. Louisiana Pine Products Co., Inc. S. Bogan St., Alexandria. T. 4 N., R. 1 W. Drilled unused (previously reported industrial) artesian well in Catahoula sandstone, diam 6 in, depth 1,187 ft, screened 1,147-1,187. Lsd 75.21 ft above msl (previously reported 77.51 ft above msl). MP top of casing, 2.30 ft above lsd. Highest water level 91.20 below lsd, Mar. 10, 1939; lowest 163.29 below lsd, Sept. 8, 1944. Records available: 1938-59. For additional measurements, see Maher (1940).

Jan. 3, 1956	100.26	Dec. 18, 1956	105.74	Nov. 29, 1957	108.16	Apr. 20, 1959	108.32
Mar. 6	102.34	Jan. 30, 1957	102.68	Dec. 30	109.52	May 21	107.54
Apr. 16	97.64	Mar. 4	102.23	Jan. 30, 1958	114.43	June 15	107.24
24	99.37	Apr. 9	104.19	Mar. 4	110.61	July 20	112.66
May 14	107.17	May 6	108.67	26	116.02	Aug. 21	117.27
June 18	107.19	June 10	107.50	Dec. 15	123.99	Sept. 14	114.27
Aug. 6	107.30	July 9	113.66	Jan. 19, 1959	117.35	Oct. 19	127.22
Sept. 10	105.60	Aug. 21	120.68	Feb. 16	112.92	Nov. 16	135.87
Oct. 16	102.12	Sept. 24	121.72	Mar. 16	107.43	Dec. 21	138.48
Nov. 19	103.67	Oct. 28	115.74				

R-453. City of Alexandria. Turegaeno and Overton Sts. T. 4 N., R. 1 W. Drilled unused (previously reported public-supply) artesian well in alluvium of Pleistocene (previously reported Recent) age, diam 6 in, depth 114 ft, screened 94-114. MP top of 1½-in plug in side of casing, 1.90 ft above lsd. Highest water level 1.56 above lsd, Feb. 24, 1950; lowest 17.66 below lsd, June 16, 1952. Records available: 1949-59.

Jan. 3, 1956	12.30	Dec. 17, 1956	14.06	Oct. 28, 1957	9.57	Mar. 16, 1959	4.97
Mar. 6	6.86	Jan. 30, 1957	12.22	Nov. 29	2.49	Apr. 20	6.03
Apr. 16	8.05	Mar. 4	11.42	Dec. 30	4.47	May 21	7.52
24	9.15	Apr. 9	6.16	Jan. 30, 1958	3.40	June 15	7.53
May 14	8.62	May 6	3.64	Mar. 4	6.37	July 20	10.19
June 18	11.63	June 10	2.71	28	4.77	Sept. 14	10.90
Aug. 6	13.92	July 9	3.87	Dec. 15	9.81	Oct. 19	9.18
Sept. 10	14.98	Aug. 21	10.38	Jan. 19, 1959	9.83	Nov. 16	10.79
Oct. 16	13.08	Sept. 23	12.44	Feb. 16	6.63	Dec. 22	8.38
Nov. 19	14.53						

R-601. U. S. Geol. Survey. SE¼SW¼ sec. 1, T. 1 S., R. 3 W. Drilled observation artesian well in sand of Pleistocene age, diam 4 in, depth 100 ft, screened 95-100. Lsd 172.4 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 49.82 below lsd, Apr. 22, 1959; lowest 52.08 below lsd, Oct. 26, 1959. Records available: 1954-59.

Jan. 3, 1956	51.81	June 18, 1956	51.42	Jan. 30, 1957	51.92	June 10, 1957	51.71
Mar. 12	51.59	Oct. 16	51.73	Mar. 4	51.54	July 5	51.56
Apr. 16	51.40	Nov. 19	51.77	Apr. 8	51.87	Aug. 29	51.59
May 14	51.39	Dec. 17	51.89	May 6	52.03	Sept. 26	51.43

R-601--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 2, 1957	51.54	Aug. 26, 1958	50.50	May 27, 1959	50.01	Oct. 2, 1959	50.05
Jan. 2, 1958	51.45	Sept. 23	50.41	June 29	49.94	26	52.08
Feb. 3	51.27	Apr. 6, 1959	50.11	July 30	50.01	Nov. 16	50.26
Mar. 10	50.72	22	49.82	Aug. 27	49.98	Dec. 21	50.45
Aug. 1	50.53						

Red River Parish

RR-141. Formerly RR-A-4. U.S. Geol. Survey. NE $\frac{1}{4}$  irreg. sec. 22, T. 12 N., R. 10 W. Bored observation artesian (previously reported water-table) well in alluvium of Quaternary (previously reported Recent) age, diam 1 $\frac{1}{2}$  in, depth 43 ft, screened 40-43. Lsd 129.20 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 1.38 below lsd, Sept. 23, 1958; lowest 20.76 below lsd, Jan. 2, 1957. Records available: 1954-59.

June 23, 1956	16.14	Feb. 7, 1957	19.97	Sept. 13, 1957	12.29	Sept. 23, 1958	1.38
Aug. 14	18.18	Mar. 19	19.24	Oct. 11	12.95	Dec. 31	9.69
Sept. 19	19.20	Apr. 29	12.66	Nov. 14	5.97	Mar. 19, 1959	8.88
Oct. 16	19.85	June 11	4.68	Dec. 13	5.40	June 19	6.29
Dec. 10	20.55	July 15	6.50	Mar. 19, 1958	6.33	Sept. 18	12.16
Jan. 2, 1957	20.76	Aug. 15	10.78	June 20	6.16	Dec. 24	10.80

St. Charles Parish

SC-9. Shell Oil Co. N $\frac{1}{2}$ N $\frac{1}{2}$  sec. 6, T. 12 S., R. 8 E. Drilled unused artesian well in sand ("700-ft" sand of New Orleans area) of Pleistocene age, diam 24 to 12 in, depth 777 ft. Lsd 4.79 ft above msl. MP top of steel cover plate, at lsd. Highest water level 12.40 below lsd, Jan. 19, 1950; lowest 39.98 below lsd, Sept. 14, 1953 (previously reported Dec. 5, 1953). Records available: 1950-59.

## Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	38.49	.....	33.76	37.94	38.05	37.70	37.74	37.78	32.46	34.38	34.40
10	37.64	38.18	38.21	37.34	38.12	38.08	37.61	37.80	37.78	34.92	34.32	35.27
15	38.81	38.07	38.22	37.72	38.06	37.49	37.66	37.74	37.66	36.12	36.67	36.80
20	38.74	38.06	35.76	37.92	38.02	37.58	38.02	37.65	37.48	36.26	34.52	34.44
25	38.76	38.40	34.37	37.88	38.17	37.88	37.81	37.53	.....	36.98	34.35	34.07
Eom	38.64	38.22	33.90	37.85	37.87	37.86	37.85	37.65	31.60	36.11	34.40	34.10

1957

5	35.94	36.62	.....	32.92	35.17	35.72	36.09	36.28	35.54	33.36	.....	36.04
10	36.71	.....	.....	32.73	35.70	35.76	36.19	36.23	34.78	33.11	.....	.....
15	34.63	.....	36.13	32.49	35.84	35.80	36.28	34.51	35.98	33.82	36.07	.....
20	.....	33.67	32.92	32.77	35.92	35.85	35.69	36.20	35.74	35.96	34.24	34.90
25	34.14	.....	33.18	34.86	36.13	35.83	35.29	36.24	34.08	35.93	.....	.....
Eom	36.63	33.51	33.32	.....	35.91	35.88	35.49	33.95	34.20	35.91	35.88	h31.25

1958

5	.....	26.92	29.88	.....	31.34	27.20	.....	30.26	32.87	32.06	29.10	28.45
10	h31.25	26.11	28.28	31.30	31.60	31.04	32.20	29.10	32.61	32.64	e29.10	28.63
15	34.37	29.28	29.34	29.82	28.64	31.70	32.74	31.62	32.72	31.32	29.24	28.94
20	.....	27.12	30.11	31.81	25.61	29.54	32.89	31.01	e32.30	31.16	28.27	.....
25	32.38	25.72	30.74	.....	.....	.....	32.94	31.12	31.90	30.49	28.79	29.09
Eom	31.98	25.45	31.12	29.94	29.09	30.82	30.45	31.64	27.68	29.17	25.82	28.50

1959

5	29.10	23.98	21.92	22.25	21.37	23.47	26.70	24.17	24.72	27.65	24.18	24.52
10	30.80	.....	22.11	22.41	22.81	22.80	26.36	24.44	27.91	29.17	27.23	25.47
15	34.47	.....	22.28	22.14	22.48	23.42	25.18	24.52	28.48	28.86	.....	26.33
20	.....	22.68	22.24	21.87	22.17	25.52	24.67	24.23	29.07	27.70	25.07	.....
25	.....	22.15	22.16	22.03	22.30	25.45	24.20	24.12	27.83	28.25	24.46	26.55
Eom	17.80	22.10	21.98	25.85	23.53	25.68	25.59	24.62	27.72	27.88	23.56	26.68

e Estimated.

h Tape measurement.

SC-14. Shell Oil Co. N $\frac{1}{2}$ N $\frac{1}{2}$  sec. 6, T. 12 S., R. 8 E. Drilled unused artesian well in sand ("400-ft" sand of New Orleans area) of Pleistocene age, diam 18 to 10 in, depth 404 ft, cased 18-in 0-404, screened 324-384. Lsd 5.51 ft above msl. MP top inside edge of casing, at lsd. Highest water level 45 below lsd, November 1942; lowest 90.74 below lsd, Sept. 17, 1957. Records available: 1942, 1956-59. Recorder installed June 7, 1956.

SC-14--Continued.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	84.04	84.13	85.82	79.13	87.57	88.87
10	.....	.....	.....	.....	.....	79.29	83.97	85.77	84.80	.....	87.85	88.92
15	.....	.....	.....	.....	.....	.....	83.28	84.15	84.65	.....	87.96	88.32
20	.....	.....	.....	.....	.....	81.52	85.60	85.00	84.12	86.09	88.04	88.63
25	.....	.....	.....	.....	.....	84.88	84.21	84.86	.....	86.34	88.11	88.61
Eom	.....	.....	.....	.....	.....	83.42	84.63	84.08	79.91	86.56	.....	88.87
1957												
5	88.80	90.00	85.75	78.35	83.91	86.86	87.00	87.91	89.18	88.00	89.60	82.32
10	89.01	88.07	86.29	80.32	83.34	86.57	86.98	88.06	89.00	88.60	88.70	86.08
15	89.30	88.64	85.79	83.22	82.12	87.16	86.61	87.93	90.50	.....	87.86	86.41
20	86.86	86.93	83.97	83.83	86.38	87.44	87.54	89.12	89.10	90.24	85.20	83.64
25	89.09	87.72	.....	84.45	88.31	85.58	87.80	88.20	88.85	89.86	85.52	85.57
Eom	88.87	85.96	77.20	84.25	87.08	86.74	86.26	89.24	88.64	88.92	85.91	85.02
1958												
5	82.80	83.97	80.78	.....	70.88	84.98	.....	82.60	83.11	85.00	88.43	71.32
10	.....	84.01	84.52	78.25	73.68	79.99	83.96	86.15	85.28	84.28	87.44	73.11
15	84.36	83.76	83.01	78.47	76.42	81.15	82.47	87.09	85.05	85.25	79.05	73.03
20	83.23	83.90	79.66	81.98	77.72	79.56	82.40	84.32	83.93	85.37	82.86	.....
25	83.74	80.64	79.00	.....	.....	78.60	81.42	83.38	86.76	87.60	77.15	76.86
Eom	80.39	81.28	68.88	75.97	83.31	83.12	82.35	83.08	85.89	87.21	72.81	81.28
1959												
5	74.62	78.58	77.48	77.62	80.97	.....	85.98	87.00	84.88	80.00	.....	86.09
10	81.42	79.84	79.95	76.54	83.22	83.11	84.58	86.77	83.35	77.79	80.31	84.22
15	81.66	82.27	81.12	76.60	82.77	81.77	86.43	87.76	81.90	81.30	.....	85.85
20	81.52	79.57	78.38	.....	83.61	83.27	87.36	87.16	82.04	.....	83.07	84.03
25	.....	78.32	79.22	80.62	.....	85.33	87.33	84.72	83.07	.....	84.30	84.75
Eom	79.48	77.18	77.86	84.06	.....	83.78	87.80	84.80	82.93	81.00	85.70	83.44

e Estimated.

h Tape measurement.

St. Helena Parish

SH-7. Water System Corp. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 51, T. 4 S., R. 6 E. Drilled public-supply artesian well in sand of Miocene (?) age, diam 4 to 2 $\frac{1}{2}$  in, depth 2,082 ft, screened 2,052-2,082. Lsd about 130 ft above msl. MP centerline of southeast discharge line, 1.45 ft above lsd. Highest water level 39.1 above lsd, Mar. 18, 1955; lowest 23.4 above lsd, July 25, 1956. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1955	+34.0	Sept. 27, 1956	+31.4	Oct. 14, 1958	+26.2	July 14, 1959	+23.95
Mar. 18	39.1	Nov. 1	28.2	Nov. 12	26.4	Aug. 11	24.45
Feb. 14, 1956	31.4	Jan. 25, 1957	30.6	Jan. 13, 1959	25.6	Sept. 15	24.25
June 11	23.6	Apr. 11	30.3	Feb. 10	25.5	Oct. 15	25.05
July 25	23.4	June 5	31.4	Mar. 9	25.6	Nov. 10	24.25
Aug. 29	31.2	Sept. 11, 1958	27.3	June 2	25.05	Dec. 16	24.00

St. John the Baptist Parish

SJB-17. John Esparros. E $\frac{1}{2}$  sec. 54, T. 11 S., R. 7 W. 2 $\frac{1}{2}$  miles southeast of LaPlace. Drilled unused artesian well in sand of Pleistocene age, diam 4 in, depth 301 ft. Lsd about 7 ft above msl. MP top of casing collar, 0.90 ft above lsd. Highest water level 36.08 below lsd, Apr. 14, 1959; lowest 41.59 below lsd, Jan. 23, 1957. Records available: 1956-59. Nov. 19, 1956, 40.33; Jan. 23, 1957, 41.59; Feb. 13, 41.13; June 5, 38.69; June 25, 38.99; Sept. 25, 41.09.

Water level at noon, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	39.01	39.10	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	39.01	38.86	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	39.01	39.01	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	h39.29	39.15	38.69	.....	.....	.....	.....	.....	.....	.....	.....	39.33
25	39.24	39.15	38.16	.....	.....	.....	.....	.....	.....	.....	.....	39.47
Eom	39.05	39.01	37.92	h37.83	.....	.....	.....	.....	.....	.....	.....	39.16

h Tape measurement.

SJB-17--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.25	38.09	36.84	.....	36.20	36.54	.....	39.20	.....	38.83	38.35	39.02
10	39.32	38.02	36.81	.....	36.55	.....	38.13	39.30	.....	38.12	38.27	39.23
15	39.28	37.95	36.96	.....	36.69	.....	38.16	39.38	.....	.....	38.17	39.14
20	39.31	38.10	37.00	.....	36.80	.....	38.50	39.45	38.86	.....	38.42	39.27
25	39.01	37.34	36.86	.....	36.99	.....	38.78	39.46	38.76	38.11	38.48	39.05
Eom	38.57	37.25	.....	.....	36.20	.....	38.99	39.35	38.93	38.37	38.92	38.96

## St. Landry Parish

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 Chicot aquifer of Pleistocene age, diam 24 to 12 in, depth 279 ft, screened 218-279. Lsd 51.24 ft above msl. MP lower edge of discharge pipe. Highest water level 43.09 below lsd, Apr. 20, 1944; lowest 105.49 below lsd, July 14, 1953. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1956	74.09	Jan. 28, 1957	76.44	Apr. 28, 1958	69.94	Mar. 23, 1959	69.87
Mar. 1	72.19	Apr. 3	72.69	May 28	79.66	Apr. 13	68.88
May 2	70.08	May 24	71.83	June 24	88.92	.....	68.77
29	89.97	June 1	85.55	July 29	87.76	May 25	80.78
June 26	94.54	25	90.34	Aug. 26	85.73	June 22	78.80
July 27	100.31	July 30	89.76	Sept. 3	84.60	July 29	88.17
Aug. 27	93.74	Sept. 23	85.94	.....	81.28	Aug. 26	84.45
Sept. 5	90.07	Nov. 21	79.14	Oct. 27	78.30	Sept. 8	82.74
25	86.49	Dec. 23	76.86	Nov. 24	76.33	Oct. 1	80.18
Oct. 26	84.27	Jan. 28, 1958	74.36	Dec. 22	74.61	.....	77.28
Nov. 27	81.05	Feb. 25	72.86	Jan. 28, 1959	72.40	Dec. 31	72.70
Dec. 26	78.80	Mar. 25	71.30	Feb. 25	70.64	.....	.....

SL-82. M. Miller and L. Richard. Formerly Jimmy M. Miller. Irreg. sec. 58, T. 5 S., R. 4 E. Drilled irrigation artesian well in Chicot aquifer of Pleistocene age, diam 22 to 10 in, depth 282 ft, screened 232-282. Lsd 74.93 ft above msl. MP tap hole in top of discharge pipe, 1.70 ft above lsd. Highest water level 65.04 below lsd, Apr. 29, 1949; lowest 74.23 below lsd, Sept. 24, 1957. Records available: 1949-59.

Apr. 3, 1956	72.25	Apr. 22, 1957	73.41	Sept. 3, 1958	74.06	Apr. 17, 1959	73.17
Sept. 4	73.59	Sept. 24	74.23	Mar. 23, 1959	73.39	Sept. 10	73.90
Apr. 1, 1957	73.33	Apr. 28, 1958	73.22	.....	.....	.....	.....

SL-127. Pan-American Production Co. Sec. 4, T. 6 S., R. 5 E. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 4 in, depth 160 ft. Lsd 18.34 ft above msl. MP top of 1-in air line, 3.02 ft above lsd. Highest water level 1.86 below lsd, Apr. 28, 1952; lowest 10.12 below lsd, Sept. 4, 1956. Records available: 1950-59.

Apr. 2, 1956	4.47	Apr. 22, 1957	4.70	Apr. 28, 1958	4.84	Apr. 22, 1959	4.18
Sept. 4	10.12	Sept. 24	7.63	Sept. 3	5.85	Sept. 9	7.14
Apr. 1, 1957	5.28	.....	.....	.....	.....	.....	.....

SL-171. U.S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 23, T. 3 S., R. 6 E. Drilled observation artesian well in Atchafalaya aquifer of Pleistocene (previously reported Recent) age, diam 4 in, depth 87 ft, screened 82-87. Lsd 30.80 ft above msl. MP top of 4-in coupling, 1.60 ft above lsd. Highest water level 1.64 below lsd, Mar. 15, 1956; lowest 19.86 below lsd, Nov. 26, 1956. Records available: 1955-59. Recorder removed Aug. 30, 1956.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.79	.....	2.75	2.51	4.26	10.12	12.61	15.38	.....	.....	.....	.....
10	15.23	6.06	2.76	2.73	5.10	11.25	13.03	15.72	.....	.....	.....	.....
15	15.63	4.02	1.64	3.01	6.14	10.57	13.71	15.83	.....	.....	.....	.....
20	15.48	3.44	1.97	3.60	7.05	8.70	14.39	.....	.....	.....	.....	.....
25	14.22	3.30	2.03	3.76	8.24	10.14	14.72	.....	.....	.....	.....	.....
Eom	.....	3.34	2.37	4.20	9.24	11.75	15.25	16.15	.....	.....	.....	.....

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 30, 1956	16.15	Jan. 22, 1957	14.42	June 24, 1957	4.01	Dec. 23, 1957	2.12
Sept. 24	18.17	Mar. 25	4.25	July 26	4.66	Jan. 28, 1958	2.69
Nov. 2	19.70	Apr. 1	4.75	Sept. 24	13.79	Feb. 21	2.90
26	19.86	22	2.33	Oct. 30	9.29	Mar. 24	2.50
Dec. 28	12.00	May 24	4.60	Nov. 21	4.74	Apr. 28	2.82

## SL-171--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 29, 1958	1.97	Oct. 27, 1958	10.42	Apr. 14, 1959	2.70	Aug. 25, 1959	12.35
June 23	4.64	Nov. 24	12.30	22	2.14	Sept. 9	13.34
July 28	6.61	Dec. 22	12.04	May 21	5.67	Oct. 2	15.40
Aug. 25	4.75	Jan. 27, 1959	8.59	June 22	5.57	27	11.62
Sept. 3	7.24	Feb. 24	2.47	July 27	11.20	Dec. 30	4.87
22	7.38	Mar. 23	2.60				

## St. Martin Parish

SMn-68. A. R. Fuselier. Irreg. sec. 7, T. 11 S., R. 7 E. Drilled irrigation artesian well in Chicot aquifer of Pleistocene age, diam 10 in, depth 200 ft, screened 170-200. Lsd 15.37 ft above msl. MP lower edge of discharge pipe. Highest water level 2.51 below lsd, Aug. 6, 1946; lowest 10.54 below lsd, Sept. 16, 1954. Records available: 1944-59.

Apr. 3, 1956	7.11	Apr. 23, 1957	7.08	Apr. 28, 1958	5.79	Apr. 14, 1959	(a)
Sept. 5	10.45	Sept. 25	8.32	Sept. 4	6.29	Sept. 9	7.51
Apr. 2, 1957	7.57						

a Well being pumped.

## St. Tammany Parish

ST-2. Warren A. Rose. Formerly Mayer Israel. Covington. NE $\frac{1}{4}$  sec. 7, T. 6 S., R. 11 E. Drilled domestic artesian well in sand of Pleistocene age, diam 3 in, depth 1,620 ft, screened 1,463-1,503. MP center of 4 $\frac{1}{2}$ -in gage inserted in fitting at top of well, 1.00 ft above lsd. Highest water level 91.3 above lsd, Sept. 5, 1941; lowest 65.78 above lsd, July 15, Sept. 16, Oct. 14, 1959. Records available: 1939-59.

Apr. 16, 1956	+77.2	July 30, 1957	+69.2	July 9, 1958	+69.0	May 13, 1959	+70.17
June 7	77.2	Oct. 4	68.9	Aug. 5	68.5	June 3	66.47
July 25	76.7	Nov. 20	69.4	Sept. 9	69.0	July 15	65.78
Aug. 28	75.1	Jan. 22, 1958	69.4	Oct. 18	67.6	Aug. 12	68.09
Sept. 26	75.1	Mar. 6	69.4	Nov. 13	69.4	Sept. 16	65.78
Oct. 30	75.0	Apr. 8	69.8	Jan. 15, 1959	70.4	Oct. 14	65.78
Jan. 24, 1957	71.2	May 14	69.9	Feb. 11	69.7	Nov. 11	67.40
Apr. 12	75.2	June 11	69.5	Mar. 10	70.6	Dec. 17	66.5
June 4	67.8						

ST-10. Louisiana State Fish Hatchery. LaCombe. NE $\frac{1}{2}$  irreg. sec. 40 (previously reported sec. 38), T. 8 S., R. 12 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 6 in, depth 1,240 ft, screened 1,140-1,240. Lsd about 5 ft above msl. MP top of concrete water break in center of outfall basin, at lsd. Highest water level 38.6 above lsd, Sept. 12, 1939; lowest 23.3 above lsd, Oct. 30, 1956. Records available: 1939-59.

Jan. 10, 1956	+26.5	Apr. 10, 1957	+23.7	June 11, 1958	+24.8	May 13, 1959	+24.4
Mar. 7	26.7	June 4	23.7	Aug. 6	23.4	June 3	24.8
Apr. 17	25.0	July 30	25.5	Sept. 10	24.0	July 16	25.0
June 7	25.1	Oct. 4	25.5	Oct. 16	24.2	Aug. 13	24.6
July 24	25.7	Nov. 20	25.4	Nov. 14	25.6	Sept. 16	23.7
Aug. 28	26.5	Jan. 22, 1958	26.6	Jan. 15, 1959	24.4	Oct. 15	24.2
Sept. 25	28.9	Mar. 5	25.0	Feb. 10	24.6	Nov. 11	24.5
Oct. 30	23.3	Apr. 8	26.6	Mar. 10	25.4	Dec. 18	23.8
Jan. 23, 1957	24.6	May 15	26.1				

ST-12. Southeastern Louisiana State Hospital. Formerly Techeunte State Park. NE $\frac{1}{2}$  irreg. sec. 37 (previously reported sec. 43), T. 8 S., R. 12 E. Drilled unsted artesian well in sand of Pleistocene age, diam 6 to 4 in, depth 1,530 ft. Lsd about 10 ft above msl. MP center of 1 $\frac{1}{4}$ -in discharge pipe, 1.50 ft above lsd. Highest water level 54.7 above lsd, July 25, 1940; lowest 31.7 above lsd, Nov. 24, 1951. Records available: 1939-59.

Jan. 10, 1956	+36.8	Apr. 9, 1957	+36.8	June 11, 1958	+39.1	May 13, 1959	+36.7
Mar. 7	35.7	June 4	38.5	July 9	38.3	June 3	36.9
Apr. 17	33.3	July 30	38.0	Aug. 6	38.5	July 16	37.2
June 7	37.0	Oct. 4	38.3	Sept. 10	37.6	Aug. 13	36.15
July 24	38.1	Nov. 20	37.6	Oct. 16	37.9	Sept. 16	36.3
Aug. 28	37.6	Jan. 22, 1958	38.3	Nov. 14	37.1	Oct. 14	36.3
Sept. 26	40.8	Mar. 5	36.0	Jan. 15, 1959	36.7	Nov. 11	36.5
Oct. 30	37.2	Apr. 8	38.2	Feb. 11	37.0	Dec. 18	36.7
Jan. 23, 1957	36.4	May 15	38.5	Mar. 12	37.1		



ST-16. Bogalusa Tung Oil Processing Co., Inc. NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 29, T. 5 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diam 4 in, depth about 1,000 ft. MP center of discharge pipe, 4.00 ft above lsd. Highest water level 38.1 above lsd, July 11, 1946; lowest 20.4 above lsd, Oct. 15, 1958. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+34.4	Jan. 24, 1957	+21.6	June 11, 1958	+22.2	May 13, 1959	+22.9
Feb. 15	24.1	Apr. 11	28.2	Aug. 5	21.8	June 3	22.1
Apr. 19	27.2	June 4	23.0	Sept. 9	21.9	July 15	22.2
June 8	30.3	July 30	27.2	Oct. 15	20.4	Aug. 12	21.7
July 25	32.3	Oct. 3	22.6	Nov. 13	21.8	Sept. 16	28.7
Aug. 28	24.3	Jan. 22, 1958	27.5	Jan. 4, 1959	21.5	Oct. 14	29.3
Sept. 26	34.0	Apr. 8	22.2	Feb. 11	21.7	Nov. 11	30.4
Oct. 30	27.6	May 14	21.9	Mar. 10	26.6	Dec. 17	22.5

ST-51. Leon Gilbert. NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 44 (previously reported sec. 42), T. 7 S., R. 11 E. Drilled domestic artesian well in sand of Pleistocene age, diam 4 to 2 $\frac{1}{2}$  in, depth 1,535 ft (previously reported 940 ft), screened 1,475-1,535. Lsd about 12 ft above msl. MP top of 4-in discharge pipe, 6.00 ft above lsd. Highest water level 96.6 above lsd, July 6, 1951; lowest 56.5 above lsd, Oct. 30, 1956. Records available: 1942, 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	+67.4	Apr. 12, 1957	+69.5	June 11, 1958	+66.6	May 13, 1959	+68.5
Feb. 15	68.5	June 4	68.3	July 9	65.3	June 3	65.05
Apr. 17	60.9	July 30	71.6	Aug. 5	67.1	July 15	62.29
June 7	68.7	Oct. 4	71.8	Sept. 9	67.1	Aug. 12	66.67
July 25	70.6	Nov. 20	72.8	Oct. 15	62.6	Sept. 16	65.51
Aug. 28	66.9	Jan. 22, 1958	74.8	Nov. 13	69.5	Oct. 14	64.59
Sept. 26	65.1	Mar. 6	72.4	Jan. 15, 1959	64.6	Nov. 11	67.13
Oct. 30	56.5	Apr. 8	63.0	Feb. 11	70.8	Dec. 17	62.5
Jan. 24, 1957	59.6	May 14	68.2	Mar. 10	68.1		

ST-117. Louisiana State Dept. of Highways. SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 37, T. 8 S., R. 14 E. Drilled unused artesian well in sand of Pleistocene age, diam 2 in, depth about 900 ft. Lsd about 15 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 26.9 above lsd, Sept. 9, 1942 (previously reported 24.4 above lsd, Apr. 4, 1947); lowest 9.2 above lsd, Aug. 28, 1956. Records available: 1942, 1947-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	+12.9	Apr. 10, 1957	+14.8	June 11, 1958	+13.4	May 13, 1959	+13.45
Mar. 7	14.5	June 4	14.4	July 9	12.8	June 3	13.45
Apr. 17	14.6	July 30	14.4	Aug. 6	13.8	July 16	13.35
June 7	14.4	Oct. 4	14.4	Sept. 10	12.75	Aug. 12	13.15
July 24	12.7	Nov. 21	14.2	Oct. 16	12.75	Sept. 16	12.95
Aug. 28	9.2	Jan. 22, 1958	13.4	Nov. 14	14.15	Oct. 14	13.25
Sept. 25	14.2	Mar. 5	15.0	Jan. 15, 1959	13.3	Nov. 11	13.00
Oct. 30	12.1	Apr. 8	14.4	Feb. 11	13.1	Dec. 18	10.5
Jan. 23, 1957	14.1	May 14	13.8	Mar. 10	14.4		

ST-428. Formerly 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, diam 4 in, depth 265 ft. Lsd about 25 ft above msl. MP top of casing, 0.72 ft above lsd. Highest water level 19.8 above lsd, Apr. 6, 1944; lowest 5.75 above lsd, Sept. 26, 1956. Records available: 1942, 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	+8.20	Apr. 10, 1957	+10.8	June 11, 1958	+9.32	Mar. 10, 1959	+9.4
Feb. 15	7.90	June 4	9.57	July 9	9.42	May 13	9.4
Apr. 18	8.40	Oct. 4	9.42	Aug. 5	9.32	June 3	9.4
June 8	7.10	Nov. 20	10.2	Sept. 10	8.02	July 16	8.9
July 24	7.70	Jan. 22, 1958	9.42	Oct. 15	8.22	Aug. 12	8.9
Aug. 28	6.80	Mar. 5	10.2	Nov. 13	9.72	Sept. 16	8.4
Sept. 26	5.75	Apr. 8	9.62	Jan. 14, 1959	8.9	Nov. 11	9.3
Oct. 29	5.82	May 14	9.72	Feb. 11	10.1	Dec. 18	9.2
Jan. 23, 1957	8.72						

ST-449. Formerly 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, diam 2 $\frac{1}{2}$  in, depth 615 ft (previously reported 648 ft), screened 585-615. Lsd about 35 ft above msl. MP center of horizontal discharge pipe, 2.10 ft above lsd. Highest water level 10.9 above lsd, June 20, 1950; lowest 3.30 above lsd, Oct. 30, 1956. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+8.20	Apr. 11, 1957	+7.57	June 11, 1958	+7.75	May 13, 1959	+7.81
Feb. 15	8.80	June 4	7.53	July 9	7.67	June 3	7.90
Apr. 18	8.70	July 30	7.35	Aug. 5	8.40	July 16	7.10
June 8	8.30	Oct. 3	7.52	Sept. 9	7.65	Aug. 12	7.65
July 24	8.60	Nov. 20	7.48	Oct. 15	7.60	Sept. 16	7.70
Aug. 28	7.90	Jan. 23, 1958	7.60	Nov. 13	7.36	Oct. 14	7.72
Sept. 26	7.95	Mar. 6	7.86	Jan. 14, 1959	7.35	Nov. 11	7.70
Oct. 30	3.30	Apr. 8	7.71	Feb. 10	7.77	Dec. 17	7.65
Jan. 24, 1957	7.35	May 14	8.20	Mar. 10	8.05		

ST-545. Formerly ST-1168. A. T. Flot. NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 6 S., R. 12 E. Drilled public-supply (previously reported domestic and public-supply) artesian well in sand of Pleistocene age, diam 2 $\frac{1}{2}$  in, depth 1,598 ft, screened 1,548-1,598. Lsd about 35 ft above msl. MP centerline of valve in discharge line, 2.00 ft below lsd. Highest water level 97.0 above lsd, Mar. 11, 1953; lowest 77.0 above lsd, July 16, 1959. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+84.4	Apr. 11, 1957	+83.5	June 11, 1958	+80.8	May 13, 1959	+83.0
Feb. 15	86.2	June 4	82.6	July 9	80.3	June 3	78.85
Apr. 18	83.9	July 30	82.1	Aug. 5	80.6	July 16	77.00
June 8	86.0	Oct. 3	82.4	Sept. 9	84.6	Aug. 12	78.85
July 24	86.5	Nov. 20	82.6	Oct. 15	80.0	Sept. 16	77.46
Aug. 28	85.0	Jan. 23, 1958	83.0	Nov. 13	80.5	Oct. 14	77.23
Sept. 26	85.6	Mar. 6	83.0	Jan. 14, 1959	81.39	Nov. 11	77.7
Oct. 30	81.4	Apr. 8	81.7	Feb. 11	81.85	Dec. 17	77.2
Jan. 24, 1957	83.0	May 14	82.4	Mar. 10	83.65		

ST-553. Town of Slidell. SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 10, T. 9 S., R. 14 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 12 to 8 in, depth 2,373 ft, screened 2,273-2,373. Lsd about 10 ft above msl. MP center of 4 $\frac{1}{2}$ -in gage in fitting on top of discharge line, 3.00 ft above lsd. Highest water level 123.12 above lsd, Oct. 4, 1955; lowest 111.8 above lsd, Nov. 12, Dec. 18, 1959. Records available: 1955-59.

Oct. 4, 1955	+123.12	Jan. 23, 1957	+118.5	May 15, 1958	+117.3	Mar. 12, 1959	+116.4
Nov. 7	122.26	Apr. 10	118.0	June 12	117.1	May 14	116.18
Dec. 14	120.16	June 4	116.2	July 10	117.1	June 4	113.39
Jan. 10, 1956	120.4	July 30	114.4	Aug. 6	117.1	July 16	112.83
Apr. 17	120.8	Oct. 4	117.1	Sept. 10	116.8	Aug. 13	115.7
June 7	119.7	Nov. 21	116.4	Oct. 16	115.0	Sept. 17	112.83
July 24	119.9	Jan. 23, 1958	116.2	Nov. 14	116.9	Oct. 15	113.16
Aug. 28	118.5	Mar. 6	117.1	Jan. 15, 1959	115.7	Nov. 12	111.8
Oct. 30	117.8	Apr. 9	116.4	Feb. 12	115.7	Dec. 18	111.8

ST-562. Town of Madisonville. 7,000 ft east and 900 ft north of SW corner, sec. 39, T. 7 S., R. 10 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 4 in, depth 1,901 ft, screened 1,840-1,900. Lsd about 4 ft above msl. MP centerline of 4 $\frac{1}{2}$ -in gage in 1 $\frac{1}{2}$ -in fitting tapped into valve on discharge line, 4.20 ft above lsd. Highest water level 119.0 above lsd, Nov. 21, 1957; lowest 111.6 above lsd, Jan. 15, 1959. Records available: 1957-59.

July 30, 1957	+118.0	May 15, 1958	+115.8	Nov. 14, 1958	+113.7	July 16, 1959	+114.38
Oct. 4	117.3	June 12	118.1	Jan. 15, 1959	111.6	Aug. 13	116.24
Nov. 21	119.0	July 9	118.3	Feb. 12	114.2	Sept. 17	113.23
Jan. 23, 1958	114.4	Aug. 6	113.9	Mar. 12	118.1	Oct. 15	112.31
Mar. 6	114.6	Sept. 10	118.4	May 14	117.39	Nov. 12	114.61
Apr. 9	118.1	Oct. 16	118.5	June 4	113.0	Dec. 18	114.6

### Tangipahoa Parish

Ta-7. Town of Ponchatoula. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 18, T. 7 S., R. 8 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 6 in, depth 654 ft. Lsd about 22 ft above msl. MP top of "tee" on top of well casing, 0.73 ft above lsd. Highest water level 10.8 above lsd, Feb. 3, 1942; lowest 3.7 above lsd, July 15, 1955 (previously reported 4.7 above lsd, Sept. 11, 1950). Records available: 1939-59.

Jan. 12, 1956	+8.10	Apr. 12, 1957	+8.53	June 12, 1958	+8.08	May 14, 1959	+6.33
Feb. 28	9.20	June 5	7.20	July 10	6.91	June 4	6.86
Apr. 19	8.70	July 30	7.29	Aug. 6	8.01	July 17	6.93
June 11	6.40	Oct. 2	7.97	Sept. 10	7.93	Aug. 11	7.43
July 27	7.40	Nov. 21	8.38	Oct. 16	8.76	Sept. 17	8.11
Aug. 29	7.00	Jan. 23, 1958	8.60	Nov. 14	7.85	Oct. 15	8.04
Sept. 27	9.40	Mar. 6	10.20	Jan. 15, 1959	8.03	Nov. 12	8.20
Oct. 31	7.93	Apr. 9	8.55	Feb. 12	8.45	Dec. 18	8.60
Jan. 25, 1957	8.03	May 14	9.23	Mar. 12	8.58		

Ta-19. Victor Stevens. SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 26, T. 7 S., R. 8 E. Drilled domestic and irrigation artesian well in sand of Pleistocene age, diam 2 in, depth 535 ft, screened 515-535. Lsd about 5 ft above msl. MP top of concrete sidewalk, at lsd. Highest water level 19.6 above lsd, Apr. 12, 1957; lowest 13.4 above lsd, Sept. 2, 1947. Records available: 1939-59.

Jan. 12, 1956	+17.8	June 5, 1957	+17.6	July 10, 1958	+18.1	May 14, 1959	+16.4
Feb. 28	18.4	July 30	17.4	Aug. 6	15.1	June 4	18.0
June 11	16.5	Oct. 4	18.4	Sept. 10	15.7	July 16	17.4
July 27	17.3	Nov. 21	18.6	Oct. 16	15.5	Aug. 13	18.0
Aug. 29	17.2	Jan. 23, 1958	19.3	Nov. 14	17.2	Sept. 17	18.3
Sept. 27	18.9	Mar. 6	19.4	Jan. 15, 1959	18.4	Oct. 15	18.4
Oct. 31	14.8	Apr. 9	18.6	Feb. 12	18.4	Nov. 12	18.6
Jan. 25, 1957	15.7	May 15	18.9	Mar. 12	18.3	Dec. 18	18.0
Apr. 12	19.6	June 12	16.9				

Ta-24. Clyde Starkey. Center of sec. 53, T. 7 S., R. 7 E. Drilled domestic and irrigation artesian well in sand of Pleistocene age, diam 2 in, depth 383 ft, screened 363-383. Lsd about 22 ft above msl. MP top of concrete pumpbase, at lsd. Highest water level 7.3 above lsd, Feb. 3, 1942 (previously reported 6.6 above lsd, Apr. 7, 1944); lowest 1.20 above lsd, July 15, 1955. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+2.80	Apr. 12, 1957	+4.38	June 12, 1958	+4.15	May 14, 1959	+3.55
Feb. 28	4.82	June 5	3.24	July 10	3.80	June 4	4.16
Apr. 19	3.80	July 31	3.44	Aug. 6	3.94	July 17	3.75
June 11	3.79	Oct. 2	3.91	Sept. 10	4.15	Aug. 11	4.28
July 27	4.25	Nov. 21	4.13	Oct. 16	3.94	Sept. 17	4.47
Aug. 29	3.30	Jan. 23, 1958	4.58	Nov. 14	3.97	Oct. 15	4.74
Sept. 27	3.79	Mar. 5	4.68	Jan. 15, 1959	3.87	Nov. 12	4.47
Oct. 31	3.50	Apr. 9	4.72	Feb. 12	4.50	Dec. 18	4.48
Feb. 12, 1957	4.03	May 15	4.52	Mar. 11	4.80		

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, diam 2 in, depth 405 ft. Lsd about 20 ft above msl. MP top of 2-in "tee" on casing, 1.00 ft above lsd. Highest water level 14.9 above lsd, Apr. 3, 1947; lowest 8.5 above lsd, June 8, 1954. Records available: 1945-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+12.2	June 5, 1957	+12.0	July 10, 1958	+11.7	May 14, 1959	+11.1
Feb. 28	13.2	July 30	12.2	Aug. 6	11.3	June 4	12.3
June 11	10.8	Oct. 4	12.8	Sept. 10	11.5	July 16	12.0
July 25	11.8	Nov. 21	13.2	Oct. 16	10.1	Aug. 13	12.3
Aug. 29	11.8	Jan. 23, 1958	13.5	Nov. 14	12.7	Sept. 17	12.4
Sept. 27	12.7	Mar. 6	14.4	Jan. 15, 1959	12.6	Oct. 15	12.5
Oct. 31	9.54	Apr. 9	12.5	Feb. 12	13.2	Nov. 12	12.8
Jan. 25, 1957	12.2	May 15	13.6	Mar. 12	13.0	Dec. 18	13.5
Apr. 12	14.0	June 12	11.6				

Ta-252. Town of Independence. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 10, T. 5 S., R. 7 E. (previously reported SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, T. 4 S.). Drilled public-supply artesian well in sand of Miocene (?) (previously reported Pleistocene) age, diam 4 in, depth 2,170 ft, screened 2,107-2,170. MP top of 4-in "tee", 3.60 ft above lsd. Highest water level 87.4 above lsd, July 6, 1951; lowest 56.0 above lsd, Oct. 15, 1959. Records available: 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+69.9	Apr. 11, 1957	+69.2	June 10, 1958	+65.5	May 12, 1959	+62.04
Feb. 29	69.4	June 5	69.2	July 8	65.1	June 2	56.50
Apr. 19	68.5	July 31	68.1	Aug. 4	65.3	July 14	57.44
June 11	69.6	Oct. 3	66.6	Sept. 11	64.3	Aug. 11	59.50
July 27	68.5	Nov. 19	66.4	Oct. 14	63.2	Sept. 15	57.89
Aug. 29	68.5	Jan. 21, 1958	66.0	Nov. 11	58.8	Oct. 15	56.0
Sept. 26	69.2	Mar. 6	65.5	Jan. 13, 1959	63.7	Nov. 10	58.58
Oct. 31	69.0	Apr. 7	65.7	Feb. 10	63.7	Dec. 16	58.6
Jan. 25, 1957	69.0	May 13	66.0	Mar. 9	60.9		

Ta-253. Town of Hammond. SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 6 S., R. 7 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 8 in, depth 2,190 ft, screened 2,090-2,190. Lsd about 35 ft above msl. MP top of discharge pipe, 2.40 ft above lsd. Highest water level 106.0 above lsd, Dec. 16, 1952; lowest 92.2 above lsd, Oct. 31, 1956. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+94.6	Apr. 11, 1957	+95.0	June 12, 1958	+103.6	May 12, 1959	+103.12
Feb. 29	95.2	June 4	93.6	July 8	103.4	June 2	100.58
Apr. 19	97.3	July 31	102.2	Aug. 6	104.0	July 17	97.42
June 11	97.6	Oct. 2	103.8	Sept. 10	103.1	Aug. 11	99.42
July 27	94.8	Nov. 19	102.4	Oct. 16	102.7	Sept. 15	99.65
Aug. 29	94.8	Jan. 21, 1958	102.7	Nov. 14	102.7	Oct. 13	99.88
Sept. 27	93.0	Mar. 6	103.4	Jan. 13, 1959	103.1	Nov. 10	98.72
Oct. 31	92.2	Apr. 9	102.9	Feb. 10	103.6	Dec. 16	99.4
Jan. 25, 1957	95.5	May 13	103.4	Mar. 9	103.4		

Ta-258. Town of Ponchatoula. SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 18, T. 7 S., R. 8 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 8 to 6 in, depth 1,962 ft (previously reported 1,986 ft), screened 1,882-1,962. Lsd about 22 ft above msl. MP center of 6-in cross, 3.54 ft above lsd. Highest water level 120.7 above lsd, Feb. 24, 1954; lowest 90.1 above lsd, July 30, 1957. Records available: 1948, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	+103.8	June 5, 1957	+98.6	June 12, 1958	+93.6	Mar. 12, 1959	+98.3
Feb. 28	113.8	July 30	90.1	July 10	94.0	May 12	92.94
Apr. 19	114.0	Oct. 2	95.1	Aug. 6	95.9	June 3	92.94
June 11	96.4	Nov. 21	97.5	Sept. 10	94.5	July 17	91.32
July 27	95.9	Jan. 23, 1958	99.8	Oct. 16	98.2	Aug. 11	96.86
Aug. 29	96.2	Mar. 6	99.8	Nov. 14	93.6	Sept. 17	90.63
Sept. 27	95.5	Apr. 9	96.8	Jan. 15, 1959	101.3	Oct. 15	94.55
Jan. 25, 1957	101.7	May 15	95.2	Feb. 12	96.8	Nov. 12	93.40
Apr. 12	99.4						

Ta-260. Town of Roseland.  $N\frac{1}{2}$  sec. 28 (previously reported sec. 44), T. 3 S., R. 7 E. Drilled public-supply artesian well in sand of Miocene (previously reported Pleistocene) age, diam 4 in, depth 2,013 ft, screened 1,951-2,013. MP top of 4-in "tee", 2.90 ft above lsd. Highest water level 34.7 above lsd, May 5, 1953 (previously reported 31.35 above lsd, Aug. 11, 1954); lowest 18.2 above lsd, Sept. 15, Oct. 15, Dec. 16, 1959. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+23.2	Apr. 11, 1957	+23.0	June 10, 1958	+20.4	May 12, 1959	+19.2
Feb. 29	24.2	June 5	22.7	July 8	20.5	June 2	18.7
Apr. 19	23.4	July 31	22.6	Aug. 4	19.1	July 14	18.4
June 6	23.0	Oct. 3	21.4	Sept. 11	18.8	Aug. 11	18.3
July 25	22.2	Nov. 19	21.6	Oct. 14	18.5	Sept. 15	18.2
Aug. 29	22.2	Jan. 21, 1958	20.4	Nov. 11	19.9	Oct. 15	18.2
Sept. 26	23.0	Mar. 6	21.5	Jan. 13, 1959	19.4	Nov. 10	18.6
Oct. 31	21.8	Apr. 7	21.0	Feb. 10	19.3	Dec. 16	18.2
Jan. 25, 1957	21.7	May 13	21.1				

Ta-262. Town of Independence.  $SW\frac{1}{4}NW\frac{1}{4}$  sec. 10, T. 5 S., R. 7 E. Drilled public-supply artesian well in sand of Miocene (previously reported Pleistocene) age, diam 4 in, depth 2,316 ft (previously reported 2,300 ft), screened 2,256-2,316. MP top of 4-in "tee", 2.40 ft above lsd. Highest water level 78.7 above lsd, several times, 1954, 1955; lowest 56.92 above lsd, Oct. 15, 1959. Records available: 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+68.0	June 5, 1957	+66.7	July 8, 1958	+64.8	May 12, 1959	+62.69
Feb. 29	69.6	Oct. 3	66.3	Aug. 4	64.8	June 2	58.07
Apr. 19	69.6	Nov. 19	66.8	Sept. 11	63.6	July 14	58.30
June 11	67.0	Jan. 21, 1958	65.5	Oct. 14	63.1	Aug. 11	61.07
July 27	68.9	Mar. 6	65.5	Nov. 11	59.2	Sept. 15	59.46
Aug. 29	68.9	Apr. 7	65.9	Jan. 13, 1959	64.1	Oct. 15	56.92
Sept. 26	69.8	May 13	66.4	Feb. 10	62.7	Nov. 10	58.07
Oct. 31	65.0	June 10	65.2	Mar. 9	62.2	Dec. 16	59.70

#### Tensas Parish

Ts-7. Mrs. Betty L. Wactor. Newlight.  $SW\frac{1}{4}SW\frac{1}{4}$  sec. 21, T. 13 N., R. 10 E. Drilled water-table (previously reported artesian) well in alluvial sand of Pleistocene (previously reported Recent) age, diam 3 in, depth 87 ft. Lsd 68.87 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 28.36 below lsd, June 17, 1958; lowest 33.72 below lsd, Sept. 5, 1957. Records available: 1953-58. Jet pump installed Sept. 16, 1958; measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	33.37	Sept. 11, 1956	33.11	Apr. 15, 1957	31.87	Oct. 2, 1957	32.02
Mar. 6	32.25	Oct. 22	33.49	May 7	31.59	Nov. 6	32.15
Apr. 16	31.67	Nov. 19	33.59	June 4	31.14	Dec. 3	31.17
May 15	31.29	Dec. 18	33.66	July 9	30.70	Mar. 11, 1958	29.60
June 19	31.94	Jan. 31, 1957	33.38	Aug. 12	30.79	June 17	28.36
Aug. 7	32.72	Mar. 6	32.63	Sept. 5	33.72		

#### Union Parish

Un-26. Olin Mathieson Chemical Corp.  $SE\frac{1}{4}NW\frac{1}{4}$  sec. 10, T. 20 N., R. 3 E. Drilled unused artesian well in Sparta sand of Eocene age, diam 9 to 7 in, depth 745 ft, screened 670-745. Lsd about 110 ft above msl. MP top of recorder-shelter floor, 1.80 ft above lsd. Highest water level 141.11 below lsd, July 26, 1959; lowest 149.22 below lsd, Nov. 29, 1959. Records available: 1956-59. Recorder installed Dec. 20, 1956. Dec. 7, 1956, 146.41; Dec. 20, 146.40; Dec. 25, 146.52; Dec. 31, 146.30.

Water level at noon, from recorder graph, 1957											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	146.56	146.49	.....	146.33	146.33	145.83	146.24	146.97	.....	147.53	147.68
10	146.71	146.32	146.30	146.34	146.05	145.94	146.48	146.98	147.38	147.70	148.40
15	146.50	146.42	146.67	.....	145.98	146.05	146.55	147.10	147.23	147.47	147.28
20	146.65	.....	146.43	146.51	145.76	146.02	146.72	147.22	147.28	147.88	147.49
25	146.57	.....	146.14	146.34	145.94	146.11	.....	147.23	147.50	147.63	147.51
Eom	146.33	.....	146.30	146.19	145.96	146.17	146.57	.....	147.46	147.55	147.68
1958											
5	147.59	147.10	147.28	146.87	146.97	146.28	146.32	146.91	147.30	147.40	147.52
10	147.32	147.37	147.20	147.15	146.77	146.03	146.52	147.06	147.28	147.50	147.76
15	147.19	147.20	147.44	.....	146.79	146.07	146.59	147.07	147.31	147.66	147.54
20	146.89	147.57	147.49	147.26	.....	146.13	146.47	147.20	147.24	147.44	147.92
25	146.84	147.12	147.15	147.44	146.19	146.12	146.57	147.11	147.31	147.64	147.71
Eom	147.13	147.28	147.27	147.30	146.11	146.37	146.78	147.30	147.25	147.68	148.13

e Estimated.

Un-26--Continued.

1959												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	148.35	147.89	147.42	147.73	147.84	.....	148.12	148.20	148.39	148.57	148.66	148.82
10	148.23	147.83	147.56	147.85	147.73	.....	148.21	148.27	148.48	148.56	148.96	148.92
15	147.63	147.81	147.82	147.93	148.01	.....	148.25	148.41	148.27	148.69	148.84	148.86
20	h147.70	148.27	147.66	.....	147.86	148.04	.....	148.41	148.68	148.65	148.75	149.03
25	147.98	147.92	147.68	147.85	.....	148.07	148.17	148.40	148.52	148.54	148.68	149.06
Eom	148.01	147.77	147.66	147.72	147.77	148.13	148.28	148.13	148.57	148.91	149.13	149.03
h Tape measurement.												

h Tape measurement.

## Vermilion Parish

Ve-28. Dept. of the Army. Vermilion Locks on Intracoastal Canal. Drilled public-supply artesian well in Chicot aquifer of Pleistocene age, diam 2 in, depth 260 ft. Lsd 6.74 ft above msl. MP top of casing, 1.08 ft above lsd. Highest water level 1.25 below lsd, Apr. 11, 1944; lowest 8.58 below lsd, Sept. 15, 1954. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	6.75	Apr. 23, 1957	7.08	Apr. 29, 1958	6.57	Apr. 15, 1959	6.54
Sept. 5	8.17	Sept. 25	7.28	Sept. 9	6.72	Sept. 10	6.83
Apr. 2, 1957	7.57						

Ve-78. J. F. Noel. Irreg. sec. 14, T. 13 S., R. 3 E. Drilled irrigation artesian well in Chicot aquifer of Pleistocene age, diam 12 in, depth 295 ft. Lsd 9.85 ft above msl. MP top of wooden well cover, at lsd. Highest water level 5.34 below lsd, Mar. 9, 1944; lowest 14.87 below lsd, Sept. 15, 1954. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	12.15	Apr. 23, 1957	12.05	Apr. 29, 1958	10.05	Apr. 14, 1959	10.77
Sept. 5	14.43	Sept. 25	13.34	Sept. 8	8.77	Sept. 9	9.08
Apr. 3, 1957	12.20						

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 Chicot aquifer of Pleistocene age, diam 10 in, depth 285 ft. Lsd 9.51 ft above msl. MP top of flange, 3.20 ft above lsd. Highest water level 4.67 below lsd, May 6, 1944; lowest 14.75 below lsd, Sept. 5, 1956. Records available: 1944-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1956	11.83	Apr. 23, 1957	12.02	Apr. 29, 1958	11.80	Apr. 14, 1959	11.62
Sept. 5	14.75	Sept. 25	13.58	Sept. 5	12.56	Sept. 10	12.97
Apr. 2, 1957	12.15						

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 Chicot aquifer of Pleistocene age, diam 12 to 10 in, depth 320 ft. Lsd 1.96 ft above msl (previously reported 0.96 ft above msl). MP hole in casing cover, at lsd. Highest water level 6.67 below lsd, Mar. 21, 1950; lowest 19.52 below lsd, Sept. 14, 1954. Records available: 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	12.03	Apr. 23, 1957	12.45	Apr. 29, 1958	12.27	Apr. 16, 1959	11.60
Sept. 6	17.44	Sept. 26	15.96	Sept. 9	15.46	Sept. 10	15.22
Apr. 2, 1957	12.75						

Ve-284. Alphe Broussard. Fork Island. T. 14 S., R. 1 E. Drilled unused artesian well in Chicot aquifer of Pleistocene age, diam 24 to 8 in, depth 221 ft, screened 167-219. Lsd 1.10 ft above msl. MP lower edge of discharge pipe. Highest water level 1.56 below lsd, Mar. 21, 1950; lowest 6.58 below lsd, Sept. 14, 1954. Records available: 1950-51, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	3.94	Apr. 24, 1957	3.61	Apr. 30, 1958	3.88	Apr. 15, 1959	3.35
Sept. 6	5.51	Sept. 26	3.79	Sept. 9	3.58	Sept. 10	4.42
Apr. 3, 1957	3.52						

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 Chicot aquifer of Pleistocene age, diam 24 to 10 in, depth 300 ft. Lsd 9.53 ft above msl. MP lower edge of discharge pipe. Highest water level 8.20 below lsd, Mar. 27, 1950; lowest 20.65 below lsd, July 15, 1953. Records available: 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1956	14.23	Apr. 24, 1957	14.77	Apr. 30, 1958	14.79	Apr. 15, 1959	(a)
Sept. 6	16.91	Sept. 27	15.90	Sept. 9	15.15	Sept. 10	15.08
Apr. 3, 1957	13.62						

a Well being pumped.

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 Chicot aquifer of Pleistocene age, diam 4 in, depth 210 ft. Lsd 6.14 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 9.8 below lsd, Mar. 9, 1951; lowest 23.70 below lsd, June 19, 1954. Records available: 1950-59.

Ve-514--Continued.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.17	17.90	16.62	15.08	16.67	18.96	19.10	20.58	18.25	18.10	19.53	.....
10	16.12	17.15	16.58	17.24	16.40	17.35	18.90	19.71	18.11	17.13	19.18	.....
15	17.62	16.50	15.51	16.72	16.92	17.88	18.23	19.25	17.06	18.84	18.97	.....
20	18.45	16.96	16.71	17.05	17.69	18.07	19.11	18.80	16.93	18.85	18.17	.....
25	18.27	16.86	16.95	16.96	19.41	17.80	19.45	18.65	18.29	18.99	.....	.....
Eom	17.96	15.40	16.65	16.63	19.66	18.98	19.12	18.52	18.18	18.98	.....	.....
1957												
5	17.66	17.85	17.00	16.77	16.88	17.28	.....	17.70	17.45	17.88	15.08	15.03
10	17.37	17.65	16.92	16.72	16.49	17.43	15.60	16.95	17.63	17.55	.....	14.86
15	17.15	17.72	16.82	16.65	16.49	17.05	15.74	17.40	17.22	16.70	16.00	14.51
20	17.11	17.59	16.17	16.94	16.87	17.44	17.92	17.32	16.35	17.50	15.95	16.05
25	15.93	17.10	15.99	16.34	17.20	17.22	18.22	17.08	16.62	16.13	15.91	15.88
Eom	17.80	17.07	.....	16.00	17.76	.....	18.00	17.70	17.65	15.67	16.15	15.75
1958												
5	15.73	15.32	14.31	.....	15.63	18.05	18.17	16.74	16.37	15.95	15.43	16.01
10	15.43	15.13	14.28	14.63	16.30	17.77	17.74	16.80	16.13	15.73	15.36	16.25
15	15.43	.....	15.36	14.57	16.78	17.72	17.20	16.63	15.72	15.51	16.10	16.27
20	15.91	.....	14.35	14.57	17.02	18.00	17.35	17.15	15.48	.....	15.27	15.88
25	15.69	14.65	14.40	14.50	17.45	17.86	.....	16.82	15.24	15.45	15.96	15.42
Eom	15.36	14.49	12.64	.....	17.40	18.01	16.44	16.95	15.98	16.00	.....	16.25
1959												
5	15.99	16.19	14.26	14.37	15.10	.....	.....	17.04	16.90	15.50	15.45	.....
10	15.02	15.79	14.15	.....	16.14	.....	.....	17.18	16.65	.....	15.55	.....
15	15.47	14.82	14.17	13.90	16.27	.....	.....	17.30	15.06	.....	15.28	16.11
20	15.57	15.44	13.62	13.92	16.22	.....	.....	17.35	16.73	.....	14.58	16.01
25	16.51	15.01	13.52	14.74	15.49	.....	17.12	17.38	16.62	.....	16.07	15.85
Eom	16.42	14.70	13.88	15.12	15.70	.....	17.18	16.92	16.60	15.55	.....	.....

e Estimated.

h Tape measurement.

## Vernon Parish

V-104. Dept. of the Army. Fort Polk. NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 17, T. 1 N., R. 8 W. Drilled un-used artesian well in sand (Fort Polk "B" sand zone) of Miocene age, diam 8 in, depth 855 ft (previously reported 908 ft), screened 836-854. Lsd 344.8 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 179.48 below lsd, June 2, 1955; lowest 215.96 below lsd, Aug. 24, 1957. Records available: 1952-59.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	191.15	192.16	192.83	193.40	196.14	196.92	198.84	202.53	203.11	203.02	199.43	198.07
10	193.08	192.90	194.10	193.45	197.08	202.03	198.12	207.47	202.90	201.78	200.83	197.42
15	192.58	193.05	193.21	193.25	199.54	202.55	199.45	204.72	204.38	201.44	199.58	198.18
20	193.10	192.98	193.29	194.80	197.73	202.75	203.65	204.46	206.15	202.22	199.53	197.86
25	192.86	193.63	193.36	195.00	198.75	198.06	201.40	207.20	204.43	200.68	198.51	195.03
Eom	192.65	194.10	194.67	195.02	197.25	201.39	201.98	206.00	203.51	200.30	198.82	194.48
1957												
5	.....	196.83	197.90	196.38	198.45	201.92	207.30	213.50	209.27	206.10	202.75	201.83
10	195.65	197.18	197.12	196.25	199.30	205.10	208.55	213.65	208.57	206.85	202.85	201.12
15	195.22	198.10	198.20	196.77	199.38	203.37	204.80	213.40	208.05	205.10	202.76	200.75
20	195.75	197.30	197.39	198.67	199.20	203.61	211.10	213.10	207.70	204.45	203.60	200.15
25	195.45	197.05	196.35	195.13	202.50	202.10	212.00	212.35	206.55	204.60	201.16	198.40
Eom	196.96	198.10	195.97	199.05	202.20	205.10	213.55	212.50	205.60	204.00	202.30	197.40
1958												
5	197.42	.....	195.95	196.85	198.70	203.40	205.10	206.85	.....	201.63	200.29	199.84
10	.....	.....	196.10	197.55	198.50	200.53	204.55	206.85	.....	202.47	200.29	199.62
15	.....	196.85	197.05	197.50	199.90	205.00	205.45	206.80	204.15	201.62	200.14	200.17
20	.....	196.74	196.38	197.95	198.05	204.20	204.70	210.00	203.60	201.14	199.85	200.02
25	.....	196.25	196.06	197.85	196.80	205.45	206.92	206.35	203.48	201.33	199.67	198.83
Eom	.....	196.67	196.80	197.30	197.36	203.85	206.98	.....	202.97	200.93	199.20	198.45
1959												
5	199.04	199.04	194.56	193.45	193.50	191.46	192.72	193.40	191.80	188.39	187.88	186.67
10	200.01	196.59	194.20	194.12	191.29	191.00	192.57	192.97	190.32	188.61	187.00	186.14
15	199.52	196.15	193.99	193.45	192.50	190.86	192.30	194.59	190.42	188.50	187.17	185.66
20	199.28	195.24	194.55	193.00	192.58	193.90	192.87	192.52	190.22	188.28	187.78	185.31
25	199.24	194.26	194.63	192.88	191.38	192.65	191.59	191.35	189.87	188.07	186.88	186.23
Eom	199.40	195.45	194.35	193.15	192.71	192.50	192.28	191.96	189.58	187.70	187.04	.....

V-128. Dept. of the Army. Fort Polk. Center NW $\frac{1}{4}$  sec. 34, T. 2 N., R. 8 W. Drilled unused artesian well in sand (Fort Polk "D" sand zone) of Miocene age, diam 13 to 8 in, depth 1,450 ft, screened 1,407-1,450. MP top of casing, 1.60 ft above lsd. Highest water level 147.88 below lsd, May 30, 1956; lowest 152.91 below lsd, Sept. 18, 1959. Records available: 1956-59. Recorder installed May 24, 1956. Recorder removed July 7, 1958. Nov. 5, 1958, 152.25; Dec. 24, 152.28; Mar. 17, 1959, 152.37; June 26, 152.63; Sept. 18, 152.91; Dec. 28, 152.82.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	147.98	148.49	148.90	149.19	149.38	149.21	148.94
10	.....	.....	.....	.....	.....	148.00	148.60	.....	149.27	149.45	149.17	148.99
15	.....	.....	.....	.....	.....	148.05	148.65	.....	149.31	149.39	148.99	148.73
20	.....	.....	.....	.....	.....	148.17	148.76	.....	149.32	149.35	148.93	148.58
25	.....	.....	.....	.....	148.09	148.33	148.82	149.28	149.39	149.31	148.91	148.50
Eom	.....	.....	.....	.....	147.90	148.27	148.84	149.38	149.55	149.24	148.95	148.42

1957

5	148.62	148.76	148.66	148.63	151.15	151.24	151.37	151.61	151.98	151.96	151.74	151.58
10	148.62	148.76	148.77	151.10	151.15	151.32	151.47	151.61	152.01	152.02	151.68	151.42
15	148.58	148.80	148.90	151.16	151.16	151.38	151.49	151.72	151.96	151.83	151.44	151.52
20	148.68	148.69	148.70	151.16	151.16	151.42	151.46	151.74	151.91	151.85	151.50	151.44
25	148.64	148.62	148.64	151.16	151.33	151.38	151.47	151.78	151.94	151.66	151.49	151.51
Eom	148.69	148.77	148.76	151.04	151.35	151.30	151.50	151.91	151.90	151.67	151.61	151.50

1958

5	151.65	.....	151.62	151.54	151.70	152.05	152.18	.....	.....	.....	.....	.....
10	151.55	.....	151.57	151.61	151.75	152.02	.....	.....	.....	.....	.....	.....
15	.....	151.62	151.70	.....	151.92	152.12	.....	.....	.....	.....	.....	.....
20	.....	151.74	151.75	.....	151.88	152.15	.....	.....	.....	.....	.....	.....
25	.....	151.56	151.58	.....	151.81	152.04	.....	.....	.....	.....	.....	.....
Eom	.....	151.56	151.64	151.71	151.92	152.16	.....	.....	.....	.....	.....	.....

## Washington Parish

Wa-7. Gaylord Container Corp. Bogalusa. Center of east  $\frac{1}{2}$  sec. 38, T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diam 24 to 12 in, depth 600 ft (previously reported 580 ft), screened 525-600. MP top of casing, 0.32 ft above lsd. Highest water level 0.43 above lsd, Apr. 30, 1958; lowest 35.53 below lsd, Dec. 23, 1957. Records available: 1949-59.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.08	2.30	18.00	19.08	20.98	21.34	0.08	21.58	18.41	19.85	20.60	21.25
10	2.84	1.78	18.80	19.47	20.88	21.78	18.19	21.49	18.44	19.67	20.40	21.40
15	2.52	1.80	19.02	19.44	17.33	21.25	19.22	20.91	19.50	19.62	20.80	21.35
20	2.43	1.20	19.29	19.66	20.95	21.13	20.36	19.08	21.49	20.22	20.95	21.25
25	2.31	15.76	19.40	19.84	21.62	20.66	20.91	18.85	21.28	20.57	20.65	10.90
Eom	2.20	17.46	19.14	20.69	21.69	21.62	21.68	18.48	21.25	20.45	21.15	20.00

1957

5	9.85	19.83	7.67	.....	5.40	19.64	19.20	15.17	8.98	20.75	.....	12.88
10	17.50	20.00	6.85	.....	5.35	20.10	10.35	5.72	20.60	.....	.....	12.79
15	9.20	20.20	6.45	5.18	5.45	20.51	14.35	4.79	21.40	.....	.....	21.33
20	7.30	20.20	6.20	5.22	5.48	20.68	19.40	16.70	.....	.....	12.75	24.83
25	19.25	10.25	5.95	5.30	.....	21.09	21.21	16.79	.....	.....	19.42	27.35
Eom	19.60	14.45	5.70	5.50	.....	20.95	21.85	5.02	.....	.....	13.45	.....

1958

5	.....	.....	10.33	9.40	-15.39	-14.77	+0.17	5.64	15.05	18.13	14.10	12.05
10	.....	.....	5.37	6.75	11.55	17.20	-14.20	16.16	17.59	18.16	13.32	12.10
15	.....	.....	17.32	9.68	13.05	18.09	13.55	3.25	18.17	18.10	13.19	11.80
20	.....	.....	18.40	8.55	17.60	18.92	9.61	6.04	18.08	18.15	12.72	12.60
25	.....	13.09	18.71	-7.75	-0.30	18.73	6.92	5.63	18.10	17.65	12.45	.....
Eom	.....	8.13	19.15	+0.43	+0.25	-19.19	6.01	5.40	18.12	17.12	12.20	.....

1959

5	.....	12.54	13.51	13.17	13.66	9.65	14.00	-3.70	+0.26	+0.26	9.58	10.00
10	.....	12.67	13.95	13.05	14.03	13.13	13.50	0.00	0.26	-7.10	9.77	10.16
15	12.44	12.71	12.95	7.40	13.95	13.31	13.20	+0.26	0.26	8.57	9.85	10.15
20	12.66	11.85	13.22	5.45	13.98	13.90	13.32	0.26	0.26	9.16	10.05	9.94
25	12.80	12.87	13.06	12.77	13.85	13.95	13.25	0.26	0.26	9.45	9.94	.....
Eom	12.75	13.10	13.06	13.12	13.76	13.97	13.34	0.26	0.26	9.47	10.05	.....

Wa-13. Gaylord Container Corp. Bogalusa. 100 ft south and 100 ft west of northeast corner sec. 38, T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diam 20 to 12 in, depth 170 ft, screened 90-156. Lsd about 105 ft above msl. MP top edge of recorder-shelter subfloor, 1.30 ft above lsd. Highest water level 5.24 below lsd, July 25, 1958; lowest 44.07 below lsd, Sept. 22, 1958. Records available: 1957-59. Recorder installed May 22, 1957.

Water level at noon, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	37.12	11.77	38.10	26.87	30.60	14.84	12.95
10	.....	.....	.....	.....	.....	32.47	11.48	38.23	22.79	30.75	14.61	12.65
15	.....	.....	.....	.....	.....	32.40	12.82	24.95	22.27	15.97	12.97	12.75
20	.....	.....	.....	.....	h36.59	36.64	22.35	24.42	36.54	15.02	13.33	12.62
25	.....	.....	.....	.....	36.80	36.99	38.13	38.47	31.26	14.81	13.10	7.64
Eom	.....	.....	.....	.....	37.35	37.29	38.57	32.84	31.30	14.94	13.05	28.75

1958

5	28.50	28.73	6.98	5.82	....	6.20	....	9.80	24.89	21.22	25.35	28.32
10	25.40	32.66	6.23	8.32	....	25.34	5.84	5.63	24.50	8.45	28.25	28.65
15	28.95	29.15	11.43	10.42	8.95	9.32	5.85	10.09	44.05	10.95	31.43	28.72
20	25.30	28.62	10.99	.....	.....	25.65	10.52	9.35	25.77	24.87	31.85	19.40
25	7.57	29.00	9.44	.....	.....	25.41	5.24	5.55	24.35	11.25	33.07	9.35
Eom	28.77	28.36	10.92	.....	6.22	10.82	5.86	10.72	28.15	6.45	28.78	....

1959

5	.....	17.95	17.82	16.70	36.25	33.35	19.55	34.80	20.49	21.25	24.20	20.25
10	.....	18.30	17.18	20.70	36.23	34.10	20.50	34.50	35.07	35.28	30.84	34.10
15	19.05	18.30	17.10	20.70	.....	34.80	15.43	34.42	20.98	33.15	33.19	19.99
20	19.21	18.28	16.71	35.90	.....	36.00	14.65	20.92	34.77	35.48	34.20	32.15
25	19.00	17.82	16.70	35.94	.....	36.10	20.11	34.92	21.68	34.60	33.68	16.44
Eom	18.42	17.91	16.70	36.00	.....	36.20	20.34	30.00	21.35	27.84	21.48	29.10

h Tape measurement.

Wa-14. Town of Bogalusa. Robertson and Madison Sts. W $\frac{1}{2}$  sec. 12 (previously reported SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 11), T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diam 12 in, depth 680 ft, screened 580-670. MP top of overflow pipe, 1.20 ft above lsd. Highest water level 21.0 above lsd, January 1942 (previously reported 19.7 above lsd, Dec. 1, 1954); lowest 2.2 above lsd, Oct. 5, 1955. Records available: 1942, 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+12.8	July 30, 1957	+8.0	July 8, 1958	+13.9	May 13, 1959	+12.0
Feb. 15	12.3	Oct. 3	9.6	Aug. 5	13.4	June 3	17.0
July 25	7.5	Nov. 20	13.6	Sept. 9	9.6	July 15	14.7
Aug. 29	8.0	Jan. 22, 1958	14.1	Oct. 15	10.4	Aug. 12	15.4
Sept. 26	11.2	Mar. 6	14.4	Nov. 12	16.0	Sept. 16	18.6
Oct. 31	7.9	Apr. 8	14.3	Jan. 14, 1959	17.4	Oct. 14	18.5
Jan. 25, 1957	11.2	May 14	13.3	Feb. 11	17.6	Nov. 11	17.5
Apr. 11	16.7	June 11	10.8	Mar. 10	17.4	Dec. 17	18.0
June 4	11.6						

Wa-15. Town of Bogalusa. North Ave. and Warren St. SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 38, T. 3 S., R. 13 E. Drilled unused artesian well in sand of Pleistocene age, diam 12 in, depth 769 ft, screened 688-769. MP top of plug in 2-in "tee" at end of 3-in discharge line, 1.50 ft above lsd. Highest water level 29.8 above lsd, Apr. 18, 1950; lowest 5.46 above lsd, July 30, 1957. Records available: 1942, 1950-59.

Jan. 11, 1956	+13.2	Apr. 11, 1957	+13.9	May 13, 1958	+11.1	Mar. 10, 1959	+15.8
Feb. 15	14.3	June 4	8.85	June 11	8.62	May 13	15.1
Apr. 19	8.2	July 4	7.95	July 9	12.6	June 3	15.5
June 8	6.6	30	5.46	Aug. 5	13.7	July 15	15.5
July 25	7.0	Oct. 3	7.00	Sept. 9	7.7	Aug. 12	19.0
Aug. 28	7.5	Nov. 20	11.3	Oct. 15	7.6	Sept. 16	21.0
Sept. 26	7.1	Jan. 22, 1958	7.73	Nov. 13	15.5	Oct. 15	18.8
Oct. 30	6.8	Mar. 6	13.2	Jan. 14, 1959	16.4	Nov. 11	17.6
Jan. 24, 1957	8.28	Apr. 8	16.0	Feb. 11	16.0	Dec. 17	17.7

Wa-18. Town of Franklinton. Center S $\frac{1}{2}$  sec. 46, T. 2 S., R. 10 E. Drilled public-supply artesian well in sand of Pleistocene age, diam 6 in, depth 788 ft. MP top of 6-in "tee," 1.20 ft above lsd. Highest water level 35.6 above lsd, June 21, 1950; lowest 17.1 above lsd, Nov. 9, 1955. Records available: 1942, 1949-59.

Jan. 11, 1956	+24.4	Apr. 11, 1957	+25.2	June 10, 1958	+24.5	May 12, 1959	+23.3
Feb. 15	24.1	June 5	24.6	July 8	24.4	June 2	24.2
Apr. 19	24.7	Aug. 27	23.2	Aug. 4	24.5	July 15	31.5
June 8	25.2	Oct. 3	22.8	Sept. 9	24.8	Aug. 11	25.22
July 25	24.6	Nov. 19	23.0	Oct. 14	24.8	Sept. 15	26.3
Aug. 29	24.6	Jan. 21, 1958	22.1	Nov. 12	25.3	Oct. 14	29.1
Sept. 26	24.2	Feb. 26	23.9	Jan. 13, 1959	25.1	Nov. 10	29.1
Oct. 31	21.8	Apr. 7	23.6	Feb. 10	24.5	Dec. 16	28.5
Jan. 25, 1957	24.1	May 13	24.1	Mar. 9	24.6		



Wa-38. Town of Franklinton. Center  $S\frac{1}{2}$  sec. 46, T. 2 S., R. 10 E. Drilled public-supply artesian well in sand of Miocene (?) (previously reported Pleistocene) age, diam 6 in, depth 1,050 ft, screened 970-1,050. MP top of 6-in discharge pipe, 0.65 ft above lsd. Highest water level 46.6 above lsd, Dec. 1, 1954; lowest 26.8 above lsd, Nov. 9, 1955. Records available: 1942, 1949-52, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+37.5	Apr. 11, 1957	+38.0	May 13, 1958	+37.6	Mar. 9, 1959	+36.5
Feb. 15	37.9	June 4	37.6	June 10	38.0	May 12	36.8
Apr. 19	37.3	July 31	37.4	July 8	37.6	June 2	36.3
June 8	39.6	Aug. 27	37.2	Aug. 4	37.9	July 15	43.3
July 25	38.6	Oct. 3	37.4	Sept. 9	37.1	Aug. 11	36.71
Aug. 29	39.4	Nov. 19	37.6	Oct. 14	36.9	Sept. 15	36.8
Sept. 26	40.3	Jan. 21, 1958	38.6	Nov. 12	36.9	Oct. 14	37.4
Oct. 31	36.1	Feb. 26	38.6	Jan. 13, 1959	36.4	Nov. 10	37.1
Jan. 25, 1957	37.0	Apr. 7	39.5	Feb. 10	36.7	Dec. 16	37.4

Wa-41. Town of Bogalusa. Madison and Robertson Sts. Drilled public-supply artesian well in sand of Miocene (previously reported Pleistocene) age, diam 12 in, depth 1,442 ft, screened 1,368-1,442. MP top of concrete pumpbase, 2.20 ft above lsd. Highest water level 33.4 above lsd, Mar. 16, 1950; lowest 21.72 below lsd, June 3, 1959. Records available: 1950, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+17.8	Apr. 11, 1957	+16.5	Sept. 9, 1958	-19.06	June 3, 1959	-21.72
Feb. 15	19.2	Jan. 22, 1958	-1.50	Oct. 15	18.44	July 15	21.12
June 8	19.6	Mar. 6	9.73	Nov. 28	15.16	Aug. 12	20.29
July 25	15.4	Apr. 8	5.42	Jan. 14, 1959	17.49	Sept. 16	20.89
Aug. 29	17.0	May 14	16.08	Feb. 11	12.15	Oct. 14	19.35
Sept. 26	14.0	June 11	19.70	Mar. 10	11.25	Nov. 11	15.81
Oct. 31	15.6	July 8	17.17	May 13	19.26	Dec. 17	15.08
Jan. 25, 1957	18.0	Aug. 5	18.17				

Wa-43. V. A. Talley. Center  $N\frac{1}{2}$  sec. 49 (previously reported sec. 44), T. 4 S., R. 13 E. Drilled domestic artesian well in sand of Pleistocene age, diam 2 in, depth 420 ft. MP top of lower valve, 1.40 ft above lsd. Highest water level 31.0 above lsd, Sept. 12, 1950; lowest 12.9 above lsd, Aug. 12, 1959. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	+26.2	Apr. 11, 1957	+21.8	June 11, 1958	+25.1	May 13, 1959	+13.3
Feb. 15	26.8	June 4	25.2	July 9	25.0	June 3	13.1
Apr. 19	26.3	July 30	24.4	Aug. 5	24.9	July 15	14.2
June 8	25.7	Oct. 3	18.4	Sept. 9	23.0	Aug. 12	12.9
July 25	25.2	Nov. 20	20.9	Oct. 15	22.8	Sept. 16	15.0
Aug. 28	25.3	Jan. 23, 1958	23.8	Nov. 13	16.8	Oct. 14	21.1
Sept. 26	25.5	Mar. 6	25.9	Jan. 14, 1959	16.7	Nov. 11	23.0
Oct. 30	23.1	Apr. 8	24.6	Feb. 11	14.2	Dec. 17	21.4
Jan. 24, 1957	23.6	May 14	25.8	Mar. 10	14.3		

### Webster Parish

Wb-16. International Paper Co., Southern Kraft Division. Springhill Mill.  $NE\frac{1}{4}SW\frac{1}{4}$  sec. 22, T. 23 N., R. 11 W. Drilled unused (previously reported industrial) artesian well in Sparta sand, diam 16 to 10 in, depth 405 ft. MP 2- x 4-in brace in recorder shelter floor, 0.80 ft above lsd. Highest water level 52.65 below lsd, Jan. 28, 1957; lowest 107.02 below lsd, May 5, 1955. Records available: 1955-58. Measurement discontinued May 2, 1958.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	100.88	98.66	91.38	94.92	94.91	93.45	90.72	87.13	85.49	87.75
10	.....	102.17	101.04	98.98	91.34	95.28	94.89	93.68	92.00	86.76	88.79	88.53
15	.....	101.98	100.90	97.00	91.75	96.27	93.50	93.55	91.65	86.32	88.40	87.50
20	88.50	101.94	100.81	97.19	89.73	95.01	93.31	93.13	92.26	89.88	87.78	87.02
25	94.25	101.09	100.70	96.55	89.29	95.42	94.41	93.11	91.67	85.98	88.19	84.91
Eom	93.38	101.65	100.46	95.70	88.95	95.15	93.04	92.76	91.75	86.56	87.85	85.01
1957												
5	82.82	88.30	87.08	82.31	81.55	80.14	86.66	85.15	83.62	87.38	84.54	85.99
10	83.87	87.43	87.38	82.52	81.32	80.37	85.99	85.38	83.96	87.69	86.91	85.58
15	83.77	87.58	87.16	82.43	80.92	86.68	77.27	85.45	83.77	86.73	86.40	85.54
20	83.77	87.75	87.54	82.00	80.79	86.95	84.12	84.95	83.53	87.30	86.53	84.84
25	83.41	87.21	86.87	80.46	80.75	86.90	85.38	84.72	83.54	86.91	86.40	87.65
Eom	86.98	87.42	86.86	81.60	80.80	86.65	85.42	84.32	79.45	86.66	86.40	77.74



WBR-5--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	68.65	68.57	65.02	65.40	.....	67.90	71.45	72.48	.....	72.05	68.80	72.12
10	67.95	67.55	65.48	65.13	66.60	70.35	71.90	71.70	.....	72.77	70.67	72.07
15	68.67	67.35	66.45	66.20	67.30	70.85	72.47	71.82	73.20	72.89	71.73	72.59
20	68.75	67.45	66.23	66.70	67.20	70.15	71.08	72.16	72.67	72.10	72.01	72.37
25	69.02	67.08	66.35	.....	67.20	69.25	71.68	72.42	72.70	70.67	72.05	71.84
Eom	68.10	68.00	64.63	.....	67.25	70.30	71.80	72.40	73.09	69.63	71.85	73.20
1959												
5	72.15	69.92	69.26	.....	72.19	72.84	74.91	73.75	76.10	.....	74.13	.....
10	71.56	69.30	69.20	.....	73.20	72.82	74.78	.....	75.83	75.60	.....	75.30
15	71.65	69.61	70.26	72.00	73.32	72.89	74.82	.....	75.73	.....	.....	.....
20	71.55	70.25	70.07	71.44	72.95	73.88	74.83	.....	76.30	.....	.....	.....
25	71.15	70.10	71.45	72.00	72.85	74.85	73.74	.....	77.05	.....	.....	.....
Eom	70.59	69.83	71.50	72.18	71.87	75.44	74.47	.....	76.81	.....	.....	.....

e Estimated.

e Estimated.

WBR-23. Cinclare Central Factory. E½ irreg. sec. 10, T. 8 S., R. 12 E. Drilled industrial artesian well in sand of Miocene (?) (previously reported Pleistocene) age (probably correlative of "2,000-ft" sand of Baton Rouge area), diam 8 to 4 in, depth 2,098 ft, screened 2,065-2,098. Lsd about 21 ft above msl. MP centerline of gage in fitting in top of plate on 8-in cross, 2.70 ft above lsd. Highest water level 55.9 above lsd, Aug. 30, 1946 (previously reported 47.75 above lsd, Sept. 9, 1954); lowest 33.9 above lsd, Sept. 1, 1959. Records available: 1946, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+40.8	Oct. 12, 1956	+43.6	Mar. 20, 1958	+40.4	Oct. 9, 1958	+37.6
Mar. 1	42.4	Apr. 26, 1957	42.0	May 7	41.4	Jan. 8, 1959	36.6
Apr. 23	43.6	June 21	42.1	June 2	41.3	Feb. 4	38.2
May 29	41.7	Aug. 12	39.4	July 1	39.6	May 19	37.3
July 16	41.5	Jan. 14, 1958	40.8	30	39.3	July 8	43.1
Aug. 20	37.0	Feb. 11	40.3	Sept. 18	37.3	Sept. 1	33.9

## Winn Parish

W-2. Town of Winnfield. T. 11 N., R. 3 W. Drilled public-supply artesian well in Sparta sand, diam 8 in, depth 278 ft. MP top of ¼-in air line, 2.00 ft above lsd. Highest water level 18.82 below lsd, Dec. 14, 1958; lowest 42.64 below lsd, July 31, 1953. Records available: 1949-59. Measurement discontinued.

Jan. 18, 1956	28.43	Dec. 10, 1956	23.70	Aug. 14, 1957	24.04	May 24, 1958	20.06
Mar. 9	26.12	Jan. 4, 1957	23.59	Oct. 7	22.85	June 24	20.22
Apr. 20	(a)	Feb. 8	23.55	Nov. 11	21.60	July 15	21.16
May 21	25.36	Mar. 18	22.53	Dec. 13	21.14	Aug. 19	21.35
June 22	25.15	Apr. 19	21.83	Jan. 3, 1958	20.64	Sept. 26	21.27
Aug. 16	25.59	May 10	22.14	Feb. 4	19.93	Oct. 14	20.11
Sept. 17	25.02	June 7	23.13	Mar. 14	19.54	Dec. 14	18.82
Oct. 25	24.77	July 17	(a)	Apr. 15	19.40	Jan. 23, 1959	19.00

a Well being pumped.

## References

- Cushing, E. M., and Jones, P. H., 1945, Ground-water conditions in the vicinity of Baton Rouge; a progress report: Louisiana Dept. Conserv. and Louisiana Dept. Public Works.
- Edwards, M. L., Kister, L. R., and Scarcia, Glenn, 1956, Water resources of the New Orleans area, Louisiana: U. S. Geol. Survey Circ. 374, 41 p., 1 pl., 25 figs.
- Fader, S. W., 1954, An analysis of contour maps of water levels in wells in southwestern Louisiana, 1952 and 1953: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 1.
- \_\_\_\_\_, 1955, An analysis of contour maps of water levels in wells in southwestern Louisiana, 1954: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 2.
- \_\_\_\_\_, 1957, An analysis of contour maps of 1955 water levels with a discussion of salt-water problems in southwestern Louisiana: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 4.
- \_\_\_\_\_, 1958, Water levels and water-level contour maps for southwestern Louisiana, 1956 and spring 1957: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 5.

- Fader, S. W., and Harder, A. H., 1954, Preliminary memorandum on the effects of the proposed Cocodrie and Longleaf reservoirs and the Vermillion River on ground-water recharge in southwestern Louisiana: U. S. Geol. Survey open-file rept.
- Jones, P. H., 1946, Ground water in Louisiana: Louisiana State Univ. Engr. Expt. Sta. News, v. 2, no. 1, p. 10-21.
- \_\_\_\_\_, 1951, An investigation of the relation between stream flow and ground-water conditions in the upper drainage basin of Bundick Creek in Beauregard Parish, Louisiana: U. S. Geol. Survey open-file rept.
- \_\_\_\_\_, 1952, Ground-water conditions in the lower part of the Vermilion River Basin, Louisiana: Am. Soc. Civil Engineers Proc., v. 80, no. 490, and U. S. Geol. Survey open-file rept.
- Jones, P. H., Hendricks, E. L., and Ireland, Burdge, 1956, Water resources of southwestern Louisiana: U. S. Geol. Survey Water-Supply Paper 1364.
- Jones, P. H., and Holmes, C. N., 1947, Ground-water conditions in the Monroe area, Louisiana: Louisiana Dept. Conserv., Geol. Bull. 24.
- Jones, P. H., Turcan, A. N., Jr., and Skibitzke, H. E., 1954, Geology and ground-water resources of southwestern Louisiana: Louisiana Dept. Conserv., Geol. Bull. 30.
- Klug, M. L., 1955, Geology and ground-water resources of the Alexandria area, Rapides Parish, Louisiana: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 3.
- \_\_\_\_\_, 1956, Memorandum on ground-water resources of the Leesville area, Vernon Parish, Louisiana: U. S. Geol. Survey open-file rept.
- Maher, J. C., 1940, Ground-water resources of Rapides Parish, Louisiana: Louisiana Dept. Conserv., Geol. Bull. 17.
- \_\_\_\_\_, 1941, Ground-water resources of Grant and LaSalle Parishes, Louisiana: Louisiana Dept. Conserv., Geol. Bull. 20.
- Meyer, R. R., and Turcan, A. N., Jr., 1953, Summary report on the geology and ground-water resources of the Baton Rouge area, Louisiana: U. S. Geol. Survey open-file rept.
- Newcome, Roy, Jr., 1960, Ground-water resources of the Red River Valley alluvium in Louisiana: Louisiana Dept. Conserv. and Louisiana Dept. Public Works, Water Resources Pamph. 7.
- Stanley, T. B., Jr., and Maher, J. C., 1944, Ground-water resources of Jefferson Davis and Acadia Parishes, Louisiana: Louisiana Dept. Public Works.
- Turcan, A. N., Jr., and Fader, S. W., 1959, Summary of ground-water conditions in southwestern Louisiana, 1957 and 1958: Louisiana Dept. Public Works, Water Resources Pamph. 6.

# OKLAHOMA

By Donald L. Hart, Jr.

The observation-well program in Oklahoma was continued from 1956 through June 30, 1957, in cooperation with the Oklahoma Planning and Resources Board, from July 1, 1957 through 1959 with the Oklahoma Water Resources Board, and from 1956 to June 30, 1958, with the Oklahoma Geological Survey. Measurements were made at 854 well sites on a periodic basis; 15 of these well sites were equipped with automatic water-level recorders. Forty-eight wells from this group have been chosen to compose the Federal observation-well network; water-level recorders have been operated on 5 of these wells. Figures 7, 8, 9, 10, and 11 show the location of the wells for which water-level data are given in this report.

## Well Location and Numbering System

Wells are numbered in accordance with the township system of the General Land Office. 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. Where several wells are recorded in the same section, serial numbers are added after the section number to distinguish one from another.

## Water-Level Measurements

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

### Beaver County

2N24E-7-1. Formerly 275. James W. Parker. Drilled stock water-table well in Ogallala formation, diam 6 in, depth 94 ft. MP high point west edge of casing, 0.50 ft above lsd. Highest water level 75.29 below lsd, May 19, 1952; lowest 77.20 below lsd, Oct. 5, 1956. Records available: 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	76.07	Aug. 16, 1956	75.74	Mar. 27, 1958	76.36	Jan. 19, 1959	76.41
Feb. 2	76.12	Oct. 5	77.20	Apr. 14	76.36	Feb. 19	76.46
29	76.03	Nov. 20	76.10	May 28	76.23	Apr. 17	76.35
Mar. 9	75.78	Dec. 20	76.11	June 9	76.22	June 9	75.92
21	75.83	Jan. 23, 1957	76.09	July 21	76.18	July 14	76.04
Apr. 10	75.73	July 16	75.93	Sept. 18	76.26	Aug. 27	75.86
May 11	76.20	Sept. 23	75.88	Nov. 24	76.24	Nov. 9	76.73
June 11	75.53	Oct. 30	76.23	Dec. 17	76.44	Dec. 28	75.98
July 19	75.65	Feb. 12, 1958	75.99				

4N24E-7-3. Formerly 528. Southwestern Public Service Co. Dug unused water-table well in alluvium, diam 16 to 2 ft, depth 34 ft, cased to 34. MP top of wooden curb, 1.64 ft above lsd. Highest water level 2.98 below lsd, June 24, 1949; lowest 18.21 below lsd, Dec. 31, 1957. Records available: 1939-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	16.07	Mar. 30, 1956	15.51	June 22, 1956	16.51	Sept. 14, 1956	17.44
13	16.03	Apr. 6	15.59	29	16.57	21	17.61
20	15.98	13	15.65	July 6	16.65	28	17.51
27	15.92	20	15.61	13	16.67	Oct. 5	17.55
Feb. 3	15.84	27	15.59	20	16.69	12	17.65
10	15.78	May 4	15.67	27	16.73	19	17.67
17	15.63	11	15.78	Aug. 3	16.86	26	17.70
24	15.57	18	15.82	10	16.96	Nov. 2	17.67
Mar. 2	15.55	25	15.98	17	17.03	9	17.65
9	15.53	June 1	16.09	24	17.07	16	17.61
16	15.48	8	16.15	31	17.15	23	17.57
23	15.48	15	16.26	Sept. 7	17.34	30	17.51

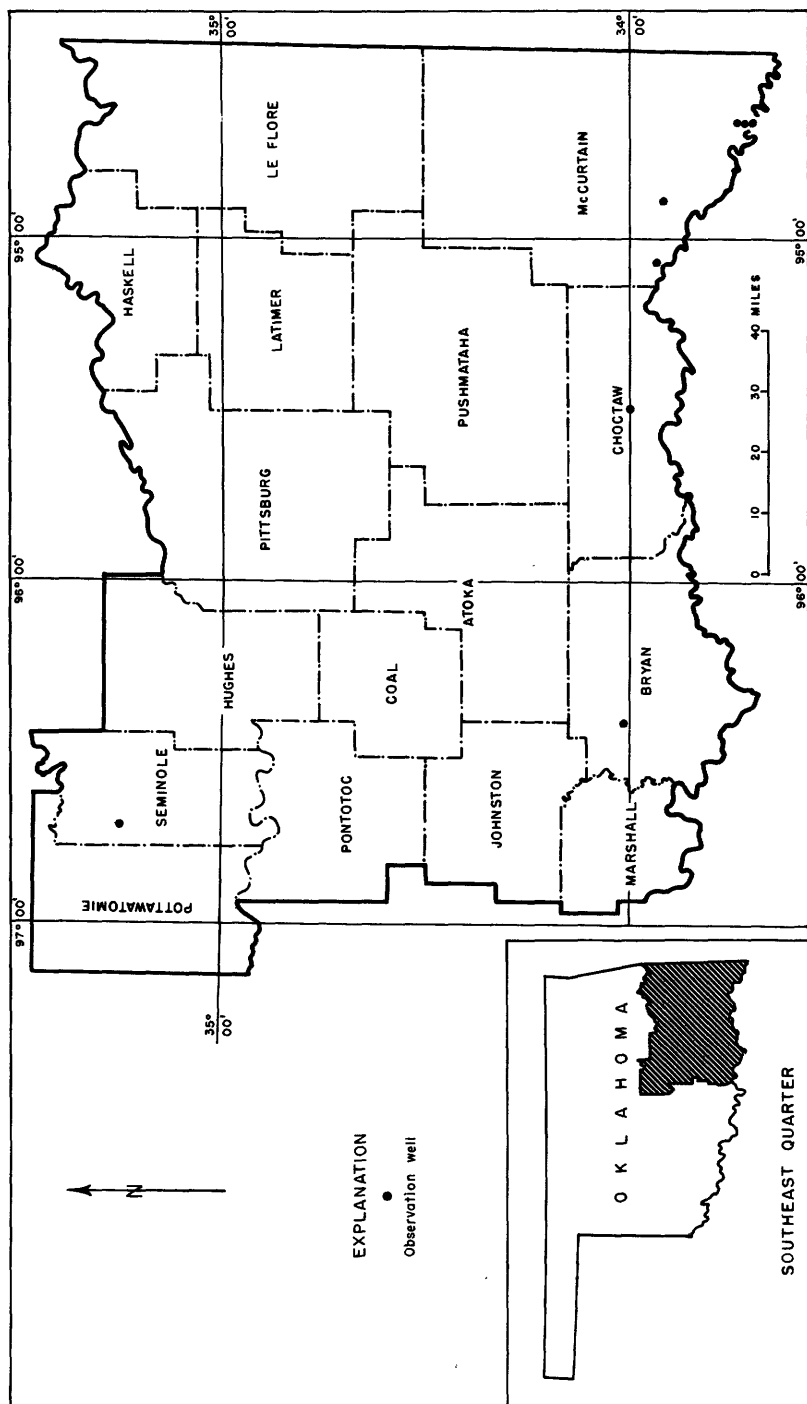


Figure 7.--Location of observation wells in southeastern Oklahoma, 1956-59.

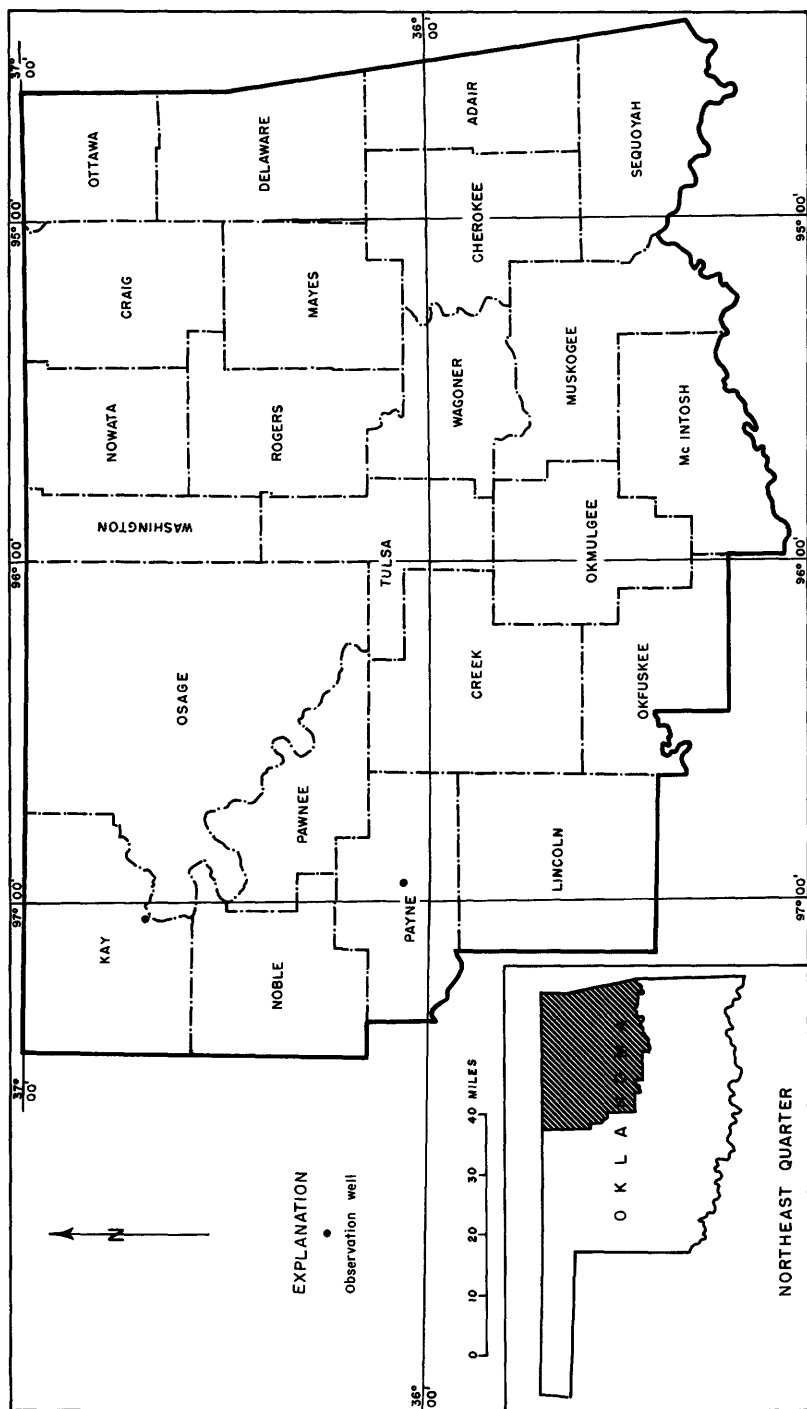


Figure 8 --Location of observation wells in northeastern Oklahoma, 1958-59.

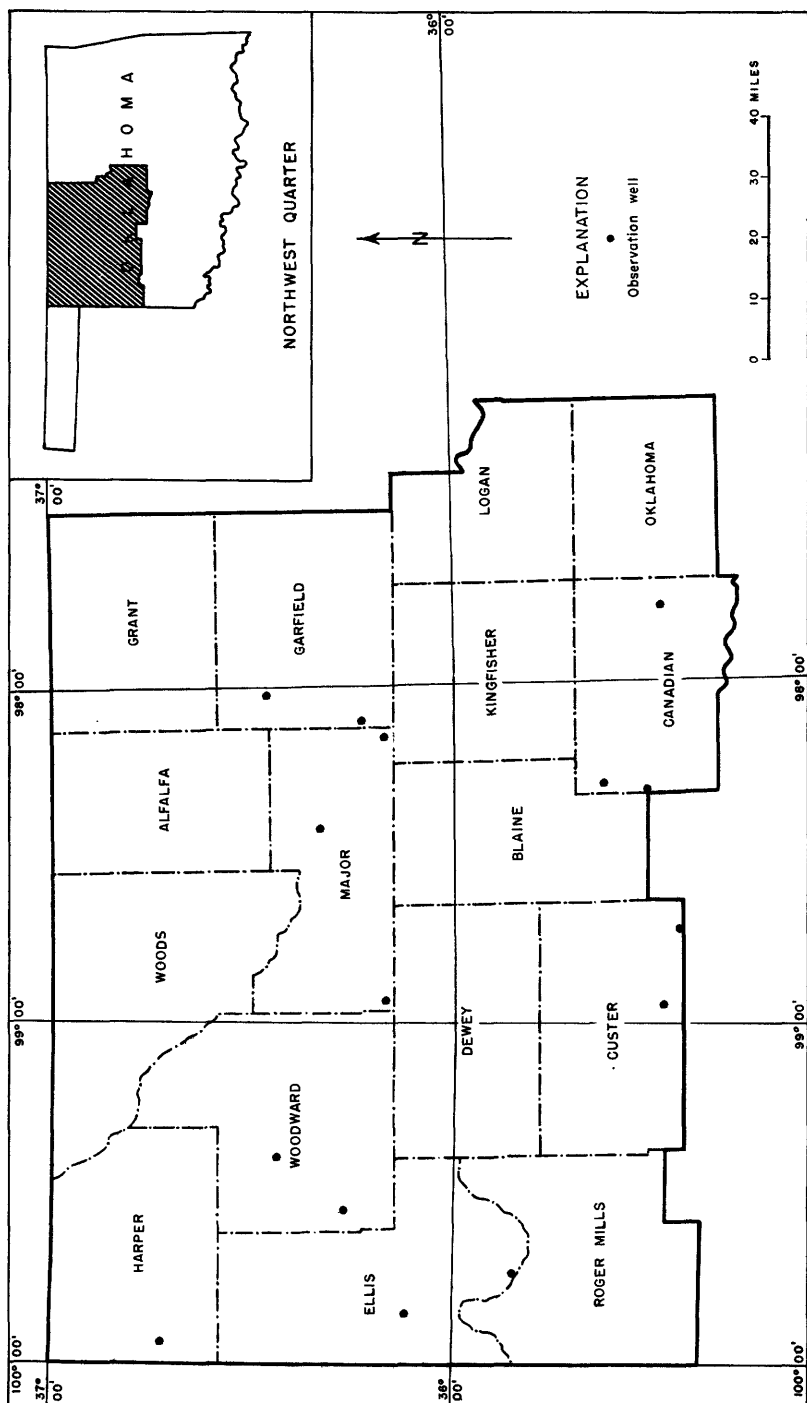


Figure 9. --- Location of observation wells in northwestern Oklahoma, 1956-59.



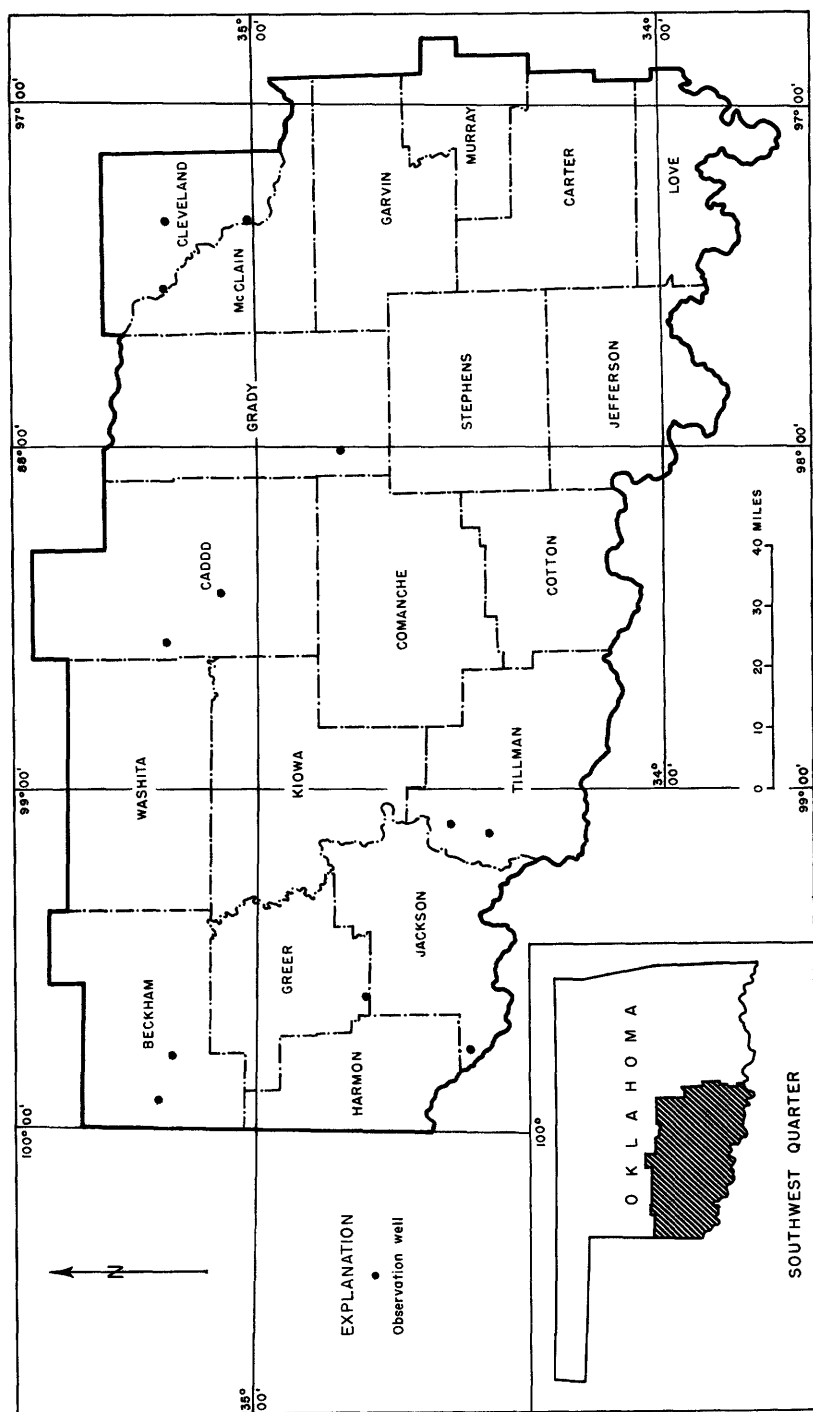


Figure 10. --Location of observation wells in southwestern Oklahoma, 1956-59.

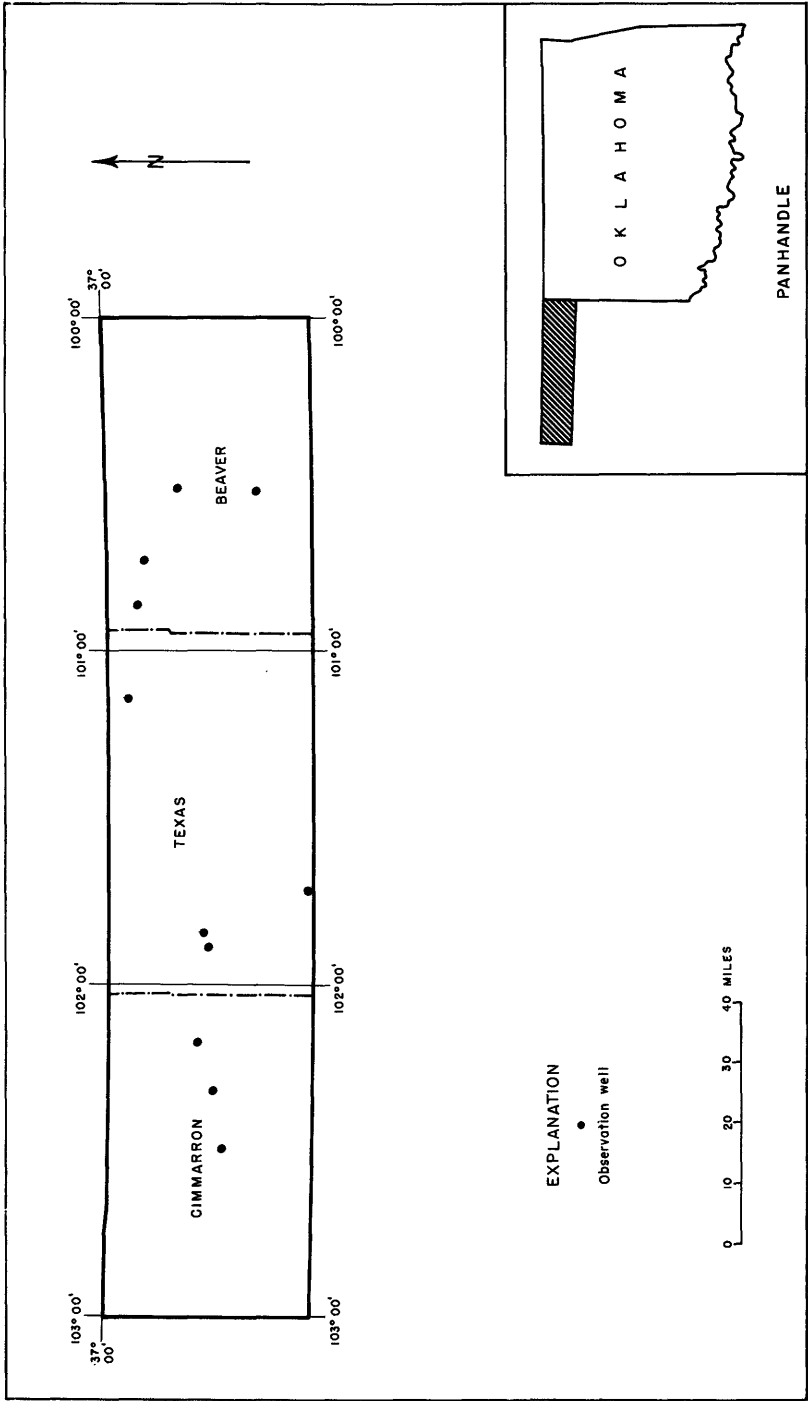


Figure 11. ---Location of observation wells in Oklahoma Panhandle, 1956-59.

## 4N24E-7-3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 7, 1956	17.51	June 27, 1957	15.26	Apr. 30, 1958	15.40	Feb. 28, 1959	15.09
14	17.49	July 30	15.97	May 30	15.48	Mar. 27	15.07
21	17.44	Aug. 27	16.94	June 30	15.55	Apr. 30	14.90
28	17.42	Sept. 27	17.11	July 30	15.80	May 30	14.90
Jan. 29, 1957	17.32	Oct. 29	17.11	Aug. 30	15.63	June 30	15.65
Feb. 28	17.22	Nov. 26	16.92	Sept. 29	15.98	Aug. 31	16.83
Mar. 30	16.90	Dec. 31	18.21	Oct. 30	16.05	Oct. 31	16.73
Apr. 30	16.38	Jan. 30, 1958	15.67	Jan. 26, 1959	15.34	Nov. 30	16.46
May 28	13.63	Feb. 28	16.01				

5N20E-2-1. Formerly 576. J. C. Peters. Drilled unused water-table well in Ogallala formation, diam 5 in, depth 171 ft. Lsd 2,773.5 ft above msl. MP southwest edge of casing, 0.50 ft above lsd. Highest water level 140.87 below lsd, Sept. 21, 1959; lowest 160.04 below lsd, Apr. 3, 1939. Records available: 1938-59.

Jan. 3, 1956	144.88	Jan. 25, 1957	142.86	Feb. 26, 1958	141.03	Jan. 30, 1959	141.82
Feb. 2	144.15	Feb. 27	142.48	Mar. 27	142.00	Feb. 28	141.75
29	144.07	Mar. 28	142.76	Apr. 28	141.81	Mar. 26	141.56
Mar. 9	144.02	Apr. 29	142.60	May 28	141.48	Apr. 24	140.98
21	143.78	May 28	142.53	June 26	142.23	May 29	141.46
Apr. 10	143.33	June 6	142.25	July 24	141.73	June 23	141.25
May 11	143.17	July 23	142.57	Aug. 28	141.98	July 22	141.12
June 11	142.96	Aug. 23	142.54	Aug. 21	142.01	Aug. 27	141.07
July 19	143.04	Sept. 23	142.63	Sept. 24	141.53	Sept. 21	140.87
Aug. 15	143.48	Oct. 30	142.14	Oct. 29	141.86	Oct. 27	141.13
Sept. 11	143.14	Nov. 27	142.07	Nov. 24	141.75	Nov. 30	140.94
Nov. 28	142.84	Jan. 22, 1958	141.90	Dec. 23	142.12	Dec. 28	140.89
Dec. 20	144.48						

5N21E-12-1. Formerly 591. A. J. Isaac. Drilled unused water-table well in Ogallala formation, diam 5 in, depth 208 ft. Lsd 2,705.2 ft above msl. MP north edge of casing, 1.00 ft above lsd. Highest water level 181.53 below lsd, Nov. 24, 1958; lowest 192.41 below lsd, Nov. 26, 1938. Records available: 1938-59.

Jan. 3, 1956	184.38	Sept. 11, 1956	184.99	Jan. 15, 1958	186.96	Jan. 19, 1959	184.57
Feb. 2	184.52	Oct. 5	185.07	Feb. 12	186.88	Feb. 20	184.52
29	185.04	Nov. 19	185.84	Mar. 27	184.55	Apr. 17	184.26
Mar. 9	184.75	Dec. 20	185.14	Apr. 14	184.25	May 11	183.96
21	184.38	Jan. 23, 1957	185.04	May 28	184.33	July 14	187.89
Apr. 10	184.66	Feb. 27	185.02	June 10	184.37	Aug. 27	185.79
May 11	186.18	May 31	183.73	July 21	184.44	Oct. 13	183.77
June 11	185.03	July 16	184.55	Sept. 17	185.08	Nov. 9	183.99
July 19	185.53	Sept. 23	184.48	Nov. 24	181.53	Dec. 28	183.73
Aug. 15	184.86	Oct. 30	184.58	Dec. 17	186.42		

## Beckham County

8N24W-2-1. Formerly 10. Mrs. C. E. Waters. Dug unused water-table well in terrace deposits, diam 6 ft, depth 29 ft. MP east side of 18-in hole near tie-down rings, at lsd. Highest water level 16.70 below lsd, Mar. 3, 1952; lowest dry Feb. 27, Apr. 3, 1957. Records available: 1952-59.

Feb. 1, 1956	25.18	Jan. 24, 1957	29.33	Jan. 29, 1958	28.68	Feb. 24, 1959	28.22
22	25.25	Feb. 27	(f)	Feb. 26	28.62	Mar. 24	28.63
Mar. 21	25.41	Apr. 3	(f)	Mar. 26	28.70	Apr. 21	28.49
Apr. 25	25.99	May 8	28.64	Apr. 22	28.60	May 19	28.69
May 23	26.66	29	26.60	May 20	29.26	June 23	27.55
June 27	26.97	June 26	25.75	July 23	28.87	July 21	27.24
July 25	27.49	July 24	25.71	Aug. 27	27.60	Aug. 25	27.83
Aug. 29	28.12	Aug. 28	28.28	Sept. 24	27.82	Sept. 22	28.39
Sept. 19	28.63	Oct. 1	29.72	Oct. 29	28.18	Oct. 20	27.23
Oct. 31	29.30	30	28.62	Nov. 20	28.39	Nov. 20	26.90
Nov. 28	29.00	Nov. 20	28.57	Jan. 7, 1959	28.07	Dec. 21	26.64
Dec. 19	28.88	Dec. 18	28.37	27	28.60		

f Dry.

9N25W-19-3. Formerly 35. Owner unknown. Drilled unused water-table well in terrace deposits, diam 6 in, depth 36 ft. MP east edge of casing, 2.00 ft above lsd. Highest water level 17.96 below lsd, May 7, 1952; lowest 23.72 below lsd, Nov. 28, 1956. Records available: 1951-59.

## 9N25W-19-3---Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1951	18.25	Mar. 2, 1954	21.25	Feb. 22, 1956	22.08	Jan. 29, 1958	23.06
Apr. 9, 1952	18.36	24	20.86	Mar. 21	22.01	Feb. 26	22.62
May 7	17.96	Apr. 28	20.87	Apr. 25	21.90	Mar. 26	22.93
June 3	18.10	May 26	20.80	May 23	21.94	Apr. 23	22.55
July 1	18.60	June 21	19.58	June 27	22.74	May 21	22.76
Aug. 5	18.70	July 21	19.57	July 25	22.66	June 25	22.97
Sept. 9	19.38	Aug. 24	20.53	Aug. 29	23.00	July 24	22.90
Oct. 3	19.71	Sept. 22	21.29	Sept. 19	23.34	Aug. 27	23.00
Nov. 7	20.02	Oct. 27	21.90	Oct. 31	23.70	Sept. 24	23.28
Dec. 2	19.95	Dec. 1	22.38	Nov. 28	23.72	Oct. 29	23.53
Jan. 3, 1953	20.32	Jan. 5, 1955	22.07	Dec. 19	23.71	Nov. 20	23.66
Feb. 3	20.15	26	22.30	Jan. 24, 1957	23.57	Jan. 7, 1959	23.30
Mar. 3	19.90	Feb. 23	22.19	Feb. 27	23.54	27	23.35
Apr. 2	19.91	Mar. 24	22.23	Apr. 3	23.28	Feb. 24	23.24
May 1	19.87	Apr. 28	22.00	May 8	23.07	Mar. 24	22.87
June 2	20.07	May 26	21.57	29	22.02	Apr. 21	23.10
July 2	20.44	June 29	21.00	June 26	21.20	May 19	22.63
Aug. 4	20.96	July 28	21.14	July 24	21.40	July 21	22.48
Sept. 3	21.12	Aug. 25	21.40	Aug. 28	22.17	Aug. 25	21.70
Oct. 1	21.56	Sept. 28	21.95	Oct. 1	22.98	Sept. 22	20.79
Nov. 3	21.60	Oct. 26	21.86	30	23.29	Oct. 20	20.75
Dec. 8	22.28	Nov. 30	22.18	Nov. 20	23.32	Nov. 20	20.52
Jan. 5, 1954	21.37	Dec. 27	22.05	Dec. 18	23.10	Dec. 21	20.79
Feb. 2	21.29	Feb. 1, 1956	22.13				

## Bryan County

6S9E-20-1. City of Durant. Drilled unused artesian well in Trinity sand, diam 11 in, depth 663 ft. Lsd 593½ ft above msl. MP southeast edge of casing, 1.00 ft above lsd. Highest water level 57.94 below lsd, Dec. 8, 1959; lowest 72.00 below lsd, Dec. 1, 1953. Records available: 1953-59.

Dec. 1, 1953	72.00	June 28, 1954	71.53	May 31, 1955	70.69	Apr. 6, 1957	68.06
28	71.91	Oct. 24	70.91	June 30	70.61	Dec. 30	66.06
Jan. 28, 1954	71.85	Nov. 26	70.85	July 31	70.58	May 23, 1958	62.50
Feb. 25	71.77	Jan. 27, 1955	70.82	Aug. 28	71.06	Dec. 22	71.77
Mar. 29	71.78	Feb. 27	70.78	Sept. 25	70.52	May 14, 1959	59.55
Apr. 25	71.65	Mar. 28	70.76	Dec. 17	70.46	Dec. 8	57.94
May 27	71.62	May 1	70.72	Mar. 25, 1956	70.22		

## Caddo County

7N12W-2-1. Formerly 1. P. C. Haun. Drilled unused water-table well in Rush Springs sandstone, diam 6 in, depth 64 ft. MP east edge of casing, 0.50 ft above lsd. Highest water level 47.93 below lsd, Mar. 30, 1948; lowest 57.23 below lsd, Oct. 19, 1957. Records available: 1945-58. Well caved in October 1958; measurement discontinued.

Jan. 7, 1956	55.67	Apr. 14, 1956	55.54	Aug. 11, 1956	56.13	July 23, 1957	57.20
21	55.50	21	55.80	Sept. 15	56.16	Aug. 17	57.17
28	55.38	28	55.68	Oct. 13	56.25	Sept. 27	57.19
Feb. 4	55.52	May 5	55.75	20	56.38	Oct. 19	57.23
11	55.45	12	55.85	Nov. 3	56.70	Nov. 23	56.95
18	55.60	19	55.89	Dec. 15	56.50	Dec. 30	56.82
25	55.75	26	55.89	Jan. 12, 1957	56.42	Jan. 30, 1958	56.75
Mar. 3	55.93	June 2	55.97	Feb. 9	56.50	Mar. 25	56.70
10	55.52	9	56.01	Mar. 7	56.70	Apr. 28	56.63
17	55.74	16	55.85	Apr. 6	56.62	June 3	56.46
24	55.82	23	55.99	May 19	56.90	30	56.66
31	55.53	30	55.42	June 15	57.00	Aug. 6	56.83
Apr. 7	55.92	July 14	56.06				

9N13W-28-1. Formerly 14. U.S. Geol. Survey. Drilled observation water-table well in Rush Springs sandstone, diam 8 in, depth 335 ft, cased to 9. MP east edge of steel casing, 2.00 ft above lsd. Highest water level 34.71 below lsd, Aug. 1, 13, 1949; lowest 41.43 below lsd, Jan. 12, 1957. Records available: 1948-59.

## 9N13W-28-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1956	40.13	Jan. 12, 1957	41.43	Dec. 30, 1957	39.63	Jan. 9, 1959	40.40
Feb. 25	40.29	Feb. 9	40.67	Jan. 30, 1958	39.84	Feb. 11	40.49
Mar. 31	40.12	Mar. 9	40.80	Mar. 25	39.98	Mar. 6	40.43
Apr. 28	40.29	Apr. 14	41.00	Apr. 28	40.06	Apr. 9	40.47
May 26	40.36	May 19	40.63	June 3	40.16	May 12	40.57
June 30	40.07	June 15	40.34	30	39.93	June 12	40.44
July 28	40.16	July 23	39.72	Aug. 6	40.06	July 8	40.45
Sept. 1	40.40	Aug. 17	39.68	Sept. 4	40.24	Aug. 10	40.21
29	40.43	Sept. 27	39.64	Oct. 10	40.36	Sept. 10	40.37
Oct. 20	40.49	Oct. 19	39.64	Nov. 10	40.29	Oct. 7	39.90
Nov. 3	40.63	Nov. 23	39.53	Dec. 4	40.06	Nov. 5	39.67
Dec. 15	40.66						

Canadian County

12N5W-8-4. Formerly G6. U. S. Geol. Survey. Drilled observation water-table well in alluvium of North Canadian River, diam  $1\frac{1}{4}$  in, depth 12 ft, cased to 12, screened 9-12. Lsd 1, 262.14 ft above msl. MP top east edge of casing, 2.00 ft above lsd. Highest water level 3.50 below lsd, Feb. 25, 1946; lowest dry, Nov. 28, Dec. 22, 1954. Records available: 1942-59.

Feb. 29, 1956	9.20	Dec. 29, 1956	10.90	Mar. 18, 1957	11.37	Sept. 13, 1958	6.51
Mar. 28	9.31	Feb. 20, 1957	11.13	21	11.36	Dec. 20	8.28
Apr. 21	9.44	Mar. 5	11.32	Apr. 30	9.74	Mar. 10, 1959	8.30
May 30	9.86	6	11.27	Sept. 17	8.10	May 12	6.93
June 25	9.88	8	11.25	Dec. 30	8.28	June 10	7.40
Sept. 22	11.40	11	11.35	Mar. 21, 1958	7.59	Sept. 8	8.66
Nov. 3	10.96	14	11.36	May 27	7.34	Dec. 4	4.08
23	10.95						

12N11W-1-1. Formerly 101. U. S. Geol. Survey. Driven observation water-table well in alluvium of South Canadian River, diam  $1\frac{1}{4}$  in, depth 15 ft, cased to 15. MP top of casing, 1.00 ft above lsd. Highest water level 7.52 below lsd, Dec. 21, 1959; lowest 11.50 below lsd, Nov. 1, 1956. Records available: 1955-59.

Feb. 2, 1956	9.74	Jan. 25, 1957	11.03	Jan. 29, 1958	10.30	Jan. 27, 1959	9.77
23	9.50	Feb. 28	10.90	Feb. 26	9.89	Feb. 25	9.71
Mar. 22	9.61	Apr. 1	10.47	Mar. 26	9.55	Mar. 25	9.55
Apr. 26	9.77	May 9	8.70	Apr. 23	9.12	Apr. 22	9.29
May 24	9.02	30	8.12	May 21	9.40	May 20	9.10
June 28	10.16	June 27	8.35	June 25	8.88	June 24	8.70
July 26	10.68	July 25	9.75	July 24	8.84	July 22	9.04
Aug. 30	11.27	Aug. 29	10.39	Aug. 27	9.13	Aug. 26	9.70
Sept. 20	11.43	Oct. 2	10.53	Sept. 29	9.45	Sept. 22	9.29
Nov. 1	11.50	31	10.35	Oct. 29	9.94	Oct. 21	7.85
29	11.25	Nov. 20	10.15	Nov. 20	9.94	Nov. 20	8.28
Dec. 20	11.17	Dec. 18	10.03	Jan. 7, 1959	9.86	Dec. 21	7.52

14N10W-17-1. Formerly RFC4. U. S. Geol. Survey. Driven observation water-table well in alluvium of North Canadian River, diam  $\frac{3}{4}$  in, depth 12 ft, cased to 12, screened 10-12. Lsd 1, 412.32 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 0.44 below lsd, July 9, 1951; lowest 9.14 below lsd, Dec. 15, 1939. Records available: 1939-59.

Nov. 3, 1956	6.81	Mar. 11, 1957	4.98	Sept. 17, 1957	4.05	Mar. 10, 1959	3.72
23	7.03	14	4.84	Dec. 30	3.99	May 12	3.14
Dec. 31	6.96	18	5.92	Mar. 21, 1958	2.80	June 10	3.57
Feb. 21, 1957	7.11	21	4.85	May 27	4.13	Sept. 8	5.94
Mar. 4	7.25	29	4.78	Dec. 20	4.43	Dec. 4	3.94
6	6.45	Apr. 30	1.88				

Choctaw County

6S17E-22. Formerly 1. Wortham's Bakery. Drilled unused artesian well in sand of Trinity group, diam 8 in, depth 282 ft. MP north edge of casing, at lsd. Highest water level 110.92 below lsd, Dec. 17, 1955 (previously reported 111.05 below lsd, Dec. 21, 1944); lowest 129.62 below lsd, July 31, 1954. Records available: 1944, 1950-55, 1957-59. Apr. 6, 1957, 120.38; Dec. 31, 119.56; May 29, 1958, 120.06; Dec. 22, 121.68; Mar. 14, 1959, 124.77; Dec. 8, 120.80.

Cimarron County

3N5E-14-1. Formerly 276. Atchison, Topeka & Santa Fe RR. Drilled stock water-table well in Ogallala formation, diam 6 in, depth 163 ft, cased to 153. Lsd 4, 143 ft above msl. MP edge of hole for shut-off lever in iron clamp, 0.50 ft above lsd. Highest water level 133.06 below lsd, May 22, 1952; lowest 139.10 below lsd, June 8, 1954. Records available: 1938-44, 1946-52, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	133.38	Sept. 18, 1956	134.87	Jan. 22, 1958	134.72	Jan. 15, 1959	134.26
23	133.42	Oct. 4	134.70	Feb. 24	135.31	Feb. 3	135.12
Feb. 14	133.35	Nov. 7	134.12	Mar. 25	134.84	Apr. 16	135.14
Mar. 6	133.38	Dec. 17	134.78	Apr. 24	134.78	May 20	135.50
19	133.47	Jan. 17, 1957	134.30	May 26	134.79	June 9	134.94
Apr. 12	133.43	May 28	134.43	June 18	134.74	July 21	135.54
May 9	133.72	July 10	134.18	July 23	134.86	Aug. 24	135.12
June 12	134.96	Oct. 2	134.96	Nov. 20	134.58	Oct. 13	135.08
July 23	133.74	Nov. 12	134.70	Dec. 8	135.59	Nov. 13	135.53
Aug. 13	136.48						

3N7E-9-2. Formerly 313. E. J. Behrendt. Drilled unused water-table well in Ogallala formation, diam 6 in, depth 61 ft, perforated 41-61. Lsd 3,954.0 ft above msl. MP edge of hole in tin cover over casing, 0.50 ft above lsd. Highest water level 32.05 below lsd, Oct. 13, 1959; lowest 46.96 below lsd, Jan. 23, 1941. Records available: 1938-59.

Jan. 10, 1956	36.15	Sept. 18, 1956	36.16	Jan. 21, 1958	35.87	Jan. 15, 1959	32.95
23	36.24	Oct. 4	36.87	Feb. 25	36.85	Feb. 3	33.28
Feb. 14	36.06	Nov. 8	37.83	Mar. 25	36.03	Apr. 16	32.70
Mar. 6	35.99	Dec. 17	38.16	Apr. 24	36.59	May 20	32.72
20	36.02	Jan. 18, 1957	37.95	May 26	36.28	June 9	32.87
Apr. 12	36.07	Mar. 8	36.68	June 18	36.34	July 21	32.34
May 9	36.60	May 28	36.99	July 23	36.29	Aug. 24	33.03
June 12	36.49	July 10	37.72	Sept. 29	34.06	Oct. 13	32.05
July 23	36.23	Oct. 2	36.48	Nov. 20	34.14	Nov. 13	32.12
Aug. 13	36.55	Nov. 12	36.41	Dec. 8	33.70		

4N8E-26-1. Formerly 435. B. J. Wiggins. Drilled unused water-table well in Ogallala formation, depth 213 ft, cased to 213. Lsd 3,878.0 ft above msl. MP top of iron clamp, 0.50 ft above lsd. Highest water level 134.37 below lsd, Apr. 5, 1955; lowest 138.45 below lsd, June 12, 1956. Records available: 1938-59.

Jan. 10, 1956	136.17	Sept. 18, 1956	136.66	Jan. 21, 1958	135.94	Jan. 15, 1959	134.63
23	136.08	Oct. 4	136.78	Feb. 24	135.28	Feb. 3	135.24
Feb. 14	136.03	Nov. 13	136.54	Mar. 25	135.86	Apr. 16	134.56
Mar. 6	136.16	Dec. 17	136.67	Apr. 24	135.94	May 20	135.01
19	136.06	Jan. 18, 1957	137.14	May 26	135.54	June 9	134.86
Apr. 12	135.89	Mar. 8	136.74	June 18	135.77	July 21	135.47
May 9	135.94	May 26	135.27	July 23	135.74	Aug. 24	135.69
June 12	138.45	July 10	136.88	Sept. 29	135.25	Oct. 13	135.84
July 23	136.34	Oct. 4	135.90	Nov. 20	135.67	Nov. 13	135.81
Aug. 13	138.09	Nov. 12	135.74	Dec. 8	135.48		

Cleveland County

6N1W-6-1. Formerly 15. U.S. Geol. Survey. Drilled observation water-table well in alluvium of South Canadian River, diam 1½ in, depth 23 ft, screened 21-23. Lsd 1,034.0 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 2.97 below lsd, June 24, 1947; lowest 12.17 below lsd, Sept. 26, 1956. Records available: 1947-59.

Mar. 25, 1956	8.52	Apr. 30, 1957	9.53	May 21, 1958	5.30	Mar. 31, 1959	7.98
Apr. 29	9.02	June 29	3.58	June 22	5.65	Apr. 28	7.83
June 25	9.75	July 25	6.03	July 29	7.02	May 29	6.58
July 25	10.44	Sept. 28	6.07	Aug. 25	7.78	June 29	7.54
Sept. 26	12.17	Oct. 21	6.37	Sept. 24	7.80	July 24	7.49
Oct. 24	11.97	Nov. 25	5.33	Oct. 21	8.47	Aug. 28	8.47
Nov. 30	11.57	Dec. 26	5.57	Nov. 22	8.40	Sept. 29	7.40
Dec. 20	11.57	Jan. 24, 1958	3.23	Dec. 21	9.75	Oct. 28	6.58
Jan. 31, 1957	11.03	Feb. 22	5.87	Jan. 22, 1959	10.08	Dec. 2	6.37
Feb. 28	7.99	Mar. 22	5.85	Feb. 20	8.14	30	5.61
Mar. 27	10.95	Apr. 25	5.30				

9N1W-30-1. Formerly 5. F. W. Goldsby. Drilled unused artesian well in Garber sandstone, diam 8 to 7 in, depth 400 ft, perforated 250-345, 355-400. Lsd 1, 174.0 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 129.33 below lsd, Dec. 6, 1941; lowest 156.42 below lsd, Oct. 24, 1956. Records available: 1940-59.

## Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	150.81	150.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	150.95	150.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	150.71	150.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	150.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	150.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	150.78	.....	.....	.....	150.72	.....	152.40	.....	.....	.....	156.10	.....

## 1957

5	.....	.....	.....	.....	152.98	150.43	149.15	150.25	151.59	151.30	151.37	150.45
10	.....	.....	.....	154.28	152.52	150.06	149.19	150.43	151.79	151.41	151.31	150.69
15	.....	.....	.....	154.18	152.11	149.84	149.25	.....	151.70	151.19	150.79	150.46
20	.....	.....	.....	154.02	.....	.....	149.42	.....	151.63	151.44	150.71	150.38
25	.....	.....	154.51	153.65	151.33	149.31	149.66	151.08	151.53	151.48	150.64	150.36
Eom	.....	154.60	.....	.....	151.02	149.10	149.83	151.33	151.38	151.27	150.70	150.23

## 1958

5	150.41	149.46	149.31	149.21	149.14	148.85	149.29	150.31	151.89	152.85	152.96	153.14
10	152.12	149.50	149.39	149.43	148.90	148.86	149.45	150.52	.....	153.07	152.98	153.06
15	150.16	149.48	149.34	149.40	148.90	149.11	149.58	.....	.....	152.91	152.89	153.04
20	.....	149.44	.....	149.29	148.76	149.11	149.68	.....	.....	152.90	153.17	152.95
25	149.69	149.25	.....	149.34	148.66	149.09	.....	151.33	152.71	153.03	153.13	152.93
Eom	149.63	.....	.....	149.29	148.58	149.11	149.99	151.56	152.95	153.03	153.29	153.04

## 1959

5	153.09	152.56	152.44	152.61	151.95	151.51	151.50	150.95	151.90	151.78	151.89	152.22
10	152.98	152.52	152.34	152.72	151.71	151.45	151.44	151.07	152.07	151.50	151.60	152.10
15	152.78	152.54	152.57	152.57	151.79	151.59	151.35	151.17	152.17	151.45	151.75	151.99
20	152.52	152.69	152.54	152.40	151.61	151.69	151.11	151.39	152.21	151.47	151.81	151.82
25	152.53	152.56	152.46	152.14	151.55	151.70	150.99	151.61	.....	151.46	151.86	151.61
Eom	152.57	.....	152.50	152.01	151.50	151.66	151.02	151.75	152.16	151.70	152.14	151.46

## h Tape measurement.

9N3W-29-1. Formerly 14. U.S. Geol. Survey. Drilled observation water-table well in alluvium, diam 1½ in, depth 12 ft, screened 10-12. MP top of casing, 2.20 ft above lsd. Highest water level 0.57 below lsd, June 23, 1958; lowest 11.60 below lsd, Jan. 24, 1957. Records available: 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29, 1956	9.09	Mar. 28, 1957	10.54	Mar. 21, 1958	3.43	Feb. 20, 1959	6.92
Mar. 28	9.12	Apr. 29	9.00	Apr. 28	3.31	Mar. 31	6.88
Apr. 28	9.20	May 22	4.90	May 20	2.79	Apr. 28	6.86
May 30	8.84	June 29	0.98	June 23	0.57	May 29	5.32
June 25	8.87	July 25	3.00	July 29	4.13	June 29	5.53
July 27	9.25	Sept. 17	3.22	Aug. 25	4.62	July 24	2.83
Sept. 26	10.00	Oct. 21	4.35	Sept. 24	4.81	Aug. 28	4.74
Oct. 26	10.27	Nov. 18	3.60	Oct. 21	4.64	Sept. 29	4.08
Nov. 16	10.25	Dec. 26	4.30	Nov. 22	6.27	Oct. 28	3.54
Jan. 24, 1957	11.60	Jan. 29, 1958	4.20	Dec. 21	7.29	Dec. 2	3.72
Feb. 26	10.61	Feb. 22	4.08	Jan. 30, 1959	6.82	30	2.75

## Custer County

12N14W-31-2. Casper Amen. Drilled unused water-table well in Rush Springs sandstone, diam 7 in, depth 145 ft. MP top north edge of casing, 0.30 ft above lsd. Highest water level 123.06 below lsd, July 19, 1951; lowest 126.35 below lsd, Aug. 11, 1956. Records available: 1951-59.

July 19, 1951	123.06	Jan. 4, 1953	123.90	Apr. 3, 1953	124.10	June 26, 1953	124.56
Oct. 11, 1952	123.56	10	123.70	10	124.16	July 3	124.52
18	123.86	17	123.60	17	123.56	10	124.80
26	123.57	24	123.92	24	123.70	17	124.65
Nov. 1	123.33	30	123.80	May 1	123.79	24	124.43
8	123.26	Feb. 7	123.91	8	124.14	31	124.52
15	123.23	14	123.80	15	124.07	Aug. 7	124.56
21	123.50	21	124.24	22	124.03	Feb. 12, 1954	124.98
29	123.80	28	123.77	30	124.24	Mar. 12	124.22
Dec. 6	123.43	Mar. 7	124.14	June 5	124.28	Apr. 9	125.12
13	123.86	14	123.60	12	124.42	May 14	125.14
27	123.97	21	123.38	19	124.20	June 11	124.90

## 12N14W-31-2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 9, 1954	125.15	Nov. 12, 1955	125.08	Jan. 23, 1957	125.56	Nov. 10, 1958	124.35
13	125.58	Dec. 10	125.43	July 23	125.24	Dec. 4	123.60
Sept. 10	125.66	Feb. 11, 1956	125.45	Aug. 17	125.23	Jan. 9, 1959	124.78
Oct. 15	125.64	Mar. 10	124.65	Sept. 27	125.16	Feb. 11	124.60
Nov. 12	125.76	Apr. 14	124.40	Oct. 19	125.10	Mar. 6	124.36
Dec. 17	125.49	May 12	124.81	Nov. 23	124.72	Apr. 9	124.66
Jan. 14, 1955	125.10	June 9	125.08	Dec. 30	123.92	May 12	124.58
Mar. 11	124.97	July 14	125.27	Jan. 30, 1958	124.46	June 12	124.56
Apr. 15	125.26	Aug. 11	126.35	Mar. 25	124.36	July 8	124.59
June 10	125.45	Sept. 15	125.30	June 3	124.30	Aug. 10	124.49
July 15	125.52	Oct. 13	125.52	30	124.13	Sept. 10	124.85
Aug. 12	125.64	20	125.53	Aug. 6	124.26	Oct. 7	124.04
Sept. 10	125.54	Nov. 27	125.39	Sept. 4	124.36	Nov. 5	124.73
Oct. 15	125.21	Dec. 22	124.78	Oct. 10	124.61		

12N17W-13-2. U. S. Geol. Survey. Bored observation water-table well in alluvium, diam  $1\frac{1}{4}$  in, depth 19 ft, cased to 19. MP top of casing, 2.50 ft above lsd. Highest water level 8.64 below lsd, Oct. 21, 1959; lowest 14.72 below lsd, Apr. 19, 1955. Records available: 1954-59.

June 7, 1954	12.52	May 24, 1956	12.33	Aug. 29, 1957	11.81	Oct. 29, 1958	13.26
Dec. 3	14.52	June 28	11.86	Oct. 2	12.22	Nov. 20	13.37
Apr. 19, 1955	14.72	July 26	12.37	31	12.42	Jan. 7, 1959	13.52
June 11	12.29	Aug. 30	12.77	Nov. 20	12.55	28	13.57
28	12.52	Sept. 20	13.08	Dec. 18	12.69	Feb. 25	13.63
July 28	12.76	Nov. 1	13.35	Jan. 29, 1958	12.82	Apr. 22	12.43
Aug. 25	13.20	28	13.50	Feb. 26	12.80	May 20	13.23
Sept. 27	13.67	Dec. 20	13.40	Mar. 26	12.80	June 24	9.10
Oct. 27	9.10	Jan. 24, 1957	13.64	Apr. 23	12.45	July 21	10.10
Dec. 1	10.46	Feb. 28	14.32	May 21	12.90	Aug. 26	8.98
27	11.09	May 9	11.90	June 25	12.00	Sept. 23	10.22
Feb. 2, 1956	11.63	30	10.55	July 24	12.23	Oct. 21	8.64
22	11.70	June 27	10.40	Aug. 27	12.75	Nov. 20	9.78
Mar. 22	12.02	July 25	11.13	Sept. 24	13.00	Dec. 21	9.49
Apr. 26	12.23						

## Ellis County

16N24W-10-3. U. S. Geol. Survey. Driven observation water-table well in alluvium, diam  $1\frac{1}{4}$  in, depth 24 ft, cased to 24, screened 21-24. MP top of casing, 3.30 ft above lsd. Highest water level 9.48 below lsd, June 9, 1954; lowest 16.70 below lsd, Oct. 13, 1953. Records available: 1953-55, 1957-58. June 24, 1953, 13.70; Oct. 13, 1954, 9.48; Dec. 3, 1954, 16.64; June 11, 1955, 10.84; June 6, 1957, 9.83; June 16, 1958, 12.55. No measurement made in 1956 or 1959.

19N25W-10-1. Formerly 4. J. Q. Tefertiller. Drilled stock water-table well in Ogallala formation, diam 6 in, depth 42 ft, cased to 42. MP top of casing, 0.99 ft above lsd. Highest water level 24.66 below lsd, Oct. 27, 1951; lowest 29.96 below lsd, June 10, 1955. Records available: 1946-55, 1957-58. June 6, 1957, 26.97; June 16, 1958, 25.97. No measurement made in 1956 or 1959.

## Garfield County

23N7W-18-1. Formerly 18. City of Enid. Drilled observation water-table well in terrace deposits, diam 2 in, depth 72 ft, cased to 72. MP top of casing, at lsd. Highest water level 55.62 below lsd, Oct. 29, 1951; lowest 63.39 below lsd, Oct. 31, 1957. Records available: 1950-59.

Feb. 23, 1956	60.32	Mar. 1, 1957	60.64	Jan. 30, 1958	63.26	Jan. 29, 1959	60.21
Mar. 22	60.20	Apr. 8	60.67	Feb. 26	61.82	Feb. 26	60.10
Apr. 26	60.22	May 9	61.08	Mar. 26	60.85	Mar. 26	60.00
May 24	60.22	31	61.72	Apr. 23	60.46	Apr. 23	59.93
June 28	60.31	June 27	62.46	May 22	61.28	May 21	59.88
July 26	60.51	July 25	62.88	June 26	61.19	June 25	59.83
Aug. 30	61.00	Aug. 29	63.18	July 24	60.69	July 24	59.80
Sept. 20	61.08	Oct. 2	63.34	Aug. 28	60.43	Aug. 27	59.77
Nov. 1	60.67	31	63.39	Sept. 19	60.36	Oct. 22	59.66
29	60.68	Nov. 20	63.38	Oct. 31	60.27	Nov. 24	59.60
Dec. 20	60.89	Dec. 18	63.34	Nov. 21	60.23	Dec. 16	59.10
Feb. 8, 1957	60.35						



Grady County

4N8W-33-1. Formerly 66. U. S. Geol. Survey. Drilled observation water-table well in Rush Springs sandstone, diam 7 in, depth 254 ft, cased to 40. MP top of casing, 3.28 ft above lsd (since Aug. 20, 1958). Highest water level 79.68 below lsd, Oct. 20, Nov. 12, 1951; lowest 85.80 below lsd, Aug. 31, 1959. Records available: 1948-59.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	83.13	.....	83.16	83.31	83.35	83.49	83.67	.....	83.89	83.98	84.10	84.14
10	83.31	.....	83.36	83.37	83.38	83.55	83.74	.....	83.80	84.01	84.01	84.04
15	83.23	.....	83.40	83.37	83.51	83.48	83.63	.....	83.80	84.03	84.26	84.25
20	.....	83.39	83.28	83.47	83.43	83.51	83.67	.....	83.90	84.04	84.21	84.15
25	.....	83.41	83.32	83.36	83.47	83.53	83.69	83.78	83.93	84.11	84.16	84.26
Eom	.....	83.34	83.21	83.44	83.44	83.53	.....	83.72	83.95	84.05	84.13	84.14

1957

5	84.29	84.34	84.27	84.40	84.49	83.96	.....	.....	82.12	81.85	81.63	81.30
10	84.49	84.37	84.32	84.48	84.34	83.83	.....	.....	82.04	81.86	81.68	81.64
15	84.36	84.42	84.41	84.46	84.28	.....	.....	.....	81.97	81.71	81.63	.....
20	84.14	84.35	84.33	84.36	84.16	82.49	.....	.....	.....	.....	81.65	.....
25	.....	84.20	84.45	84.44	84.23	.....	82.67	.....	81.88	81.77	81.51	.....
Eom	.....	.....	84.26	84.37	84.14	83.34	.....	82.19	81.85	81.59	81.64	.....

1958

5	.....	81.26	.....	81.26	81.28	81.25	81.21	81.04	81.00	81.03	81.13	.....
10	81.34	.....	.....	81.34	81.22	81.13	81.15	81.04	80.99	81.18	81.10	.....
15	81.44	.....	.....	81.30	81.26	81.13	81.20	81.01	81.00	81.06	81.02	.....
20	81.30	.....	.....	81.23	81.24	81.19	81.21	80.99	80.96	81.06	81.16	.....
25	81.30	.....	81.23	81.24	81.24	81.32	.....	80.97	81.09	81.15	.....	81.18
Eom	81.26	.....	81.30	81.26	81.10	81.13	80.97	80.99	81.18	81.13	.....	81.28

1959

5	.....	81.92	81.87	81.92	82.22	82.15	82.26	82.34	82.54	82.66	82.93	82.63
10	.....	81.97	81.82	82.09	82.13	82.08	82.24	82.42	82.70	82.76	82.52	82.41
15	81.22	81.90	82.07	82.07	82.18	82.15	82.29	82.44	82.49	82.65	82.59	82.46
20	81.17	81.97	81.82	81.90	82.15	82.22	82.29	82.49	82.59	82.59	82.55	82.45
25	81.76	81.81	81.81	82.05	82.12	82.15	82.30	82.51	82.50	82.57	82.47	82.31
Eom	81.88	.....	81.89	82.06	82.10	82.21	82.40	85.80	82.69	82.75	82.53	82.40

h Tape measurement.

Greer County

3N23W-16-1. Formerly 12. Ivan Owen. Drilled irrigation artesian well in Dog Creek shale or Blaine gypsum, diam 14 in, reported depth 105 ft, cased to 105. MP hole in pumpbase, near east edge of casing, at lsd. Highest water level 17.53 below lsd, June 25, 1957; lowest 66.47 below lsd, Apr. 20, 1955. Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	34.92	Jan. 22, 1957	41.90	Dec. 17, 1957	24.52	Jan. 9, 1959	33.12
Feb. 21	35.39	Feb. 26	41.61	Jan. 28, 1958	24.90	26	34.65
Mar. 20	35.30	Apr. 4	40.73	Feb. 25	24.76	Feb. 24	35.50
Apr. 24	48.50	May 7	33.90	Mar. 28	24.87	Apr. 21	41.03
May 22	43.89	28	24.06	Apr. 22	24.73	May 19	37.59
June 26	38.38	June 25	17.53	May 20	24.69	June 30	32.50
July 24	42.28	July 23	23.82	June 24	25.88	July 21	38.60
Aug. 28	63.25	Aug. 27	28.03	July 29	26.87	Sept. 22	52.50
Oct. 30	48.20	Oct. 1	26.69	Sept. 23	23.20	Oct. 20	40.67
Nov. 27	43.90	29	25.10	Oct. 27	32.48	Nov. 19	38.44
Dec. 18	42.15	Nov. 19	24.62	Nov. 18	34.40	Dec. 21	37.82

Harmon County

2N25W-21-1. Formerly 8. Oscar Bryant. Drilled irrigation artesian well in Dog Creek shale or Blaine gypsum, reported depth 112 ft. Lsd 1,566.39 ft above msl. MP hole in pumpbase, near west edge of casing, 1.61 ft below lsd. Highest water level 20.27 below lsd, Nov. 16, 1950; lowest 50.07 below lsd, Aug. 28, 1956. Records available: 1950, 1952-59.

Jan. 31, 1956	33.75	Feb. 28, 1957	37.64	Feb. 25, 1958	31.01	Jan. 8, 1959	33.05
Feb. 21	32.39	Apr. 4	36.85	Mar. 25	30.89	27	32.94
May 22	42.66	May 7	34.86	Apr. 22	30.66	Feb. 24	33.06
July 24	37.43	28	31.21	May 30	30.58	Mar. 24	34.20
Aug. 28	50.07	June 25	28.91	June 24	30.15	Apr. 21	37.32
Oct. 30	33.31	July 23	34.61	July 29	31.12	May 19	34.63
Nov. 27	37.31	Oct. 29	31.66	Sept. 30	32.72	Oct. 20	36.47
Dec. 18	39.01	Nov. 19	31.48	Oct. 20	32.51	Nov. 19	36.33
Jan. 23, 1957	37.31	Dec. 17	31.31	Nov. 19	32.91		

Harper County

26N25W-18-1. Formerly 1. G. P. Johnston. Drilled irrigation water-table well in alluvium, diam 19 in, depth 30 ft, cased to 30. MP top of concrete curb, 0.18 ft above lsd. Highest water level 4.40 below lsd, July 9, 1951; lowest 13.06 below lsd, Nov. 27, 1940. Records available: 1940-55, 1957. June 6, 1957, 7.91. Measurement discontinued.

Jackson County

1S25W-13-1. Formerly 29. Wynfred Black. Drilled irrigation artesian well in Dog Creek shale or Blaine gypsum, diam 16 in, reported depth 130 ft, cased to 130. Lsd 1,527.00 ft above msl. MP top of concrete pumpbase, 0.50 ft above lsd. Highest water level 69.12 below lsd, Nov. 19, 1957; lowest 81.45 below lsd, Aug. 28, 1956. Records available: 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	72.13	Dec. 18, 1956	76.14	Feb. 25, 1958	69.87	Jan. 8, 1959	70.62
Feb. 21	73.17	Jan. 23, 1957	76.15	Mar. 25	70.47	27	70.79
Mar. 20	72.25	Feb. 26	76.17	Apr. 22	70.87	Feb. 24	71.06
Apr. 24	75.13	Apr. 4	76.25	May 20	71.23	Mar. 24	69.90
May 22	73.65	May 7	76.37	June 24	71.35	Apr. 21	73.36
June 26	72.65	28	75.42	July 29	71.26	May 19	72.73
July 24	77.02	June 25	72.63	Aug. 25	72.80	June 30	72.91
Aug. 28	81.45	Oct. 1	69.77	Sept. 23	70.91	Sept. 22	74.75
Sept. 18	77.08	29	69.23	Oct. 28	70.90	Oct. 20	74.74
Oct. 30	76.45	Nov. 19	69.12	Nov. 19	70.23	Nov. 19	73.84
Nov. 27	76.10	Dec. 17	69.20				

Kay County

26N2E-26-1. Formerly 1. City of Ponca City well 5. Dug public-supply water-table well in alluvium, diam 30 in, reported depth 38 ft. MP bottom of number at pumpbase opening, 6.70 ft above lsd. Highest water level 2.30 below lsd, July 5, 1951; lowest 29.06 below lsd, Dec. 27, 1954. Records available: 1948-59.

Jan. 5, 1956	c27.49	Sept. 27, 1956	c28.91	June 20, 1957	6.80	Mar. 13, 1958	c13.90
12	c27.48	Oct. 4	c28.90	26	5.95	20	c13.70
19	c27.47	11	c28.87	July 4	5.95	27	c13.50
26	c27.45	18	c28.85	11	5.94	Apr. 3	13.20
Feb. 2	c27.50	25	c28.80	18	5.92	10	12.95
9	c27.62	Nov. 1	c28.75	25	5.90	17	12.80
16	c27.70	8	c28.63	31	c5.89	24	12.52
23	c27.71	15	c28.71	Aug. 8	c7.80	May 1	12.30
Mar. 1	c27.80	22	c28.80	15	c8.55	8	12.10
8	c27.90	28	c28.85	22	c9.30	15	11.90
15	c27.95	Dec. 6	c28.86	29	c9.55	22	11.85
22	c28.05	13	c28.85	Sept. 5	c9.70	28	12.01
29	c28.15	20	c28.80	12	c9.80	June 5	c12.05
Apr. 5	c28.30	26	c28.72	19	c10.05	12	c12.10
12	c28.35	Jan. 3, 1957	c28.75	26	c10.30	19	c12.15
19	c28.40	10	c28.78	Oct. 3	c10.50	26	c11.42
26	c28.47	17	c28.80	10	c10.70	July 3	c11.30
May 3	c28.45	24	c28.82	17	c10.90	10	c9.60
10	c28.43	31	c28.85	24	c11.10	17	c9.90
17	c28.50	Feb. 7	c28.80	31	c11.35	24	c10.16
24	c28.51	14	c28.75	Nov. 7	c11.50	30	c10.10
30	c28.53	21	c28.65	14	c11.70	Aug. 7	c10.05
June 7	c28.65	28	c28.60	21	c11.80	14	c10.20
14	c27.69	Mar. 7	c28.60	28	c11.90	21	c10.30
21	c28.71	14	c28.55	Dec. 5	c12.05	28	c10.70
28	c28.74	21	c28.54	12	c12.30	Sept. 4	c10.30
July 5	c28.74	28	c28.52	19	c12.40	11	c10.40
12	c28.77	Apr. 4	c28.50	26	c12.55	18	c10.50
19	c28.80	11	c28.49	Jan. 2, 1958	c12.65	25	c10.60
26	c28.82	18	c28.40	9	c12.80	Oct. 2	c10.80
Aug. 2	c28.85	25	c28.45	16	c12.95	9	c10.90
9	c28.88	May 2	c28.45	23	c13.05	16	c11.05
16	c28.90	9	c28.44	30	c13.15	23	c11.16
23	c28.92	16	c27.85	Feb. 6	c13.30	30	c11.40
30	c28.95	23	c10.70	13	c13.55	Nov. 6	c11.40
Sept. 6	c28.93	29	c10.28	20	c13.80	13	c11.80
13	c28.92	June 6	9.05	26	c13.90	20	c12.00
20	c28.92	13	7.40	Mar. 6	c14.00	27	c12.13

## 26N2E-26-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 4, 1958	c12.30	Mar. 19, 1959	c13.70	June 25, 1959	c14.05	Oct. 1, 1959	c11.30
11	c12.40	26	c13.63	July 2	c14.00	8	c3.83
18	c12.45	Apr. 2	c13.70	9	c13.50	15	c4.30
25	c12.52	9	c13.65	16	c12.65	22	c4.50
Jan. 1, 1959	c12.70	16	c13.50	23	c11.65	29	c4.80
8	c12.80	23	c13.55	30	c11.55	Nov. 5	c5.00
15	c12.94	30	c13.65	Aug. 6	c11.48	12	c5.52
22	c13.00	May 7	c13.70	13	c11.50	18	c5.80
29	c13.08	14	c13.65	20	c11.45	25	c6.00
Feb. 5	c13.23	21	c13.60	27	c11.55	Dec. 2	c6.40
12	c13.38	28	c13.40	Sept. 3	c11.65	9	c7.00
19	c13.50	June 4	c13.50	10	c11.89	16	c7.20
26	c13.60	11	c13.70	17	c12.00	23	c7.30
Mar. 5	c13.60	18	c13.90	24	c11.66	30	c7.50
12	c13.65						

c Nearby well being pumped.

## Major County

20N9W-26-2. Formerly 16. L. M. Sturgeon. Driven unused water-table well in terrace deposits, diam 1½ in, depth 51 ft, cased to 51. Lsd 1, 214.10 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 16.09 below lsd, June 5, 1951; lowest 25.83 below lsd, Nov. 29, 1954. Records available: 1950-59.

Feb. 3, 1956	22.60	Feb. 8, 1957	22.92	Feb. 27, 1958	17.90	Feb. 27, 1959	17.21
24	22.64	28	23.99	Mar. 27	17.76	Mar. 27	17.34
Mar. 23	22.69	Apr. 9	21.36	Apr. 24	17.75	Apr. 24	17.17
Apr. 27	22.65	May 10	21.40	May 22	17.40	May 22	17.33
May 25	22.58	June 27	19.90	June 26	17.47	June 26	17.54
June 29	21.29	July 25	19.35	July 25	17.28	July 24	17.78
July 27	21.72	Aug. 29	19.35	Aug. 28	16.19	Aug. 28	18.06
Aug. 31	22.30	Oct. 2	19.02	Sept. 19	17.18	Sept. 28	18.18
Sept. 21	22.63	31	19.81	Oct. 31	17.31	Oct. 23	17.30
Nov. 2	23.30	Nov. 21	18.77	Nov. 21	17.96	Nov. 24	16.84
30	23.60	Dec. 19	18.07	Jan. 9, 1959	17.26	Dec. 16	16.63
Dec. 21	23.74	Jan. 30, 1958	17.87	30	17.28		

20N16W-28-2. Formerly 5. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diam 1½ in, depth 26 ft, cased to 26. MP top edge of casing, 1.20 ft above lsd. Highest water level 9.49 below lsd, July 9, 1951; lowest dry, Aug. 8, Oct. 13, 1952. Records available: 1951-55, 1957. May 17, 1957, 13.17; Nov. 20, 12.43.

22N11W-32-11. Formerly 23. City of Fairview. Drilled unused water-table well in terrace deposits, diam 12 in, depth 36 ft, cased to 36. Lsd 1, 264.70 ft above msl. MP north edge of casing, 3.00 ft above lsd. Highest water level 18.95 below lsd, Oct. 3, 1957; lowest 25.96 below lsd, Apr. 26, 1956. Records available: 1950-59.

Feb. 2, 1956	25.26	Feb. 8, 1957	23.73	Feb. 26, 1958	23.99	Jan. 29, 1959	24.12
23	24.70	Mar. 1	23.53	Mar. 26	24.27	Feb. 26	24.95
Mar. 22	25.60	Apr. 9	23.43	Apr. 23	24.79	Mar. 26	25.11
Apr. 26	25.96	May 9	23.25	May 21	24.97	Apr. 24	25.68
May 24	25.59	30	22.45	June 28	23.44	May 22	25.09
June 28	25.29	June 28	20.98	July 24	22.67	June 26	23.95
July 26	24.75	July 26	19.62	Aug. 27	22.10	July 24	23.70
Aug. 30	24.30	Aug. 30	18.97	Sept. 19	21.91	Aug. 27	23.72
Sept. 20	24.10	Oct. 3	18.95	Oct. 31	21.73	Oct. 22	23.14
Nov. 1	23.85	Nov. 20	20.80	Nov. 21	21.85	Nov. 24	21.86
29	24.22	Dec. 18	21.97	Jan. 8, 1959	23.50	Dec. 16	21.82
Dec. 20	23.94	Jan. 30, 1958	22.30				

## McCurtain County

7S21E-22-1. Formerly 32. U. S. Geol. Survey. Drilled observation artesian well in Paluxy sand, diam 6 in, depth 322 ft, cased to 308. Lsd 435.00 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 13.94 below lsd, Oct. 3, 1951; lowest 21.39 below lsd, Dec. 8, 1959. Records available: 1951-59. Mar. 25, 1956, 18.75; Apr. 2, 1957, 20.05; Dec. 31, 19.45; May 24, 1958, 20.11; May 15, 1959, 19.68; Dec. 8, 21.39.

7S23E-29-1. Formerly 20. Margaret H. Hubanks. Dug unused water-table well in Woodbine formation, diam 23 in, depth 15 ft, cased to 12. Lsd 472.40 ft above msl. MP south edge of curbing, 2.50 ft above lsd. Highest water level 1.00 below lsd, Apr. 24, 1952; lowest 10.95 below lsd, Nov. 30, 1953. Records available: 1950-59. Mar. 25, 1956, 2.29; Apr. 5, 1957, 1.90; Dec. 31, 2.16; May 24, 1958, 4.80; Dec. 23, 3.52; May 15, 1959, 5.22; Dec. 8, 4.26.

9S25E-21-1. Formerly 26. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diam 1½ in, depth 16 ft, cased to 16. Lsd 346.68 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 6.14 below lsd, June 4, 1952; lowest 11.47 below lsd, Nov. 25, 1954. Records available: 1950-59. Mar. 25, 1956, 9.24; Apr. 2, 1957, 10.77; Dec. 31, 9.80; May 24, 1958, 6.59; Dec. 23, 11.10; May 15, 1959, 8.40; Dec. 8, 10.20.

9S25E-33-1. Formerly 27. U. S. Geol. Survey. Driven observation water-table well in alluvium, diam 1½ in, depth 18 ft, cased to 18. Lsd 338.64 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 6.14 below lsd, Apr. 24, 1952; lowest 16.58 below lsd, Aug. 27, 1955. Records available: 1950-59. Mar. 25, 1956, 14.56; Apr. 2, 1957, 16.23; Dec. 31, 14.87; May 24, 1958, 11.95; Dec. 23, 13.97; May 15, 1959, 14.02; Dec. 8, 14.44.

10S25E-10-1. Formerly 29. U. S. Geol. Survey. Driven observation water-table well in alluvium, diam 1½ in, depth 15 ft, cased to 15. Lsd 331.78 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 3.12 below lsd, May 24, 1958; lowest 14.08 below lsd, Aug. 27, 1955. Records available: 1950-59. Mar. 25, 1956, 9.30; Apr. 2, 1957, 13.95; Dec. 31, 4.73; May 24, 1958, 3.12; Dec. 23, 7.84; May 15, 1959, 9.29; Dec. 8, 10.74.

#### Payne County

19N3E-20-1. Formerly 7. Charles Focht. Drilled water-table well in rocks of early Permian age, diam 8 in, depth 30 ft. MP top of casing, 0.75 ft above lsd. Highest water level 2.17 below lsd, Apr. 27, 1942, Sept. 29, 1945; lowest 26.52 below lsd, Mar. 1, 1957. Records available: 1934-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	25.07	Dec. 5, 1956	26.31	Mar. 31, 1958	3.08	Apr. 11, 1959	13.61
Feb. 25	25.11	Mar. 1, 1957	26.52	July 12	11.90	July 6	11.55
Mar. 24	25.12	July 13	12.62	Oct. 4	11.95	Sept. 22	10.85
July 16	25.41	Sept. 28	14.20	Dec. 26	12.71	Dec. 23	7.55
Oct. 26	26.17	Jan. 3, 1958	17.09				

#### Seminole County

9N6E-17-1. Formerly 1. Skelly Gas Corp. Drilled unused artesian well in Vamoosa formation, diam 8 in, depth 496 ft. MP east edge of casing, 1.00 ft above lsd. Highest water level 83.49 below lsd, Feb. 26, 1958; lowest 115.88 below lsd, Sept. 28, 1948. Records available: 1948-58. No measurement made in 1959.

Jan. 30, 1956	92.44	July 26, 1956	96.95	Feb. 27, 1957	90.87	Sept. 27, 1957	88.57
Feb. 29	93.11	Sept. 28	97.46	Mar. 20	98.39	Oct. 29	87.76
Mar. 23	91.74	Oct. 24	96.56	Apr. 24	97.67	Nov. 26	86.97
Apr. 29	92.12	Dec. 5	94.10	May 20	86.48	Dec. 30	85.05
May 31	92.72	20	92.86	June 26	85.48	Jan. 30, 1958	85.29
June 26	93.52	Jan. 21, 1957	91.84	July 29	88.33	Feb. 26	83.49

#### Texas County

3N11E-5-1. Formerly 281. C. F. Webb. Drilled unused water-table well in Ogallala formation, diam 15 in, depth 109 ft. Lsd 3,533.00 ft above msl. MP north edge of casing, 3.00 ft above lsd. Highest water level 76.30 below lsd, May 26, 1958; lowest 89.40 below lsd, Oct. 30, 1944. Records available: 1938, 1942-59.

Jan. 10, 1956	86.32	Sept. 18, 1956	86.16	Jan. 20, 1958	84.24	Dec. 8, 1958	85.84
23	86.36	Oct. 4	85.90	Feb. 24	85.81	Jan. 15, 1959	85.64
Feb. 14	86.27	Nov. 13	85.98	Mar. 25	84.68	Feb. 3	85.56
Mar. 6	86.24	Dec. 17	85.84	Apr. 25	84.16	Apr. 16	85.07
19	86.33	Jan. 18, 1957	85.96	May 26	76.30	May 20	85.47
Apr. 11	86.28	Mar. 7	85.68	June 11	85.55	June 9	85.60
May 9	86.03	May 28	85.42	July 23	85.36	July 21	85.17
June 12	86.36	July 10	85.58	Sept. 26	85.73	Aug. 24	85.37
July 23	85.87	Oct. 4	84.74	Nov. 20	85.57	Nov. 13	86.37
Aug. 13	85.87	Nov. 12	85.63				

4N11E-35-1. Formerly 406. G. R. Beaman and others. Drilled unused water-table well in Ogallala formation, depth 111 ft, cased to 111. MP top inside edge north block of wooden pipe clamp, west side of drop pipe, 0.63 ft above lsd. Highest water level 73.89 below lsd, Jan. 20, 1958; lowest 78.78 below lsd, May 18, 1946. Records available: 1946-58. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	74.69	May 9, 1956	74.56	Oct. 4, 1956	74.39	May 28, 1957	73.94
23	74.90	June 12	74.51	Nov. 13	76.01	July 10	74.14
Feb. 14	74.76	July 23	74.48	Dec. 17	75.85	Oct. 4	74.04
Mar. 6	74.71	Aug. 13	76.27	Jan. 18, 1957	74.35	Nov. 12	74.02
19	74.64	Sept. 18	74.40	Mar. 7	74.27	Jan. 20, 1958	73.89
Apr. 11	74.56						

6N18E-25-2. H. W. Cain. Drilled unused water-table well in Ogallala formation, diam 5 in, depth 99 ft. MP top southwest side of casing (lip bent), at lsd. Highest water level 80.39 below lsd, Apr. 15, 1959; lowest 82.50 below lsd, Sept. 5, 1956. Records available: 1956-59. Recorder installed Sept. 7, 1956. Aug. 9, 1956, 82.15.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	h82.50	82.25	h82.05	81.77
10	.....	.....	.....	.....	.....	.....	.....	.....	82.21	82.25	82.05	81.92
15	.....	.....	.....	.....	.....	.....	.....	.....	82.17	82.19	82.19	81.89
20	.....	.....	.....	.....	.....	.....	.....	.....	82.28	82.19	82.00	81.82
25	.....	.....	.....	.....	.....	.....	.....	.....	82.30	82.16	82.00	81.90
Eom	.....	.....	.....	.....	.....	.....	.....	.....	82.36	82.07	81.86	81.69

1957

5	81.73	81.69	81.52	81.48	81.52	81.28	81.43	81.77	81.74	81.46	81.34	81.09
10	82.00	81.70	81.28	81.39	81.39	81.21	81.47	81.68	81.66	81.64	81.34	81.44
15	81.84	81.68	81.69	81.32	81.28	81.30	81.49	81.72	81.58	81.36	81.33	81.19
20	81.50	81.58	81.49	81.48	81.10	81.32	81.59	81.68	81.52	81.36	81.41	81.18
25	81.77	81.42	81.53	81.43	81.40	81.34	81.63	81.64	81.45	81.49	81.18	81.22
Eom	81.69	.....	81.38	81.42	81.33	81.40	81.66	81.77	81.46	81.25	81.45	81.09

1958

5	81.32	80.96	.....	80.97	.....	.....	81.32	81.08	81.25	.....	81.08	h80.84
10	81.11	81.06	.....	81.09	80.95	81.19	81.16	81.07	.....	81.31	81.02	80.96
15	81.16	.....	81.04	80.99	81.08	81.38	81.33	81.12	.....	.....	80.77	80.90
20	81.00	.....	81.10	80.88	80.98	81.31	81.19	81.18	.....	81.31	81.11	80.92
25	81.00	.....	81.00	81.02	81.06	81.41	81.21	81.15	.....	.....	81.06	80.78
Eom	80.99	.....	81.05	80.92	81.87	81.12	81.00	81.17	.....	81.20	80.96	80.98

1959

5	80.77	80.77	80.63	.....	80.66	80.64	81.01	81.10	80.94	80.93	81.13	80.74
10	80.72	80.87	80.70	80.69	80.51	80.63	81.14	81.11	81.32	81.00	80.75	h80.46
15	80.83	80.80	.....	80.39	80.66	80.71	81.01	81.16	80.92	80.81	80.66	80.65
20	80.71	80.85	.....	80.73	80.60	80.97	80.98	81.03	80.99	80.77	80.71	80.62
25	80.65	80.68	.....	80.54	80.55	80.85	80.98	81.03	80.97	80.75	80.60	80.52
Eom	80.89	.....	.....	80.55	80.52	81.09	81.12	81.05	81.14	80.98	80.62	80.58

h Tape measurement.

1N12E-35-1. Otto Harland. Drilled unused water-table well in Ogallala formation, diam 7 in, reported depth 386 ft. MP top of coupling on top of casing, 2.50 ft above lsd. Highest water level 188.80 below lsd, May 20, 1957; lowest 189.55 below lsd, Nov. 5, 1959. Records available: 1956-59. Recorder installed July 30, 1956.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	189.03	.....	189.10	189.06	188.96
10	.....	.....	.....	.....	.....	.....	.....	189.03	189.00	189.09	189.03	189.08
15	.....	.....	.....	.....	.....	.....	.....	189.02	188.99	189.11	189.25	189.17
20	.....	.....	.....	.....	.....	.....	.....	.....	189.09	189.06	189.18	189.10
25	.....	.....	.....	.....	.....	.....	.....	189.00	.....	189.13	189.12	189.20
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	189.08	189.02	188.99

1957

5	189.03	189.14	189.06	189.13	189.17	189.04	189.04	189.17	189.09	189.09	189.15	188.99
10	.....	189.19	188.82	188.99	189.10	188.98	.....	189.07	189.05	189.23	189.19	189.35
15	.....	189.15	189.27	188.86	189.06	189.00	.....	189.08	189.08	189.10	189.13	189.14
20	188.87	189.02	189.03	189.10	188.80	188.98	.....	189.08	189.06	189.11	189.28	189.18
25	189.16	188.96	189.20	189.11	189.19	188.95	.....	189.00	189.07	189.22	189.07	189.22
Eom	189.08	.....	188.95	189.08	189.09	189.10	.....	189.10	189.07	189.03	189.36	189.05

h Tape measurement.

## 1N12E-35-1--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	189.30	189.09	189.12	189.15	189.21	189.33	189.21	189.16	189.20	189.14	189.23	189.30
10	189.13	189.12	189.25	189.24	189.12	189.08	189.13	189.18	189.17	189.43	.....	189.35
15	189.23	189.18	189.12	189.12	189.23	189.24	189.28	189.17	189.20	189.22	189.01	189.32
20	189.06	189.11	189.17	189.14	189.16	189.16	189.19	189.26	189.13	189.08	189.40	189.33
25	189.08	189.09	189.11	189.32	189.19	189.33	189.22	189.19	189.34	189.38	189.29	189.15
Eom	189.08	.....	189.17	189.24	189.00	189.09	189.15	189.16	189.38	189.31	189.30	189.41

1959												
5	189.18	189.35	189.20	189.18	189.24	189.16	.....	189.15	189.10	189.22	189.55	189.38
10	189.25	189.35	189.17	188.93	189.09	189.03	189.19	189.16	189.48	189.38	189.19	189.07
15	189.29	189.35	189.39	188.93	189.17	189.10	189.15	189.16	189.00	189.17	189.14	189.26
20	189.18	189.38	189.37	189.34	189.18	189.24	189.17	189.19	189.15	189.14	189.19	189.23
25	189.14	189.22	189.17	189.11	189.07	189.07	189.19	189.20	189.13	189.10	189.28	189.01
Eom	189.38	.....	189.11	189.11	189.09	.....	189.30	189.20	189.29	189.41	189.28	189.18

h Tape measurement.

## Tillman County

1N18W-29-1. Formerly 27. G. W. Trimue. Drilled domestic water-table well in terrace deposits, diam 6 in, depth 42 ft, cased to 41. Lsd 1,342.00 ft above msl. MP top of well, 1.00 ft above lsd. Highest water level 20.27 below lsd, Aug. 25, 1958; lowest 27.94 below lsd, May 23, 1955. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	26.07	Jan. 22, 1957	26.02	Jan. 27, 1958	21.00	Dec. 29, 1958	20.55
Feb. 20	26.02	Feb. 25	26.09	Feb. 24	21.00	Jan. 26, 1959	20.58
Mar. 19	26.02	Apr. 5	26.26	Mar. 24	20.93	Feb. 23	20.63
Apr. 23	26.00	May 6	26.30	Apr. 21	20.86	Mar. 23	20.74
May 21	26.00	27	25.62	May 19	20.74	Apr. 20	20.89
June 25	25.92	June 24	24.77	June 23	21.59	May 18	20.95
July 23	25.83	July 22	23.89	July 22	20.50	June 22	21.05
Aug. 27	25.68	Aug. 26	22.84	Aug. 25	20.27	July 20	21.06
Sept. 17	25.69	Sept. 30	22.02	Sept. 22	20.37	Aug. 24	21.18
Oct. 29	25.79	Oct. 28	21.74	Oct. 27	20.44	Oct. 19	21.13
Nov. 26	25.85	Nov. 18	21.64	Nov. 18	20.43	Dec. 14	20.90
Dec. 17	25.89	Dec. 16	21.38				

1S19W-25-1. Formerly 1. Southwestern Cotton Substation. Drilled irrigation water-table well in terrace deposits, diam 20 in, reported depth 54 ft, cased to 54. MP edge of airline hole in pumpbase, 0.61 ft above lsd. Highest water level 18.38 below lsd, June 2, 1947; lowest 34.90 below lsd, Aug. 16, 1954. Records available: 1944-59.

Jan. 2, 1956	25.88	Apr. 30, 1956	28.76	Apr. 5, 1957	26.50	Sept. 22, 1958	22.41
9	25.73	May 7	26.58	May 6	23.27	Oct. 27	22.01
16	25.66	14	26.56	27	22.05	Nov. 18	22.21
23	25.59	21	26.21	June 24	21.12	Dec. 29	21.96
30	25.78	28	25.94	July 22	22.73	Jan. 26, 1959	22.15
Feb. 6	25.49	June 4	25.71	Aug. 26	27.09	Feb. 23	21.85
13	25.40	11	25.55	Sept. 30	24.56	Mar. 23	23.19
20	25.58	18	25.42	Oct. 28	23.09	Apr. 20	24.87
27	25.45	25	25.19	Nov. 18	22.47	May 18	23.40
Mar. 5	25.37	July 2	25.19	Dec. 16	21.96	June 22	23.05
12	25.51	9	25.27	Jan. 27, 1958	21.73	July 20	21.17
19	25.45	Sept. 17	33.39	Feb. 24	21.65	Aug. 24	27.37
26	25.18	24	32.75	Mar. 24	21.34	Sept. 21	23.44
Apr. 2	28.40	Nov. 26	27.40	Apr. 21	21.17	Oct. 19	22.66
9	29.35	Dec. 17	27.23	May 19	21.05	Nov. 18	22.37
16	33.66	Jan. 21, 1957	29.59	June 23	21.71	Dec. 14	22.18
23	33.65	Feb. 25	27.00	July 22	22.07		

a Well being pumped.

## Woodward County

21N22W-23-1. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diam 5½ in, depth 322 ft, cased to 76, perforated 64-76. Lsd 2,335.40 ft above msl. MP top east edge of casing, 2.00 ft above lsd. Highest water level 27.52 below lsd, Nov. 15, 1958; lowest 29.77 below lsd, Mar. 8, 1957. Records available: 1957-59.

21N22W-23-1--Continued.

Lowest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	29.64	29.73	29.45	28.79	28.67	28.55	28.54	28.45	28.33	28.12
10	.....	.....	29.54	29.61	29.32	28.74	28.62	28.54	28.50	28.49	28.33	28.29
15	.....	.....	29.75	29.49	29.15	28.73	28.58	28.53	28.50	28.42	28.32	28.16
20	.....	.....	29.69	29.48	h28.99	28.70	28.57	28.54	28.47	28.43	28.32	28.17
25	.....	.....	.....	29.42	28.94	28.70	28.57	28.53	28.46	28.45	28.21	.....
Eom	.....	.....	29.64	29.45	28.84	28.72	28.54	28.54	28.46	28.33	28.31	.....

1958

5	.....	28.07	28.13	28.17	28.27	28.27	28.09	27.80	27.65	27.58	27.63	27.74
10	.....	28.10	28.20	28.23	28.23	28.12	28.02	27.74	27.63	27.70	27.58	27.69
15	.....	28.14	28.16	28.19	28.29	28.20	27.89	27.70	.....	27.80	27.52	27.67
20	.....	28.09	28.19	28.20	28.26	28.23	27.81	27.67	27.55	27.55	27.67	27.72
25	.....	28.03	28.15	28.28	28.27	28.32	27.86	27.68	27.66	27.65	27.68	27.65
Eom	28.06	.....	28.19	28.25	28.17	28.11	27.77	27.70	27.70	27.62	27.66	27.73

1959

5	27.71	27.78	27.78	27.90	27.93	27.84	27.76	27.85	27.91	28.07	27.96
10	27.70	27.81	27.80	27.96	27.91	27.81	27.91	27.79	28.01	27.97	27.95
15	27.75	27.79	27.93	27.86	27.95	27.85	27.79	27.80	27.83	27.90	27.88
20	27.70	27.84	27.94	28.02	h27.85	27.82	27.82	27.81	27.88	27.87	27.92
25	27.69	27.75	27.76	27.89	27.88	27.82	27.81	27.84	27.85	27.86	27.83
Eom	27.78	27.81	27.84	27.90	27.87	27.83	27.83	27.87	27.93	27.99	27.88

h Tape measurement.

23N20W-19-1. Formerly 4. William and Grace Ertz. Drilled irrigation water-table well in alluvium, diam 18 in, depth 27 ft. Lsd 1,874.80 ft above msl. MP east edge of concrete curbing, 2.00 ft above lsd. Highest water level 1.02 below lsd, July 1, 1957; lowest 6.94 below lsd, Oct. 9, 1956. Records available: 1945-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 29, 1956	5.84	Sept. 11, 1956	6.81	Mar. 19, 1957	6.27	Dec. 10, 1957	3.90
Mar. 6	5.79	18	6.84	28	5.96	21	3.86
14	5.70	25	6.85	Apr. 11	5.68	Jan. 27, 1958	3.74
19	5.67	Oct. 2	6.93	19	5.52	Feb. 20	3.72
27	5.71	9	6.94	23	5.36	Mar. 25	3.27
Apr. 3	5.83	16	6.89	29	5.14	Apr. 27	2.97
10	5.58	23	6.89	May 7	3.65	May 19	3.46
17	5.63	30	6.93	13	3.14	June 17	4.37
24	5.59	Nov. 5	6.74	21	2.35	July 14	3.38
May 1	5.61	13	6.69	27	2.24	Aug. 14	3.72
8	5.59	20	6.73	June 6	2.16	Sept. 18	4.78
15	5.63	27	6.69	14	2.43	Oct. 30	4.97
21	5.67	Dec. 4	6.60	18	2.50	Nov. 19	4.60
June 5	5.74	10	6.56	24	1.58	Jan. 7, 1959	4.74
12	5.79	17	6.58	July 1	1.02	28	4.60
19	5.91	24	6.50	16	2.88	Feb. 25	4.40
25	5.99	31	6.49	31	3.62	Mar. 26	4.10
July 3	5.98	Jan. 7, 1957	6.46	Aug. 6	3.80	Apr. 22	3.50
10	6.15	15	6.50	19	4.28	May 20	3.00
16	6.14	22	6.50	Sept. 5	4.72	June 24	3.87
24	6.14	30	6.35	19	4.55	July 22	4.68
31	6.35	Feb. 6	6.42	Oct. 2	4.77	Aug. 26	5.20
Aug. 7	6.46	11	6.23	15	4.28	Sept. 23	5.57
14	6.25	20	6.37	25	4.20	Oct. 21	4.69
22	6.62	28	6.27	Nov. 14	4.01	Nov. 23	4.62
28	6.73	Mar. 6	6.24	25	3.90	Dec. 15	4.60
Sept. 5	6.79	13	6.26				

## TEXAS

By Clarence R. Follett

The observation-well program in Texas, begun in 1929 in cooperation with the Texas Board of Water Engineers, has been expanded from year to year. Herein are records of 691 selected wells in 104 counties in Texas. Figures 12 and 13 show the location of observation wells included in this report.

### Acknowledgments

The Houston Lighting & Power Co. made measurements in Harris County well 1170. The Southland Paper Mills, Inc., furnished part of the measurements for wells in Angelina and Nacogdoches Counties. The High Plains Underground Water Conservation Dist. No. 1 assisted in the measurements made in Castro, Cochran, Deaf Smith, Lubbock, and Lynn Counties.

### Well-Numbering System

Three well-numbering systems have been used in Texas: (1) wells numbered consecutively beginning with 1 in the upper left corner and progressing back and forth across the county map; (2) a grid system using a letter and a number to identify the grid in each county, followed by consecutive well numbers; and, (3) a grid system for each county using a letter alone to identify the grid, followed by consecutive well numbers. The well-numbering system has been changed from system 1 to system 3 in some areas when the county was restudied. The segment in parentheses represents a number assigned to the well in other publications.

### Well Descriptions and Water-Level Measurements

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

#### Angelina County

168. City of Lufkin. Near Redland School. Lat  $31^{\circ}24'$ , long  $94^{\circ}43'$ . Drilled public-supply artesian well in Carrizo sand, diam 16 to 8 in, depth 1,170 ft, screened 1,058-1,170. MP top of 1-in nipple, 1.00 ft above lsd. Highest water level 81.0 below lsd, Feb. 5, 1939; lowest 410.0 below lsd, July 15, 1959. Records available: 1939-45, 1948-59. July 13, 1956, 400.0 (well being pumped); Mar. 13, 1957, 395.0; Mar. 27, 455.0 (well being pumped); July 12, 487.0 (well being pumped); July 13, 1958, 523.0 (well being pumped); July 16, 398.0; July 14, 1959, 535.0 (well being pumped); July 15, 410.0.

169. Gulf Pipe Line Co. Lat  $31^{\circ}26'$ , long  $94^{\circ}45'$ . Drilled industrial artesian well in Carrizo sand, diam 6 to 4 in, depth 959 ft, screened 820-848. MP top of  $\frac{3}{4}$ -in measuring pipe, 0.50 ft above lsd. Highest water level 43.0 above lsd (previously reported 37.0 above lsd), Oct. 23, 1939; lowest 242.70 below lsd, July 13, 1959. Records available: 1939-46, 1948-57, 1959. July 16, 1956, 175.80; Mar. 28, 1957, 186.95; July 9, 229.1 (well pumped recently); Apr. 2, 1959, 241.90 (measurement by Southland Paper Mills, Inc.); July 13, 242.70. No measurement made in 1958. Measurement discontinued.

178. Southland Paper Mills, Inc. well CW16-0. Lat  $31^{\circ}27'$ , long  $94^{\circ}48'$ . Drilled observation artesian well in Carrizo sand, diam 2 in, depth 1,077 ft, screened 850-860, 931-941. Lsd 255.0 ft above msl. MP top of 2-in tee, 1.50 ft above lsd. Highest water level 65.42 below lsd, Dec. 26, 1947; lowest 202.35 below lsd, July 13, 1959. Records available: 1947-59. Feb. 13, 1956, 143.37; July 16, 150.15; Feb. 21, 1957, 182.66; July 8, 186.68; Mar. 17, 1958, 192.01; July 14, 192.22; July 13, 1959, 202.35.



Aransas County

35. W. S. Kirby. At northeast edge of Aransas Pass. Lat 27°54', long 97°08'. Drilled domestic water-table well in sand, diam 4 in, depth 39 ft, cased to 39. Lsd 10.18 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 4.83 below lsd, Nov. 6, 1959; lowest 15.60 below lsd, Apr. 19, 1939. Records available: 1939-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 5, 1956, 9.32; Dec. 11, 1957, 6.41; Nov. 6, 1959, 4.83. No measurement made in 1958.

77. H. G. Smith. At southwest edge of Rockport. Lat 28°01', long 97°03'. Drilled unused water-table well in sand, diam 4 in, depth 58 ft, cased to 58. Lsd 10.36 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 2.49 below lsd, Nov. 6, 1959; lowest 16.30 below lsd, June 19, 1939. Records available: 1939-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 5, 1956, 9.50; Dec. 10, 1957, 7.44; Nov. 6, 1959, 2.49. No measurement made in 1958.

247. Roe's Slaughter House. Formerly G. M. Broach. Lat 28°01', long 97°04'. Drilled farm water-table well in sand, diam 4 in, depth 29 ft, cased to 29. Lsd 16.59 ft above msl. MP top of concrete base, 0.30 ft above lsd. Highest water level 2.59 below lsd, Nov. 16, 1949; lowest 13.14 below lsd, Dec. 14, 1954. Records available: 1940-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 5, 1956, 12.52; Dec. 10, 1957, 8.13; Nov. 12, 1959, 3.03. No measurement made in 1958.

Armstrong County

463. H. McMullen. Lat 35°05', long 101°27'. Drilled irrigation water-table well in sand, diam 17 in, depth 263 ft. Lsd 3,431.10 ft above msl. MP top of concrete base, 1.00 ft above lsd. Highest water level 153.90 below lsd, Feb. 23, 1956; lowest 159.47 below lsd, Jan. 22, 1957. Records available: 1954, 1956-59. Oct. 18, 1954, 159.18; Feb. 23, 1956, 153.90; Jan. 22, 1957, 159.47; Jan. 29, 1958, 157.64; Mar. 4, 1959, 158.95. No measurement made in 1955.

464. Lonnie Hood. Lat 35°05', long 101°21'. Drilled irrigation water-table well in sand, diam 20 in, depth 306 ft. Lsd 3,390.0 ft above msl. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 170.05 below lsd, Feb. 23, 1956; lowest 175.11 below lsd, Jan. 22, 1957. Records available: 1954, 1956-59. Oct. 20, 1954, 170.93; Feb. 23, 1956, 170.05; Jan. 22, 1957, 175.11; Jan. 24, 1958, 171.16; Mar. 4, 1959, 172.52. No measurement made in 1955.

465. W. R. Hardin. Lat 35°02', long 101°06'. Drilled irrigation water-table well in sand, diam 16 in, depth 276 ft, cased to 276, slotted 226-276. Lsd 2,981.70 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 114.04 below lsd, Nov. 12, 1954; lowest 117.90 below lsd, Jan. 22, 1957. Records available: 1954, 1956-59. Nov. 12, 1954, 114.04; Feb. 23, 1956, 114.48; Jan. 22, 1957, 117.90; Jan. 30, 1958, 116.58; Mar. 3, 1959, 115.95. No measurement made in 1955.

467. Paul Hood. Lat 35°07', long 101°23'. Drilled irrigation water-table well in sand, diam 18 in, depth 304 ft, cased to 304, slotted 214-304. Lsd 3,416.10 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 154.55 below lsd, Mar. 4, 1959; lowest 155.92 below lsd, Jan. 22, 1957. Records available: 1954, 1956-59. Nov. 12, 1954, 154.94; Feb. 23, 1956, 155.07; Jan. 22, 1957, 155.92; Jan. 28, 1958, 155.65; Mar. 4, 1959, 154.55. No measurement made in 1955.

Atascosa County

33. C. E. Simmons. Lat 29°02', long 98°39'. Drilled irrigation well in Carrizo sand, diam 8 to 6 in, depth 428 ft (previously reported 800 ft), cased, 8-in 0-300, 6-in 300-428, slotted 388-428. MP top of casing, at lsd. Highest water level 18.0 below lsd, July 19, 1940; lowest 52.67 below lsd, Jan. 19, 1957. Records available: 1940, 1944, 1949-55, 1957-58. Jan. 19, 1957, 52.67; Jan. 14, 1958, 48.37. No measurement made in 1956 or 1959.

72. G. Weynand. Lat 29°07', long 98°30'. Drilled farm artesian well in Carrizo sand, diam 5 in, depth 120 ft. MP top of casing, 1.00 ft above lsd. Highest water level 81.86 below lsd, Aug. 10, 1945; lowest 99.05 below lsd, Nov. 23, 1959. Records available: 1944-45, 1948-50, 1953-59.

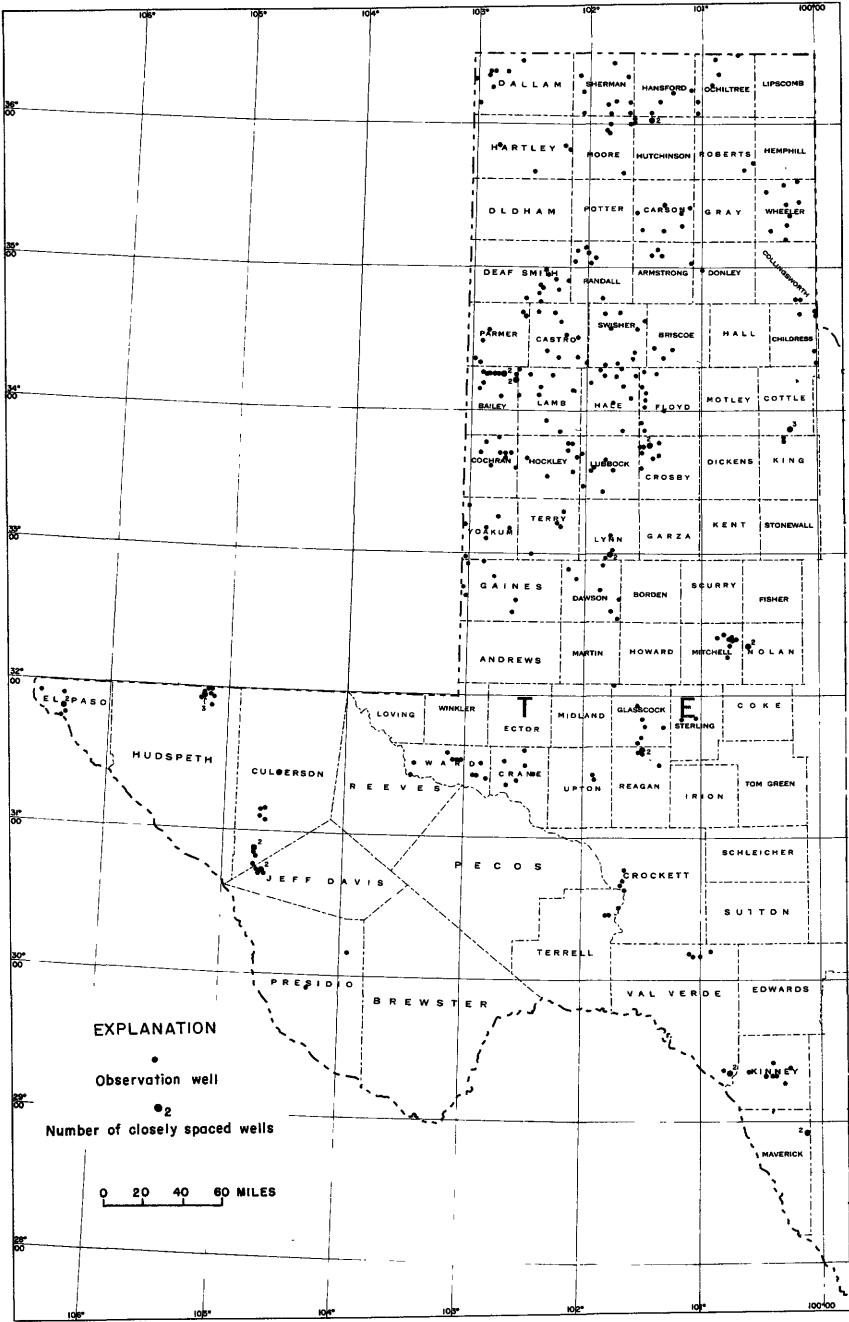


Figure 12. --Location of observation wells in western Texas, 1956-59.

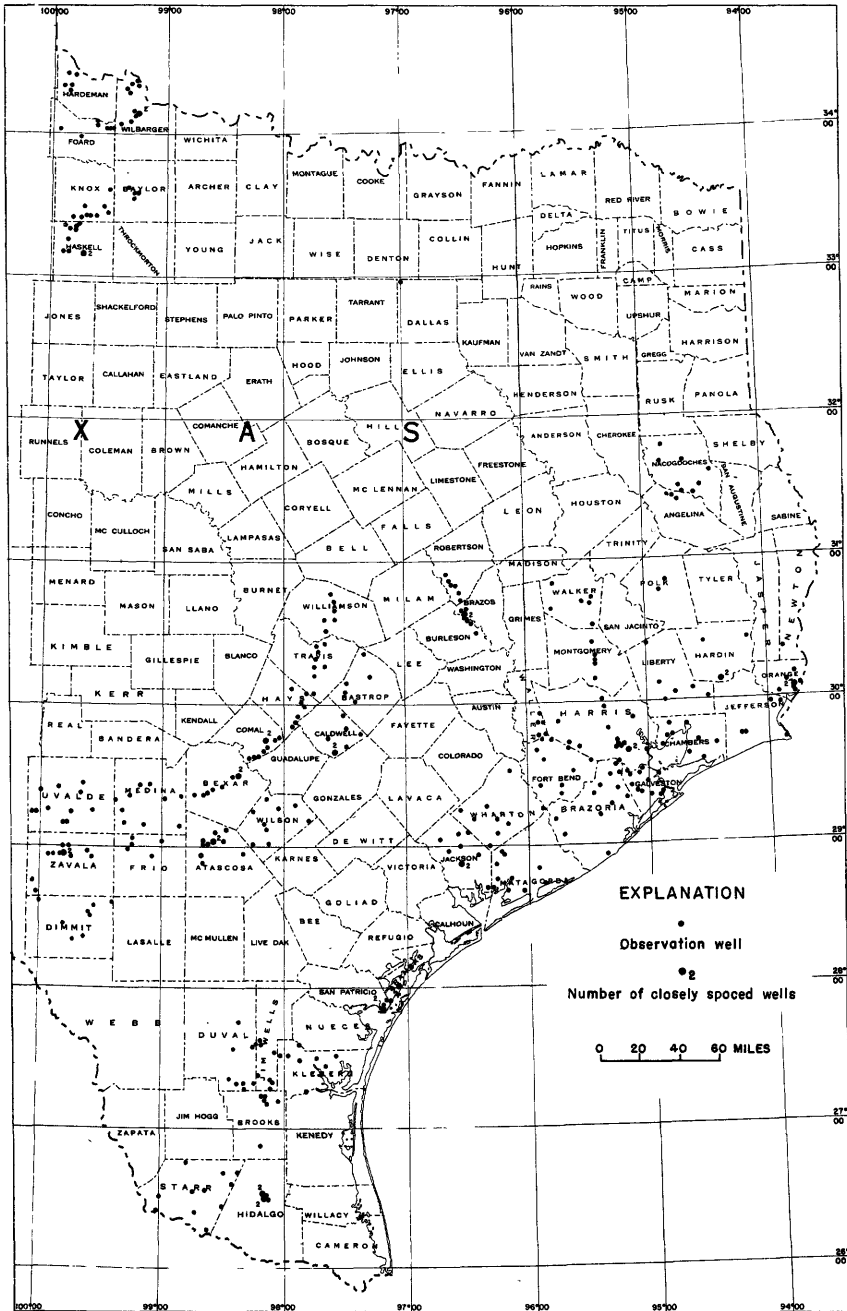


Figure 13.--Location of observation wells in eastern Texas, 1956-59.

## 72--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 5, 1944	81.89	Feb. 18, 1954	87.09	Mar. 21, 1956	91.80	Apr. 22, 1958	95.51
Aug. 10, 1945	81.86	June 9	88.82	Sept. 12	93.83	July 17	96.52
Sept. 29, 1948	83.74	Sept. 15	89.12	Jan. 16, 1957	94.72	Oct. 15	96.63
July 19, 1949	84.31	Mar. 15, 1955	89.83	Apr. 9	94.43	Feb. 5, 1959	96.32
July 18, 1950	84.58	June 10	90.73	July 15	95.69	May 20	96.32
July 17, 1953	86.94	Sept. 21	91.40	Oct. 15	95.74	Aug. 12	98.04
Nov. 11	87.72	Dec. 13	91.88	Jan. 22, 1958	95.81	Nov. 23	99.05

100. Joe A. Coughran. Lat 28°57', long 98°22'. Drilled farm artesian well in Mount Selman formation, diam 4 in, depth 600 ft. MP top of casing, 1.80 ft above lsd. Highest water level 14.70 below lsd, July 19, 1949; lowest 21.26 below lsd, Feb. 15, 1957. Records available: 1944, 1948-57. Jan. 9, 1956, 20.06; Feb. 15, 1957, 21.26. No measurement made in 1958 or 1959.

165. H. E. Whittet. Lat 29°03', long 98°42'. Drilled farm artesian well in Carrizo sand, diam 4 in, depth 250 ft. MP 3/8-in hole in plate on concrete base, 0.30 ft above lsd. Highest water level 25 below lsd, 1910; lowest 61.31 below lsd, Jan. 19, 1957. Records available: 1910, 1929, 1944-46, 1948-58. Jan. 10, 1956, 48.51; Jan. 19, 1957, 61.31; Jan. 14, 1958, 50.55. No measurement made in 1959.

168. Guy A. Bryan. Lat 29°06', long 98°35'. Drilled farm water-table well in Carrizo sand, diam 4 in, depth 120 ft. MP top of casing, 1.00 ft above lsd. Highest water level 90 below lsd, 1929; lowest 111.99 below lsd, Jan. 14, 1958. Records available: 1929, 1944-46, 1948-58. Jan. 10, 1956, 108.40; Jan. 15, 1957, 110.55; Jan. 14, 1958, 111.99. No measurement made in 1959.

177. W. R. Woods. Lat 29°01', long 98°42'. Drilled farm artesian well in Carrizo sand, diam 6 in, depth 640 ft. MP top of iron pipe clamp, 1.50 ft above lsd (since Jan. 17, 1956). Highest water level 5 above lsd, 1929; lowest 26.99 below lsd, Jan. 17, 1957. Records available: 1929, 1944-46, 1948-58. Jan. 10, 1956, 16.80; Jan. 17, 1957, 26.99; Jan. 14, 1958, 22.54. No measurement made in 1959.

187. Dan Reed. Lat 29°03', long 98°36'. Drilled irrigation artesian well in Carrizo sand, diam 10 in, depth 666 ft. MP hole in pumpbase, at lsd. Highest water level 32 below lsd, 1929; lowest 64.70 below lsd, Jan. 15, 1957. Records available: 1929, 1944-46, 1948-58. Jan. 10, 1956, 59.20; Jan. 15, 1957, 64.70; Jan. 14, 1958, 61.66. No measurement made in 1959.

213a. E. T. Page. Lat 29°03', long 98°32'. Drilled irrigation artesian well in Carrizo sand, diam 10 to 5 in, depth 735 ft, cased, 10-in 0-150, 6-in 150-650, 5-in 650-735, screened 650-735. MP end of 1½-in special measuring pipe, 2.50 ft above lsd. Highest water level 74.14 below lsd, Feb. 14, 1949; lowest 114.75 below lsd, Aug. 23, 1956. Records available: 1948-59.

Jan. 21, 1956	93.52	Mar. 25, 1957	95.82	Mar. 25, 1958	91.01	Feb. 23, 1959	91.01
Apr. 24	100.12	Apr. 23	94.66	Apr. 27	90.71	Mar. 25	92.49
May 23	99.34	May 27	92.13	May 26	91.46	Apr. 26	92.88
June 23	100.45	June 24	93.00	June 25	98.12	May 26	92.41
July 23	112.50	July 23	107.17	July 28	102.76	June 23	102.00
Aug. 23	114.75	Aug. 27	108.73	Aug. 26	105.11	July 26	101.04
Sept. 23	109.32	Sept. 29	105.30	Sept. 25	98.24	Aug. 26	102.47
Oct. 24	110.16	Oct. 28	98.77	Oct. 27	95.75	Sept. 24	104.98
Nov. 22	104.40	Nov. 29	94.56	Nov. 24	93.17	Oct. 26	98.07
Dec. 19	102.02	Dec. 29	93.40	Dec. 21	92.01	Nov. 23	93.48
Jan. 15, 1957	96.95	Jan. 15, 1958	92.53	Jan. 22, 1959	92.17	Dec. 21	93.48
Feb. 15	97.63	Feb. 25	91.24				

c Nearby well being pumped.

246. Fred Franks. Formerly A. E. Beckman. Lat 28°52', long 98°40'. Drilled farm artesian well in Carrizo sand, diam 7 to 4 in, depth 1,692 ft. MP bottom of 4- by 6-in platform, 1.00 ft above lsd. Highest water level 12 below lsd, 1929; lowest 87.39 below lsd, Feb. 14, 1957. Records available: 1929, 1944-46, 1948-51, 1953-57. Jan. 10, 1956, 63.23; Feb. 14, 1957, 87.39. No measurement made in 1958 or 1959.

299. H. C. McCaughn. Lat 29°03', long 98°36'. Drilled farm artesian well in Carrizo sand, diam 6 in, depth 1,000 ft. MP top of hole in pump support, 0.70 ft above lsd. Highest water level 27.5 below lsd, 1929; lowest 62.17 below lsd, Jan. 15, 1957. Records available: 1929, 1944, 1946, 1948-58. Jan. 10, 1956, 57.75; Jan. 15, 1957, 62.17; Jan. 14, 1958, 57.67. No measurement made in 1959.

337. L. B. Wier. Lat 28°56', long 98°43'. Drilled farm artesian well in Carrizo sand, diam 5 in, depth 1,207 ft. MP top of iron pipe clamp, 1.10 ft above lsd. Highest water level 38 below lsd, 1908; lowest 118.17 below lsd, Feb. 14, 1957. Records available: 1908, 1929, 1944-46, 1948-57. Jan. 10, 1956, 100.56; Feb. 14, 1957, 118.17. No measurement made in 1958 or 1959.

#### Bailey County

9. Fred McKillip. Lat 34°16', long 102°54'. Drilled irrigation water-table well in sand, diam 12 in, depth 79 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 36.84 below lsd, Feb. 12, 1943; lowest 78.02 below lsd, Jan. 14, 1959. Records available: 1936-59. Measurements since 1955 made in replacement well 50 ft away. Jan. 12, 1956, 69.20; Jan. 14, 1957, 70.39; Jan. 16, 1958, 73.34; Jan. 14, 1959, 78.02.

25. C. A. Wagner. Lat 34°15', long 102°52'. Drilled irrigation water-table well in sand, diam 20 in, depth 100 ft, not cased. MP top of pumpbase, 0.50 ft above lsd. Highest water level 14.92 below lsd, Mar. 17, 1942; lowest 59.64 below lsd, Jan. 14, 1959. Records available: 1936-59. Jan. 12, 1956, 50.80; Jan. 14, 1957, 53.86; Jan. 16, 1958, 57.29; Jan. 14, 1959, 59.64.

33. Mrs. J. W. Gregory. Lat 34°15', long 102°50'. Drilled irrigation water-table well in sand, diam 16 to 10 in, depth 96 ft, cased to 96. MP top of concrete base, 0.85 ft above lsd. Highest water level 25.95 below lsd, Mar. 17, 1942; lowest 71.29 below lsd, Jan. 16, 1958. Records available: 1936-42, 1945-58. Jan. 12, 1956, 59.53; Jan. 14, 1957, 65.16; Jan. 16, 1958, 71.29. No measurement made in 1959.

36. C. J. Darby. Lat 34°15', long 102°48'. Drilled irrigation water-table well in sand, diam 10 in, depth 100 ft, cased to 90. MP top of concrete base, 1.00 ft above lsd. Highest water level 12.50 below lsd, Mar. 17, 1942; lowest 52.49 below lsd, Jan. 14, 1959. Records available: 1936-59. Jan. 12, 1956, 44.52; Jan. 14, 1957, 48.15; Jan. 16, 1958, 50.51; Jan. 14, 1959, 52.49.

49. W. F. Harrison. Lat 34°15', long 102°46'. Drilled irrigation water-table well in sand, diam 12 in, depth 72 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 17.74 below lsd, Feb. 12, 1943; lowest 53.67 below lsd, Jan. 13, 1959. Records available: 1936-59. Jan. 12, 1956, 45.09; Jan. 14, 1957, 48.48; Jan. 16, 1958, 51.70; Jan. 13, 1959, 53.67.

62. Briscoe. Lat 34°15', long 102°43'. Drilled irrigation water-table well in sand, diam 15 to 12 in, depth 140 ft, cased to 140. MP hole in pumpbase, at lsd. Highest water level 15.42 below lsd, Feb. 11, 1943; lowest 69.50 below lsd, Jan. 13, 1959. Records available: 1936-59. Jan. 11, 1956, 66.17; Jan. 15, 1957, 66.08; Jan. 17, 1958, 68.78; Jan. 13, 1959, 69.50.

67. I. W. Hardin. Lat 34°15', long 102°43'. Drilled irrigation water-table well in sand, diam 30 in, depth 100 ft (well deepened from 49 to 100), not cased. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 11.98 below lsd, Nov. 30, 1942; lowest 65.31 below lsd, Jan. 18, 1958. Records available: 1936-58. Jan. 11, 1956, 60.08; Jan. 15, 1957, 64.79; Jan. 18, 1958, 65.31. No measurement made in 1959.

131. R. D. Precure. Lat 34°15', long 102°37'. Drilled irrigation water-table well in sand, diam unknown, depth 150 ft (previously reported 59 ft). MP hole in casing, 1.00 ft above lsd. Highest water level 12.14 below lsd, Nov. 30, 1942; lowest 59.87 below lsd, Jan. 13, 1959. Records available: 1914, 1936-59. Jan. 11, 1956, 48.88; Jan. 15, 1957, 53.59; Jan. 18, 1958, 56.09; Jan. 13, 1959, 59.87.

135. B. H. Porter. Lat 34°14', long 102°37'. Drilled irrigation water-table well in sand, diam 16 in, depth 150 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 7.09 below lsd, Nov. 1, 1941; lowest 50.52 below lsd, Jan. 13, 1959. Records available: 1914, 1937-39, 1941-43, 1949-59. Jan. 11, 1956, 39.01; Jan. 15, 1957, 43.24; Jan. 18, 1958, 46.26; Jan. 13, 1959, 50.52.

137. J. C. Hunt. Lat 34°14', long 102°38'. Drilled unused (previously reported irrigation) water-table well in sand, diam 15 in, depth 130 ft. MP top of concrete base, 0.45 ft above lsd. Highest water level 6.37 below lsd, Nov. 1, 1941; lowest 46.74 below lsd, Jan. 13, 1959. Records available: 1914, 1936-59. Jan. 11, 1956, 35.54; Jan. 15, 1957, 39.35; Jan. 18, 1958, 43.18; Jan. 13, 1959, 46.74.

207. Whittington. Lat 34°06', long 102°44'. Drilled stock water-table well in sand, diam 6 in, depth 142 ft. MP top of casing, 1.50 ft above lsd. Highest water level 81.24 below lsd, Jan. 10, 1953; lowest 100.88 below lsd, June 16, 1938. Records available: 1936-44, 1946-47, 1949-59. Jan. 12, 1956, 88.12; Jan. 14, 1957, 88.59; Jan. 17, 1958, 88.71; Jan. 14, 1959, 88.34.

P-1. City of Lubbock. Lat 34°09', long 102°57'. Drilled observation water-table well in sand, diam 16 in, depth 229 ft. Lsd 3,954.80 ft above msl. MP top of concrete base, 0.30 ft above lsd. Highest water level 72.39 below lsd, July 15-29, 1952; lowest 73.48 below lsd, Dec. 17, 1959. Records available: 1952-54, 1957-59. Recorder installed July 10, 1952. No measurement made in 1955 or 1956.

Highest water level for the day, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	72.41	72.49	72.55	72.60	72.66
10	.....	.....	.....	.....	.....	.....	72.49	72.42	72.50	72.52	72.60	72.62
15	.....	.....	.....	.....	.....	.....	72.39	72.45	72.50	72.55	72.61	72.62
20	.....	.....	.....	.....	.....	.....	72.39	72.45	72.54	72.56	72.64	72.62
25	.....	.....	.....	.....	.....	.....	72.39	72.46	72.53	72.57	72.64	72.66
Eom	.....	.....	.....	.....	.....	.....	72.40	72.46	72.54	72.59	72.64	72.62

1953

5	.....	72.72	72.75	72.72	.....	72.62	72.66	72.67	72.72	72.79	.....	72.87
10	.....	72.76	72.71	72.63	.....	72.63	72.67	72.67	72.75	72.80	.....	72.84
15	.....	72.70	72.73	.....	.....	72.63	72.67	.....	72.74	.....	.....	72.88
20	72.71	72.79	72.71	.....	.....	72.65	72.67	72.68	72.75	.....	72.85	72.86
25	72.70	72.74	72.74	.....	.....	72.65	72.69	72.70	72.77	.....	72.87	72.88
Eom	72.74	72.67	72.75	.....	72.63	72.64	72.67	72.71	72.78	.....	72.85	72.83

1954

5	72.86	72.80	72.68	72.65	72.67	.....	.....	.....	73.10	73.12	.....	.....
10	72.88	72.76	72.71	72.68	72.66	.....	.....	.....	73.09	.....	.....	.....
15	72.91	72.71	72.62	72.62	72.65	.....	.....	73.07	73.11	.....	.....	.....
20	72.74	72.78	72.65	72.72	72.65	.....	.....	73.08	73.13	.....	.....	.....
25	72.80	72.74	72.60	72.74	72.64	.....	.....	73.08	73.12	.....	.....	.....
Eom	72.78	72.64	72.58	72.70	.....	.....	.....	73.10	73.13	.....	.....	.....

1957

5	.....	.....	.....	72.70	72.74	72.77	72.71	72.78	72.81	72.83	72.89	72.87
10	.....	.....	.....	72.71	72.73	72.75	72.74	72.78	72.81	72.85	72.91	72.91
15	.....	.....	.....	72.75	72.73	72.75	72.75	72.78	72.85	72.88	72.91	72.93
20	.....	.....	72.70	72.74	72.74	72.69	72.76	72.78	72.82	72.87	72.90	72.91
25	.....	.....	72.73	72.73	72.77	72.76	72.76	72.78	72.82	72.90	72.91	72.91
Eom	.....	.....	72.68	72.74	72.76	72.77	72.78	72.80	72.81	72.88	72.90	72.97

1958

5	72.99	72.93	72.99	72.98	72.99	72.99	73.01	73.05	73.06	73.10	73.13	73.15
10	72.98	72.94	73.00	72.98	73.00	72.99	73.02	73.04	73.05	73.11	73.14	73.16
15	72.95	72.97	72.96	72.99	72.99	.....	73.02	73.04	73.07	73.12	73.14	73.16
20	72.95	72.99	72.96	72.97	72.99	72.99	73.01	73.06	73.08	73.10	73.16	73.16
25	72.94	72.94	72.97	72.97	72.98	73.01	73.03	73.04	73.08	73.10	73.15	73.15
Eom	72.98	72.98	72.95	72.97	73.00	73.00	73.05	73.05	73.12	73.12	73.15	73.10

1959

5	73.17	73.24	73.21	73.23	73.25	73.25	.....	73.30	73.33	73.38	73.43	73.43
10	73.16	73.22	73.16	73.23	73.24	73.27	.....	73.31	73.34	73.39	73.39	73.43
15	73.20	73.17	73.20	73.21	73.24	.....	.....	73.31	73.35	73.37	73.39	73.44
20	73.20	73.20	73.21	73.23	73.25	.....	73.27	73.33	73.34	73.38	73.43	73.45
25	73.18	73.20	73.22	73.23	73.23	.....	.....	73.33	73.34	73.36	73.39	73.42
Eom	73.21	73.20	73.20	73.22	73.25	.....	.....	73.33	73.36	73.41	73.43	73.44

T-8. City of Lubbock. Test well. Lat 34°12', long 102°54'. Drilled test and observation water-table well in sand, diam 4 in, depth 240 ft. Lsd 3,885.4 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 17.39 below lsd, Oct. 15-Nov. 8, 1952; lowest 25.26 below lsd, Nov. 19-24, 1959. Records available: 1952-59. Recorder installed Aug. 22, 1952.

Highest water level for the day, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	17.44	17.40	17.39	17.41
10	.....	.....	.....	.....	.....	.....	.....	.....	17.43	17.40	17.40	17.42
15	.....	.....	.....	.....	.....	.....	.....	.....	17.42	17.39	17.40	17.42
20	.....	.....	.....	.....	.....	.....	.....	.....	17.42	17.39	17.40	17.42
25	.....	.....	.....	.....	.....	.....	.....	17.46	17.41	17.39	17.40	17.42
Eom	.....	.....	.....	.....	.....	.....	.....	17.45	17.40	17.39	17.40	17.43

T-8--Continued.

1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	17.49	17.54	17.56	17.59	17.64	17.68	17.79	17.86	.....	.....	.....
10	.....	17.49	17.54	17.57	17.61	17.65	17.69	17.80	17.87	.....	.....	.....
15	.....	17.50	17.54	17.57	17.61	17.65	17.70	17.82	17.88	.....	.....	.....
20	17.48	17.51	17.55	17.58	17.62	17.66	17.72	17.83	.....	18.53	.....	.....
25	17.48	17.52	17.55	17.58	17.62	17.67	17.74	17.83	.....	18.57	.....	.....
Eom	17.49	17.53	17.56	17.59	17.64	17.67	17.77	17.85	.....	.....	.....	.....

1954

5	.....	18.23	.....	.....	.....	.....	.....	.....	18.66	18.74	.....	.....
10	.....	18.24	.....	.....	.....	.....	.....	.....	18.68	18.75	.....	.....
15	18.19	.....	.....	.....	.....	.....	.....	18.60	.....	18.76	.....	.....
20	18.20	.....	.....	.....	.....	.....	.....	18.61	18.70	.....	.....	.....
25	18.21	.....	.....	.....	.....	.....	.....	18.64	18.72	.....	.....	.....
Eom	18.22	.....	.....	.....	.....	.....	.....	18.65	18.73	.....	.....	.....

1955

5	.....	19.04	.....	.....	19.21	.....	.....	.....	.....	.....	.....	.....
10	.....	19.05	.....	19.17	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	19.06	.....	19.18	.....	.....	.....	.....	.....	.....	.....	.....
20	19.03	19.07	.....	19.19	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	19.08	.....	19.20	.....	.....	.....	.....	.....	.....	.....	.....
Eom	19.04	19.10	.....	19.20	.....	.....	.....	.....	.....	.....	.....	.....

1956

5	.....	19.96	.....	.....	.....	.....	.....	.....	20.42	20.61	20.81	21.00
10	.....	19.98	.....	.....	.....	.....	.....	.....	20.43	20.65	20.84	.....
15	19.89	.....	.....	.....	.....	.....	.....	.....	20.45	20.67	20.87	.....
20	19.91	.....	.....	.....	.....	.....	.....	.....	20.50	20.71	20.90	.....
25	19.93	.....	.....	.....	.....	.....	.....	20.41	20.56	20.75	20.93	.....
Eom	19.95	.....	.....	.....	.....	.....	.....	20.41	20.59	20.79	20.95	.....

1957

5	.....	21.31	21.26	21.05	.....	21.65	21.83	21.98	.....	22.68	22.85	23.02
10	.....	21.35	21.16	21.07	.....	21.69	21.85	22.05	.....	22.71	.....	23.04
15	21.22	21.35	21.05	21.09	.....	21.73	21.86	22.13	.....	22.75	.....	23.06
20	21.23	21.37	21.00	21.10	.....	21.74	21.88	.....	22.58	22.75	.....	23.10
25	21.27	21.39	21.02	.....	21.67	21.78	21.89	.....	22.62	22.80	.....	23.13
Eom	21.29	21.36	21.04	.....	21.48	21.81	21.94	.....	22.64	22.83	.....	23.15

1958

5	.....	23.28	23.36	23.45	.....	23.58	.....	23.61	.....	24.06	24.15	24.26
10	.....	23.28	23.38	23.47	.....	23.60	23.60	23.63	.....	24.07	24.18	24.28
15	.....	23.30	23.38	23.49	.....	23.61	23.58	23.66	23.98	24.09	24.19	24.29
20	.....	23.32	23.40	.....	23.55	23.61	23.56	23.69	24.01	24.11	24.21	24.30
25	.....	23.33	23.41	.....	23.56	23.61	23.56	.....	.....	24.13	24.24	24.32
Eom	.....	23.35	23.43	.....	23.58	.....	23.56	.....	24.04	24.13	24.24	24.34

1959

5	24.35	24.41	24.52	24.60	24.68	24.69	24.62	24.70	24.85	25.05	25.17	25.23
10	24.35	24.44	24.54	24.60	24.69	24.62	24.63	24.71	24.89	25.07	25.18	25.22
15	24.36	24.46	24.56	24.60	24.69	24.63	24.63	24.73	24.93	25.09	25.20	25.20
20	24.38	24.49	24.57	24.61	24.70	24.63	24.64	24.74	24.96	25.11	25.26	25.20
25	24.40	24.50	24.59	24.66	24.68	24.63	24.65	.....	24.99	25.13	25.24	25.19
Eom	24.41	24.50	24.60	24.67	24.70	24.63	24.67	24.74	25.03	25.14	25.23	25.20

Bastrop County

B-9. D. W. Dalley. Lat 30°22', long 97°21'. Dug domestic water-table well in sand, diam 36 in, depth 76 ft, curbed with concrete rings. MP top of wood cover, 1.50 ft above lsd. Highest water level 59.49 below lsd, Feb. 9, 1956; lowest 71.61 below lsd, Aug. 26, 1958.

Records available: 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 2, 1950	69.04	Apr. 15, 1952	67.88	May 17, 1954	66.90	Aug. 21, 1958	69.75
Sept. 14	69.76	May 9	71.50	Aug. 5	69.16	Nov. 27	68.64
Oct. 11	69.63	Sept. 18	68.73	Dec. 2	69.95	Feb. 15, 1957	68.29
Nov. 9	70.85	Jan. 21, 1953	67.12	May 18, 1955	68.11	Aug. 7	63.88
Dec. 14	64.93	Apr. 9	67.93	Aug. 19	70.23	Nov. 15	66.32
Apr. 27, 1951	70.72	May 20	68.47	Nov. 14	69.35	Apr. 7, 1958	67.58
June 5	59.82	Sept. 15	71.18	Feb. 9, 1956	59.49	Aug. 26	71.61
Feb. 21, 1952	71.28	Feb. 16, 1954	69.79	May 7	68.54	Nov. 25, 1959	67.64

B-51. U. S. Government. Camp Swift, well 7. Lat 30°11', long 97°18'. Drilled unused artesian well in sand, diam 10 to 8 in, depth 672 ft, screened opposite sands below 352. Lsd 462.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 109.30 below lsd, Feb. 21, 1952; lowest 121.82 below lsd, Apr. 10, 1946. Records available: 1943, 1946, 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1943	g140	Feb. 21, 1952	109.30	May 17, 1954	116.17	Aug. 21, 1956	116.60
Apr. 10, 1946	121.82	Apr. 15	116.07	Aug. 5	116.20	Nov. 27	116.92
June 15, 1950	117.35	May 9	115.97	Dec. 2	117.70	Feb. 13, 1957	117.06
Sept. 14	116.01	Sept. 18	115.90	May 18, 1955	116.20	Aug. 7	118.12
Oct. 11	116.29	Dec. 5	116.34	Aug. 19	116.21	Nov. 15	115.17
Nov. 9	116.11	Jan. 21, 1953	116.35	Nov. 4	117.18	Apr. 7, 1958	114.93
Dec. 14	116.05	Apr. 9	116.03	Feb. 9, 1956	116.48	Aug. 26	116.64
Apr. 27, 1951	116.02	May 20	115.88	May 7	117.33	Nov. 25, 1959	114.66
June 5	115.88	Feb. 16, 1954	116.17				

g Measurement by outside agency.

D-2(1). Cottonwood School. Lat 30°09', long 97°30'. Dug unused water-table well in sand, diam 30 in, depth 26 ft, curbed with concrete rings. MP top of concrete curb, 2.00 ft above lsd. Highest water level 6.99 below lsd, June 2, 1941; lowest 23.63 below lsd, Aug. 19, 1955. Records available: 1938-41, 1950-59.

Jan. 6, 1938	11.78	Sept. 14, 1950	13.74	Apr. 12, 1953	14.93	Feb. 9, 1956	19.42
Apr. 22	7.86	Oct. 11	14.17	May 20	13.24	May 7	19.96
Oct. 17	10.43	Nov. 9	14.00	Sept. 16	15.82	Aug. 21	22.20
Feb. 1, 1939	10.40	Dec. 14	13.96	Feb. 16, 1954	13.96	Nov. 27	23.02
May 1	11.21	Apr. 27, 1951	13.43	May 17	15.86	Feb. 13, 1957	22.91
July 14	12.83	Feb. 21, 1952	17.54	Aug. 5	18.32	Aug. 7	17.10
Dec. 5	14.08	Apr. 15	17.02	Dec. 2	19.95	Nov. 15	11.38
Apr. 1, 1940	14.32	May 9	16.80	May 18, 1955	17.73	Apr. 7, 1958	7.31
July 9	14.85	Sept. 18	19.44	Aug. 19	23.63	Aug. 26	15.33
Nov. 21	14.90	Nov. 7	20.44	Nov. 4	20.21	Nov. 24, 1959	15.65
June 2, 1941	6.99	Jan. 21, 1953	16.03				

D-28. Amada Reyes. Lat 30°05', long 97°31'. Dug domestic water-table well in sand, diam 48 in, depth 36 ft, curbed with brick to 16. MP top of wood box, 3.20 ft above lsd. Highest water level 18.33 below lsd, May 20, 1953; lowest 26.01 below lsd, Aug. 21, 1956. Records available: 1946, 1950-59.

July 18, 1946	21.34	May 9, 1952	22.92	May 17, 1954	19.70	Aug. 21, 1956	26.01
Sept. 14, 1950	18.99	Sept. 18	23.06	Aug. 5	22.12	Nov. 27	23.07
Oct. 11	18.97	Nov. 13	19.28	Dec. 2	22.92	Feb. 15, 1957	23.34
Nov. 9	18.78	Jan. 21, 1953	18.72	May 18, 1955	20.99	Aug. 7	20.44
Dec. 14	18.83	Apr. 12	18.44	Aug. 19	19.74	Nov. 15	18.78
Apr. 27, 1951	19.11	May 20	18.33	Nov. 4	18.49	Apr. 7, 1958	18.69
Feb. 21, 1952	22.89	Sept. 16	18.92	Feb. 9, 1956	18.71	Aug. 26	20.56
Apr. 15	23.03	Feb. 16, 1954	18.60	May 7	18.99	Nov. 24, 1959	19.29

D-50. Cass Callahan. Lat 30°01', long 97°26'. Dug domestic water-table well in sand, diam 30 in, depth 32 ft, curbed with brick. MP top of curb, 1.00 ft above lsd. Highest water level 19.98 below lsd, Oct. 11, 1950; lowest 28.30 below lsd, Nov. 27, 1956. Records available: 1946, 1950-59.

July 29, 1946	20.00	May 9, 1952	23.12	Aug. 5, 1954	24.49	Nov. 27, 1956	28.30
Sept. 14, 1950	20.32	Sept. 18	24.33	Dec. 2	25.15	Feb. 13, 1957	28.12
Oct. 11	19.98	Jan. 21, 1953	24.22	May 18, 1955	25.03	Aug. 7	25.04
Nov. 9	20.30	Apr. 12	23.59	Aug. 19	26.03	Nov. 15	23.37
Dec. 14	20.60	May 20	22.39	Nov. 4	25.89	Apr. 7, 1958	19.99
Apr. 27, 1951	21.09	Sept. 16	23.62	Feb. 9, 1956	26.25	Aug. 26	22.42
Feb. 21, 1952	23.10	Feb. 16, 1954	22.53	May 7	26.66	Nov. 24, 1959	23.89
Apr. 15	23.15	May 17	23.04	Aug. 21	27.99		

#### Baylor County

1. Mrs. Lem Bellows. Lat 33°37', long 99°17'. Drilled irrigation water-table well in sand and gravel, diam 14 in, depth 36 ft, cased to 36, casing slotted. MP crack in casing, 0.10 ft above lsd. Highest water level 13.79 below lsd, Jan. 5, 1956; lowest 17.54 below lsd, Jan. 12, 1957. Records available: 1955-58. Jan. 5, 1955, 14.89; Jan. 5, 1956, 13.79; Jan. 12, 1957, 17.54; Jan. 12, 1958, 16.40. No measurement made in 1959.



3. Mrs. Nick Mitchel. Lat 33°36', long 99°18'. Drilled irrigation water-table well in sand and gravel, diam 42 to 14 in, cept 25 ft, cased, 42-in 0-12, 14-in 10-25, slotted 12-25. MP top of concrete curb, 1.00 ft above lsd. Highest water level 15.06 below lsd, Jan. 5, 1956; lowest 17.14 below lsd, Jan. 12, 1957. Records available: 1955-58. Jan. 5, 1955, 15.35; Jan. 5, 1956, 15.06; Jan. 12, 1957, 17.14; Jan. 12, 1958, 15.36. Measurement discontinued.

5. J. T. St. Clair. Lat 33°35', long 99°18'. Dug and drilled irrigation water-table well in sand and gravel, diam 4 x 6 ft to 16 in, depth 24 ft, concrete-lined pit to 10 ft, slotted casing 10-24. MP top of concrete curb, 0.50 ft above lsd. Highest water level 16.53 below lsd, Jan. 12, 1958; lowest 19.77 below lsd, Jan. 12, 1957. Records available: 1955-58. Jan. 5, 1955, 18.60; Jan. 5, 1956, 17.95; Jan. 12, 1957, 19.77; Jan. 12, 1958, 16.53. No measurement made in 1959.

10. Owner unknown. Lat 33°38', long 99°22'. Drilled irrigation water-table well in sand and gravel, diam 12 in, depth 35 ft, casing slotted. MP top of casing, 0.50 ft above lsd. Highest water level 17.43 below lsd, Jan. 5, 1956; lowest 18.51 below lsd, Jan. 17, 1957. Records available: 1956-58. Jan. 5, 1956, 17.43; Jan. 17, 1957, 18.51; Jan. 12, 1958, 18.34. No measurement made in 1959.

### Bexar County

15(H-17). Robert Mechler. Lat 29°22', long 98°46'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 918 ft. Lsd 809.14 ft above msl. MP top of water pipe clamp, 1.50 ft above lsd. Highest water level 102.36 below lsd, Jan. 28, 1935 (previously reported 102.95 below lsd, Jan. 4, 1937); lowest 187.65 below lsd, Aug. 1, 1956. Records available: 1933-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	171.30	Jan. 2, 1957	177.16	Jan. 8, 1958	143.04	Jan. 8, 1959	112.10
Feb. 6	166.70	Feb. 4	177.78	Feb. 12	137.42	Feb. 11	113.70
Mar. 5	173.54	Mar. 4	175.92	Mar. 5	127.80	Mar. 4	111.92
Apr. 2	175.74	Apr. 1	172.85	Apr. 3	128.15	Apr. 1	115.76
30	177.56	May 6	160.49	May 6	125.80	May 5	114.55
June 4	180.53	June 3	152.01	June 4	131.26	June 1	118.41
July 2	183.80	July 1	157.91	July 8	132.68	July 9	123.85
Aug. 1	187.65	Aug. 5	172.44	Aug. 6	136.44	Aug. 6	124.67
27	183.86	Sept. 3	173.15	Sept. 8	137.35	Sept. 1	123.81
Oct. 2	186.22	Oct. 7	161.41	Oct. 8	120.73	Oct. 1	123.10
Nov. 5	179.93	Nov. 6	150.94	Nov. 5	111.43	Nov. 4	115.74
Dec. 4	179.86	Dec. 3	146.73	Dec. 3	110.25	Dec. 3	114.98

26(H-13). Fuller's Earth Plant. Turkey Ranch. Lat 29°22', long 98°42'. Drilled unused artesian well in Edwards limestone, diam 6 in, depth 778 ft. Lsd 788.15 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 89.00 below lsd, Jan. 6, 1937 (previously reported 89.68 below lsd, June 28, 1935); lowest 171.44 below lsd, Aug. 1, 1956. Records available: 1933-59.

Jan. 3, 1956	155.57	Jan. 2, 1957	160.58	Jan. 8, 1958	128.09	Jan. 8, 1959	97.82
Feb. 6	154.24	Feb. 4	161.02	Feb. 12	120.72	Feb. 11	98.45
Mar. 5	157.83	Mar. 4	159.46	Mar. 6	112.25	Mar. 4	97.66
Apr. 2	160.45	Apr. 1	156.67	Apr. 3	112.44	Apr. 1	101.37
30	161.50	May 6	144.32	May 6	109.90	May 5	100.19
June 4	165.85	June 3	135.81	June 4	116.62	June 1	103.97
July 2	168.80	July 1	142.62	July 8	118.21	July 9	109.98
Aug. 1	171.44	Aug. 5	156.08	Aug. 6	124.12	Aug. 6	111.46
27	168.24	Sept. 3	157.29	Sept. 8	126.86	Sept. 1	109.68
Oct. 2	169.83	Oct. 8	145.73	Oct. 9	104.06	Oct. 1	109.44
Nov. 5	163.42	Nov. 6	135.55	Nov. 5	96.77	Nov. 4	101.41
Dec. 4	163.58	Dec. 3	131.10	Dec. 3	96.54	Dec. 3	100.44

28(I-57). A. J. McCully. Lat 29°24', long 98°37'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 888 ft. Lsd 744.45 ft above msl. MP top of water pipe clamp, 1.00 ft above lsd. Highest water level 48.13 below lsd, June 28, 1935; lowest 127.21 below lsd, Aug. 1, 1956. Records available: 1933-59.

Jan. 3, 1956	110.87	Aug. 27, 1956	123.71	Aug. 5, 1957	112.07	June 4, 1958	73.00
Feb. 7	109.86	Oct. 2	125.16	Sept. 3	112.94	July 8	73.90
Mar. 4	113.55	Jan. 2, 1957	115.66	Oct. 8	101.14	Aug. 6	83.67
Apr. 2	115.68	Feb. 4	116.19	Nov. 7	91.81	Sept. 8	80.68
30	116.77	Mar. 4	114.55	Feb. 12, 1958	76.71	Oct. 10	68.19
June 4	121.80	Apr. 1	111.72	Mar. 7	69.29	Nov. 5	55.86
July 2	(a)	May 6	99.49	Apr. 3	70.36	Dec. 3	57.40
Aug. 1	127.21	June 3	90.80	May 9	68.97	Jan. 8, 1959	57.90

28(I-57)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1959	58.79	May 9, 1959	60.89	Aug. 6, 1959	72.78	Nov. 4, 1959	62.21
Mar. 4	57.98	June 1	64.40	Sept. 1	69.96	Dec. 3	61.32
Apr. 1	61.56	July 9	71.36	Oct. 1	69.95		

a Well being pumped.

224. City of San Antonio. Acme Rd. well at west city limits. Lat 29°25', long 98°32'. Drilled observation artesian well in Edwards limestone, diam 24 to 12 in, depth 965 ft. Lsd 723.75 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 40.0 below lsd, Nov. 10, 1958; lowest 110.59 below lsd, Aug. 17, 1956. Records available: 1944, 1948-59.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	92.6	91.1	94.2	98.2	97.7	102.6	103.9	108.5	103.3	106.1	99.7	99.4
10	92.7	91.2	95.1	97.4	99.9	.....	105.1	109.5	102.9	106.9	99.0	98.9
15	92.7	91.6	94.3	98.5	99.9	.....	105.5	110.2	104.6	105.0	98.9	98.9
20	92.3	92.4	95.8	98.9	99.5	102.1	107.0	108.0	106.0	102.2	98.7	97.8
25	91.6	92.5	95.6	97.2	100.8	102.9	107.5	106.4	106.4	101.2	99.0	96.9
Eom	91.6	93.7	97.1	....	.....	104.9	107.7	105.5	106.6	100.7	98.9	96.9

1957

5	97.1	97.1	95.8	93.1	80.2	71.3	83.1	92.7	93.1	81.9	72.7	68.8
10	97.4	97.7	95.9	93.7	81.3	70.9	84.9	94.6	91.7	82.0	73.3	68.6
15	97.4	98.5	96.9	93.3	82.3	72.5	86.4	95.7	91.0	81.2	71.5	69.6
20	96.9	97.0	95.5	90.7	81.1	73.9	89.2	94.6	92.2	81.1	70.9	69.3
25	97.4	95.4	92.8	86.4	82.5	76.5	90.7	94.6	82.5	74.0	69.9	69.7
Eom	96.7	96.0	92.8	79.5	75.1	79.8	92.7	95.2	80.4	72.9	69.3	68.4

1958

5	67.1	59.1	51.2	52.5	50.1	57.1	59.7	66.0	68.0	46.1	40.4	41.1
10	65.2	58.9	51.0	53.6	49.5	58.9	56.8	68.1	63.6	46.4	40.0	41.5
15	62.9	59.2	51.3	53.5	49.6	61.0	56.5	67.0	61.9	46.2	40.2	42.1
20	61.5	59.4	51.3	53.6	49.5	61.0	59.1	67.5	58.9	45.8	40.5	42.5
25	60.3	53.2	51.2	55.0	50.8	58.1	61.9	66.0	49.5	45.8	40.5	42.4
Eom	59.6	52.2	51.7	54.9	54.3	57.7	64.6	61.1	46.9	42.4	40.8	42.3

1959

5	42.8	43.3	42.8	45.2	43.9	50.0	53.1	55.5	55.8	49.7	46.8	46.0
10	42.8	43.4	43.6	44.7	43.7	51.5	55.1	54.7	55.2	48.4	47.0	46.1
15	42.7	43.2	44.0	43.6	....	53.5	53.3	55.9	53.3	47.7	46.7	45.9
20	42.8	42.9	44.6	43.0	....	56.7	53.8	58.1	55.6	47.1	46.3	45.4
25	43.4	42.6	45.2	43.6	....	56.9	51.9	55.0	54.1	47.4	45.9	45.0
Eom	43.5	42.6	....	44.4	....	52.5	52.3	53.2	53.5	47.6	45.6	45.1

e Estimated.

436. Ed Steves & Sons. Beverly Lodges. Lat 29°28', long 98°26'. Drilled unused artesian well in Edwards limestone, diam 12 in, depth 756 ft. Lsd 722.56 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 37.02 below lsd, June 26, 1935 (previously reported 37.20 below lsd, Oct. 25, 1942); lowest 110.05 below lsd, Aug. 17, 1956. Records available: 1932-59.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	92.1	90.7	93.8	97.6	97.3	101.7	103.3	107.8	102.6	105.4	98.9	98.6
10	92.3	90.7	94.5	96.9	99.6	102.4	104.7	108.9	102.2	106.3	98.2	98.2
15	92.3	91.2	93.7	98.1	99.3	103.8	104.8	109.6	104.1	104.2	98.2	98.0
20	91.8	91.8	85.3	98.3	99.0	101.6	106.4	108.8	105.4	101.5	97.8	97.0
25	91.2	92.0	95.0	96.7	100.4	102.9	106.4	105.0	105.8	100.4	98.2	96.2
Eom	91.2	93.3	96.5	97.6	100.3	104.5	107.2	105.0	105.8	99.9	98.1	95.7

1957

5	96.30	96.29	95.02	92.63	80.28	71.90	83.74	93.29	93.08	81.89	73.25	69.43
10	96.65	97.03	95.14	93.31	81.66	71.62	84.99	95.06	91.74	82.07	73.78	69.26
15	96.62	97.78	96.29	92.82	82.51	73.37	87.06	95.86	90.95	81.35	72.05	69.70
20	96.10	96.37	94.95	90.35	81.15	74.69	89.95	93.78	92.35	81.20	71.44	69.86
25	96.00	94.68	92.29	86.62	82.68	77.00	91.13	95.00	84.12	74.64	70.48	69.78
Eom	95.91	95.27	92.33	79.75	75.37	80.63	93.27	95.37	80.50	73.53	69.78	68.49

436--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	68.00	60.28	52.57	53.85	51.98	58.82	61.28	67.81	69.35	48.60	43.53	43.88
10	66.07	59.97	52.36	54.70	51.35	60.58	58.20	69.50	64.72	48.92	43.00	44.13
15	63.95	60.34	52.57	54.42	51.26	63.23	58.35	68.43	62.80	48.63	43.26	44.78
20	62.47	60.45	52.53	54.83	51.16	62.47	60.82	69.05	57.40	48.16	43.49	45.12
25	61.53	54.74	52.46	56.24	52.45	59.37	63.55	67.45	52.11	48.26	43.46	44.98
Eom	.....	53.59	52.95	56.12	55.72	59.23	66.26	69.70	49.54	45.33	43.65	44.94

1959

5	45.47	45.65	45.22	48.55	47.20	52.33	55.45	58.23	58.05	52.23	49.28	48.27
10	45.34	45.84	45.99	47.93	47.44	53.83	57.76	57.00	57.23	50.87	49.48	48.42
15	45.23	45.81	46.43	46.98	48.65	55.75	55.67	58.26	55.33	50.08	49.13	48.22
20	45.35	45.45	47.07	46.33	48.65	59.19	56.25	60.56	57.51	49.52	48.68	47.72
25	45.72	45.14	47.83	47.05	48.01	56.57	54.11	57.10	56.24	49.90	47.78	47.47
Eom	45.97	45.12	48.07	47.94	50.15	54.63	54.72	55.40	55.58	49.75	47.19	47.46

XB-1(I-122). Robert Boenig. Lat 29°23', long 98°39'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 916 ft. Lsd 80.13 ft above msl. MP top of water pipe clamp, 0.60 ft above lsd. Highest water level 105.27 below lsd, Nov. 5, 1958; lowest 178.11 below lsd, Aug. 1, 1956. Records available: 1937-59. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	162.42	Jan. 2, 1957	167.07	Feb. 12, 1958	122.40	Jan. 8, 1959	107.30
Feb. 6	160.86	Feb. 4	166.96	Mar. 6	118.33	Mar. 4	107.41
Mar. 5	164.46	Mar. 4	165.27	Apr. 3	119.07	Apr. 1	111.09
Apr. 2	166.97	Apr. 1	162.32	May 6	116.68	May 5	109.89
30	167.90	May 6	150.08	June 5	122.26	June 1	113.45
June 4	172.58	June 3	141.29	July 8	123.13	July 9	120.70
July 2	175.23	July 1	148.47	Aug. 6	128.54	Aug. 6	121.97
Aug. 1	178.11	Aug. 5	162.34	Sept. 8	132.63	Sept. 1	119.52
27	175.05	Sept. 3	163.32	Oct. 10	112.26	Oct. 1	119.44
Oct. 2	176.34	Oct. 8	151.23	Nov. 5	105.27	Nov. 4	111.73
Nov. 5	169.93	Dec. 3	136.60	Dec. 3	106.63	Dec. 3	110.88
Dec. 4	170.11	Jan. 8, 1958	127.40				

XB-2(H-16). Oscar Bippert. Lat 29°30', long 98°24'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 830 ft. Lsd 760.33 ft above msl. MP top of water pipe clamp, 1.30 ft above lsd. Highest water level 58.29 below lsd, Dec. 3, 1942 (previously reported 58.60 below lsd, May 28, 1941); lowest 138.95 below lsd, Aug. 1, 1956. Records available: 1934, 1937-45, 1947-59.

Jan. 3, 1956	123.16	Jan. 2, 1957	128.52	Jan. 8, 1958	95.18	Jan. 9, 1959	64.50
Feb. 6	121.73	Feb. 4	128.91	Feb. 12	87.85	Feb. 11	65.38
Mar. 5	125.40	Mar. 4	127.44	Mar. 5	79.38	Mar. 4	64.63
Apr. 2	127.97	Apr. 1	124.34	Apr. 3	79.43	Apr. 1	68.39
30	129.08	May 6	112.15	May 6	77.32	May 5	67.20
June 4	133.38	June 3	103.68	June 4	84.74	June 1	71.12
July 2	136.19	July 1	109.51	July 8	86.26	July 9	76.46
Aug. 1	138.95	Aug. 5	122.83	Aug. 5	91.10	Aug. 6	77.40
26	136.04	Sept. 3	124.40	Sept. 8	95.84	Sept. 1	76.19
Oct. 2	137.48	Oct. 7	112.11	Oct. 10	72.26	Oct. 1	75.81
Nov. 5	131.24	Nov. 6	103.95	Nov. 5	62.89	Nov. 4	67.63
Dec. 4	131.38	Dec. 3	100.46	Dec. 3	63.02	Dec. 3	67.13

XB-3(F-86, F-189). Beitel Church. Lat 29°30', long 98°24'. Drilled domestic artesian well in Edwards limestone, diam 6 in. Lsd 714.80 ft (previously reported 721.63 ft) above msl. MP top of casing, 1.20 ft above lsd. Highest water level 39.51 below lsd, Dec. 1, 1958; lowest 102.27 below lsd, Aug. 2, 1956. Records available: 1933-35, 1938-58. No measurement made in 1959.

Jan. 4, 1956	86.89	Oct. 3, 1956	101.60	July 2, 1957	78.51	Apr. 2, 1958	48.36
Feb. 8	85.25	Nov. 8	92.77	Aug. 6	90.97	May 8	46.52
Mar. 8	89.47	Dec. 7	93.23	Sept. 4	87.60	June 3	52.05
Apr. 3	91.81	Jan. 4, 1957	90.46	Oct. 1	74.46	July 3	55.69
May 2	91.62	Feb. 5	90.82	Nov. 4	68.09	Aug. 5	63.50
June 5	96.77	Mar. 6	89.61	Dec. 2	61.18	Sept. 4	65.06
July 3	97.78	Apr. 2	86.48	Jan. 6, 1958	62.28	Oct. 8	44.62
Aug. 2	102.27	May 9	75.79	Feb. 11	55.14	Nov. 3	39.98
28	98.55	June 4	66.95	Mar. 4	47.94	Dec. 1	39.51

Brazoria County

18. Humble Oil & Refining Co. Lat 29°12', long 95°49'. Drilled unused artesian well in sand, diam 4 in, depth 473 ft, screened 438-473. MP top of casing inside 4-in tee, 2.50 ft above lsd. Highest water level 8.61 below lsd, Nov. 7, 1946; lowest 34.25 below lsd, Aug. 7, 1957. Records available: 1949-58. Jan. 25, 1956, 28.74; Aug. 8, 34.18; Jan. 31, 1957, 33.14; Aug. 7, 34.25; Jan. 30, 1958, 31.30. No measurement made in 1959.

100. Phillips Petroleum Co. Lat 29°04', long 95°44'. Drilled observation artesian well in sand, diam 4 in, depth 150 ft, screened 132-142. MP top of casing, 1.80 ft above lsd. Highest water level 9.64 below lsd, Nov. 5, 1946; lowest 69.43 below lsd, July 30, 1956. Records available: 1942, 1944, 1946-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1956	22.79	Sept. 10, 1956	60.98	June 17, 1957	56.45	Jan. 27, 1958	42.53
Mar. 5	62.33	Dec. 10	65.17	Aug. 5	66.10	30	38.54
July 30	69.43	Jan. 30, 1957	65.87	Oct. 7	55.72	Aug. 13	45.05
Aug. 8	64.45	Mar. 25	47.00				

308. Freeport city well 6. 1231 West 8th St., Freeport. Lat 28°56' (previously reported 28°51'), long 95°21'. Drilled public-supply artesian well in sand, diam 14 to 8 in, depth 249 ft, screened 206-247. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 58.5 below lsd, June 27, 1941; lowest 156.18 below lsd, Jan. 26, 1956. Records available: 1941, 1946, 1949-58. Well located in well field where there is intermittent pumping. Jan. 26, 1956, 156.18; Aug. 8, 134.19; Jan. 29, 1957, 143.60; Aug. 6, 131.12; Feb. 4, 1958, 122.92; Aug. 12, 141.33. No measurement made in 1959.

415. Humble Oil & Refining Co. Lat 29°16', long 95°20'. Drilled unused artesian well in sand, diam 4 in, depth 400 ft. MP top of casing threads, 1.70 ft above lsd. Highest water level 1.06 below lsd, July 29, 1946; lowest 13.15 below lsd, Jan. 25, 1957. Records available: 1946, 1948-59. Jan. 20, 1956, 8.38; Aug. 3, 9.13; Jan. 25, 1957, 13.15; Aug. 9, 8.50; Jan. 22, 1958, 7.04; Aug. 8, 7.73; Aug. 15, 1959, 5.70.

432. Humble Oil & Refining Co. Lat 29°13', long 95°26'. Drilled unused artesian well in sand, diam 4 in, depth 618 ft, screened 594-617. MP top of 4-in nipple, 2.00 ft above lsd. Highest water level 8.84 below lsd, Oct. 7, 1946; lowest 43.82 below lsd, Jan. 28, 1957. Records available: 1946, 1948-57. Jan. 19, 1956, 30.85; Aug. 9, 34.00; Jan. 28, 1957, 43.82; Aug. 8, 27.48. Measurement discontinued.

515. Otto Sens Club. Lat 29°22', long 95°28'. Drilled unused artesian well in sand, diam 2 in, depth 900 ft. MP top of casing, 0.20 ft above lsd. Highest water level 9.87 below lsd, May 22, 1939; lowest 59.06 below lsd, Aug. 2, 1956. Records available: 1939, 1946, 1948-57. Jan. 19, 1956, 50.60; Aug. 2, 59.06; Jan. 28, 1957, 55.76; Aug. 8, 53.63. No measurement made in 1958 or 1959.

522. C. Martin. Lat 29°25', long 95°26'. Drilled unused artesian well in sand, diam 26 to 10 in, depth 906 ft, screened opposite sands below 361. MP top of pumpbase, at lsd. Highest water level 7.92 below lsd, Apr. 10, 1931; lowest 53.63 below lsd, Aug. 8, 1957. Records available: 1931, 1939, 1946, 1948-54, 1956-58. Jan. 19, 1956, 40.85; Aug. 2, 41.15; Jan. 28, 1957, 44.34; Aug. 8, 53.63; Feb. 5, 1958, 42.07. Measurement discontinued.

526. Humble Oil & Refining Co. Lat 29°24', long 95°17'. Drilled unused artesian well in sand, diam 4 in, depth 666 ft, screened 631-663. MP top of casing, 1.80 ft above lsd. Highest water level 28.87 below lsd, Aug. 27, 1946; lowest 56.27 below lsd, Aug. 2, 1956. Records available: 1946, 1949-56. Jan. 30, 1956, 55.42; Aug. 2, 56.27. Measurement discontinued.

559. Dr. E. W. Andrau. Lat 29°20', long 95°12'. Drilled unused artesian well in sand, diam 16 to 10 in, depth 1,185 ft, screened opposite sands 344-906. MP top of concrete base, 1.00 ft above lsd. Highest water level 46.27 below lsd, Aug. 28, 1946; lowest 73.24 below lsd, Jan. 25, 1957. Records available: 1946, 1948-57. Jan. 20, 1956, 69.71; Aug. 3, 71.24; Jan. 25, 1957, 73.24. Measurement discontinued.

612. C. H. Alexander. Lat 29°34', long 95°17'. Drilled irrigation artesian well in sand, diam 20 to 14 in, depth 1,773 ft, casing slotted opposite sands 350-1,300. MP lower edge of porthole, 4.00 ft above lsd. Highest water level 83.62 below lsd, Mar. 11, 1947; lowest 146.13 below lsd, Dec. 9, 1958. Records available: 1947-59.

612--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1956	134.18	Feb. 20, 1957	140.08	Feb. 26, 1958	140.11	Feb. 18, 1959	142.55
Sept. 14	143.84	Sept. 11	142.86	Sept. 19	145.71	Sept. 21	145.14
Dec. 12	141.70	Dec. 11	141.58	Dec. 9	146.13	Dec. 21	143.52

623. Stanolind Oil & Gas Co. Lat 29°30', long 95°15'. Drilled unused artesian well in sand, diam 8 to 6 in, depth 591 ft, cased, screened to 67. MP top of casing, 1.20 ft above lsd. Highest water level 94.01 below lsd, June 21, 1946; lowest 147.06 below lsd, Aug. 14, 1959. Records available: 1946, 1948-59. Jan. 19, 1956, 131.28; Aug. 2, 143.17; Jan. 25, 1957, 136.92; Aug. 12, 143.83; Feb. 5, 1958, 137.31; Aug. 7, 145.17; Aug. 14, 1959, 147.06.

639. Gulf Oil Corp. Lat 29°29', long 95°20'. Drilled farm artesian well in sand, diam 6 in, depth 480 ft, screened 440-480. MP 2-in opening in side of casing, 1.00 ft above lsd. Highest water level 58.48 below lsd, July 19, 1946; lowest 88.48 below lsd, Aug. 14, 1959. Records available: 1946, 1949-50, 1952-59. Jan. 19, 1956, 81.95; Aug. 2, 83.74; Jan. 23, 1957, 85.04; Aug. 12, 85.72; Feb. 5, 1958, 86.08; Aug. 7, 87.26; Aug. 14, 1959, 88.48.

Brazos County

I-1. Cloud Porterfield. Lat 30°41', long 96°30'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 60 ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 29.98 below lsd, June 20, 1957; lowest 33.50 below lsd, Nov. 5, 1959. Records available: 1957-59. Apr. 11, 1957, 30.58; May 22, 30.14; June 20, 29.98; Dec. 30, 31.80; Apr. 15, 1958, 31.58; July 18, 31.91; Nov. 5, 1959, 33.50.

I-2. H. D. Wilson Estate. Lat 30°40', long 96°33'. Drilled irrigation water-table well in sand and gravel, diam 15 in, depth about 80 ft. MP end of discharge pipe, 5.00 ft above lsd. Highest water level 34.13 below lsd, July 18, 1958; lowest 36.02 below lsd, Apr. 11, 1957. Records available: 1957-59. Apr. 11, 1957, 36.02; May 22, 35.93; June 20, 34.84; Dec. 30, 35.79; Apr. 15, 1958, 35.29; July 18, 34.13; Nov. 5, 1959, 35.94.

N-1. Vince (previously reported Vance) Court. Lat 30°38', long 96°32'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 64 ft. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 31.59 below lsd, July 18, 1958; lowest 34.13 below lsd, Dec. 30, 1957. Records available: 1957-59. Apr. 10, 1957, 33.31; May 22, 32.89; June 20, 32.72; Dec. 30, 34.13; Apr. 15, 1958, 32.81; July 18, 31.59; Nov. 5, 1959, 33.42.

N-4. Jack Demetary. Lat 30°38', long 96°33'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 67 ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 35.22 below lsd, July 18, 1958; lowest 37.23 below lsd, Dec. 30, 1957. Records available: 1957-59. Apr. 11, 1957, 35.84; May 22, 35.55; June 20, 35.35; Dec. 30, 37.23; Apr. 15, 1958, 36.16; July 18, 35.22; Nov. 5, 1959, 36.60.

Briscoe County

107. M. A. Graham. Lat 34°27', long 101°25'. Drilled unused water-table well in sand, diam 21 in, depth 200 ft, not cased. MP top of concrete base, 2.00 ft above lsd. Highest water level 85.90 below lsd, Mar. 14, 1946; lowest 89.83 below lsd, Jan. 9, 1959. Records available: 1946, 1948-59. Jan. 5, 1956, 88.67; Jan. 4, 1957, 89.03; Jan. 22, 1958, 89.37; Jan. 9, 1959, 89.83.

227. Watson Douglas. Lat 34°21', long 101°20'. Drilled unused water-table well in sand, diam 16 in, depth 219 ft, cased to 140. MP top of concrete base, 1.00 ft above lsd (since Jan. 6, 1956). Highest water level 77.00 below lsd, Jan. 7, 1953; lowest 84.90 below lsd, Jan. 7, 1958. Records available: 1946-55, 1958. Jan. 7, 1958, 84.90. No measurement made in 1956, 1957, or 1959.

234. Joe Mercer. Lat 34°25', long 101°15'. Drilled irrigation water-table well in sand, diam 21 in, depth 210 ft, not cased. MP hole in pumpbase, 1.70 ft above lsd. Highest water level 102.14 below lsd, Mar. 21, 1947; lowest 129.74 below lsd, Jan. 9, 1959. Records available: 1946-57, 1959. Jan. 6, 1956, 119.14; Jan. 4, 1957, 124.49; Jan. 9, 1959, 129.74. No measurement made in 1958.

Brooks County

202. E. C. Lasater Estate. Lat 27°14', long 98°12'. Drilled unused artesian well in Lissie formation or Goliad sand, diam 8 to 5 in, depth 112 ft. MP top of casing, 0.50 ft above lsd. 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, 1951-57. Feb. 6, 1956, 43.33; Feb. 11, 1957, 44.12. Measurement discontinued.

266a. Col. J. E. McDonald. Lat 27°14', long 98°10'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 601 ft. MP top of 4- x 6-in pipe clamp, 1.10 ft above lsd. Highest water level 42.30 below lsd, Mar. 13, 1946; lowest 71.02 below lsd, Feb. 11, 1957. Records available: 1946-58. Feb. 6, 1956, 67.68; Feb. 11, 1957, 71.02; Feb. 17, 1958, 67.20. No measurement made in 1959.

273. George Franks. Lat 27°13', long 98°10'. Drilled farm artesian well in Goliad sand, diam 5 in, depth 710 ft. Lsd 127.45 ft above msl. MP top of wood pipe clamp, 1.00 ft above lsd. Highest water level 8.58 below lsd, Feb. 3, 1936; lowest 79.95 below lsd (previously reported 79.75 below lsd), Feb. 4, 1952. Records available: 1932-33, 1935-41, 1943-47, 1949-58. Feb. 6, 1956, 72.92; Feb. 11, 1957, 75.71; Feb. 17, 1958, 73.37. No measurement made in 1959.

340. Dr. H. M. Bennett. Lat 27°11', long 98°08'. Drilled farm artesian well in Goliad sand, diam 6 to 4 in, depth 742 ft, cased, 6-in 0-42, 4-in 42-709. Lsd 109.75 ft above msl. MP top of wood pipe clamp, 1.70 ft above lsd. Highest water level 0.42 above lsd, Oct. 3, 1933; lowest 52.50 below lsd, Feb. 11, 1957. Records available: 1932-33, 1935, 1937-41, 1943-50, 1953-58. Feb. 6, 1956, 45.47; Feb. 11, 1957, 52.50; Feb. 17, 1958, 51.04. No measurement made in 1959.

405. A. Rupp. Lat 27°13', long 98°03'. Drilled farm artesian well in Goliad sand, diam 5 in, depth 612 ft. Lsd 98.00 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 15.30 below lsd, Oct. 4, 1933; lowest 75.30 below lsd, Feb. 7, 1955. Records available: 1932-33, 1935-41, 1943-56, 1958. Feb. 6, 1956, 71.55; Feb. 17, 1958, 74.94. No measurement made in 1957 or 1959.

865. Florencio Rodriguez. Lat 26°53', long 98°13'. Drilled unused artesian well in sand, diam 5 in, depth 130 ft. MP top of 4- x 4-in wood pipe clamp, 1.00 ft above lsd. Highest water level 75.03 below lsd, May 7, 1938; lowest 85.70 below lsd, Feb. 17, 1958. Records available: 1933, 1935-41, 1943-45, 1947-58. Feb. 6, 1956, 85.45; Feb. 11, 1957, 85.47; Feb. 17, 1958, 85.70. No measurement made in 1959.

Burleson County

E-1. Don Fizzino. Lat 30°36', long 96°32'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 62 ft. MP hole in pumpbase, 0.40 ft above lsd. Highest water level 27.80 below lsd, July 17, 1958; lowest 33.51 below lsd, Apr. 10, 1957. Records available: 1957-59. Apr. 10, 1957, 33.51; May 22, 30.99; June 20, 30.04; Dec. 30, 30.30; Apr. 15, 1958, 28.77; July 17, 27.80; Nov. 5, 1959, 28.71.

E-5. Sam C. Scarmardo. Lat 30°35', long 96°30'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 78 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 23.99 below lsd, July 17, 1958; lowest 29.35 below lsd, Apr. 10, 1957. Records available: 1957-59. Apr. 10, 1957, 29.35; May 22, 25.48; June 20, 28.11; Dec. 30, 27.89; Apr. 15, 1958, 25.72; July 17, 23.99; Nov. 5, 1959, 24.86.

L-1. Mrs. Haswell. Lat 30°34', long 96°29'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 60 ft. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 18.38 below lsd, Nov. 5, 1959; lowest 22.93 below lsd, Dec. 30, 1957. Records available: 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 10, 1957	22.48	June 20, 1957	21.79	Apr. 15, 1958	21.31	July 17, 1958	20.01
May 22	21.98	Dec. 30	22.93	25	21.22	Nov. 5, 1959	18.38

L-2. Owner unknown. Lat 30°31', long 96°26'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 57 ft. MP hole in pumpbase, 1.30 ft above lsd. Highest water level 12.36 below lsd, July 17, 1958; lowest 21.15 below lsd, Apr. 10, 1957. Records available: 1957-59.

Apr. 10, 1957	21.15	June 20, 1957	16.30	Apr. 15, 1958	13.79	July 17, 1958	12.36
May 22	15.87	Dec. 30	14.85	25	13.99	Nov. 5, 1959	14.40

Caldwell County

220. M. H. Riddle. Lat 29°55', long 97°33'. Drilled domestic artesian well in Wilcox formation, diam 6 in, depth 70 ft. MP top of pipe clamp, 1.20 ft above lsd. Highest water level 55.76 below lsd, Mar. 27, 1958; lowest 61.73 below lsd, May 13, 1954. Records available: 1946, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 12, 1946	58.28	July 15, 1954	60.20	Nov. 17, 1955	57.31	Dec. 14, 1956	57.30
May 28, 1952	57.21	Aug. 12	58.34	Dec. 16	56.82	Jan. 14, 1957	56.79
Sept. 30	57.16	Sept. 16	59.44	Jan. 19, 1956	56.60	Feb. 14	56.75
Feb. 16, 1953	58.60	Oct. 15	57.81	Feb. 16	56.27	Mar. 21	56.34
Mar. 21	55.90	Nov. 19	59.17	Mar. 19	57.29	May 16	56.44
May 7	56.74	Dec. 16	57.80	Apr. 16	57.82	June 19	57.40
July 7	57.99	Jan. 17, 1955	58.42	May 16	58.73	July 19	58.24
Oct. 15	57.33	May 11	56.98	June 21	57.49	Aug. 8	59.61
Feb. 10, 1954	57.03	June 10	57.18	July 16	58.91	Nov. 20	56.28
Mar. 9	57.44	July 21	59.41	Aug. 14	58.98	Mar. 27, 1958	55.76
Apr. 6	57.97	Aug. 18	58.87	Sept. 13	57.98	May 27	56.66
May 13	61.73	Sept. 14	59.47	Oct. 16	57.29	Aug. 25	56.96
June 14	58.40	Oct. 13	57.64	Nov. 20	57.15	Nov. 24, 1959	57.04

403. J. Sherry Estate. Lat 29°48', long 97°24'. Drilled domestic artesian well in Carizo sand, diam 2 in, depth 171 ft. MP top of casing, 2.00 ft above lsd. Highest water level 86.89 below lsd, Nov. 24, 1959; lowest 90.57 below lsd, Feb. 14, 1957. Records available: 1946, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26, 1946	87.96	Aug. 17, 1954	89.66	Feb. 28, 1956	90.16	Nov. 19, 1957	89.77
July 25, 1952	89.21	Dec. 17	89.07	June 20	90.30	Mar. 27, 1958	88.51
Sept. 30	89.16	May 13, 1955	89.83	Sept. 13	90.44	Aug. 25	87.93
Feb. 16, 1953	89.34	Aug. 22	90.04	Feb. 14, 1957	90.57	Nov. 24, 1959	86.89
Oct. 20	89.41	Nov. 18	90.13	June 18	90.44		

436. Mrs. Mamie McGee. Lat 29°49', long 97°31'. Drilled farm artesian well in Carizo sand, diam 4 in, depth 352 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 70 below lsd, 1944; lowest 79.92 below lsd, Feb. 10, 1954. Records available: 1944, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17, 1953	75.02	Aug. 12, 1954	76.32	Nov. 17, 1955	78.06	Mar. 21, 1957	78.07
Mar. 21	73.65	Sept. 16	79.20	Dec. 12	76.93	May 16	76.41
May 7	74.19	Oct. 15	75.95	Feb. 16, 1956	76.58	June 19	77.85
July 7	74.43	Nov. 19	79.83	May 16	77.07	July 19	76.83
Feb. 10, 1954	79.92	Dec. 16	75.92	June 21	79.37	Aug. 8	76.17
Apr. 6	75.00	Jan. 17, 1955	76.02	Oct. 16	76.57	Mar. 27, 1958	76.74
May 13	75.14	May 11	79.10	Dec. 14	78.27	May 27	76.45
June 14	75.45	June 10	76.06	Jan. 14, 1957	78.24	Aug. 25	76.88
July 15	76.30	July 21	78.49	Feb. 13	78.20	Nov. 24, 1959	77.49
		Aug. 18	77.52				

453. Magnolia Petroleum Co. Lat 29°40', long 97°37'. Drilled industrial artesian well in Wilcox formation, diam 12 in, depth 519 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 34.10 below lsd, July 3, 1946; lowest 48.23 below lsd, Aug. 25, 1958. Records available: 1946, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 3, 1946	34.10	Aug. 17, 1954	46.70	Feb. 28, 1956	42.81	Nov. 19, 1957	44.85
July 24, 1952	43.69	Dec. 17	42.52	June 20	47.20	Mar. 24, 1958	40.90
Sept. 29	42.49	May 13, 1955	44.59	Sept. 13	48.02	Aug. 25	48.23
Feb. 16, 1953	39.40	Aug. 22	46.99	Feb. 14, 1957	45.57	Nov. 24, 1959	44.50
Oct. 20	42.85	Nov. 18	44.43	June 18	43.36		

467. T. I. Johnson. Lat 29°40', long 97°38'. Drilled unused artesian well in Wilcox formation, diam 5 in, depth 282 ft. MP hole in cover plate, 0.50 ft above lsd. Highest water level 44.00 below lsd, Mar. 24, 1958; lowest 50.83 below lsd, Oct. 20, 1953. Records available: 1946, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 6, 1946	44.94	Aug. 17, 1954	47.74	Feb. 28, 1956	46.37	Nov. 19, 1957	45.30
July 24, 1952	46.19	Dec. 17	46.75	June 20	46.95	Mar. 24, 1958	44.00
Sept. 29	45.55	May 13, 1955	46.56	Sept. 13	47.66	Aug. 25	45.51
Feb. 16, 1953	44.79	Aug. 22	46.59	Feb. 14, 1957	46.92	Nov. 24, 1959	45.45
Oct. 20	50.83	Nov. 18	46.65	June 18	45.30		

508. Vernon Blackwell. Lat 29°47', long 97°40'. Drilled unused artesian well in Wilcox formation, diam 6 in, depth 168 ft. MP top of water pipe clamp, 1.40 ft above lsd. Highest water level 79.63 below lsd, July 7, 1953; lowest 84.84 below lsd, July 19, 1957. Records available: 1946, 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1946	80.45	July 15, 1954	81.18	Nov. 18, 1955	83.39	Dec. 14, 1956	84.08
July 25, 1952	80.85	Aug. 12	81.50	Dec. 16	83.13	Jan. 14, 1957	84.14
Sept. 29	80.97	Sept. 16	81.43	Jan. 19, 1956	83.31	Feb. 14	84.13
Feb. 16, 1953	80.29	Oct. 15	81.72	Feb. 28	83.31	Mar. 21	84.03
Mar. 21	80.11	Nov. 19	81.72	Mar. 19	83.49	May 16	84.14
May 7	80.07	Dec. 17	81.28	Apr. 19	83.33	June 18	84.27
July 7	79.63	Jan. 17, 1955	81.03	May 16	83.12	July 19	84.84
Oct. 15	80.56	May 11	82.42	June 20	83.51	Aug. 8	84.74
Feb. 10, 1954	80.42	June 10	84.00	July 16	83.99	Nov. 19	84.24
Mar. 9	80.52	July 21	84.54	Aug. 14	84.07	Mar. 24, 1958	83.52
Apr. 6	80.61	Aug. 18	83.23	Sept. 13	83.95	May 27	83.32
May 13	80.59	Sept. 14	83.18	Oct. 16	84.16	Aug. 25	83.64
June 14	81.12	Oct. 13	83.85	Nov. 20	84.00	Nov. 24, 1959	84.53

535. Abner Moore. Lat 29°42', long 97°31'. Bored farm water-table well in Carrizo sand, diam 6 in, depth 71 ft. MP top of casing, 1.00 ft above lsd. Highest water level 67.90 below lsd, July 25, 1952; lowest 72.29 below lsd, Nov. 19, 1957. Records available: 1947, 1952-59.

Apr. 4, 1947	67.98	Aug. 17, 1954	68.67	Feb. 28, 1956	70.12	Nov. 19, 1957	72.29
July 25, 1952	67.90	Dec. 17	68.92	June 21	70.11	Mar. 24, 1958	70.29
Sept. 29	68.68	May 13, 1955	69.44	Sept. 13	70.07	Aug. 25	71.23
Feb. 16, 1953	70.17	Aug. 22	69.60	Feb. 14, 1957	71.46	Nov. 24, 1959	70.64
Oct. 20	68.55	Nov. 18	69.80	June 18	71.55		

#### Carson County

E-14. M. D. Eagle. Lat 35°23', long 101°34'. Drilled irrigation water-table well in sand, diam 16 to 10 in, depth 705 ft. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 388.74 below lsd, Jan. 24, 1956; lowest 400.84 below lsd, Feb. 16, 1959. Records available: 1956-59. Jan. 24, 1956, 388.74; Jan. 23, 1957, 392.90; Jan. 2, 1958, 397.54; Feb. 16, 1959, 400.84.

F-14. A. L. Stovall. Lat 35°24', long 101°21'. Drilled irrigation water-table well in sand, diam 16 in, depth 554 ft. MP top of pumpbase, 0.50 ft above lsd. Highest water level 328.34 below lsd, Jan. 25, 1956; lowest 330.89 below lsd, Feb. 14, 1959. Records available: 1956-59. Jan. 25, 1956, 328.34; Jan. 22, 1957, 329.04; Jan. 3, 1958, 329.85; Feb. 14, 1959, 330.89.

G-50. P. W. Harnly. Lat 35°22', long 101°12'. Drilled irrigation water-table well in sand, diam 16 in, depth 523 ft. MP lower edge of porthole, 1.00 ft above lsd. Highest water level 289.76 below lsd, Jan. 25, 1956; lowest 299.70 below lsd, Jan. 23, 1957. Records available: 1956-59. Jan. 25, 1956, 289.76; Jan. 23, 1957, 299.70; Jan. 7, 1958, 293.91; Feb. 13, 1959, 294.75.

H-6. Carl T. Harris. Lat 35°25', long 101°07'. Drilled irrigation water-table well in sand, diam 16 in, depth 509 ft. MP lower edge of porthole, 0.50 ft above lsd. Highest water level 277.25 below lsd, Jan. 25, 1956; lowest 289.77 below lsd, Jan. 22, 1957. Records available: 1956-59. Jan. 25, 1956, 277.25; Jan. 22, 1957, 289.77; Jan. 8, 1958, 282.07; Feb. 13, 1959, 281.64.

J-12. J. J. Slater. Lat 35°15', long 101°32'. Drilled irrigation water-table well in sand, depth 261 ft. Lsd 3,460.1 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 224.16 below lsd, Jan. 2, 1958; lowest 228.78 below lsd, Jan. 23, 1957. Records available: 1954, 1956-59. July 14, 1954, 224.56; Jan. 26, 1956, 224.22; Jan. 23, 1957, 228.78; Jan. 2, 1958, 224.16; Feb. 18, 1959, 224.65. No measurement made in 1955.

K-33. W. W. Evans. Lat 35°15', long 101°21'. Drilled irrigation water-table well in sand, diam 16 in, depth 433 ft. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 325.90 below lsd, Jan. 26, 1956; lowest 328.34 below lsd, Jan. 6, 1958. Records available: 1956-58. Jan. 26, 1956, 325.90; Jan. 22, 1957, 328.30; Jan. 6, 1958, 328.34. No measurement made in 1959.



L-7. J. S. Stroope. Lat 35°18', long 101°12'. Drilled irrigation water-table well in sand, diam 16 in, depth 436 ft. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 279.54 below lsd, Jan. 25, 1956; lowest 282.23 below lsd, Jan. 8, 1958. Records available: 1956-59. Jan. 25, 1956, 279.54; Jan. 22, 1957, 281.85; Jan. 8, 1958, 282.23; Feb. 13, 1959, 282.21.

#### Castro County

8. Earl Cole. Lat 34°42', long 102°26'. Drilled irrigation water-table well in sand, diam 15 in, depth 160 ft. MP end of discharge pipe, 6.70 ft above lsd. Highest water level 71.03 below lsd, Nov. 27, 1942; lowest 105.24 below lsd, Jan. 11, 1958. Records available: 1937-58. Jan. 4, 1956, 95.65; Jan. 9, 1957, 103.26; Jan. 11, 1958, 105.24. Measurement discontinued.

40. J. N. Burgin. Lat 34°42', long 102°18'. Drilled irrigation water-table well in sand, diam 15 in, depth 132 ft, cased to 90. MP top of casing, at lsd. Highest water level 62.53 below lsd, Mar. 3, 1939; lowest 98.51 below lsd, Jan. 4, 1956. Records available: 1937-46, 1948, 1950-56. Jan. 4, 1956, 98.51. Measurement discontinued.

52. C. G. Maples. Lat 34°38', long 102°14'. Drilled irrigation water-table well in sand, diam 16 in, depth 170 ft, not cased. MP top of casing, at lsd. Highest water level 71.08 below lsd, Sept. 12, 1939 (previously reported 71.14 below lsd, Dec. 16, 1938); lowest 106.91 below lsd, Jan. 5, 1956. Records available: 1937-59. Jan. 5, 1956, 106.91; Jan. 9, 1957, 103.06; Jan. 11, 1958, 102.79; Jan. 14, 1959, 99.50.

201. J. C. Heiman. Lat 34°32', long 102°12'. Drilled unused water-table well in sand, diam 5 in, depth 183 ft. MP top of casing, 0.60 ft above lsd. Highest water level 151.49 below lsd, Mar. 3, 1948; lowest 178.85 below lsd, Jan. 8, 1959. Records available: 1938-44, 1947-59. Measurements in 1957 and 1959 made in nearby wells and adjusted. Jan. 5, 1956, 167.40; Jan. 8, 1957, 175.19; Jan. 9, 1958, 178.67; Jan. 8, 1959, 178.85.

202. Frank Huseman. Lat 34°31', long 102°06'. Drilled unused water-table well in sand, diam 4 in, depth 126 ft. MP top of casing, 1.50 ft above lsd. Highest water level 101.50 below lsd, Feb. 3, 1944; lowest 116.45 below lsd, Jan. 10, 1958. Records available: 1938-42, 1944-58. Jan. 5, 1956, 111.43; Jan. 8, 1957, 112.77; Jan. 10, 1958, 116.45. Measurement discontinued.

394. R. J. Wall. Lat 34°23', long 102°06'. Drilled irrigation water-table well in sand, diam 16 to 10 in (previously reported 12 in), depth 305 ft, cased to 305, slotted. MP top of concrete base, 1.80 ft above lsd. Highest water level 90.58 below lsd, Feb. 24, 1943; lowest 123.98 below lsd, Jan. 8, 1959. Records available: 1939-40, 1942-56, 1958-59. Jan. 5, 1956, 114.22; Jan. 9, 1958, 121.53; Jan. 8, 1959, 123.98. No measurement made in 1957.

410b. L. W. Guthrie. Lat 34°20', long 102°00'. Drilled irrigation water-table well in sand, diam 16 in, depth 228 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 63.82 below lsd, Feb. 7, 1942 (previously reported Apr. 2, 1942); lowest 103.20 below lsd, Jan. 8, 1959. Records available: 1942-59. Jan. 5, 1956, 96.62; Jan. 8, 1957, 98.75; Jan. 11, 1958, 102.94; Jan. 8, 1959, 103.20.

465. Tom Lewis. Lat 34°25', long 102°22'. Drilled irrigation water-table well in sand, depth 197 ft. MP hole in pumpbase, 3.00 ft above lsd. Highest water level 94.43 below lsd, Feb. 27, 1946; lowest 122.44 below lsd, Jan. 7, 1959. Records available: 1939, 1942-49, 1951-59. Jan. 4, 1956, 112.05; Jan. 7, 1957, 108.66; Jan. 8, 1958, 117.71; Jan. 7, 1959, 122.44.

508. J. C. Gilbreath. Formerly Sam Gilbreath. Lat 34°22', long 102°15'. Drilled irrigation water-table well in sand, diam 16 in, depth 200 ft, cased to 200. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 75.33 below lsd, Feb. 24, 1943; lowest 106.90 below lsd, Jan. 7, 1959. Records available: 1938, 1942-44, 1946-59. Jan. 4, 1956, 97.55; Jan. 7, 1957, 103.59; Jan. 8, 1958, 105.64; Jan. 7, 1959, 106.90.

#### Chambers County

A-17(19-A-20). Crumpler Bros. Mont Belvieu. Lat 29°50', long 94°52'. Drilled unused artesian well in sand, diam 9 in, depth 254 ft, cased to 254. MP top of 2-in coupling on side of casing, 0.50 ft above lsd. Highest water level 50.18 below lsd, Mar. 31, 1941; lowest 85.42 below lsd, Apr. 15, 1954. Records available: 1941, 1948-56. Apr. 5, 1956, 82.52. Well destroyed; measurement discontinued.

C-21(255-C-13). U. S. Department of Agriculture. Lat 29°42', long 94°37'. Drilled unused artesian well in sand, diam 2 in, depth 181 ft, cased to 181. MP top of casing, 1.00 ft above lsd. Highest water level 6.49 below lsd, Apr. 10, 1950; lowest 10.51 below lsd, Apr. 5, 1957. Records available: 1941, 1948-59. Apr. 4, 1956, 8.52; Oct. 17, 9.37; Apr. 5, 1957, 10.51; Oct. 30, 9.94; Apr. 10, 1958, 8.55; Oct. 21, 8.87; Nov. 3, 1959, 8.63.

D-17(292-D-6). Walter Simon. Lat 29°41', long 94°28'. Drilled unused artesian well in sand, diam 30 to 16 in, depth 500 ft, cased, 30-in 0-100, 16-in 100-500. MP rim of 30-in casing, at lsd. Highest water level 5.78 below lsd, Nov. 8, 1949; lowest 13.80 below lsd, Nov. 3, 1959. Records available: 1941, 1949-54, 1956-59. Apr. 4, 1956, 10.73; Apr. 5, 1957, 12.16; Oct. 30, 11.03; Apr. 10, 1958, 12.59; Oct. 21, 12.71; Nov. 3, 1959, 13.80.

E-23(106-E-44). Dr. Shear. Lat 29°44', long 94°50'. Drilled unused artesian well in sand, diam 4 in, depth 240 ft, screened 230-240. MP top of wood curb under pump, 1.00 ft above lsd. Highest water level 18.91 below lsd, Mar. 29, 1941; lowest 31.80 below lsd, August 1957. Records available: 1928, 1941, 1948-54, 1956-57. Measurements in 1957 made by owner. Apr. 5, 1956, 25.98; March 1957, 30.50; August, 31.80. Measurement discontinued.

E-60(67-E-83). Asa Wilburn. Lat 29°41', long 94°54'. Drilled stock artesian well in sand, diam 3 in, depth 94 ft. MP top of casing, 0.50 ft above lsd. Highest water level 14.43 below lsd, Apr. 27, 1949; lowest 21.46 below lsd, Oct. 18, 1956. Records available: 1941, 1948-59. Apr. 5, 1956, 16.97; Oct. 18, 21.46; Apr. 9, 1957, 17.64; Oct. 31, 16.30; Apr. 7, 1958, 15.85; Oct. 23, 16.52; Nov. 10, 1959, 15.53.

E-90(44-E-33). Old River Rice Co. Lat 29°45', long 94°53'. Drilled unused artesian well in sand, diam 4 to 2 in, depth 290 ft, screened 275-290. MP top of casing, 1.00 ft above lsd. Highest water level 2.27 below lsd, Apr. 7, 1958; lowest 13.59 below lsd, Oct. 15, 1951. Records available: 1934, 1941, 1948-59. Apr. 5, 1956, 6.98; Oct. 18, 12.74; Apr. 9, 1957, 5.45; Oct. 31, 4.76; Apr. 7, 1958, 2.27; Oct. 23, 3.22; Nov. 10, 1959, 4.30.

F-25(179-B-20). Josh Mayes. Lat 29°49', long 94°43'. Drilled unused artesian well in sand, diam 2 in, depth 515 ft, screened 495-515. MP top of casing, 2.00 ft above lsd. Highest water level flowing, Apr. 24, 1941; lowest 13.30 below lsd, Apr. 14, 1954. Records available: 1941, 1948-58. Apr. 4, 1956, 6.87; Oct. 17, 9.06; Apr. 5, 1957, 8.70; Oct. 30, 7.94; Apr. 10, 1958, 5.89; Oct. 21, 6.73. Measurement discontinued.

G-8(401-G-60). U. S. Department of Agriculture. Lat 29°34', long 94°34'. Drilled farm artesian well in sand, diam 2 in, depth 184 ft. MP top of casing, 1.00 ft above lsd. Highest water level 5.54 below lsd, May 22, 1941; lowest 19.35 below lsd, Nov. 3, 1959. Records available: 1941, 1948-56, 1959. Apr. 4, 1956, 15.2 (well being pumped); Nov. 3, 1959, 19.35. No measurement made during 1957 or 1958. Measurement discontinued.

J-13(K-14). Sun Oil Co. Lat 29°37' (previously reported 29°27'), long 94°42'. Drilled industrial artesian well in sand, diam 5 in, depth 203 ft, screened. MP end of 4-in discharge pipe, 2.20 ft above lsd. Highest water level 4.60 below lsd, Mar. 17, 1949; lowest 22.12 below lsd, Nov. 9, 1949. Records available: 1944, 1949-59. Apr. 4, 1956, 6.39; Apr. 5, 1957, 6.53; Oct. 30, 6.58; Apr. 10, 1958, 6.28; Oct. 21, 6.64; Nov. 12, 1959, 5.51.

#### Childress County

C-1. Mrs. W. D. Durfey. Lat 34°41', long 100°09'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 178 ft, cased to 67. MP hole in side of pumpbase, 1.76 ft above lsd. Highest water level 39.44 below lsd, Jan. 8, 1958; lowest 47.50 below lsd, Sept. 26, 1953. Records available: 1953-58. Sept. 26, 1953, 47.50; Jan. 11, 1954, 42.06; Jan. 12, 1955, 43.92; Jan. 11, 1956, 41.60; Jan. 22, 1957, 43.32; Jan. 8, 1958, 39.44. No measurement made in 1959.

C-9. Hugh Painter. Lat 34°42', long 100°00'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 196 ft, not cased. MP hole in pumpbase, at lsd. Highest water level 90.19 below lsd, Jan. 11, 1954; lowest 112.31 below lsd, Jan. 22, 1957. Records available: 1953-54, 1956-58. Sept. 29, 1953, 102.92; Jan. 11, 1954, 90.19; Jan. 11, 1956, 97.78; Jan. 22, 1957, 112.31; Jan. 9, 1958, 98.05. No measurement made in 1955 or 1959.

C-11. G. C. Richardson. Lat 34°40', long 100°00'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 185 ft, cased to 100. MP 2-in hole in pumpbase, 2.00 ft above lsd. Highest water level 73.94 below lsd, Jan. 9, 1954; lowest 92.01 below lsd, Jan. 22, 1957. Records available: 1953-54, 1956-58. Sept. 28, 1953, 80.03; Jan. 9, 1954, 73.94; Jan. 11, 1956, 81.91; Jan. 22, 1957, 92.01; Jan. 9, 1958, 82.80. No measurement made in 1955 or 1959.

F-13. G. W. Hale. Lat 34°25', long 100°01'. Drilled irrigation artesian well in Pease River group of Permian age, diam 18 in, depth 120 ft, casing slotted 50-120. MP hole in pump-base, 1.10 ft above lsd. Highest water level 43.20 below lsd, Jan. 10, 1953; lowest 56.70 below lsd, Jan. 18, 1957. Records available: 1953-58. Jan. 10, 1953, 43.20; Jan. 9, 1954, 45.94; Jan. 9, 1955, 51.01; Jan. 10, 1956, 47.68; Jan. 18, 1957, 56.70; Jan. 9, 1958, 46.26. No measurement made in 1959.

J-3. Virgil Ellis. Lat 34°19', long 100°00'. Drilled unused artesian well in Pease River group of Permian age, diam 16 in, depth 168 ft, cased to 70. MP top of concrete base, 1.50 ft above lsd. Highest water level 62.01 below lsd, Jan. 9, 1958; lowest 90.40 below lsd, Jan. 17, 1957. Records available: 1954-58. Jan. 8, 1954, 76.49; Jan. 9, 1955, 81.05; Jan. 9, 1956, 67.06; Jan. 17, 1957, 90.40; Jan. 9, 1958, 62.01. No measurement made in 1959.

#### Cochran County

1. Beck Gln Co. Whiteface. Lat 33°36', long 102°36'. Drilled industrial water-table well in sand, diam 6 in. MP top of pipe clamp, 1.20 ft above lsd. Highest water level 148.80 below lsd, Jan. 24, 1956, Jan. 13, 1958; lowest 157.37 below lsd, Feb. 15, 1950. Records available: 1937-42, 1944-48, 1950-51, 1956-59. Jan. 24, 1956, 148.80; Jan. 21, 1957, 149.80; Jan. 13, 1958, 148.80; Jan. 9, 1959, 149.19.

5. Dave Linder. Lat 33°40', long 102°42'. Drilled farm water-table well in sand, diam 6 in, depth 146 ft. MP top of pipe clamp, 0.80 ft above lsd. Highest water level 124.16 below lsd, Feb. 15, 1950; lowest 138.67 below lsd, Jan. 9, 1959. Records available: 1937-41, 1944-59. Jan. 24, 1956, 132.00; Jan. 21, 1957, 137.80; Jan. 15, 1958, 137.88; Jan. 9, 1959, 138.67. Measurement discontinued.

16. J. W. Jeffcoat. Lat 33°47', long 102°52'. Drilled irrigation water-table well in sand, diam 16 in, depth 148 ft, cased 92-148. MP airline hole in pump, 1.30 ft above lsd. Highest water level 102.45 below lsd, Jan. 25, 1956; lowest 106.22 below lsd, Jan. 9, 1959. Records available: 1956-59. Jan. 25, 1956, 102.45; Jan. 22, 1957, 103.91; Jan. 13, 1958, 104.97; Jan. 9, 1959, 106.22.

23. Cortie Coffman. Lat 33°43', long 102°54'. Drilled irrigation water-table well in sand, diam 16 in, depth 188 ft, casing slotted 114-185. MP lower edge of porthole, 0.75 ft above lsd. Highest water level 123.50 below lsd, Jan. 25, 1956; lowest 126.53 below lsd, Jan. 14, 1958. Records available: 1956-59. Jan. 25, 1956, 123.50; Jan. 22, 1957, 124.77; Jan. 14, 1958, 126.53; Jan. 9, 1959, 126.49.

29. Bartlett. Lat 33°49', long 102°45'. Drilled irrigation water-table well in sand, diam 16 in, depth 110 ft, casing slotted 85-110. MP linehole in pump, 1.50 ft above lsd. Highest water level 84.16 below lsd, Jan. 27, 1956; lowest 87.84 below lsd, Jan. 9, 1959. Records available: 1956-59. Jan. 27, 1956, 84.16; Jan. 22, 1957, 85.24; Jan. 15, 1958, 87.36; Jan. 9, 1959, 87.84.

39. Edward Brownlow. Lat 33°37', long 102°49'. Drilled irrigation water-table well in sand, diam 16 in, depth 200 ft, casing slotted 165-200. MP top of concrete base, 1.00 ft above lsd. Highest water level 156.78 below lsd, Jan. 26, 1956; lowest 163.21 below lsd, Jan. 14, 1958. Records available: 1956-59. Jan. 26, 1956, 156.78; Jan. 22, 1957, 160.35; Jan. 14, 1958, 163.21; Jan. 13, 1959, 162.35.

F-1. C. Silvers. Lat 33°43', long 102°44'. Drilled irrigation water-table well in sand. MP end of 1½-in pipe, 1.00 ft above lsd. Highest water level 103.76 below lsd, Mar. 15, 1948; lowest 127.55 below lsd, Jan. 13, 1959. Records available: 1948-49, 1951, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1948	103.76	Jan. 14, 1953	109.65	Jan. 24, 1956	118.56	Jan. 14, 1958	125.48
Mar. 9, 1949	105.54	Jan. 14, 1954	110.90	Jan. 21, 1957	122.36	Jan. 13, 1959	127.55
Jan. 17, 1951	121.30	Jan. 7, 1955	114.70				

F-2. R. N. Milligan. Lat 33°43', long 102°42'. Drilled irrigation water-table well in sand. MP hole between wood block and pumpbase (since Jan. 21, 1957), 2.00 ft above lsd. Highest water level 103.42 below lsd, Mar. 15, 1948; lowest 135.46 below lsd, Jan. 13, 1959. Records available: 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1948	103.42	Jan. 17, 1951	107.22	Jan. 14, 1954	116.37	Jan. 21, 1957	131.08
Mar. 9, 1949	104.84	Feb. 6, 1952	108.13	Jan. 7, 1955	121.90	Jan. 13, 1958	134.93
Feb. 15, 1950	104.72	Jan. 14, 1953	112.49	Jan. 24, 1956	125.23	Jan. 13, 1959	135.46

F-3. W. O. Herring. Lat 33°43', long 102°39'. Drilled irrigation water-table well in sand. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 113.50 below lsd, Mar. 15, 1948; lowest 150.62 below lsd, Jan. 13, 1958. Records available: 1948-50, 1953-59. Measurements since 1956 made in well 800 ft west. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1948	113.50	Jan. 14, 1953	126.18	Jan. 24, 1956	139.97	Jan. 13, 1958	150.62
Mar. 9, 1949	114.93	Jan. 14, 1954	131.45	Jan. 21, 1957	144.94	Jan. 13, 1959	149.86
Feb. 15, 1950	116.80	Jan. 7, 1955	135.87				

#### Collingsworth County

L-3. S. K. Parsons. Lat 34°47', long 100°12'. Drilled irrigation artesian well in sand, diam 16 in, depth 238 ft, casing slotted 188-238. MP top of concrete base, 0.30 ft above lsd. Highest water level 81.19 below lsd, Jan. 13, 1956; lowest 83.24 below lsd, Jan. 22, 1957. Records available: 1954-58. Jan. 11, 1954, 81.40; Jan. 12, 1955, 81.81; Jan. 13, 1956, 81.19; Jan. 22, 1957, 83.24; Jan. 7, 1958, 81.61. No measurement made in 1959.

L-6. Barney Glenn. Lat 34°47', long 100°09'. Drilled irrigation water-table well in sand, diam 14 in, depth 135 ft, casing slotted 75-135. MP top of concrete base, 1.00 ft above lsd. Highest water level 64.75 below lsd, Jan. 12, 1955; lowest 72.32 below lsd, Jan. 22, 1957. Records available: 1955-58. Jan. 12, 1955, 64.75; Jan. 13, 1956, 70.89; Jan. 22, 1957, 72.32; Jan. 7, 1958, 71.62. No measurement made in 1959.

#### Comal County

223(G30). L. S. Davis. Lat 29°45', long 98°09'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 320 ft. Lsd 840.07 ft above msl. MP top of iron water pipe clamp, 0.90 ft above lsd. Highest water level 196.60 below lsd, May 13, 1958; lowest 233.69 below lsd, July 6, 1956. Records available: 1936, 1939-59.

Jan. 6, 1956	223.93	July 5, 1957	209.81	Sept. 4, 1958	200.68	Apr. 7, 1959	201.99
July 6	233.69	Sept. 19	213.33	Oct. 15	201.20	June 8	203.19
Aug. 29	223.33	Jan. 2, 1958	208.00	Nov. 19	199.75	Aug. 4	204.68
Nov. 8	223.71	Mar. 11	197.60	Dec. 17	199.42	Oct. 7	206.18
Jan. 4, 1957	223.08	May 13	196.60	Jan. 16, 1959	200.01	Dec. 3	206.16
Mar. 6	222.28	July 1	197.70	Feb. 23	200.41		

225(G31). W. H. Harborth Estate. Lat 29°44', long 98°10'. Drilled farm water-table well in Edwards limestone, diam 6 in, depth 265 ft. Lsd 809.05 ft above msl. MP top of iron water pipe clamp, 1.10 ft above lsd. Highest water level 160.33 below lsd, May 13, 1958; lowest 196.97 below lsd, Mar. 6, 1957. Records available: 1936, 1939-59.

Jan. 6, 1956	186.66	Mar. 6, 1957	196.97	May 13, 1958	160.33	Feb. 23, 1959	166.17
Mar. 20	189.19	May 7	184.94	July 1	161.90	Apr. 7	167.57
May 11	189.60	July 5	180.95	Sept. 4	165.45	June 8	170.73
July 5	194.63	Sept. 19	175.01	Oct. 15	165.75	July 24	170.37
Aug. 29	191.32	Nov. 15	173.40	Nov. 19	164.55	Aug. 4	170.69
Oct. 2	191.73	Jan. 2, 1958	175.39	Dec. 17	165.33	Oct. 7	172.44
Nov. 8	191.98	Mar. 20	179.34	Jan. 16, 1959	165.75	Dec. 2	172.75
Jan. 4, 1957	196.02						

271(G34). Nolan Koepf. Formerly Albert Wallhoeffler. Lat 29°45', long 98°05'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 140 ft, cased to 10. Lsd 700.60 ft above msl. MP top of wood pipe clamp, 0.64 ft above lsd. Highest water level 83.64 above lsd, May 22, 1945; lowest 97.32 below lsd, Oct. 2, 1956. Records available: 1936-59.

Jan. 6, 1956	95.09	Nov. 7, 1956	96.30	Nov. 15, 1957	88.27	Jan. 20, 1959	86.39
Mar. 20	95.64	Jan. 3, 1957	95.81	Jan. 3, 1958	87.44	Mar. 26	86.96
May 11	95.49	Mar. 4	95.08	Mar. 11	84.13	Apr. 27	86.87
July 5	96.45	May 7	91.84	May 14	84.65	July 27	88.14
Aug. 29	97.24	July 2	88.49	July 1	85.70	Sept. 25	89.26
Oct. 2	97.32	Sept. 19	91.57	Nov. 12	86.46	Dec. 16	88.59

278(G25). Raymond A. Jentsch. Lat 29°46', long 98°03'. Drilled farm water-table well in Edwards limestone, diam 6 in, depth 210 ft. Lsd 752.71 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 140.91 below lsd, Mar. 20, 1958; lowest 169.56 below lsd, Oct. 1, 1956. Records available: 1936-59.

Jan. 6, 1956	157.54	Nov. 7, 1956	161.09	Nov. 15, 1957	145.46	Nov. 12, 1958	144.01
Mar. 20	159.61	Jan. 3, 1957	159.74	Mar. 20, 1958	140.91	Jan. 20, 1959	144.08
May 11	158.29	Mar. 4	157.30	May 14	141.54	Mar. 26	144.67
July 5	160.27	May 7	150.05	July 1	143.01	Apr. 27	144.41
Aug. 29	162.52	July 2	147.45	Sept. 9	142.67	May 26	144.68
Oct. 1	169.56	Sept. 19	160.33				

326(H20). William Schaeffer. Lat 29°38', long 98°13'. Drilled farm artesian well in Edwards limestone, diam 4 in, depth 300 ft, cased to 300, open end. Lsd 684.45 ft above msl. MP top of wood pipe clamp, 1.10 ft above lsd. Highest water level 27.38 below lsd, May 23, 1941 (previously reported 27.47 below lsd, May 19, 1938); lowest 70.07 below lsd, Oct. 2, 1956. Records available: 1934, 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	59.72	Mar. 6, 1957	61.31	May 14, 1958	33.70	Feb. 24, 1959	30.57
Mar. 20	61.17	May 8	52.97	July 1	38.36	Apr. 7	32.20
May 11	63.77	July 3	52.42	Sept. 4	44.78	June 8	34.16
Aug. 27	68.65	Sept. 19	58.92	Oct. 14	33.72	Aug. 3	37.24
Oct. 2	70.07	Nov. 15	46.96	Nov. 20	30.00	Oct. 7	35.72
Nov. 7	63.89	Jan. 3, 1958	44.66	Dec. 18	29.93	Dec. 1	33.46
Jan. 4, 1957	62.12	Mar. 12	35.49	Jan. 16, 1959	30.31		

336(H6). A. W. Feich. Lat 29°39', long 98°11'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 700 ft. Lsd 728.17 ft above msl. MP top of iron pipe clamp, 0.10 ft above lsd. Highest water level 69.94 below lsd, May 28, 1934; lowest 116.97 below lsd, Aug. 27, 1956. Records available: 1934, 1936-59.

Mar. 20, 1956	109.73	May 6, 1957	101.59	May 14, 1958	83.55	Jan. 16, 1959	79.30
July 5	114.04	July 3	99.44	July 2	86.85	Feb. 23	79.66
Aug. 27	116.97	Sept. 19	105.40	Oct. 14	83.54	Apr. 7	81.78
Nov. 7	110.45	Nov. 15	98.67	Nov. 20	79.40	June 8	82.85
Jan. 3, 1957	109.96	Jan. 3, 1958	93.21	Dec. 18	79.30	Aug. 3	86.40
Mar. 6	107.49	Mar. 20	83.38				

397(H44). D. N. Barnett. Lat 29°37', long 98°15'. Drilled unused artesian well in Edwards limestone, diam 6 in, depth 378 ft. Lsd 836.51 ft above msl. MP top of iron pipe clamp, 0.70 ft above lsd. Highest water level 175.10 below lsd, May 19, 1938; lowest 222.84 below lsd, Aug. 27, 1956. Records available: 1937-40, 1944-45, 1948-59.

Jan. 6, 1956	211.67	Jan. 4, 1957	218.41	Mar. 12, 1958	186.12	Jan. 16, 1959	176.59
Mar. 20	214.17	Mar. 6	214.61	May 14	183.31	Feb. 24	176.56
May 11	215.44	May 8	208.79	July 2	184.96	Apr. 7	177.36
July 5	219.76	July 3	201.85	Sept. 4	190.88	June 8	178.38
Aug. 27	222.84	Sept. 19	210.23	Oct. 14	185.50	Aug. 3	182.96
Oct. 2	222.47	Nov. 15	200.46	Nov. 20	179.50	Oct. 7	184.41
Nov. 8	220.46	Jan. 3, 1958	195.37	Dec. 18	176.36	Dec. 1	181.22

430(H39). U. S. Geol. Survey. Davenport School. Lat 29°37', long 98°18'. Drilled observation artesian well in Edwards limestone (previously reported sand), diam 6 in, depth 250 ft, cased to 166. Lsd 851.73 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 185.37 below lsd, Dec. 4, 1958; lowest 239.47 below lsd, Aug. 18, 1956. Records available: 1948-59.

#### Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	224.6	223.6	225.7	228.6	228.7	231.6	234.0	237.6	.....	235.9	230.6	229.8
10	224.8	223.6	226.3	228.4	230.0	232.6	234.9	238.3	.....	236.4	229.9	229.5
15	225.0	223.8	226.1	229.2	230.2	233.5	235.0	239.0	.....	235.5	229.6	229.4
20	224.5	224.4	226.8	229.4	229.8	232.9	235.5	238.5	.....	233.3	229.4	228.7
25	224.1	224.4	226.8	228.4	230.7	232.6	236.4	236.7	235.9	232.1	229.7	228.0
Eom	223.9	225.1	227.9	229.0	230.8	234.4	236.8	.....	236.2	231.5	229.5	227.7

1957

5	227.9	227.7	227.0	224.7	216.2	209.7	215.6	224.1	225.2	216.4	209.6	206.1
10	228.0	228.4	227.0	225.3	216.3	208.9	217.2	225.4	223.8	216.4	209.6	205.8
15	228.1	228.8	227.6	225.3	216.8	209.4	218.8	226.1	223.3	215.8	208.6	206.0
20	227.9	228.2	226.9	224.0	216.4	210.0	200.6	225.4	223.8	215.6	208.0	206.0
25	228.1	227.2	225.3	221.7	216.8	211.2	221.7	226.0	220.0	211.8	207.3	205.9
Eom	227.7	227.2	224.6	217.4	212.8	213.5	223.4	226.5	216.5	210.0	206.6	205.7

1958

5	205.1	198.8	192.7	192.2	192.1	.....	197.6	202.1	204.7	191.7	.....	185.5
10	203.7	198.6	192.2	192.8	191.2	.....	196.5	203.6	202.8	191.2	.....	185.7
15	202.3	198.6	191.9	192.9	190.9	.....	196.2	203.5	201.5	190.8	.....	186.0
20	201.2	198.4	191.9	193.1	190.8	.....	197.3	204.0	199.3	190.3	.....	186.2
25	200.3	194.6	191.7	193.8	191.1	197.1	198.8	203.9	195.1	190.2	185.5	186.2
Eom	199.2	193.8	191.9	193.9	191.9	196.7	200.6	204.7	193.0	188.1	185.6	186.1

1959

5	186.3	186.9	186.8	188.8	188.6	191.3	194.7	195.8	.....	194.7	191.6	.....
10	186.5	187.0	187.0	188.9	188.6	191.9	195.6	196.6	.....	193.3	191.4	.....
15	186.4	187.2	187.4	188.4	189.1	193.6	195.1	197.0	.....	192.7	191.3	.....
20	186.4	187.0	187.7	188.1	189.2	195.5	195.6	197.9	.....	192.1	191.0	.....
25	186.8	186.8	188.2	188.3	189.3	196.1	194.6	197.3	196.5	.....	190.7	190.1
Eom	187.0	186.8	188.4	188.6	190.0	194.3	194.5	.....	196.0	191.9	.....	189.9

431(G-49). U. S. Geol. Survey. Landa Park. Lat 29°42', long 98°08'. Drilled observation water-table well in Edwards limestone, diam 7 to 3 in, depth 230 ft, cased to 27. Lsd 642.7 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 15.56 below lsd, Dec. 4, 1958; lowest 29.36 below lsd, Aug. 21, 1956. Records available: 1948-59.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.96	21.73	22.14	22.76	22.81	23.67	25.73	.....	26.19	27.66	23.44	22.92
10	21.96	21.72	22.31	22.68	e22.90	.....	.....	.....	25.63	28.19	22.85	22.75
15	21.96	21.76	22.27	22.88	e23.98	.....	.....	.....	26.51	27.07	22.92	22.72
20	21.91	21.87	22.40	22.84	e23.07	.....	.....	.....	27.19	25.42	22.72	22.43
25	21.83	21.91	22.41	22.70	.....	.....	.....	28.50	27.63	24.70	22.87	22.25
Eom	21.79	22.05	22.59	22.85	23.31	.....	.....	27.37	28.00	24.14	22.83	22.18

Eom	22.16	22.30	22.35	22.35	22.31	1957	21.73	21.63	21.17	21.52	19.92	18.75	18.15
5	22.21	22.30	22.09	21.54	19.80	18.63	.....	21.17	21.52	19.92	18.75	18.15	
10	22.23	22.42	22.08	21.64	19.81	18.54	.....	21.45	21.29	19.87	18.70	18.10	
15	22.40	22.60	22.25	21.60	19.84	18.60	.....	21.73	21.18	19.79	18.55	18.10	
20	22.32	22.42	21.71	21.26	19.89	18.80	.....	21.65	21.25	19.66	18.47	18.10	
25	22.40	22.14	21.68	20.70	19.96	.....	.....	21.73	20.05	19.04	18.33	18.10	
Eom	22.41	22.18	21.52	19.88	18.17	.....	21.04	21.80	19.90	18.83	18.24	18.03	

Eom	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
	1958											
5	18.00	17.08	16.26	16.22	16.42	16.63	17.14	17.75	18.28	16.65	15.85	15.59
10	17.80	17.12	16.22	16.30	16.30	16.80	17.02	17.99	18.04	16.55	15.75	15.60
15	17.60	17.19	16.15	16.31	16.26	17.05	17.00	18.01	17.90	16.49	15.65	15.63
20	17.45	17.08	16.14	16.45	16.22	17.15	17.14	18.10	17.50	16.40	15.65	15.65
25	17.30	16.55	16.15	16.56	16.24	17.05	17.31	18.15	17.08	16.35	15.60	15.62
Eom	17.17	16.41	.....	16.60	16.40	17.03	17.58	18.27	16.85	16.05	15.62	15.61

1959												
5	15.65	15.74	15.79	16.18	16.17	16.57	17.08	17.24	.....	17.17	16.85	16.70
10	15.67	15.77	15.85	16.19	16.14	16.66	17.19	17.34	.....	17.08	16.82	16.69
15	15.66	15.78	15.93	16.12	16.23	16.86	17.14	17.40	.....	16.98	16.78	16.67
20	15.65	15.79	16.01	16.09	16.27	17.11	17.20	17.53	.....	16.91	16.73	16.66
25	15.70	15.76	16.05	16.11	16.30	17.17	17.11	17.48	17.49	16.87	16.67	16.59
Eom	15.75	15.75	16.06	16.17	16.39	17.03	17.13	.....	17.44	16.88	16.67	16.56

e Estimated.

h Tape measurement.

#### Cottle County

1. O. T. Owens. Lat 33°53', long 100°14'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 165 ft, casing slotted. MP top of concrete base, at lsd. Highest water level 61.04 below lsd, Jan. 16, 1956; lowest 74.73 below lsd, Jan. 17, 1957. Records available: 1953-58. Jan. 17, 1953, 65.99; Jan. 14, 1954, 65.33; Jan. 12, 1955, 65.01; Jan. 16, 1956, 61.04; Jan. 17, 1957, 74.73; Jan. 10, 1958, 62.40. No measurement made in 1959.

4. Buster Kippen. Lat 33°53', long 100°15'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 170 ft, casing slotted. MP top of concrete base, 1.50 ft above lsd. Highest water level 65.91 below lsd, Jan. 16, 1956; lowest 78.85 below lsd, Jan. 17, 1957. Records available: 1953-58. Jan. 17, 1953, 71.54; Jan. 14, 1954, 71.54; Jan. 12, 1955, 69.61; Jan. 16, 1956, 65.91; Jan. 17, 1957, 78.85; Jan. 10, 1958, 66.47. No measurement made in 1959.

5. L. L. Goodman. Lat 33°53', long 100°15'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 157 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 68.63 below lsd, Jan. 16, 1956; lowest 82.04 below lsd, Jan. 17, 1957. Records available: 1953-58. Jan. 17, 1953, 73.48; Jan. 14, 1954, 73.13; Jan. 12, 1955, 72.70; Jan. 16, 1956, 68.63; Jan. 17, 1957, 82.04; Jan. 10, 1958, 69.68. No measurement made in 1959.

#### Crane County

B-8. M. F. Henderson and others. Lat 31°37', long 102°30'. Drilled stock water-table well in sand, diam 6 in. MP top of wood water pipe clamp, 1.30 ft above lsd. Highest water level 45.72 below lsd, Sept. 22, 1954; lowest 48.29 below lsd, Dec. 6, 1957. Records available: 1954-57, 1959. Sept. 22, 1954, 45.72; Dec. 5, 1955, 45.89; Dec. 7, 1956, 47.44; Dec. 6, 1957, 48.29; Dec. 6, 1959, 46.47. No measurement made in 1958.

B-19. R. F. Windfohr. Lat 31°33', long 102°40'. Drilled unused water-table well in sand diam 8 in, depth 105 ft. MP top of casing, 0.50 ft above lsd. Highest water level 58.65 below lsd, Nov. 4, 1954; lowest 59.33 below lsd, Dec. 6, 1959. Records available: 1954-57, 1959. Nov. 4, 1954, 58.65; Dec. 4, 1955, 58.84; Dec. 7, 1956, 59.15; Dec. 6, 1957, 59.32; Dec. 6, 1959, 59.33. No measurement made in 1958.

C-64. Texas Highway Department. Lat 31°31', long 102°29'. Drilled unused water-table well in sand, diam 8 to 7 in, depth 84 ft, casing slotted 61-84. MP top of casing, 1.50 ft above lsd. Highest water level 41.86 below lsd, Sept. 16, 1954; lowest 45.18 below lsd, Dec. 6, 1959. Records available: 1954-57, 1959. No measurement made in 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16, 1954	41.86	Nov. 17, 1954	41.95	Dec. 5, 1955	42.62	Dec. 6, 1957	43.80
Oct. 21	41.95	Dec. 13	41.94	Dec. 7, 1956	43.14	Dec. 6, 1959	45.18

E-53. T. C. Barnsley. Lat 31°23', long 102°39'. Drilled unused water-table well in sand, diam 16 to 8 in, depth 243 ft, cased, 16-in 0-61, 8-in 0-243. MP top of casing, 0.17 ft above lsd. Highest water level 7.75 below lsd, Oct. 26, 1954; lowest 12.36 below lsd, Dec. 6, 1959. Records available: 1954-57, 1959. Oct. 26, 1954, 7.75; Dec. 5, 8.37; Dec. 4, 1955, 10.95; Dec. 8, 1956, 10.58; Dec. 6, 1957, 11.62; Dec. 6, 1959, 12.36. No measurement made in 1958.

E-62. T. C. Barnsley. Lat 31°24', long 102°34'. Drilled unused water-table well in sand, diam 8 to 4 in, depth 234 ft, cased, 8-in 0-16, 4-in 0-129. MP top of casing, 0.70 ft above lsd. Highest water level 60.90 below lsd, Dec. 6, 1959; lowest 64.65 below lsd, Dec. 7, 1957. Records available: 1954-57, 1959. Oct. 7, 1954, 64.02; Dec. 4, 1955, 61.69; Dec. 8, 1956, 62.03; Dec. 7, 1957, 64.65; Dec. 6, 1959, 60.90. No measurement made in 1958.

F-10. City of Crane. Lat 31°28', long 102°27'. Drilled unused water-table well in sand, diam 8 in, depth 72 ft, casing slotted 52-72. MP top of casing, 3.40 ft above lsd. Highest water level 43.77 below lsd, Dec. 5, 1955; lowest 45.19 below lsd, Dec. 6, 1949. Records available: 1954-57, 1959. Sept. 23, 1954, 45.08; Oct. 19, 45.10; Dec. 13, 44.28; Dec. 5, 1955, 43.77; Dec. 8, 1956, 44.92; Dec. 6, 1957, 44.67; Dec. 6, 1959, 45.19. No measurement made in 1958.

#### Crockett County

1. Leo Richardson. Lat 30°39', long 101°42'. Dug and drilled irrigation water-table well in alluvium and limestone, diam 72 to 20 in, depth 80 ft, cased, 72-in 0-37, 20-in 37-77. MP top of 2- x 12-in timber, 0.65 ft above lsd. Highest water level 35.37 below lsd, Dec. 7, 1959; lowest 40.48 below lsd, Jan. 30, 1953. Records available: 1953-57, 1959. No measurement made in 1958.

Jan. 30, 1953	40.48	Nov. 30, 1954	36.70	Dec. 9, 1955	36.60	Dec. 8, 1957	36.05
Dec. 7	39.96	Jan. 26, 1955	36.45	Dec. 16, 1956	38.77	Dec. 7, 1959	35.37
Jan. 26, 1954	39.45						

5. A. C. Hoover. Lat 30°46', long 101°39'. Drilled irrigation artesian well in limestone. MP hole in pump, 1.50 ft above lsd. Highest water level 46.82 below lsd, Dec. 8, 1957; lowest 51.30 below lsd, Dec. 7, 1953. Records available: 1953, 1955-57, 1959. Dec. 7, 1953, 51.30; Jan. 18, 1955, 48.92; Dec. 9, 48.59; Dec. 16, 1956, 50.81; Dec. 8, 1957, 46.82; Dec. 7, 1959, 47.84. No measurement made in 1954 or 1958.

12. A. C. Hoover. Lat 30°42', long 101°40'. Drilled stock artesian well in limestone, diam 7 in, depth 76 ft. MP top of casing, 0.50 ft above lsd. Highest water level 45.53 below lsd, Dec. 8, 1957; lowest 49.69 below lsd, Jan. 26, 1954. Records available: 1954-55, 1957, 1959. Jan. 26, 1954, 49.69; Jan. 18, 1955, 47.57; Dec. 9, 47.42; Dec. 8, 1957, 45.53; Dec. 7, 1959, 46.84. No measurement made in 1956 or 1958.

15. B. B. Ingham, Jr. Lat 30°38', long 101°39'. Drilled irrigation artesian well in limestone, diam 18 in, depth 101 ft, casing slotted below 19. MP lower edge of porthole, 2.00 ft above lsd. Highest water level 22.43 below lsd, Dec. 7, 1959; lowest 23.44 below lsd, Dec. 16, 1956. Records available: 1955-57, 1959. Dec. 9, 1955, 23.13; Dec. 16, 1956, 23.44; Dec. 8, 1957, 22.82; Dec. 7, 1959, 22.43. No measurement made in 1958.

#### Crosby County

1. J. T. Vaughn. Lat 33°47', long 101°23'. Drilled domestic water-table well in sand, diam 6 in, depth 208 ft, cased to 208. MP top of casing, 0.80 ft above lsd. Highest water level 112.53 below lsd, Jan. 28, 1943; lowest 148.48 below lsd, Jan. 7, 1958. Records available: 1937-40, 1942-44, 1946-55, 1957-58. Jan. 11, 1957, 144.07; Jan. 7, 1958, 148.48. No measurement made in 1956 or 1959.

4. J. A. McGlocklen. Lat 33°41', long 101°23'. Drilled farm water-table well in sand, diam 6 in, depth 208 ft (previously reported 152 ft, but well apparently deepened as water levels are down to 208 ft), not cased. MP top of iron pipe clamp, 0.50 ft above lsd. Highest water level 118.77 below lsd, Oct. 22, 1942; lowest 208.17 below lsd, Jan. 7, 1958. Records available: 1937-45, 1949-56, 1958. Jan. 9, 1956, 201.23; Jan. 7, 1958, 208.17. No measurement made in 1957 or 1959.

7. B. F. Lackey. Lat 33°40', long 101°26'. Drilled unused water-table well in sand, diam 6 in, depth unknown (previously reported 122 ft, but well apparently deepened as water levels are below 157 ft). MP top of pipe clamp, 0.70 ft above lsd. Highest water level 88.98 below lsd, Feb. 8, 1944 (previously reported 93.48 below lsd, Apr. 14, 1938); lowest 157.30 below lsd, Jan. 12, 1959. Records available: 1937-42, 1944-50, 1952, 1954-55, 1958-59. Jan. 7, 1958, 150.53; Jan. 12, 1959, 157.30. No measurement made in 1956 or 1957. Measurement discontinued.

12b. John Joiner. Lat 33°45', long 101°31'. Drilled irrigation water-table well in sand, diam 16 in, depth unknown (previously reported 135 ft, but well apparently deepened as water levels are below 170 ft). MP top of concrete base, 1.00 ft above lsd. Highest water level 92.14 below lsd, Mar. 4, 1947; lowest 173.25 below lsd, Jan. 6, 1959. Records available: 1947-49, 1951-52, 1954-59. Jan. 9, 1956, 154.86; Jan. 14, 1957, 168.40; Jan. 7, 1958, 172.92; Jan. 6, 1959, 173.25.

13a. Floyd Blankenship. Lat 33°45', long 101°33'. Drilled irrigation water-table well in sand, diam 16 in, depth 286 ft. MP lower edge of porthole, 1.75 ft above lsd. Highest water level 81.69 below lsd, Mar. 5, 1947; lowest 143.03 below lsd, Jan. 7, 1958. Records available: 1947-49, 1951-59. Jan. 10, 1956, 127.24; Jan. 14, 1957, 134.88; Jan. 7, 1958, 143.03; Jan. 6, 1959, 141.49.

14. G. W. Carter. Lat 33°43', long 101°32'. Drilled stock water-table well in sand, diam 6 in, depth 101 ft, not cased. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 75.67 below lsd, Oct. 19, 1938; lowest 144.37 below lsd, Jan. 6, 1959. Records available: 1938, 1949-59. Measurements since 1956 made in well 600 ft south.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 19, 1938	75.60	Jan. 24, 1951	94.30	Jan. 5, 1954	113.50	Jan. 14, 1957	140.10
Mar. 22, 1949	87.12	Jan. 24, 1952	96.69	Jan. 8, 1955	124.36	Jan. 7, 1958	144.03
Feb. 18, 1950	91.62	Jan. 6, 1953	103.77	Jan. 10, 1956	132.92	Jan. 6, 1959	144.37

17a. G. B. Parish. Lat 33°46', long 101°28'. Drilled irrigation water-table well in sand, diam 16 in, depth 335 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 93.00 below lsd, Oct. 28, 1938; lowest 149.14 below lsd, Jan. 7, 1958. Records available: 1938, 1947-59. Jan. 9, 1956, 136.25; Jan. 14, 1957, 141.91; Jan. 7, 1958, 149.14; Jan. 6, 1959, 148.76.

21a. Lynn Foster. Lat 33°46', long 101°27'. Drilled irrigation water-table well in sand, diam 14 in, depth 280 ft, cased to 40. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 102.06 below lsd, Mar. 5, 1947; lowest 149.50 below lsd, Jan. 7, 1958. Records available: 1947-59. Jan. 9, 1956, 139.22; Jan. 14, 1957, 145.01; Jan. 7, 1958, 149.50; Jan. 6, 1959, 149.17.

415a. Mrs. Hendricks. Lat 33°36', long 101°32'. Drilled irrigation water-table well in sand. MP top of casing, at lsd. Highest water level 72.30 below lsd, Mar. 1, 1947; lowest 100.79 below lsd, Jan. 7, 1958. Records available: 1947-54, 1956, 1958-59. Jan. 10, 1956, 94.62; Jan. 7, 1958, 100.79; Jan. 12, 1959, 99.25. No measurement made in 1957.

#### Culberson County

##### Wildhorse Area

C-0. Paul Teas. Lat 31°05', long 104°41'. Drilled irrigation artesian well in alluvium. Lsd 3, 774.20 ft above msl. MP top of concrete base, 1.00 ft above lsd. Highest water level 218.91 below lsd, May 11, 1950; lowest 231.46 below lsd, Jan. 15, 1958. Records available: 1950, 1953-58. May 11, 1950, 218.91; Jan. 27, 1953, 219.34; Jan. 21, 1954, 222.28; Jan. 20, 1955, 223.00; Jan. 23, 1956, 224.21; Jan. 28, 1957, 227.80; Jan. 15, 1958, 231.46. No measurement made in 1959.

C-3. Owner unknown. Lat 31°10', long 104°41'. Drilled stock artesian well in alluvium, diam 6 in. MP top of water pipe clamp, 1.00 ft above lsd. Highest water level 151.56 below lsd, May 11, 1950; lowest 158.03 below lsd, Jan. 15, 1958. Records available: 1950, 1953-58. May 11, 1950, 151.56; Jan. 27, 1953, 156.86 (well being pumped); Jan. 21, 1954, 154.03; Jan. 22, 1955, 154.03; Jan. 23, 1956, 156.22; Jan. 27, 1957, 156.59; Jan. 15, 1958, 158.03. No measurement made in 1959.

C-30. J. E. Franklin. Lat 31°09', long 104°42'. Drilled irrigation artesian well in alluvium, diam 16 in, depth 400 ft. MP top of casing, 0.50 ft above lsd. Highest water level 165.66 below lsd, Jan. 21, 1954; lowest 170.43 below lsd, Jan. 15, 1958. Records available: 1953-58. Jan. 27, 1953, 167.05; Jan. 21, 1954, 165.66; Jan. 22, 1955, 166.38; Jan. 23, 1956, 168.00; Jan. 27, 1957, 169.30; Jan. 15, 1958, 170.43. No measurement made in 1959.



C-36. R. B. Durrell. Lat 31°06', long 104°44'. Drilled irrigation artesian well in alluvium, diam 16 in, depth 615 ft, cased to 200, slotted. MP end of discharge pipe, 4.00 ft above lsd. Highest water level 213.94 below lsd, Jan. 29, 1953; lowest 219.71 below lsd, Jan. 14, 1958. Records available: 1953-58. Jan. 29, 1953, 213.94; Jan. 24, 1954, 215.51; Jan. 22, 1955, 215.62; Jan. 23, 1956, 217.30; Jan. 27, 1957, 218.53; Jan. 14, 1958, 219.71. No measurement made in 1959.

## Lobo Flats Area

S-12. Jones & Wainwright. Lat 30°53', long 104°46'. Drilled irrigation artesian well in alluvium, diam 16 in, depth 405 ft, casing slotted 200-400. Lsd 3,936.6 ft above msl. MP top of concrete base, 2.20 ft above lsd. Highest water level 132.24 below lsd, June 22, 1949; lowest 168.93 below lsd, Jan. 16, 1958. Records available: 1949-51, 1953-58. No measurement in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 22, 1949	132.24	Feb. 8, 1951	144.44	Jan. 23, 1955	154.89	Jan. 28, 1957	163.57
May 3, 1950	139.31	Jan. 26, 1953	147.91	Jan. 24, 1956	158.54	Jan. 16, 1958	168.93
June 2	150.99	Jan. 23, 1954	152.34				

S-19. C. L. and F. A. Bell. Lat 30°53', long 104°45'. Drilled irrigation artesian well in alluvium, diam 10 in, depth 600 ft. Lsd 3,960.7 ft above msl. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 89.12 below lsd, Aug. 26, 1943; lowest 164.75 below lsd, Jan. 16, 1958. Records available: 1943, 1951-58. Measurement discontinued.

Aug. 26, 1943	89.12	Jan. 26, 1953	127.98	Jan. 23, 1955	139.48	Jan. 28, 1957	156.30
Feb. 8, 1951	102.04	Jan. 23, 1954	134.84	Jan. 24, 1956	148.20	Jan. 16, 1958	164.75
Mar. 8, 1952	116.98						

S-32. Cameron Lumber Co. Lat 30°51', long 104°47'. Drilled unused artesian well in alluvium, diam 8 in, depth 295 ft. Lsd 3,963.6 ft above msl. MP top of concrete base, 1.00 ft above lsd. Highest water level 97.96 below lsd, Aug. 23, 1943; lowest 165.54 below lsd, Jan. 16, 1958. Records available: 1943, 1950-58. Measurement discontinued.

Aug. 23, 1943	97.96	Feb. 9, 1951	108.54	Jan. 26, 1953	137.62	Jan. 24, 1958	153.41
May 3, 1950	161.25	Aug. 23	121.25	Jan. 23, 1954	143.08	Jan. 28, 1957	176.98
Nov. 17	117.38	Mar. 7, 1952	124.12	Jan. 23, 1955	148.70	Jan. 16, 1958	165.54
Jan. 24, 1951	110.10						

c Nearby well being pumped.

S-54. Shanon, Holland, and Logan. Lat 30°49', long 104°45'. Drilled irrigation artesian well in alluvium, diam 16 in, depth 375 ft, cased to bottom, part slotted. Lsd 4,010.2 ft above msl. MP hole in pump, 1.70 ft above lsd. Highest water level 95.00 below lsd, October 1949; lowest 142.14 below lsd, Jan. 17, 1958. Records available: 1949-51, 1953-58. No measurement made in 1959.

October 1949	95.00	Jan. 26, 1953	115.06	Jan. 23, 1955	124.03	Jan. 29, 1957	136.68
Nov. 17, 1950	99.72	Jan. 23, 1954	121.10	Jan. 24, 1956	129.86	Jan. 17, 1958	142.14
Feb. 28, 1951	97.34						

S-68. Van Horn Irrigated Farms Co. Lat 30°46', long 104°47'. Drilled unused artesian well in alluvium, diam 16 in, depth 400 ft, cased to bottom, part slotted. Lsd 4,046.3 ft above msl. MP top of concrete base, 1.90 ft above lsd. Highest water level 117.42 below lsd, Feb. 28, 1951; lowest 151.25 below lsd, Jan. 17, 1958. Records available: 1950-51, 1953-58. No measurement made in 1959.

June 11, 1950	129.80	Jan. 26, 1953	132.62	Jan. 23, 1955	138.70	Jan. 29, 1957	147.78
Feb. 28, 1951	117.42	Jan. 23, 1954	135.07	Jan. 24, 1956	142.40	Jan. 17, 1958	151.25

## Dallam County

14(N-17). T. Q. Denman. Lat 36°22', long 102°53'. Drilled irrigation water-table well in sand, diam 14 in. Lsd 4,440.8 ft above msl. MP top of concrete base, 2.00 ft above lsd. Highest water level 34.71 below lsd, May 8, 1938; lowest 59.04 below lsd, Mar. 17, 1959. Records available: 1936-39, 1951-52, 1954-59.

Dec. 8, 1936	34.98	Jan. 1, 1939	35.00	June 19, 1939	34.80	Jan. 15, 1955	50.48
Jan. 30, 1937	34.99	Feb. 10	34.85	Feb. 20, 1951	41.42	Mar. 21, 1956	55.30
June 30	35.16	Mar. 9	34.80	Feb. 4, 1952	42.49	Mar. 6, 1957	55.95
Jan. 13, 1938	35.04	Apr. 8	34.78	Jan. 18, 1954	47.20	Apr. 3, 1958	58.40
May 11	35.04	May 8	34.71	Mar. 25	47.63	Mar. 17, 1959	59.04
Nov. 11	34.90						

b Well pumped recently.

65(O-7). Troy Thompson. Lat 36°23', long 102°49'. Drilled irrigation water-table well in sand, diam 12 in. Lsd 4,375.8 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 16.74 below lsd, Feb. 10, 1939; lowest 28.60 below lsd, Mar. 6, 1957. Records available: 1936-39, 1951-52, 1954-59. Measurements since 1951 made in replacement well.

65(0-7)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 8, 1936	17.54	July 5, 1937	17.02	Feb. 17, 1951	17.14	Mar. 22, 1956	24.32
Jan. 29, 1937	17.05	Jan. 13, 1938	17.04	Feb. 4, 1952	18.98	Mar. 6, 1957	28.60
Mar. 16	17.62	May 11	17.90	Jan. 19, 1954	19.70	Apr. 1, 1958	28.05
Apr. 16	18.64	Nov. 11	17.68	Mar. 30	20.22	Mar. 31, 1959	28.10
June 30	17.19	Feb. 10, 1939	16.74	Jan. 17, 1955	21.76		

72(N-12). Cliff Marshall. Lat 36°23', long 102°52'. Drilled irrigation water-table well in sand, diam 26 in. Lsd 4, 429.3 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 31.10 below lsd, May 7, 1943; lowest 72.30 below lsd, Apr. 3, 1958. Records available: 1937-43, 1948-59.

July 5, 1937	34.26	Nov. 17, 1939	35.68	Apr. 4, 1941	35.55	Jan. 1949	47.60
Jan. 13, 1938	34.09	Dec. 16	35.48	May 8	35.15	Feb. 25, 1950	45.34
May 11	33.99	Jan. 24, 1940	35.41	June 5	35.03	Feb. 19, 1951	46.90
Dec. 30	34.20	Feb. 12	35.10	July 23	34.70	Feb. 4, 1952	51.18
Feb. 10, 1939	34.28	Mar. 19	34.99	Aug. 21	37.62	Feb. 3, 1953	55.84
Mar. 9	34.20	Apr. 12	34.94	Sept. 26	36.85	Jan. 18, 1954	58.83
Apr. 8	34.15	Aug. 20	36.20	Nov. 18	34.84	Mar. 28	56.69
May 8	34.14	Sept. 24	36.35	July 7, 1942	33.05	Jan. 15, 1955	64.40
June 19	34.38	Oct. 23	36.45	Aug. 5	34.25	Mar. 21, 1956	66.35
July 8	34.58	Dec. 4	36.43	Mar. 11, 1943	31.95	Mar. 6, 1957	70.85
Aug. 5	34.92	Jan. 9, 1941	35.95	May 7	31.10	Apr. 3, 1958	72.30
Sept. 6	35.02	Feb. 5	35.82	Mar. 17, 1948	46.36	Mar. 30, 1959	71.83
Oct. 27	35.50	Mar. 6	35.62				

98(P-3). Charles H. Cord. Lat 36°23', long 102°43'. Drilled unused artesian well in sand, diam 5 in, depth 234 ft. Lsd 4, 228.7 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 19.60 below lsd, Feb. 18, 1951; lowest 22.96 below lsd, Dec. 20, 1939. Records available: 1936, 1938-39, 1951-59.

Dec. 16, 1936	22.64	Feb. 18, 1951	19.60	Mar. 31, 1954	20.08	Mar. 5, 1957	19.88
Nov. 12, 1938	21.75	Feb. 4, 1952	19.78	Jan. 17, 1955	20.38	Apr. 29, 1958	20.10
Mar. 9, 1939	21.49	Feb. 3, 1953	20.00	Mar. 22, 1956	20.40	Mar. 31, 1959	19.95
Dec. 20	22.96	Jan. 19, 1954	19.82				

172a(W-1). Larry Kehoe. Lat 36°19', long 103°02'. Drilled irrigation water-table well in sand, diam 16 in, depth 360 ft. Lsd 4, 639.7 ft above msl. MP end of discharge pipe, 5.00 ft above lsd. Highest water level 88.68 below lsd, Mar. 12, 1959; lowest 91.27 below lsd, Feb. 25, 1950. Records available: 1950-59.

Feb. 25, 1950	91.27	Jan. 14, 1953	89.04	Mar. 22, 1956	89.26	Mar. 25, 1958	88.85
Feb. 18, 1951	90.53	Jan. 20, 1954	89.25	Mar. 6, 1957	90.34	Mar. 12, 1959	88.68
Feb. 3, 1952	90.46	Jan. 21, 1955	89.47				

200a(AT-1). R. E. Underwood. Lat 36°09', long 102°59'. Drilled irrigation water-table well in sand, diam 18 in, depth 250 ft. MP top of concrete base, 0.50 ft above lsd. Highest water level 97.81 below lsd, Jan. 14, 1953; lowest 101.00 below lsd, January 1949. Records available: 1949-59.

January 1949	101.00	Feb. 5, 1952	98.48	Jan. 21, 1955	99.46	Mar. 25, 1958	98.76
Feb. 25, 1950	98.91	Jan. 14, 1953	97.81	Mar. 22, 1956	99.60	Mar. 27, 1959	98.89
Feb. 18, 1951	99.05	Jan. 15, 1954	99.11	Mar. 7, 1957	98.76		

243(F-1). M. J. Simms. Lat 36°28', long 102°35'. Drilled farm water-table well in sand, diam 4 in, depth 64 ft. Lsd 4, 139.0 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 28.84 below lsd, Feb. 4, 1952; lowest 33.70 below lsd, Mar. 10, 1937. Records available: 1937-41, 1950-59.

Mar. 10, 1937	33.70	Dec. 6, 1940	33.15	Feb. 4, 1952	28.84	Mar. 22, 1956	31.53
Nov. 12, 1938	33.35	Dec. 4, 1941	32.25	Feb. 2, 1953	29.25	Mar. 5, 1957	31.75
June 29, 1939	33.26	Feb. 24, 1950	30.44	Jan. 19, 1954	29.46	Apr. 7, 1958	32.90
Dec. 20	33.38	Feb. 18, 1951	29.30	Jan. 17, 1955	30.63	Mar. 24, 1959	33.27
Apr. 12, 1940	33.46						

401(Y-3). Dean White. Lat 36°16', long 102°51'. Drilled irrigation water-table well in sand, diam 20 in, depth 250 ft. Lsd 4, 372.2 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 133.60 below lsd, Mar. 30, 1959; lowest 137.07 below lsd, Mar. 6, 1957. Records available: 1951-59.

Feb. 20, 1951	135.58	Jan. 8, 1954	135.21	Mar. 23, 1956	134.24	Apr. 3, 1958	133.70
Feb. 5, 1952	135.05	Jan. 18, 1955	136.93	Mar. 6, 1957	137.07	Mar. 30, 1959	133.60
Jan. 14, 1953	135.61						

Dallas County

C-19. U. S. Geol. Survey. Lat 32°59', long 97°00'. Drilled observation artesian well in Woodbine sand, diam 7 in, depth 287 ft, cased to 145, casing slotted 105-145. Lsd 484.6 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 23.08 below lsd, May 25, 1958; lowest 32.95 below lsd, Oct. 10, 1956. Records available: 1951-59.

## Highest water level for the day, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.32	24.04
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.20	24.19	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.18	24.08	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.15	24.24	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.26	24.23	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.27	24.22	.....

## 1952

5	.....	24.38	24.39	24.49	24.26	24.29	.....	26.14	26.79	27.13	27.36	26.91
10	.....	24.45	24.10	24.43	24.32	24.45	.....	.....	26.84	27.22	27.31	26.91
15	.....	24.39	24.45	24.40	24.38	24.61	.....	26.23	26.94	27.36	27.16	26.85
20	24.36	24.43	24.22	24.17	24.35	.....	25.75	26.40	26.99	27.39	27.28	26.73
25	24.31	24.42	24.34	24.19	24.34	.....	25.94	26.62	27.14	27.31	26.76	26.71
Eom	24.44	24.33	24.26	24.19	24.26	.....	26.13	26.64	27.09	27.33	26.93	26.55

## 1953

5	26.49	26.31	26.49	26.25	26.20	25.87	26.36	26.71	26.94	27.20	26.71	26.15
10	26.47	26.36	26.25	26.22	26.10	26.07	26.55	26.71	26.90	27.09	26.63	26.08
15	26.42	26.33	26.42	.....	25.75	26.02	26.47	26.83	26.87	27.16	26.56	26.06
20	26.42	26.39	26.25	26.48	25.74	26.22	26.38	26.90	26.97	27.12	26.43	25.89
25	26.43	26.35	26.42	26.33	25.80	26.26	26.43	26.88	27.10	26.86	26.44	26.08
Eom	26.37	26.33	26.29	26.04	25.89	26.41	26.69	26.95	27.13	26.89	26.42	26.12

## 1954

5	26.10	.....	25.90	25.90	25.90	26.00	26.60	27.70	28.40	27.90	27.50	27.30
10	26.10	.....	25.70	.....	25.80	26.10	26.80	27.90	28.20	27.80	27.40	27.50
15	25.90	.....	26.00	25.70	25.70	.....	26.90	28.00	28.10	27.90	27.40	27.40
20	25.80	25.80	25.90	25.80	25.70	.....	27.20	28.10	28.00	27.80	27.40	27.50
25	25.80	25.70	25.90	25.90	25.80	26.30	27.40	28.20	28.00	27.70	27.30	27.50
Eom	.....	25.80	26.00	25.80	25.90	26.50	27.60	28.30	28.00	27.60	27.40	27.50

## 1955

5	27.50	27.60	.....	27.63	27.55	.....	28.77	29.85	30.60	30.43	30.48	30.59
10	27.60	27.40	27.64	27.60	27.47	.....	28.97	.....	30.56	30.48	30.34	30.58
15	27.60	.....	27.59	.....	27.52	.....	29.15	30.14	30.56	30.35	30.38	30.66
20	27.60	.....	27.36	.....	27.64	.....	29.30	30.27	30.60	30.54	30.58	30.47
25	27.70	.....	27.37	.....	.....	28.50	29.38	30.44	30.59	.....	30.58	30.48
Eom	27.60	.....	27.55	27.73	.....	28.58	29.66	30.55	30.52	30.47	30.62	30.40

## 1956

5	30.30	29.86	29.62	29.63	29.64	30.06	31.00	32.05	32.48	32.85	32.63	32.55
10	30.37	29.80	29.67	29.75	29.74	30.19	31.11	32.20	32.54	32.95	32.74	32.43
15	30.17	29.82	29.65	29.62	29.85	30.22	31.21	32.25	32.59	32.90	32.44	32.45
20	30.10	29.78	29.75	29.98	29.90	30.43	31.48	32.37	32.70	32.74	32.49	32.28
25	30.15	29.60	29.69	29.91	30.03	30.64	.....	32.35	32.90	32.70	32.62	32.30
Eom	30.05	29.73	29.65	29.85	30.21	30.76	31.83	.....	32.85	32.73	32.55	32.08

## 1957

5	32.10	31.90	31.53	31.30	30.40	.....	26.25	26.55	27.38	26.99	25.81	25.06
10	32.09	31.71	31.54	31.40	.....	.....	26.32	26.51	27.13	26.95	25.80	25.14
15	32.00	31.65	31.74	31.40	.....	27.02	26.38	26.67	27.04	26.54	25.40	25.09
20	31.99	31.64	31.42	31.20	.....	26.73	.....	26.72	27.08	26.54	25.42	25.10
25	32.11	31.46	31.47	31.01	.....	26.49	26.45	26.72	27.09	26.30	25.24	25.03
Eom	31.86	31.57	31.20	30.62	.....	26.44	26.41	27.35	27.05	26.04	25.24	24.80

## 1958

5	24.93	24.44	24.44	24.05	23.66	23.44	.....	25.18	.....	.....	25.01	.....
10	24.85	.....	24.30	24.13	23.51	23.54	.....	25.37	.....	.....	25.12	.....
15	24.77	24.55	24.25	24.09	23.40	23.63	.....	25.51	.....	25.28	.....	24.97
20	24.52	24.68	24.35	23.90	23.22	23.63	24.39	25.82	.....	25.09	.....	24.97
25	24.48	24.37	24.25	24.09	23.08	23.44	24.50	.....	.....	25.20	.....	24.99
Eom	24.40	24.47	24.04	23.76	23.13	23.54	24.75	.....	.....	25.16	.....	24.87

## 1959

5	25.05	24.79	24.63	24.70	24.90	25.26	25.64	25.80	.....	26.76	.....	.....
10	25.06	24.80	24.58	24.82	24.85	25.30	25.92	26.10	.....	26.48	.....	.....
15	24.95	24.84	24.70	24.78	25.07	25.47	26.03	26.30	27.03	26.65	.....	.....
20	24.70	24.89	24.54	24.66	25.05	25.63	25.70	.....	27.05	26.50	.....	.....
25	24.90	24.83	24.60	24.72	25.11	25.59	25.66	.....	27.08	26.31	.....	.....
Eom	25.02	24.70	24.65	24.80	25.18	25.59	25.72	.....	27.19	.....	.....	.....

Dawson County

101. F. King. Lat 32°45', long 101°53'. Drilled unused water-table well in sand, diam 22 in, depth 150 ft, cased to 140. MP top of concrete base, 0.50 ft above lsd. Highest water level 119.67 below lsd, Feb. 6, 1951; lowest 131.15 below lsd, Jan. 21, 1959. Records available: 1938-40, 1944, 1949-51, 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 1, 1938	122.77	Nov. 25, 1940	122.42	Feb. 19, 1950	119.87	Jan. 23, 1958	128.11
Jan. 23, 1939	122.84	Feb. 24, 1944	121.36	Feb. 6, 1951	119.67	Jan. 21, 1959	131.15
Aug. 10	122.62	Mar. 30, 1949	120.20	Feb. 5, 1957	128.85		

259. W. J. Ely. Lat 32°54', long 102°09'. Drilled irrigation water-table well in sand, diam 16 in, depth 148 ft. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 65.32 below lsd, Jan. 21, 1959; lowest 68.02 below lsd, Apr. 9, 1958. Records available: 1955, 1958-59. Aug. 5, 1955, 65.44; Apr. 9, 1958, 68.02; Jan. 21, 1959, 65.32.

276. Jack Broyles. Lat 32°49', long 102°05'. Drilled domestic water-table well in sand, diam 7 in, depth 160 ft. MP top of wood pipe clamp, 0.50 ft above lsd. Highest water level 99.68 below lsd, Jan. 21, 1959; lowest 101.05 below lsd, Apr. 9, 1958. Records available: 1955, 1958-59. Aug. 12, 1955, 100.43; Apr. 9, 1958, 101.05; Jan. 21, 1959, 99.68.

303. J. O. Goodson. Lat 32°41', long 101°42'. Drilled irrigation water-table well in sand, diam 8 in, depth 200 ft, cased to 200. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 142.14 below lsd, Jan. 30, 1957; lowest 144.57 below lsd, Jan. 22, 1959. Records available: 1957-59. Jan. 30, 1957, 142.14; Jan. 21, 1958, 143.63; Jan. 22, 1959, 144.57.

613. J. A. E. Gary. Lat 32°55', long 101°51'. Drilled unused water-table well in sand, diam 6 in, depth 269 ft, perforated 101-191. MP top of concrete base, 2.00 ft above lsd. Highest water level 50.30 below lsd, Jan. 21, 1959; lowest 59.45 below lsd, July 1, 1937. Records available: 1937-38, 1944, 1949-52, 1957-59.

July 1, 1937	59.45	Jan. 20, 1938	59.20	Feb. 19, 1950	54.33	Feb. 4, 1957	51.75
July 14	59.28	Feb. 24, 1944	54.82	Feb. 6, 1951	54.01	Jan. 23, 1958	51.56
Aug. 7	59.16	May 30, 1949	54.62	Feb. 2, 1952	53.75	Jan. 21, 1959	50.30

702(220). A. F. Pitts. Lat 32°33', long 101°44'. Drilled stock water-table well in sand, diam 5 in, depth 108 ft. MP top of pipe clamp, 1.50 ft above lsd. Highest water level 97.84 below lsd, Feb. 6, 1951; lowest 100.52 below lsd, Feb. 17, 1943. Records available: 1937-40, 1942-43, 1950-51, 1959.

July 10, 1937	99.57	Apr. 29, 1938	99.58	Nov. 25, 1940	99.43	Feb. 20, 1950	98.43
Aug. 6	99.65	Jan. 23, 1939	99.50	Aug. 6, 1942	99.22	Feb. 6, 1951	97.84
Jan. 19, 1938	99.90	Mar. 1, 1940	99.88	Feb. 17, 1943	100.52	Jan. 22, 1959	98.21

705(226). R. D. Simpson. Lat 32°36', long 101°48'. Drilled domestic and stock water-table well in sand, diam 6 in, depth 118 ft. MP top of steel cover plate, 0.30 ft above lsd. Highest water level 92.40 below lsd, Jan. 22, 1959; lowest 96.91 below lsd, Aug. 6, 1937. Records available: 1937-38, 1940, 1943, 1950-51, 1957, 1959.

July 13, 1937	96.85	Nov. 25, 1940	95.78	Feb. 20, 1950	92.93	Jan. 25, 1957	96.29
Aug. 6	96.91	Feb. 17, 1943	95.14	Feb. 6, 1951	92.53	Jan. 22, 1959	92.40
Jan. 18, 1938	96.52						

Deaf Smith County

113a. Steffy. Lat 34°59', long 102°23'. Drilled irrigation water-table well in sand. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 103.64 below lsd, Mar. 15, 1948; lowest 126.54 below lsd, Jan. 11, 1958. Records available: 1948-58. Jan. 5, 1956, 122.20; Jan. 16, 1957, 125.03; Jan. 11, 1958, 126.54. No measurement made in 1959.

205. J. L. McGee. Lat 34°57', long 102°22'. Drilled irrigation water-table well in sand, diam 14 in, depth 200 ft (previously reported 154 ft), cased 0-200, slotted 70-200. MP end of discharge pipe, 3.70 ft above lsd. Highest water level 74.22 below lsd, Nov. 9, 1937; lowest 125.73 below lsd, Jan. 10, 1958. Records available: 1937-38, 1941-46, 1948-59. Jan. 5, 1956, 122.27; Jan. 16, 1957, 120.58; Jan. 10, 1958, 125.73; Jan. 18, 1959, 118.40.

207. Charles B. Miles. Lat 34°55', long 102°18'. Drilled irrigation water-table well in sand, diam 24 in, depth 108 ft. MP hole in pumpbase, 1.30 ft above lsd. Highest water level 53.81 below lsd, June 18, 1936; lowest 92.17 below lsd, Jan. 13, 1959. Records available: 1936-41, 1944-59. Jan. 5, 1956, 81.68; Jan. 15, 1957, 84.82; Jan. 10, 1958, 87.98; Jan. 13, 1959, 92.17. Measurement discontinued.

217. W. E. Neal. Lat 34°54', long 102°11'. Drilled irrigation water-table well in sand, diam 26 to 14 in, depth 220 ft (previously reported 120 ft), cased 26-in 0-140, 14-in 140-220, slotted. MP top of air line hole in pumpbase, 1.00 ft above lsd. Highest water level 83.94 below lsd, May 1936; lowest 123.34 below lsd, Jan. 17, 1957. Records available: 1936-59. Jan. 5, 1956, 106.92; Jan. 17, 1957, 123.34; Jan. 10, 1958, 115.54; Jan. 13, 1959, 122.26.

235. Lewis A. Smith. Lat 34°51', long 102°17'. Drilled irrigation water-table well in sand, diam 20 in, depth 105 ft, not cased. MP bottom edge of pumpbase, 2.00 ft above lsd. Highest water level 48.61 below lsd, Dec. 23, 1941; lowest 73.56 below lsd, Jan. 13, 1959. Records available: 1936-56, 1958-59. Jan. 5, 1956, 66.22; Jan. 10, 1958, 70.14; Jan. 13, 1959, 73.56.

261. D. L. McDonald. Lat 34°52', long 102°24'. Drilled unused water-table well in sand, diam 26 in, depth 179 ft, cased to bottom, part slotted. MP top of concrete base, 0.50 ft above lsd. Highest water level 46.5 below lsd, 1914; lowest 92.80 below lsd, Sept. 11, 1955. Records available: 1914, 1936-59. Jan. 5, 1956, 82.90; Jan. 16, 1957, 87.30; Jan. 9, 1958, 88.75; Jan. 6, 1959, 89.46.

272. J. L. Hoffman. Lat 34°53', long 102°26'. Drilled unused water-table well in sand, diam 22 in, depth unknown (previously reported 120 ft but well apparently deepened as water levels are below 120). MP hole in pumpbase, 1.35 ft above lsd. Highest water level 65.56 below lsd, July 17, 1936; lowest 121.77 below lsd, Jan. 9, 1958. Records available: 1936-42, 1944-50, 1952-59. Jan. 5, 1956, 108.96; Jan. 16, 1957, 117.79; Jan. 9, 1958, 121.77; Jan. 6, 1959, 117.74.

305. E. L. Adams. Lat 34°49', long 102°27'. Drilled irrigation water-table well in sand, diam 18 in, depth 180 ft, cased 0-180, slotted 70-180. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 79.42 below lsd, Aug. 27, 1937; lowest 132.21 below lsd, Jan. 8, 1958. Records available: 1937, 1945-59. Jan. 4, 1956, 117.57; Jan. 17, 1957, 124.72; Jan. 8, 1958, 132.21; Jan. 13, 1959, 129.26.

326. Frank J. Knabe. Lat 34°45', long 102°25'. Drilled unused water-table well in sand, diam 26 in, depth unknown (previously reported 120 ft but well apparently deepened as water levels are below 139). MP hole in pumpbase, 1.50 ft above lsd. Highest water level 87.07 below lsd, Oct. 27, 1937; lowest 139.68 below lsd, Jan. 14, 1959. Records available: 1937-41, 1945-49, 1951-59. Jan. 4, 1956, 128.88; Jan. 15, 1957, 135.05; Jan. 8, 1958, 138.25; Jan. 14, 1959, 139.68.

506a. Alton Fraser. Lat 34°48', long 102°33'. Drilled farm water-table well in sand. MP top of pipe clamp, 2.00 ft above lsd. Highest water level 81.29 below lsd, Mar. 9, 1948; lowest 105.80 below lsd, Jan. 13, 1959. Records available: 1948-56, 1958-59. Jan. 6, 1956, 96.40; Jan. 11, 1958, 103.19; Jan. 13, 1959, 105.80. No measurement made in 1957.

#### Dimmit County

N7-189. W. S. Myers Estate. Lat 28°37', long 100°00'. Drilled unused water-table well in Carrizo sand, diam 6 in, depth 209 ft, cased to 20. Lsd 629.10 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 85.35 below lsd, Dec. 11, 1956, Jan. 21, 1957; lowest 86.89 below lsd, Nov. 27, 1959. Records available: 1956-59.

#### Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.42
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.58
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.57
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.71
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.48

#### 1957

5	85.57	85.65	85.67	85.77	85.87	85.75	85.88	85.83	85.85	85.86	85.85	85.78
10	85.67	85.60	85.44	85.55	85.60	85.73	85.88	85.75	85.85	85.95	86.04	85.79
15	85.54	85.57	85.82	85.53	85.67	85.81	85.80	85.84	85.82	85.77	85.70	85.90
20	85.47	85.74	85.43	85.63	85.58	85.75	85.75	85.87	85.76	85.90	85.93	85.96
25	85.58	85.43	85.75	85.68	85.79	85.73	85.80	85.82	85.85	85.85	85.93	85.91
Eom	85.46	85.57	85.48	85.70	85.71	85.86	85.77	85.85	85.85	85.74	86.11	85.95

#### 1958

5	86.01	85.89	85.95	85.87	86.17	86.25	86.19	86.25	86.25	86.31	86.25	86.09
10	85.88	85.98	85.96	86.15	86.13	86.07	86.30	86.25	86.26	86.37	86.35	86.52
15	86.10	86.02	86.03	86.15	86.16	86.14	86.33	86.24	86.25	86.36	86.26	86.52
20	85.84	86.06	86.07	86.04	86.20	86.17	86.14	86.22	86.20	86.18	86.45	86.32
25	85.84	85.67	86.07	86.20	86.13	86.20	86.22	86.28	86.29	86.39	86.30	86.40
Eom	85.87	86.01	86.01	86.10	86.10	86.20	86.22	86.33	86.28	86.37	86.46	86.37

N7-189--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	86.50	86.18	86.48	86.40	86.41	86.45	86.50	86.51	86.55	86.67	86.64	86.72
10	86.41	86.34	86.22	86.53	86.30	86.47	86.55	86.61	86.70	86.62	86.53	86.54
15	86.22	86.50	86.56	86.38	86.47	86.50	86.51	86.58	86.42	86.66	86.66	86.64
20	86.00	86.60	86.20	86.32	86.36	86.50	86.55	86.60	86.54	86.56	86.51	86.73
25	86.27	86.35	86.27	86.42	86.37	86.43	86.52	86.52	86.48	86.45	86.46	.....
Eom	86.45	86.40	86.28	86.44	86.45	86.51	86.60	86.50	86.53	86.72	86.63	.....

N9-12. Federal Land Bank. Lat 28°34', long 99°35'. Drilled irrigation artesian well in Carrizo sand, diam 8 to 6 in, depth 1,469 ft, cased to 1,469, perforated 1,185-1,469. Lsd 493.29 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 6.30 below lsd, July 28, 1931; lowest 226.00 below lsd, Feb. 18, 1957. Records available: 1929-43, 1948-49, 1951-53, 1955-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 14, 1948	51.56	Aug. 19, 1952	124.36	Feb. 18, 1957	226.00	June 7, 1957	192.77
Sept. 14	53.87	Sept. 9, 1953	150.60	Mar. 19	212.02	July 10	185.00
Aug. 12, 1949	44.27	Sept. 20, 1955	192.70	May 3	216.43	July 11, 1958	145.55
Sept. 12, 1951	107.02	Sept. 19, 1956	217.40				

N9-24. Jack Bowman. Lat 28°32', long 99°38'. Drilled unused artesian well in Carrizo sand, diam 12 to 8 in, depth 1,300 ft. Lsd 531.50 ft above msl. MP top of casing extension, 0.50 ft above lsd. Highest water level 170.8 below lsd, Aug. 3, 1959; lowest 233.9 below lsd, May 9, 1957. Records available: 1957-59.

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	224.4	218.9	.....	225.0	222.1	214.7	207.5
10	.....	.....	.....	.....	233.5	222.9	218.8	222.2	224.6	221.1	213.8	206.7
15	.....	.....	.....	.....	231.1	222.1	218.4	222.7	224.5	219.5	212.3	205.8
20	.....	.....	.....	.....	229.0	220.9	218.5	223.4	224.3	218.5	211.3	205.3
25	.....	.....	.....	.....	227.7	219.9	219.0	224.1	224.1	217.5	210.1	205.8
Eom	.....	.....	.....	.....	226.2	219.2	219.6	224.6	223.2	215.8	209.0	205.6

1958

5	205.9	198.7	193.2	191.3	194.2	190.3	188.0	186.7	189.6	185.4	179.6	176.6
10	204.3	198.2	192.2	192.5	193.5	190.0	187.6	187.0	189.2	185.0	178.8	177.5
15	203.1	197.4	191.4	193.9	193.6	190.7	186.9	187.3	188.9	184.1	177.8	178.6
20	202.0	196.5	191.2	194.1	192.4	190.5	186.5	187.3	188.0	182.9	177.4	179.0
25	200.8	194.8	191.5	194.4	191.2	189.6	186.4	187.5	187.3	182.0	177.5	179.6
Eom	199.8	194.5	191.5	194.7	190.3	188.6	186.3	188.1	186.4	180.7	177.6	179.1

1959

5	178.9	177.0	178.5	.....	180.9	175.0	173.7	170.9	172.3	175.6	174.0	175.7
10	178.6	175.8	178.9	.....	179.1	174.4	173.0	171.3	173.6	175.1	174.0	176.3
15	178.5	176.7	179.0	.....	179.5	174.6	172.4	171.2	173.0	174.2	174.4	177.9
20	178.2	176.8	177.4	181.1	178.4	175.0	172.4	171.2	173.6	173.6	174.4	179.2
25	178.7	178.0	176.0	180.5	176.6	177.1	171.9	171.7	173.7	173.6	174.7	.....
Eom	178.2	178.2	178.3	180.8	175.5	175.2	171.3	171.7	174.8	174.7	175.0	.....

N9-25. C. R. Barker. Formerly Order of Calenthia. Lat 28°31', long 99°37'. Drilled irrigation artesian well in Carrizo sand, diam 10 in, depth 1,300 ft. Lsd 487.40 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 2.85 below lsd, May 27, 1931; lowest 199.3 below lsd, Sept. 20, 1955. Records available: 1929-33, 1935-40, 1944-46, 1948-55, 1957-58. Feb. 8, 1957, 198.48; July 11, 1958, 168.48. No measurement made in 1956 or 1959.

O7-3. G. W. Hatch. Lat 28°36', long 99°26'. Drilled stock artesian well in Carrizo sand, diam 12 to 6 in, depth 1,860 ft (previously reported 1,800 ft), casing perforated 1,690-1,810. Lsd 604.15 ft above msl. MP top of iron pipe clamp, 1.70 ft above lsd. Highest water level 90.10 below lsd, Oct. 5, 1931; lowest 286.28 below lsd, Dec. 10, 1956. Records available: 1929-51, 1953-57. Sept. 19, 1956, 284.76; Dec. 10, 1956, 286.28; Feb. 18, 1957, 284.10. No measurement made in 1958 or 1959.

S1-18. J. C. Johnson. Lat 28°27' (previously reported 28°22'), long 99°52'. Drilled unused water-table well in Carrizo sand, diam 10 in, depth 320 ft, cased to 30. Lsd 704.10 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 99.0 below lsd, Mar. 18, 1930; lowest 132.05 below lsd, Dec. 18, 1959. Records available: 1930-59. Recorder installed Dec. 13, 1956.

S1-18--Continued.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	129.58
20	.....	.....	.....	.....	.....	.....	.....	.....	128.90	.....	.....	129.60
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	129.62
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	129.30

1957

5	129.63	129.71	129.76	130.18	130.07	129.88	130.20	130.09	130.13	130.34	130.40	130.16
10	129.73	129.70	129.54	129.87	129.77	129.85	130.23	130.04	130.25	130.46	130.51	130.22
15	129.60	129.80	130.04	129.82	129.83	130.10	130.17	130.10	130.23	130.21	130.15	130.43
20	129.55	129.90	129.71	129.83	129.74	129.98	130.10	130.13	130.27	130.41	130.35	130.38
25	129.70	129.48	130.03	129.88	129.97	129.96	130.08	130.07	130.31	130.40	130.35	130.34
Eom	129.48	129.66	129.82	129.86	129.91	130.18	130.05	130.14	130.27	130.20	130.57	130.32

1958

5	130.43	130.15	130.15	130.28	130.64	130.65	130.55	130.77	130.75	.....	.....	130.50
10	130.25	130.23	130.18	130.15	130.55	130.55	130.62	130.82	130.73	.....	.....	131.02
15	130.48	130.33	130.23	130.48	130.63	130.55	130.64	130.70	130.76	.....	.....	130.94
20	130.04	130.31	130.35	130.39	130.58	130.58	130.56	130.70	130.66	.....	.....	130.79
25	130.15	129.90	130.52	130.37	130.50	130.57	130.67	130.80	130.75	.....	130.70	130.85
Eom	130.12	130.29	130.39	130.52	130.48	130.53	130.72	130.80	130.70	.....	130.85	130.84

1959

5	130.97	130.71	130.88	131.10	131.10	131.05	131.10	131.16	131.27	131.62	131.55	131.74
10	130.97	130.81	130.69	131.34	130.91	131.05	131.28	131.25	131.50	131.51	131.43	131.62
15	130.75	131.02	130.99	131.08	131.18	131.07	131.26	131.21	131.16	131.54	131.60	131.69
20	130.57	131.08	130.72	131.03	131.08	131.06	131.28	131.24	131.39	131.41	131.44	131.87
25	130.77	130.80	130.85	131.11	131.03	131.09	131.17	131.25	131.30	131.32	131.46	.....
Eom	130.99	130.85	130.90	131.18	131.08	131.09	131.21	131.20	131.39	131.71	131.67	.....

h Tape measurement.

S2-94. Dolph Briscoe. Lat 28°20', long 94°46'. Drilled stock artesian well in Carrizo sand, diam 7 to 10 in, depth 1,424 ft. Lsd 694.10 ft above msl. MP top of 7-in liner, 2.20 ft above lsd. Highest water level 168.84 below lsd, Aug. 4, 1941; lowest 279.83 below lsd, June 11, 1957. Records available: 1929-33, 1935-41, 1943-46, 1952-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 19, 1952	239.99	Oct. 13, 1954	244.44	Sept. 19, 1956	269.77	June 11, 1957	279.83
Sept. 9, 1953	252.87	Sept. 20, 1955	245.61	Mar. 14, 1957	276.46	July 10, 1958	276.90

S2-102. J. P. Giles. Lat 28°22', long 99°40'. Drilled unused artesian well in Carrizo sand, diam 10 in, depth 1,185 ft. Lsd 581.95 ft above msl. MP top of concrete base, 1.00 ft above lsd. Highest water level 98.85 below lsd, Sept. 29, 1931; lowest 164.21 below lsd, July 11, 1958. Records available: 1929-33, 1935-58. Sept. 19, 1956, 146.04; Feb. 12, 1957, 154.17; Mar. 26, 1957, 157.65; July 30, 1958, 153.50; July 11, 1958, 164.21. No measurement made in 1959.

Donley County

314. U. S. Knox. Lat 34°59', long 101°00'. Drilled irrigation water-table well in sand, diam 16 in, depth 166 ft, cased to 147. MP top of pumpbase, 1.00 ft above lsd. Highest water level 53.00 below lsd, Mar. 3, 1959; lowest 56.78 below lsd, Jan. 22, 1957. Records available: 1955-59. Feb. 15, 1955, 54.49; Feb. 23, 1956, 54.41; Jan. 22, 1957, 56.78; Feb. 6, 1958, 55.08; Mar. 3, 1959, 53.00.

Duval County

69. Juan Peralez. Lat 27°46', long 98°23'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 140 ft, cased to 10. MP top of casing, 1.10 ft above lsd. Highest water level 67.67 below lsd (previously reported 67.07 below lsd), Feb. 6, 1950; lowest 78.06 below lsd, Feb. 14, 1957. Records available: 1933-41, 1943, 1945, 1947-50, 1952-58. Feb. 8, 1956, 76.75; Feb. 14, 1957, 78.06; Mar. 4, 1958, 70.76. No measurement made in 1959.

157. Francisco Vaello. Lat 27°34', long 98°26'. Drilled farm artesian well in Goliad sand, diam 5 in, depth 140 ft. MP top of pipe clamp, 1.60 ft above lsd. Highest water level 85.68 below lsd, Feb. 18, 1954; lowest 93.27 below lsd, Sept. 27, 1933 (previously reported 93.55 below lsd, Apr. 13, 1935). Records available: 1933-41, 1945, 1948-58. Feb. 8, 1956, 88.37; Feb. 14, 1957, 87.48; Mar. 4, 1958, 86.33. No measurement made in 1959.

187. Ranchita Anjerlina. Lat 27°36', long 98°14'. Dug stock water-table well in Goliad sand, diam 36 in, depth 70 ft, cribbed with rock to 5. MP top of curb, at lsd. 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, 1948-58. Feb. 8, 1956, 42.30; Feb. 14, 1957, 43.06; Mar. 4, 1958, 42.64. No measurement made in 1959.

201. Maria Villareal de Saenz. Lat 27°35', long 98°16'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 125 ft, cased to 30. MP top of 4- x 4-in pipe clamp, 1.00 ft above lsd. Highest water level 72.37 below lsd, Mar. 7, 1945; lowest 84.27 below lsd, Feb. 15, 1957. Records available: 1931, 1933-41, 1943, 1945-58. Feb. 8, 1956, 83.65; Feb. 15, 1957, 84.27; Mar. 4, 1958, 82.52. No measurement made in 1959.

271. J. Mann. Lat 27°22', long 98°28'. Drilled unused water-table well in Goliad sand, diam 5 in, depth 90 ft. MP top of steel pipe clamp, 0.50 ft above lsd. Highest water level 71.11 below lsd, Jan. 26, 1938; lowest 91.50 below lsd, Feb. 14, 1957. Records available: 1933-41, 1943, 1945, 1947-58. Feb. 8, 1956, 90.83; Feb. 14, 1957, 91.50; Mar. 4, 1958, 89.60. No measurement made in 1959.

290. Andalasia Garcia. Lat 27°19', long 98°24'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 100 ft. MP top of pipe clamp, 2.00 ft above lsd. Highest water level 48.85 below lsd, Mar. 4, 1958; lowest 53.36 below lsd, Feb. 27, 1951. Records available: 1931, 1933-38, 1940-41, 1943, 1945, 1947-58. Feb. 8, 1956, 51.17; Feb. 14, 1957, 49.34; Mar. 4, 1958, 48.85. No measurement made in 1959.

297. San Antonio Loan & Trust Co. Lat 27°17', long 98°20'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 200 ft. MP top of 4- x 6-in pipe clamp, 1.30 ft above lsd. 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, 1947-58. Feb. 8, 1956, 56.98; Feb. 14, 1957, 58.40; Mar. 4, 1958, 57.83. No measurement made in 1959.

301. Virginia Garcia. Lat 27°19', long 98°20'. Drilled farm artesian well in Goliad sand, diam 6 in, depth 280 ft, cased to 80. MP top of pipe clamp, 1.00 ft above lsd. Highest water level 49.00 below lsd, Mar. 30, 1933; lowest 80.70 below lsd, Feb. 14, 1957. Records available: 1931, 1933-41, 1943, 1945, 1947-50, 1953-58. Feb. 8, 1956, 79.49; Feb. 14, 1957, 80.70; Mar. 4, 1958, 79.22. No measurement made in 1959.

319. San Antonio Loan & Trust Co. Lat 27°19', long 98°15'. Drilled unused artesian well in Goliad sand, diam 6 in, depth 340 ft, cased to 340. MP top of 4- x 4-in pipe clamp, 1.00 ft above lsd. Highest water level 22.31 below lsd, Feb. 15, 1934; lowest 66.55 below lsd, Feb. 8, 1956. Records available: 1931, 1933-39, 1941, 1943, 1945-56. Feb. 8, 1956, 66.55. Well caved in; measurement discontinued.

#### El Paso County

48b(V-69). El Paso city test well 33. River end of Val Verde St. Lat 31°45', long 106°25'. Drilled observation water-table well in bolson deposits, diam 4 in, depth 622 ft. Lsd 3,696.37 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 17.63 below lsd, Jan. 22, 1951; lowest 48.68 below lsd, July 20, 1956. Records available: 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1956	38.50	Jan. 23, 1957	37.07	Jan. 24, 1958	41.38	Dec. 23, 1958	35.12
Feb. 21	37.62	Feb. 25	37.80	Feb. 25	45.28	Jan. 23, 1959	34.57
Mar. 20	40.20	Mar. 26	40.13	Mar. 25	40.90	Feb. 25	35.80
Apr. 23	36.34	Apr. 23	43.37	Apr. 25	38.91	Mar. 25	36.14
May 23	43.95	May 23	44.28	May 23	39.55	Apr. 23	36.96
June 21	47.06	June 24	48.02	June 25	47.80	May 25	37.50
July 20	48.68	July 23	46.06	July 25	48.09	June 25	40.99
Aug. 21	45.22	Aug. 23	42.59	Aug. 25	41.83	July 24	42.98
Sept. 21	46.73	Sept. 24	41.00	Sept. 25	38.32	Aug. 25	40.67
Oct. 23	43.06	Oct. 25	40.89	Oct. 24	35.78	Sept. 25	39.62
Nov. 23	39.64	Nov. 25	38.37	Nov. 25	35.22	Oct. 26	35.60
Dec. 21	37.79	Dec. 20	41.20				

64(V-42). City of El Paso and U.S. Geol. Survey test well 1. Lat 31°47', long 106°23'. Drilled observation water-table (previously reported artesian) well in bolson deposits, diam 6 to 2 in, depth 600 ft, cased to 441. Lsd 3,942.88 ft above msl. MP top of 2-in pipe inside 6-in cap, at lsd. Highest water level 260.21 below lsd, Sept. 15, 1936; lowest 283.66 below lsd, Oct. 26, 1959. Records available: 1936-59.



## 64(V-42)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1956	275.19	Jan. 23, 1957	277.32	Jan. 24, 1958	279.42	Dec. 23, 1958	281.22
Feb. 21	275.60	Feb. 25	277.30	Feb. 25	279.65	Jan. 23, 1959	281.31
Mar. 20	275.75	Mar. 26	277.60	Mar. 25	279.85	Feb. 25	281.19
Apr. 23	275.82	Apr. 23	277.78	Apr. 25	280.01	Mar. 25	281.15
May 23	275.99	May 23	277.93	May 23	280.26	Apr. 23	281.95
June 21	276.07	June 24	278.54	June 25	280.45	May 25	281.78
July 20	276.59	July 23	278.77	July 25	280.89	June 25	281.89
Aug. 21	276.88	Aug. 23	278.98	Aug. 25	281.35	July 24	282.38
Sept. 21	276.81	Sept. 24	279.25	Sept. 25	281.39	Aug. 25	282.59
Oct. 23	277.13	Oct. 25	279.29	Oct. 24	281.46	Sept. 25	282.71
Nov. 23	277.46	Nov. 25	279.68	Nov. 25	281.39	Oct. 26	283.66
Dec. 21	277.25	Dec. 20	279.50				

75b(V-22). El Paso city test well 10. Lat 31°49', long 106°24'. Drilled observation artesian well in bolson deposits, diam 8 in, depth 1,117 ft. Lsd 3, 879.15 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 203.90 below lsd, Jan. 15, 1939; lowest 227.53 below lsd, Oct. 25, 1959. Records available: 1938-59.

Jan. 20, 1956	223.69	Feb. 25, 1957	224.08	Feb. 25, 1958	225.19	Jan. 23, 1959	225.38
Feb. 21	224.05	Mar. 26	224.13	Mar. 22	224.64	Feb. 25	225.44
Mar. 20	224.21	Apr. 23	224.89	Apr. 22	225.05	Mar. 25	225.46
Apr. 23	223.83	May 23	225.21	May 23	225.47	Apr. 24	225.69
May 23	224.59	June 24	225.85	June 20	225.72	May 25	225.83
June 21	225.02	July 23	225.88	25	226.04	June 25	226.46
July 20	225.50	Aug. 23	225.40	July 25	226.71	July 24	226.89
Aug. 21	225.22	Sept. 20	225.14	Aug. 25	225.96	Aug. 25	227.13
Sept. 21	224.62	Oct. 20	224.97	Sept. 25	225.66	Sept. 25	227.31
Oct. 23	224.48	Nov. 21	224.78	Oct. 24	225.44	Oct. 25	227.53
Nov. 23	224.49	Dec. 22	224.55	Nov. 25	225.29	Nov. 25	227.20
Dec. 21	223.98	Jan. 24, 1958	224.30	Dec. 24	225.42	Dec. 24	226.94
Jan. 23, 1957	223.97						

76(V-11). City of El Paso and U. S. Geol. Survey test well 2. Lat 31°49', long 106°23'. Drilled observation artesian well in bolson deposits, diam 2 in, depth 600 ft, cased to 416. Lsd 3, 919.40 ft above msl. MP top of 2-in pipe inside 6-in cap, at lsd. Highest water level 234.73 below lsd, Sept. 21, 1938; lowest 268.42 below lsd, July 24, 1959. Records available: 1936-59.

Jan. 20, 1956	258.85	Jan. 23, 1957	258.43	Jan. 24, 1958	259.46	Dec. 24, 1958	262.56
Feb. 21	258.91	Feb. 25	260.91	Feb. 25	261.42	Jan. 23, 1959	261.67
Mar. 20	259.91	Mar. 26	258.86	Mar. 25	259.62	Feb. 25	263.93
Apr. 23	260.17	Apr. 23	261.58	Apr. 25	263.29	Mar. 25	264.45
May 23	263.30	May 23	264.10	May 23	263.94	Apr. 23	265.77
June 21	263.52	June 24	265.87	June 25	265.74	May 25	266.39
July 20	263.70	July 23	265.30	July 25	267.42	June 25	267.22
Aug. 21	262.42	Aug. 23	264.95	Aug. 25	264.00	July 24	268.42
Sept. 21	264.70	Sept. 25	261.68	Sept. 25	264.51	Aug. 25	264.74
Oct. 23	264.46	Oct. 25	259.87	Oct. 24	263.89	Sept. 25	265.68
Nov. 23	262.23	Nov. 25	260.16	Nov. 25	264.23	Oct. 26	266.38
Dec. 21	261.26	Dec. 20	259.52				

136(R-22). City of El Paso and U. S. Geol. Survey test well 3. Lat 31°54', long 106°24'. Drilled observation artesian well in bolson deposits, diam 6 to 2 in, depth 500 ft, cased to 335. Lsd 3, 944.11 ft above msl. MP top of 2-in pipe inside 6-in cap, at lsd. Highest water level 244.11 below lsd, Jan. 20, 1937; lowest 269.00 below lsd, July 24, 1959. Records available: 1936-59.

Jan. 20, 1956	259.12	Jan. 23, 1957	259.69	Jan. 24, 1958	261.71	Dec. 24, 1958	263.26
Feb. 21	259.43	Feb. 25	259.90	Feb. 25	262.18	Jan. 23, 1959	263.00
Mar. 20	259.62	Mar. 26	260.60	Mar. 25	261.87	Feb. 25	263.27
Apr. 23	259.44	Apr. 23	262.44	Apr. 25	262.72	Mar. 25	263.58
May 23	259.96	May 23	263.64	May 23	264.31	Apr. 24	265.10
June 21	260.05	June 24	265.04	June 25	265.88	May 25	265.47
July 20	260.67	July 23	264.94	July 25	267.18	June 25	268.35
Aug. 21	260.49	Aug. 23	263.93	Aug. 25	264.94	July 24	269.00
Sept. 21	260.37	Sept. 25	264.56	Sept. 25	264.55	Aug. 25	267.16
Oct. 23	260.55	Oct. 25	262.52	Oct. 24	263.82	Sept. 25	268.80
Nov. 23	260.45	Nov. 25	262.18	Nov. 25	263.55	Oct. 26	267.80
Dec. 21	259.77	Dec. 24	262.07				

Q-86(UVT-4). City of El Paso well CR-1. Lat 31°55', long 106°36'. Drilled test and observation artesian well in sand, diam 6 in, depth 200 ft. Lsd 3,767.50 ft above msl. MP top of casing, at lsd. Highest water level 6.13 below lsd, Oct. 31, 1958; lowest 23.48 below lsd, June 11, 1957. Records available: 1954-59. Recorder installed May 28, 1954.

Highest water level for the day, from recorder graph, 1954												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	9.88	9.86	9.71	9.61	9.47	8.56	7.83
10	....	....	....	....	....	9.87	9.85	9.72	9.46	9.40	....	7.75
15	....	....	....	....	....	9.87	9.85	9.70	9.46	9.27	8.31	7.20
20	....	....	....	....	....	9.87	9.78	9.68	9.44	9.11	8.19	7.17
25	....	....	....	....	....	9.87	9.72	9.65	9.44	8.98	8.05	7.11
Eom	....	....	....	....	9.89	9.87	9.68	9.56	9.45	8.73	7.93	7.05
1955												
5	7.01	6.89	6.87	....	7.01	6.96	8.65	....	13.74	13.40	15.79	13.18
10	6.95	6.90	6.59	....	6.82	6.84	9.25	12.29	12.97	13.42	15.16	13.10
15	6.88	6.85	6.83	....	7.04	7.38	9.72	12.46	12.26	13.90	14.67	13.03
20	6.89	6.84	6.97	....	7.06	7.56	10.53	12.93	11.91	14.40	....	....
25	6.85	6.82	6.98	....	....	8.02	....	13.17	12.43	14.88	13.81	....
Eom	6.82	6.81	6.98	6.86	7.05	7.85	....	13.57	12.87	15.35	....	....
1956												
5	....	10.80	11.03	12.03	12.16	15.24	16.58	16.50	17.87	19.32	....	....
10	....	10.68	11.75	11.99	12.58	15.90	17.08	17.00	17.15	19.60	....	....
15	....	....	12.11	12.00	13.27	16.40	17.53	17.88	16.88	19.65	....	....
20	....	....	12.24	11.97	13.78	16.84	17.92	18.16	17.62	....	....	....
25	11.16	10.54	12.18	11.98	14.27	16.84	18.14	18.07	18.33	....	....	....
Eom	10.97	10.39	12.08	12.03	14.56	16.84	17.57	17.88	18.85	....	....	....
1957												
5	....	22.07	22.30	22.42	21.66	23.31	22.62	17.75	15.60	14.08	12.39	11.51
10	....	22.16	22.52	22.30	21.44	23.46	22.63	18.40	14.45	13.57	12.27	11.47
15	....	22.01	22.84	21.83	22.37	23.36	22.48	18.01	17.52	13.18	12.03	11.20
20	....	18.23	22.92	21.53	22.31	23.09	22.30	15.36	19.88	13.20	11.88	11.33
25	....	....	22.92	21.35	22.55	22.33	18.84	14.81	20.18	12.78	11.75	11.27
Eom	....	....	22.95	21.52	22.82	22.40	18.10	14.42	14.87	12.50	11.70	11.20
1958												
5	11.15	10.86	10.26	10.75	9.39	9.19	16.38	11.62	8.21	6.55	6.20	7.35
10	11.05	10.35	10.09	10.13	9.44	9.00	12.96	11.23	8.18	6.49	6.49	7.50
15	11.05	10.15	10.00	9.82	9.49	14.70	16.77	10.50	7.32	6.30	6.94	7.55
20	10.96	10.25	10.16	9.80	9.53	15.04	16.69	10.15	7.24	6.17	7.20	7.53
25	10.91	9.90	10.20	9.63	9.45	15.70	16.85	9.41	6.98	6.22	7.25	7.53
Eom	10.92	9.87	10.19	9.45	11.31	16.13	16.60	8.75	6.75	6.13	7.38	7.61
1959												
5	7.65	7.73	7.87	7.27	13.43	15.40	16.15	10.96	7.97	6.44	7.97	7.94
10	7.66	7.80	7.62	7.22	13.87	15.63	16.35	10.00	7.28	6.75	7.98	7.87
15	7.67	7.88	7.54	6.98	14.10	15.89	16.77	12.97	6.72	7.52	8.01	7.90
20	7.56	7.86	7.49	6.90	14.58	15.90	16.48	8.63	8.00	7.71	8.08	7.90
25	7.69	7.94	9.05	11.43	14.87	15.81	16.52	8.04	6.85	7.89	7.98	7.84
Eom	7.75	7.95	7.30	12.99	14.54	16.97	16.81	7.44	6.54	8.03	7.95	7.82

### Floyd County

5. M. C. Scheele. Lat 34°16', long 101°31'. Drilled irrigation water-table well in sand, diam 15 to 11 in (previously reported 16 in), depth 211 ft (previously reported 200 ft). MP top of pumpbase, 0.80 ft above lsd. Highest water level 48.00 below lsd, Apr. 28, 1936; lowest 93.10 below lsd, Jan. 2, 1959. Records available: 1936-59. Jan. 4, 1956, 81.17; Jan. 4, 1957, 85.57; Jan. 14, 1958, 88.74; Jan. 2, 1959, 93.10.

32. H. Frizzell. Formerly Frank Whitfill. Lat 34°15', long 101°24'. Drilled irrigation water-table well in sand, diam 16 to 10 in, depth 215 ft. MP end of discharge pipe, 3.49 ft above lsd. Highest water level 89.20 below lsd, Jan. 3, 1938 (previously reported 89.22 below lsd, Jan. 3, 1939); lowest 140.30 below lsd, Jan. 5, 1959. Records available: 1937-43, 1945-59. Jan. 5, 1956, 123.36; Jan. 4, 1957, 129.60; Jan. 14, 1958, 137.16; Jan. 5, 1959, 140.30.

112. C. R. Roach. Lat 34°10', long 101°32'. Drilled irrigation water-table well in sand, diam 18 to 12 in, depth 281 ft, cased to 267. MP top of pumpbase, 1.00 ft above lsd. Highest water level 48.5 below lsd, Feb. 2, 1914; lowest 110.72 below lsd, Jan. 14, 1958. Records available: 1914, 1936-59. Jan. 18, 1956, 107.79; Jan. 6, 1957, 106.60; Jan. 14, 1958, 110.72; Jan. 2, 1959, 109.50.

416. J. R. Belt, Jr. Lat 34°07', long 101°30'. Drilled irrigation water-table well in sand, diam 16 to 12 in, depth 213 ft. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 48.2 below lsd, August 1913; lowest 139.85 below lsd, Jan. 6, 1959. Records available: 1913-14, 1938-50, 1953-59. Jan. 18, 1956, 132.67; Jan. 9, 1957, 137.74; Jan. 22, 1958, 138.52; Jan. 6, 1959, 139.85.

472. Texas Land & Development Co. Lat 34°04', long 101°30'. Drilled unused water-table well in sand, diam 26 to 10 in, depth 293 ft. MP top edge of steel plate, 1.00 ft above lsd. Highest water level 47.06 below lsd, June 28, 1938; lowest 128.85 below lsd, Jan. 6, 1959. Records available: 1938-59. Jan. 6, 1956, 116.82; Jan. 9, 1957, 125.57; Jan. 13, 1958, 126.10; Jan. 6, 1959, 128.85.

510. W. R. Crow. Lat 34°01', long 101°30'. Drilled irrigation water-table well in sand, diam 15 to 10 in, depth 309 ft. MP top of concrete base, 0.40 ft above lsd. Highest water level 39.88 below lsd, Dec. 2, 1937; lowest 109.54 below lsd, Jan. 6, 1959. Records available: 1937-49, 1951-59. Jan. 6, 1956, 102.44; Jan. 8, 1957, 102.77; Jan. 13, 1958, 107.02; Jan. 6, 1959, 109.54.

529. Panhandle & Santa Fe Ry. Co. Lat 34°00', long 101°20'. Drilled stock water-table well in sand, diam 6 in, depth 138 ft, not cased. MP top of pipe clamp, 0.50 ft above lsd. Highest water level 109.49 below lsd, Feb. 1, 1944; lowest 113.68 below lsd, Jan. 2, 1959. Records available: 1937-40, 1942-57, 1959. Jan. 9, 1956, 111.25; Jan. 9, 1957, 113.55; Jan. 2, 1959, 113.68. No measurement made in 1958.

554. Marvin Shurbet. Lat 33°52', long 101°30'. Drilled unused water-table well in sand, diam 16 to 13 in, depth 215 ft, casing slotted to 215 (8-in liner to about 200 ft was installed in January 1958). Lsd 3, 211.60 ft above msl. MP top of concrete curb, 2.00 ft above lsd. Highest water level 83.70 below lsd, Mar. 18, 1947; lowest 200.88 below lsd, Sept. 4, 1958. Records available: 1947, 1949, 1951-59. Production well located 150 ft away. Recorder installed Jan. 31, 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 18, 1947	83.70	Jan. 16, 1952	93.60	Jan. 6, 1955	108.01	Feb. 1, 1957	121.80
Mar. 10, 1949	87.20	Jan. 10, 1953	96.32	Jan. 6, 1956	108.66	Jan. 9, 1958	158.44
Jan. 18, 1951	91.80	Jan. 6, 1954	103.73				

c Nearby well being pumped.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	119.6	119.3	119.0	119.0	120.5	e136.7	.....	e200.9	156.8	132.8	130.8
10	e158.4	119.6	119.2	120.8	119.0	120.4	.....	.....	190.1	151.4	130.8	129.0
15	.....	119.5	119.1	119.5	119.0	122.0	.....	.....	181.1	146.7	129.2	128.5
20	.....	119.5	119.1	119.0	119.1	122.9	.....	.....	174.4	142.3	130.2	130.7
25	.....	119.2	119.1	119.0	119.8	123.5	.....	.....	e168.5	138.9	131.4	131.5
Eom	119.9	119.3	119.0	119.1	119.1	124.3	.....	.....	161.8	135.2	130.2	129.8
1959												
5	127.9	124.8	.....	.....	.....	174.0	.....	.....	.....	.....	.....	.....
10	127.4	125.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	126.0	127.9	.....	.....	.....	.....	.....	.....	.....	165.9	.....	.....
20	124.8	133.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	124.7	135.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	124.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	135.7

e Estimated.

729. Floyd Trowbridge. Lat 33°55', long 101°32'. Drilled irrigation water-table well in sand, diam 16 to 12 in, depth 388 ft, cased 16-in 0-200, 12-in 195-368. MP top of concrete base, 1.90 ft above lsd. Highest water level 75.41 below lsd, Mar. 18, 1947; lowest 129.11 below lsd, Jan. 5, 1959. Records available: 1947-49, 1951-59. Jan. 6, 1956, 108.16; Jan. 8, 1957, 119.83; Jan. 9, 1958, 119.94; Jan. 5, 1959, 129.11.

### Foard County

A-3. Hartley Easley. Lat 34°02', long 99°56'. Drilled unused water-table well in porous gypsum, diam 6 in, depth 34 ft. MP top of casing, 3.00 ft above lsd. Highest water level 16.53 below lsd, Jan. 6, 1956; lowest 30.34 below lsd, Jan. 16, 1957. Records available: 1956-58. Jan. 6, 1956, 16.53; Jan. 16, 1957, 30.34; Jan. 3, 1958, 19.95. No measurement made in 1959.

C-1. City of Crowell well 1. Lat 34°04', long 99°37'. Dug public-supply water-table well in sand, diam 12 in, depth 29 ft, casing slotted. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 13.25 below lsd, July 2, 1944; lowest 21.86 below lsd, Jan. 6, 1956. Records available: 1944, 1951, 1953-58. No measurement made in 1959.

## C-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 2, 1944	13.25	Jan. 7, 1953	c19.73	Jan. 7, 1955	c21.18	Jan. 16, 1957	c23.84
Aug. 4	13.43	Jan. 6, 1954	c20.96	Jan. 6, 1956	21.86	Jan. 3, 1958	21.01
Feb. 26, 1951	c17.22						

c Nearby well being pumped.

C-5. City of Crowell well 5. Lat 34°08', long 99°37'. Dug public-supply water-table well in sand, diam 12 in, depth 28 ft, casing slotted. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 12.84 below lsd, Aug. 3, 1944; lowest 15.83 below lsd, Jan. 7, 1953. Records available: 1944, 1951, 1953-55, 1957-58. No measurement made in 1956 or 1959.

Aug. 3, 1944	12.84	Feb. 26, 1951	14.36	Jan. 5, 1954	c17.42	Jan. 16, 1957	c15.83
4	14.01	Jan. 7, 1953	15.83	Jan. 7, 1955	b19.30	Jan. 3, 1958	15.76

b Well pumped recently.

c Nearby well being pumped.

D-292. S. W. McLarty. Lat 34°03', long 99°31'. Drilled irrigation water-table well in sand, diam 15 in, depth 42 ft, casing slotted below 22. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 13.05 below lsd, Oct. 25, 1943; lowest 19.77 below lsd, Jan. 16, 1957. Records available: 1936, 1941, 1943, 1951-53, 1955-58. Measurement discontinued.

May 1936	15.00	Feb. 25, 1951	15.61	Jan. 7, 1955	19.40	Jan. 16, 1957	19.77
Apr. 10, 1941	18.05	Feb. 10, 1952	15.00	Jan. 6, 1956	17.77	Jan. 3, 1958	17.36
Oct. 25, 1943	13.05	Jan. 9, 1953	16.94				

D-299. Barney Martin. Lat 34°03', long 99°29'. Dug farm water-table well in sand, diam 48 in, depth 37 ft, curbed with brick. MP top of concrete curb, 0.50 ft above lsd. Highest water level 18.15 below lsd, Apr. 10, 1941; lowest 21.20 below lsd, Jan. 16, 1957. Records available: 1936, 1941, 1951-58. No measurement made in 1959.

May 5, 1936	19.00	Feb. 10, 1952	19.21	Jan. 7, 1955	20.53	Jan. 16, 1957	21.20
Apr. 10, 1941	18.15	Jan. 9, 1953	19.72	Jan. 6, 1956	19.30	Jan. 3, 1958	19.80
Feb. 26, 1951	18.93	Jan. 7, 1954	19.90				

D-307. T. F. Lambert, Jr. Lat 34°03', long 99°28'. Dug farm water-table well in sand, diam 48 in, depth 23 ft. MP top of concrete cover, 3.00 ft above lsd. Highest water level 11.59 below lsd, Oct. 25, 1943; lowest 18.54 below lsd, Jan. 16, 1957. Records available: 1936, 1941, 1943, 1951-58. No measurement made in 1959.

May 6, 1936	15.00	Feb. 26, 1951	13.51	Jan. 7, 1954	17.83	Jan. 16, 1957	18.54
Apr. 10, 1941	13.25	Feb. 10, 1952	15.31	Jan. 7, 1955	18.34	Jan. 3, 1958	17.37
Oct. 25, 1943	11.59	Jan. 9, 1953	16.90	Jan. 6, 1956	17.53		

F-2. C. S. Wilson. Lat 33°59', long 99°45'. Drilled unused water-table well in Clear Fork group of Permian age, diam 12 in, depth 60 ft. MP top of casing, 2.25 ft above lsd. Highest water level 20.90 below lsd, Jan. 3, 1958; lowest 23.91 below lsd, Jan. 16, 1957. Records available: 1956-58. Jan. 6, 1956, 21.09; Jan. 16, 1957, 23.91; Jan. 3, 1958, 20.90. No measurement made in 1959.

## Fort Bend County

7. C. C. Cardiff well 1. Lat 29°44', long 95°50'. Drilled stock artesian well in sand, diam 24 to 6 in, depth 337 ft, cased, 24-in 0-98, 18-in 98-112, 12-in 112-271, 6-in 271-337, part screened. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 53.21 below lsd, Mar. 3, 1931; lowest 88.89 below lsd, Nov. 13, 1959. Records available: 1931, 1933, 1939-59.

Mar. 9, 1956	79.39	Mar. 13, 1957	82.75	Mar. 17, 1958	83.48	Mar. 11, 1959	84.54
Nov. 16	85.70	Dec. 2	86.18	Dec. 1	87.44	Nov. 13	88.89

26. C. Pillot well 1. Lat 29°41', long 95°41'. Drilled unused artesian well in sand, diam 26 to 12 in, depth 657 ft, cased, 26-in 0-82, 12-in 82-657, part screened. MP top of casing, at lsd. Highest water level 25.15 below lsd, Mar. 25, 1953; lowest 63.60 below lsd, May 20, 1949. Records available: 1939-56, 1958-59. Mar. 9, 1956, 31.27; Mar. 25, 1958, 33.08; Mar. 11, 1959, 25.17. No measurement made in 1957. Measurement discontinued.

30a. B. Ray Woods well 2. Lat 29°44', long 95°55'. Drilled irrigation artesian well in sand, diam 16 to 8 in, depth 334 ft, casing slotted opposite sands below 74. MP top of measuring pipe, 0.20 ft above lsd. Highest water level 64.23 below lsd, Mar. 24, 1947; lowest 88.32 below lsd, Dec. 2, 1958. Records available: 1940-59. Mar. 9, 1956, 81.61; Mar. 15, 1957, 82.91; Dec. 2, 86.58; Mar. 19, 1958, 84.65; Dec. 2, 88.32; Mar. 11, 1959, 85.80; Nov. 16, 87.93.

77. Ansel & Brinkman. Lat 29°36', long 95°28'. Drilled irrigation artesian well in sand, diam 18 in, depth 800 ft, casing slotted below 240. MP lower edge of porthole, 1.80 ft above lsd. Highest water level 47.0 below lsd, Apr. 9, 1945; lowest 108.64 below lsd, Feb. 20, 1957. Records available: 1945-59. Feb. 16, 1956, 102.95; Feb. 20, 1957, 108.64; Dec. 11, 107.14; Feb. 26, 1958, 104.69; Dec. 9, 106.58; Feb. 18, 1959, 104.79; Dec. 21, 103.82.

A-2. Southern Pacific Lines. Simonton. Lat 29°40', long 95°58'. Drilled unused artesian well in sand, diam 6 in, depth 300 ft. MP top of casing, 0.50 ft above lsd. Highest water level 18.50 below lsd, May 14, 1947; lowest 43.51 below lsd, Jan. 21, 1957. Records available: 1947-59. Jan. 23, 1956, 39.99; Aug. 10, 41.58; Jan. 21, 1957, 43.51; Aug. 1, 39.83; Feb. 3, 1958, 38.96; Aug. 5, 39.31; Aug. 11, 1959, 39.26.

E-2. A. E. Myers. Booth. Lat 29°31', long 95°39'. Drilled farm artesian well in sand, diam 6 in, depth 720 ft, screened 627-674. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 30.0 below lsd, Dec. 4, 1944; lowest 79.00 below lsd, Aug. 6, 1958. Records available: 1944, 1947-58. Jan. 23, 1956, 69.70; Jan. 23, 1957, 75.60; Feb. 3, 1958, 73.87; Aug. 6, 79.00. No measurement made in 1959.

F-50. W. L. Ansel well 2. Lat 29°36', long 95°54'. Drilled irrigation artesian well in sand, diam 18 in, depth 438 ft, casing slotted below 91. MP top of casing, 2.00 ft above lsd. Highest water level 43.66 below lsd, Apr. 24, 1947; lowest 55.81 below lsd, Jan. 21, 1957. Records available: 1947-59. Jan. 27, 1956, 53.65; Aug. 10, 55.70; Jan. 21, 1957, 55.81; Aug. 1, 50.68; Feb. 3, 1958, 50.39; Aug. 5, 53.37; Aug. 11, 1959, 53.32.

H-16. Jack Wendt well 1. Lat 29°25', long 95°56'. Drilled irrigation artesian well in sand, diam 18 in, depth 397 ft, casing slotted below 112. MP top of casing, 1.00 ft above lsd. Highest water level 22.26 below lsd, Apr. 14, 1947; lowest 36.11 below lsd, Aug. 6, 1952. Records available: 1947-52, 1954-57. Jan. 27, 1956, 33.18; Jan. 22, 1957, 35.07. No measurement made in 1958 or 1959.

I-22. Walter Gless. Lat 29°25', long 95°45'. Drilled irrigation artesian well in sand, diam 18 in, depth 636 ft, casing slotted below 85. MP top of casing, 1.00 ft above lsd. Highest water level 11.87 below lsd, Apr. 24, 1947; lowest 42.03 below lsd, Aug. 28, 1951. Records available: 1947-48, 1950-58. Jan. 27, 1956, 37.96; Jan. 22, 1957, 41.31; Jan. 28, 1958, 37.59. No measurement made in 1959.

I-25. C. A. Danklefs well 2. Lat 29°22', long 95°45'. Drilled irrigation artesian well in sand, diam 20 in, depth 556 ft, casing slotted below 64. MP top of casing, 2.00 ft above lsd. Highest water level 21.19 below lsd, Mar. 4, 1948; lowest 43.72 below lsd, Sept. 2, 1949. Records available: 1944, 1948-58. Jan. 27, 1956, 29.52; Jan. 22, 1957, 29.32; Jan. 28, 1958, 27.34. No measurement made in 1959.

#### Frio County

2. Blackaller Ranch. Lat 29°04', long 99°15'. Drilled ranch water-table well in Carrizo sand, diam 5 in, depth 85 ft. Lsd 654.70 ft above msl. MP top of iron water-pipe clamp, 2.00 ft above lsd. Highest water level 60.0 below lsd, 1929; lowest 72.23 below lsd, Jan. 21, 1957. Records available: 1929, 1949-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1929	60.0	July 12, 1951	62.83	Oct. 12, 1954	67.53	Jan. 21, 1957	72.23
July 20, 1949	60.99	July 22, 1952	63.64	Apr. 14, 1955	67.74	Jan. 16, 1958	71.08
July 17, 1950	63.50	July 14, 1953	65.03	Jan. 10, 1956	69.08		

9. Mrs. W. A. Roberts. Lat 29°01', long 99°15'. Drilled ranch artesian well in Carrizo sand, diam 6 in, depth 197 ft. Lsd 626.30 ft above msl. MP top of concrete base, 3.00 ft above lsd. Highest water level 50.26 below lsd, July 20, 1949; lowest 65.97 below lsd, Jan. 21, 1957. Records available: 1929, 1949-58. No measurement made in 1959.

1929	52.0	July 12, 1951	53.58	Oct. 12, 1954	59.92	Jan. 21, 1957	65.97
July 20, 1949	50.26	July 22, 1952	57.44	Apr. 14, 1955	62.12	Jan. 16, 1958	60.17
July 17, 1950	52.55	July 14, 1953	62.14	Jan. 11, 1956	59.87		

19. J. W. Winters. Lat 29°03', long 99°00'. Drilled domestic artesian well in Carrizo sand, diam 6 in, depth 200 ft. Lsd 660.80 ft above msl. MP top of iron water-pipe clamp, 1.50 ft above lsd. Highest water level 101.0 below lsd, 1929; lowest 109.06 below lsd, Jan. 12, 1956. Records available: 1929, 1949-58. No measurement made in 1959.

1929	101.0	July 11, 1951	103.50	Oct. 4, 1954	104.68	Jan. 20, 1957	106.86
July 21, 1949	102.11	July 22, 1952	105.06	Apr. 13, 1955	105.71	Jan. 15, 1958	105.98
July 13, 1950	102.18	July 15, 1953	104.64	Jan. 12, 1956	109.06		

41. George Uhl. Lat 28°55', long 99°05'. Drilled unused artesian well in Mount Selman formation, diam 8 in, depth 130 ft. MP top of iron water-pipe clamp, 0.50 ft above lsd. Highest water level 63.63 below lsd, July 21, 1949; lowest 78.30 below lsd, 1929. Records available: 1929, 1949-58. No measurement made in 1959.

1929	78.30	July 11, 1951	64.88	Oct. 4, 1954	69.68	Jan. 20, 1957	67.79
July 21, 1949	63.63	July 22, 1952	64.53	May 23, 1955	68.73	Jan. 15, 1958	68.63
July 17, 1950	63.67	July 15, 1953	74.44	Jan. 12, 1956	74.91		

163. B. L. Roberts. Lat 28°59', long 99°18'. Drilled irrigation artesian well in Carrizo sand, diam 12 to 10 in, depth 585 ft, cased to 450, slotted 410-450. MP top of discharge pipe, 5.50 ft above lsd. Highest water level 93.19 below lsd, Oct. 13, 1954; lowest 104.02 below lsd, Jan. 16, 1958. Records available: 1952, 1954-55, 1957-58. Aug. 19, 1952, 95.96; Oct. 13, 1954, 93.19; Apr. 14, 1955, 98.37; Feb. 21, 1957, 99.50; Jan. 16, 1958, 104.02. No measurement made in 1953, 1956, or 1959.

### Gaines County

2. Carrol Cobb. Lat 32°36', long 102°38'. Drilled stock water-table well in sand, diam 8 in, depth 100 ft, cased to 100, perforated 50-100. MP top of pipe clamp, 1.00 ft above lsd. Highest water level 54.25 below lsd, Jan. 12, 1955 (previously reported 54.79 below lsd, Jan. 26, 1951); lowest 56.55 below lsd, Apr. 27, 1938. Records available: 1937-38, 1940-41, 1943, 1949-55, 1957-59. Jan. 24, 1957, 54.53; Jan. 15, 1958, 55.31; Jan. 22, 1959, 54.48. No measurement made in 1956.

6a. Andrew Fasken. Lat 32°40', long 102°36'. Drilled stock water-table well in sand, diam 5 in, depth 160 ft. MP top of wood water-pipe clamp, 1.00 ft above lsd. Highest water level 40.54 below lsd, Jan. 12, 1955 (previously reported 40.67 below lsd, Apr. 7, 1938); lowest 45.72 below lsd, Jan. 12, 1954. Records available: 1938-40, 1943, 1949-57, 1959. Jan. 30, 1956, 42.18; Jan. 27, 1957, 45.70; Jan. 22, 1959, 42.75. No measurement made in 1958.

A-41. Owner unknown. Lat 32°56', long 103°00'. Drilled irrigation water-table well in sand, diam 16 in, depth 168 ft, cased to 115, slotted below 75. MP top of pumpbase, 1.50 ft above lsd. Highest water level 45.70 below lsd, Jan. 21, 1953; lowest 59.38 below lsd, Jan. 16, 1958. Records available: 1953-59. Jan. 21, 1953, 45.70; Jan. 12, 1954, 45.98; Jan. 12, 1955, 48.66; Jan. 25, 1956, 51.62; Jan. 30, 1957, 54.74; Jan. 16, 1958, 59.38; Jan. 21, 1959, 58.93.

B-2. W. S. Wimberely. Lat 32°50', long 102°48'. Drilled irrigation water-table well in sand, diam 16 in, depth 168 ft, cased to 115, slotted below 75. MP top of base, 1.00 ft above lsd. Highest water level 76.72 below lsd, Apr. 4, 1951; lowest 87.40 below lsd, Jan. 16, 1958. Records available: 1951, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1951	76.72	Jan. 12, 1954	86.98	Jan. 26, 1956	85.56	Jan. 16, 1958	87.40
Jan. 21, 1953	82.36	Jan. 12, 1955	85.73	Jan. 29, 1957	85.79	Jan. 22, 1959	85.37

B-3. Southwestern Public Service Co. Lat 32°57', long 102°53'. Drilled observation water-table well in sand, diam 10 in, depth 143 ft, casing slotted 73-143. MP top of concrete base, at lsd. Highest water level 62.97 below lsd, Apr. 20, 1949; lowest 77.99 below lsd, Sept. 10, 1959. Records available: 1949-59. Recorder installed Apr. 12, 1949.

### Highest water level for the day, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	63.06	63.25	63.51	63.62	64.72	64.66	64.64	64.97
10	.....	.....	.....	.....	63.09	63.48	63.52	63.78	.....	64.49	64.61	65.08
15	.....	.....	.....	63.09	63.18	63.58	63.49	64.00	.....	64.31	64.81	65.06
20	.....	.....	.....	62.97	63.27	63.65	.....	64.15	.....	64.16	64.94	65.00
25	.....	.....	.....	63.14	63.26	63.55	63.57	64.31	64.88	64.26	65.18	65.00
Eom	.....	.....	.....	63.11	63.26	63.50	63.58	64.40	64.87	64.43	64.98	64.93

1950

5	64.90	65.30	65.47	65.72	66.75	66.44	66.88	67.05	67.32	.....	67.89	68.05
10	64.89	65.27	65.55	67.03	66.68	66.64	66.92	67.28	67.45	.....	67.87	68.13
15	64.94	65.32	65.63	67.08	66.72	66.66	66.87	67.58	67.51	.....	67.85	68.13
20	65.13	65.50	65.63	67.12	66.71	66.65	66.94	67.64	67.70	.....	67.84	68.00
25	65.19	65.51	65.73	67.13	66.66	66.74	66.88	67.48	.....	.....	67.83	67.97
Eom	65.31	65.40	65.72	67.07	66.52	66.78	67.03	67.45	67.84	67.86	67.97	68.09

1951

5	68.10	67.69	67.97	68.29	68.34	68.54	68.61	69.04	.....	68.88	68.95	69.48
10	68.05	67.73	67.98	67.82	68.43	68.46	68.76	69.06	69.08	69.12	69.01	69.38
15	67.97	67.74	67.98	67.92	68.53	68.38	68.82	69.00	69.12	69.21	69.20	69.23
20	67.82	67.90	67.99	68.03	68.60	68.33	68.86	69.10	69.15	69.12	69.25	69.17
25	67.80	67.93	68.01	68.09	68.63	68.60	68.85	69.07	69.13	69.10	69.29	69.27
Eom	67.72	67.95	68.12	68.21	68.60	68.68	68.94	.....	68.98	68.97	69.34	69.58

1952

5	69.54	69.89	70.26	70.19	69.8	70.2	70.4	70.0	69.7	70.57	70.79	71.03
10	69.65	70.01	70.05	70.08	69.8	70.3	70.2	69.9	.....	70.53	70.78	71.09
15	69.61	70.11	70.25	69.98	69.7	70.4	70.1	69.9	.....	70.55	70.83	71.15
20	69.59	70.18	70.31	69.89	69.7	70.4	70.0	69.8	70.35	70.57	70.82	71.24
25	69.51	70.24	70.35	69.7	69.7	70.4	69.9	69.7	70.48	70.60	70.86	71.26
Eom	69.76	70.26	70.23	69.7	70.0	70.3	69.9	69.7	70.51	70.69	70.95	71.28

B-3--Continued.

1953												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.22	71.20	71.64	72.00	72.48	73.10	73.38	73.66	73.36	72.93	73.65	73.04
10	71.11	71.33	71.79	72.19	72.58	73.19	.....	73.80	73.27	72.98	73.57	72.87
15	71.07	71.27	71.86	72.22	72.68	73.34	.....	73.81	73.12	72.97	73.33	72.81
20	70.96	71.31	71.87	72.27	72.65	73.34	73.40	73.64	72.99	72.99	73.33	72.58
25	70.78	71.40	71.90	72.47	72.88	73.39	73.46	73.62	72.91	.....	73.25	72.46
Eom	70.88	71.59	71.93	72.42	72.96	73.40	73.54	73.55	72.90	73.50	73.24	72.30
1954												
5	72.26	71.72	71.63	71.97	71.98	72.68	73.01	72.61	73.67	73.07	.....	.....
10	72.15	71.67	71.61	72.01	72.01	72.68	72.96	73.19	73.55	72.89	.....	.....
15	71.99	71.65	71.65	71.89	72.15	72.79	72.81	73.32	73.36	72.91	.....	72.22
20	71.90	71.63	71.68	71.78	72.50	72.91	72.71	73.48	.....	72.88	72.41	72.20
25	71.80	71.65	71.80	71.77	72.68	72.94	72.69	73.55	73.29	.....	.....	72.19
Eom	71.77	71.70	71.92	71.86	72.71	73.02	72.78	73.57	73.14	.....	.....	72.19
1955												
5	.....	.....	.....	.....	73.58	74.06	74.39	74.16	74.35	74.39	74.26	74.25
10	.....	.....	.....	.....	73.69	74.13	74.34	74.37	74.42	74.36	74.18	74.29
15	.....	.....	.....	.....	73.85	74.27	74.29	74.29	74.44	74.36	74.16	.....
20	.....	.....	.....	.....	73.82	74.38	74.21	74.41	74.43	74.38	74.18	74.48
25	.....	.....	.....	.....	73.87	.....	74.06	74.36	74.41	74.37	74.22	74.41
Eom	.....	.....	.....	73.48	74.00	74.41	74.05	74.35	74.43	74.39	74.22	74.31
1956												
5	.....	.....	73.92	74.55	75.18	75.87	75.58	75.74	75.96	75.80	75.29	75.34
10	.....	73.95	74.10	74.64	75.27	75.68	75.56	75.80	75.94	75.73	75.28	75.20
15	73.94	73.90	74.21	74.78	75.34	75.75	75.68	75.84	75.78	75.66	75.24	75.28
20	74.00	73.93	74.30	74.84	75.39	75.63	75.63	.....	75.80	75.61	75.31	75.29
25	74.11	73.89	74.38	74.92	75.55	75.59	75.58	75.91	75.83	75.52	75.30	75.40
Eom	74.25	73.88	74.53	75.09	75.64	75.61	.....	75.89	75.81	75.42	75.31	.....
1957												
5	75.61	75.72	75.77	75.80	75.84	76.22	76.13	75.89	75.63	75.30	75.00	74.81
10	75.78	75.79	75.72	75.79	75.96	76.07	75.96	75.94	75.60	75.29	74.95	.....
15	75.78	75.82	75.74	75.80	75.93	75.96	75.90	76.00	75.52	75.25	74.94	74.73
20	.....	75.81	75.70	75.83	76.06	75.95	75.81	75.95	75.50	75.19	74.92	74.67
25	75.74	75.82	75.74	75.73	76.08	75.93	75.97	75.78	75.43	75.20	74.85	74.74
Eom	75.64	75.77	75.79	75.76	76.21	76.17	75.91	75.86	75.32	75.00	74.83	.....
1958												
5	74.80	74.82	74.77	75.21	75.76	76.09	76.40	76.45	76.21	76.42	75.99	75.61
10	74.70	74.84	.....	75.33	75.82	76.15	76.40	76.40	76.05	76.12	75.91	75.56
15	74.71	74.85	74.60	75.43	75.88	76.26	76.41	76.46	76.07	76.02	75.81	75.55
20	74.75	74.81	74.76	75.51	75.94	76.18	76.47	76.50	76.06	75.93	75.75	75.50
25	74.84	74.86	74.94	75.60	75.99	76.24	76.48	76.37	76.06	75.94	75.66	75.49
Eom	74.85	74.82	75.09	75.69	76.05	76.35	76.56	76.30	76.36	75.99	75.59	75.52
1959												
5	75.55	75.72	75.71	75.91	76.46	76.26	76.50	77.21	77.87	77.31	77.08	76.67
10	75.64	75.79	75.68	76.02	76.38	76.27	76.66	77.31	77.99	77.27	77.01	76.60
15	75.66	75.87	75.68	76.13	76.29	76.25	76.71	77.47	77.59	77.22	76.96	76.67
20	75.69	75.78	75.59	76.37	76.37	76.31	76.74	77.55	77.51	77.11	.....	76.65
25	75.75	75.75	75.63	76.47	76.30	76.31	76.94	.....	77.48	77.09	.....	76.60
Eom	75.75	75.75	75.74	76.46	76.29	76.29	77.05	77.66	77.41	77.12	76.74	76.60

E-2. M. C. Applin. Lat 32°47', long 103°03'. Drilled irrigation water-table well in sand, diam 16 in, depth 200 ft, cased to 20. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 78.10 below lsd, Jan. 23, 1953; lowest 86.67 below lsd, Jan. 21, 1959. Records available: 1951, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8, 1951	79.15	Jan. 12, 1954	79.20	Jan. 30, 1956	82.10	Jan. 17, 1958	86.52
Jan. 23, 1953	78.10	Jan. 12, 1955	79.12	Jan. 30, 1957	82.50	Jan. 21, 1959	86.67

E-6. Dr. V. G. Cook. Lat 32°43', long 103°02'. Drilled irrigation water-table well in sand, diam 16 in, depth about 200 ft. MP end of discharge pipe, 4.00 ft above lsd. Highest water level 70.20 below lsd, Jan. 22, 1953; lowest 74.66 below lsd, Jan. 17, 1958. Records available: 1953-59. Jan. 22, 1953, 70.20; Jan. 12, 1954, 72.03; Jan. 12, 1955, 73.60; Jan. 30, 1956, 71.89; Jan. 30, 1957, 72.52; Jan. 17, 1958, 74.66; Jan. 21, 1959, 73.48.

Galveston County

16(A-7). Cecil Brown. Friendswood. Lat 29°31', long 95°12'. Drilled industrial artesian well in sand, diam 6 to 4 in, depth 562 ft, screened 516-547. MP bottom of pumpbase, 1.10 ft above lsd. Highest water level 53.04 below lsd, Feb. 15, 1939; lowest 139.00 below lsd, Nov. 10, 1959. Records available: 1939-41, 1943-44, 1947-54, 1956-59. Nov. 2, 1956, 135.73; May 6, 1957, 129.80; Nov. 18, 133.61; May 5, 1958, 130.54; Nov. 10, 136.16; Nov. 10, 1959, 139.00.

29(B-39). Emil Schenk. League City. Lat 29°30', long 95°05'. Drilled unused artesian well in sand, diam 3 in, depth 575 ft. MP outside edge of 2-in tee, 1.60 ft above lsd. Highest water level 47.35 below lsd, Mar. 14, 1939; lowest 128.74 below lsd, Nov. 6, 1959. Records available: 1939, 1941-42, 1944-59. May 1, 1956, 118.90; Nov. 2, 122.24; May 6, 1957, 115.19; Nov. 8, 119.94; May 5, 1958, 115.60; Nov. 10, 120.64; Nov. 6, 1959, 128.74.

81(D-3). J. M. West. Lat 29°29', long 95°10'. Drilled stock artesian well in sand, diam 6 in, depth 600 ft. MP top of casing, 1.00 ft above lsd. Highest water level 32.9 below lsd, Oct. 11, 1931; lowest 128.58 below lsd, Nov. 19, 1957. Records available: 1931, 1939, 1941, 1944-58. May 4, 1956, 124.46; May 6, 1957, 124.89; Nov. 19, 128.58; May 13, 1958, 126.61. Measurement discontinued.

115(E-68). J. W. Palmer. Lat 29°26', long 95°01'. Drilled unused artesian well in sand, diam 4 in, depth 526 ft, cased with screen on bottom. MP top of casing, 1.60 ft above lsd. Highest water level 15.20 below lsd, Mar. 14, 1933; lowest 83.51 below lsd, Nov. 5, 1956. Records available: 1932-33, 1935-59. May 4, 1956, 79.32; Nov. 5, 83.51; Nov. 12, 1957, 75.03; May 6, 1958, 73.68; Nov. 12, 73.25; May 5, 1959, 76.90; Nov. 5, 74.01.

162(F-2). D. C. Richards. Lat 29°29', long 94°56'. Drilled farm artesian well in sand, diam 4 in, depth 665 ft. MP top of casing, 0.20 ft above lsd. Highest water level 45.09 below lsd, July 26, 1941; lowest 90.97 below lsd, Nov. 5, 1956. Records available: 1941-42, 1944-59. May 3, 1956, 87.47; Nov. 5, 90.97; Nov. 12, 1957, 85.20; May 6, 1958, 83.07; Nov. 12, 78.96; May 5, 1959, 77.82; Nov. 5, 65.5.

243(F-60). Stone Oil Co. Texas City. Lat 29°22', long 94°54'. Drilled industrial artesian well in sand, diam 16 to 8 in, depth 801 ft, screened opposite sands 486-785. MP top of steel plate, 1.60 ft above lsd. Highest water level 61.27 below lsd, Dec. 14, 1940; lowest 148.00 below lsd, Oct. 6, 1948 (previously reported 144.62 below lsd, May 6, 1949). Records available: 1939-42, 1944, 1946-59. May 7, 1956, 112.15; Nov. 13, 113.24; May 10, 1957, 110.78; May 13, 1958, 109.83; Nov. 14, 108.81; May 14, 1959, 110.31. Measurement discontinued.

263(L-61). City of Galveston well 6. Lat 29°32', long 95°04'. Drilled unused artesian well in sand, diam 12 in, depth 850 ft, screened 744-844. MP top of pumpbase, 1.80 ft above lsd. Highest water level 79.00 below lsd, Nov. 10, 1947; lowest 121.8 below lsd, Aug. 12, 1958. Records available: 1947, 1956-59. Nov. 10, 1947, 79.00; May 10, 1956, 100.60; Nov. 9, 109.71. Recorder installed May 9, 1957.

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	e110.1	.....	.....	107.7	106.7	109.0	108.4
10	.....	.....	.....	.....	111.2	.....	.....	110.7	109.3	106.9	102.2	107.9
15	.....	.....	.....	.....	109.4	.....	.....	118.4	108.5	104.8	107.7	107.7
20	.....	.....	.....	.....	111.0	e108.7	115.8	115.8	103.4	103.4	109.1	105.7
25	.....	.....	.....	.....	109.0	.....	.....	115.7	105.7	109.4	104.6	101.9
Eom	.....	.....	.....	.....	109.0	.....	.....	111.3	104.9	108.6	104.6	98.8

1958

5	100.3	104.5	105.8	100.3	98.6	113.3	116.3	121.4	118.6	106.1	112.4	108.3
10	103.7	105.0	101.6	102.2	103.2	117.2	112.1	121.1	111.0	111.8	110.7	108.5
15	105.4	105.0	103.4	97.5	102.7	118.2	112.5	121.7	112.6	111.6	109.5	108.5
20	99.6	101.4	100.9	98.5	102.9	118.9	117.6	113.5	111.6	111.4	108.1	108.3
25	101.9	100.9	100.6	99.7	104.8	119.3	120.1	109.0	112.3	111.4	107.7	101.8
Eom	101.5	104.5	100.6	99.4	110.3	114.3	120.8	115.5	112.4	108.6	104.6	102.5

1959

5	105.8	100.9	102.8	107.2	109.7	108.3	113.7	115.8	114.5	111.4	108.9	109.3
10	105.7	103.4	103.4	108.4	109.9	104.9	113.3	119.9	111.8	113.1	110.0	111.7
15	.....	103.4	103.6	109.4	111.2	107.5	113.2	117.9	111.1	113.1	110.0	111.1
20	.....	105.9	103.7	105.0	112.2	111.9	111.9	117.9	113.2	113.5	110.0	108.9
25	.....	99.9	106.7	106.7	104.7	111.2	106.4	112.0	114.2	112.9	112.0	105.3
Eom	.....	100.2	107.0	107.6	103.8	112.6	114.1	114.3	111.4	107.7	112.2	106.2

e Estimated.

351(M-13). R. S. Wesmorland. Lat 29°20', long 94°59'. Drilled unused artesian well in sand, diam 6 to 4 in, depth 533 ft, screened 493-533. MP top of casing, 1.60 ft above lsd. Highest water level 23.72 below lsd, Apr. 25, 1939; lowest 86.62 below lsd, May 5, 1955. Records available: 1939, 1941, 1944-56. May 9, 1956, 82.41; Nov. 8, 86.57. Measurement discontinued.



382(M-15). Maco Stewart. Lat 29°20', long 94°57'. Drilled unused artesian well in sand, diam 8 to 6 in, depth 794 ft, screened 753-794. MP top of casing, 3.00 ft above lsd. Highest water level 24.23 below lsd, Jan. 25, 1939; lowest 84.93 below lsd, May 24, 1948. Records available: 1939, 1941, 1944-59. May 9, 1956, 65.38; Nov. 8, 75.61; May 13, 1957, 72.81; Nov. 15, 69.76; May 7, 1958, 67.53; Nov. 17, 72.05; Nov. 4, 1959, 71.82.

688(L-63). City of Galveston test well 1. Lat 29°22', long 95°04'. Drilled observation artesian well in sand, diam 4 in, depth 1,066 ft, screened 864-874. MP top of casing, 0.70 ft above lsd. Highest water level 68.93 below lsd, Mar. 15, 1941; lowest 111.85 below lsd, May 21, 1948. Records available: 1941-59. May 10, 1956, 103.50; Nov. 9, 110.14; May 14, 1957, 111.77; Nov. 13, 104.92; May 15, 1958, 102.32; Nov. 5, 111.46; Nov. 2, 1959, 107.52.

689(E-93). City of Galveston test well 2. Lat 29°23', long 95°06'. Drilled observation artesian well in sand, diam 4 in, depth 1,221 ft, cased to 850, screened 850-870. MP top of casing, 1.65 ft above lsd. Highest water level 54.2 below lsd, Mar. 20, 1941 (previously reported 55.9 below lsd, June 16, 1941); lowest 129.3 below lsd, Aug. 21-22, 1958, Oct. 31-Nov. 3, 1959. Records available: 1941-59. Pumped city well nearby.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	118.4	117.6	117.3	117.2	117.8	120.1	122.8	125.5	126.9	126.7	.....	123.1
10	118.3	117.5	117.2	117.2	117.9	120.6	123.4	125.8	126.8	126.7	.....	122.7
15	118.1	117.4	117.1	117.4	118.1	121.1	123.8	126.2	126.7	126.5	.....	122.4
20	118.0	117.4	117.1	117.5	118.5	121.5	124.3	126.5	126.7	126.2	.....	122.1
25	117.9	117.3	117.1	117.6	119.0	122.0	124.7	126.9	126.8	125.9	123.8	121.7
Eom	117.7	117.4	117.1	117.8	119.6	122.3	125.7	127.0	126.8	125.4	123.4	121.4

1957

5	121.3	120.3	119.3	118.7	119.4	121.1	121.9	124.2	125.9	124.2	123.4	122.4
10	121.2	120.2	119.2	118.9	119.7	121.1	122.3	124.6	125.8	124.0	123.3	121.9
15	121.2	120.0	119.2	119.1	120.1	121.5	122.8	124.9	125.6	123.6	122.9	121.7
20	121.0	119.9	118.5	119.2	120.4	121.6	123.2	.....	125.0	124.0	122.7	121.7
25	120.7	119.5	118.6	119.2	120.7	121.7	123.5	125.7	124.6	123.9	122.6	121.6
Eom	120.4	119.5	118.4	119.2	120.9	121.7	123.8	125.9	124.4	123.6	122.6	121.4

1958

5	121.2	120.4	120.0	121.3	121.7	122.5	126.6	128.1	128.6	126.3	125.9	124.5
10	120.9	120.3	119.8	121.5	121.8	123.2	126.7	128.6	128.4	126.2	125.5	124.4
15	120.8	120.2	120.0	121.6	122.0	124.0	126.8	128.9	127.9	126.2	124.9	124.4
20	120.5	120.1	120.0	121.7	122.0	124.8	127.0	129.2	127.2	126.2	124.9	124.2
25	120.5	120.0	120.7	121.7	121.9	125.5	127.2	129.0	127.0	126.3	124.7	124.1
Eom	120.5	120.0	121.2	121.7	121.9	126.9	127.6	128.8	126.6	126.2	124.6	123.9

1959

5	124.1	124.7	124.6	124.7	125.2	125.5	.....	128.0	128.9	129.2	129.0	128.8
10	124.4	124.7	124.7	124.7	125.5	125.9	.....	128.2	128.9	129.2	128.9	128.7
15	124.4	124.7	124.7	124.7	125.9	126.3	.....	128.5	129.0	129.1	128.6	129.0
20	124.6	124.8	124.8	124.9	125.5	126.6	.....	128.8	129.1	129.1	128.5	129.0
25	124.8	124.6	124.7	125.3	125.2	127.0	127.2	129.0	129.1	128.9	128.3	128.8
Eom	124.9	124.7	124.7	125.2	125.2	.....	128.0	129.0	129.2	129.3	128.6	128.8

787(D-14). City of Galveston test well 8-11. Lat 29°25', long 95°08'. Drilled observation artesian well in sand, diam 4 in, depth 677 ft, screened 667-677. MP hole in hull plug, 1.49 ft above lsd. Highest water level 54.16 below lsd, May 27, 1942; lowest 130.55 below lsd, Aug. 25, 1958. Records available: 1942-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1956	117.90	Nov. 23, 1956	123.42	Sept. 25, 1957	125.22	July 24, 1958	121.48
Feb. 24	117.36	Dec. 20	121.21	Oct. 24	124.95	Aug. 25	130.55
Mar. 26	117.76	Jan. 24, 1957	120.27	Nov. 25	122.99	Sept. 24	126.62
Apr. 25	119.11	Feb. 25	118.81	Dec. 20	121.84	Oct. 24	126.15
May 25	121.51	Mar. 22	117.47	Jan. 24, 1958	120.78	Nov. 26	124.29
June 22	124.41	Apr. 24	119.38	Feb. 25	120.28	Jan. 26, 1959	124.80
July 24	127.33	May 23	120.55	Mar. 24	120.83	Mar. 24	124.61
Aug. 24	129.29	June 21	121.74	Apr. 24	121.56	Aug. 25	129.82
Sept. 24	128.21	July 24	124.81	May 23	121.48	Oct. 26	128.73
Oct. 24	126.11	Aug. 23	127.18	June 20	126.31	Dec. 22	128.01

## Glasscock County

400. Mrs. Flora Rogers. Lat 32°05', long 101°45'. Drilled irrigation water-table well in sand, diam 16 in, depth 205 ft, casing slotted 145-205. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 102.00 below lsd, April 1950; lowest 128.34 below lsd, Dec. 6, 1957. Records available: 1950, 1953, 1955-57, 1959. April 1950, 102.00; Dec. 3, 1953, 106.81; Dec. 2, 1955, 110.48; Dec. 10, 1956, 114.85; Dec. 6, 1957, 128.34; Dec. 4, 1959, 119.86. No measurement made in 1958.

404. J. B. Calverly. Lat 31°54', long 101°33'. Drilled unused artesian well in limestone and sand, diam 14 in, depth 200 ft, not cased. MP lower edge of porthole, 2.00 ft above lsd. Highest water level 56.00 below lsd, Apr. 11, 1950; lowest 59.44 below lsd, Dec. 10, 1956. Records available: 1950, 1952-57, 1959. No measurement made in 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1950	56.00	Dec. 3, 1953	58.97	Dec. 3, 1955	58.88	Dec. 7, 1957	59.02
Dec. 12, 1952	58.90	Dec. 7, 1954	58.68	Dec. 10, 1956	59.44	Dec. 4, 1959	59.17

405. J. M. Cook. Lat 31°50', long 101°30'. Drilled unused artesian well in limestone and sand, diam 14 to 12 in, depth 200 ft, cased to 15. MP top of concrete base, 3.90 ft above lsd. Highest water level 47.03 below lsd, Dec. 4, 1957; lowest 67.27 below lsd, Apr. 5, 1950. Records available: 1950, 1952-57, 1959. No measurement made in 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1950	67.27	Dec. 4, 1953	51.24	Dec. 3, 1955	49.90	Dec. 4, 1957	47.03
Dec. 12, 1952	52.70	Dec. 7, 1954	52.28	Dec. 10, 1956	58.83	Dec. 9, 1959	47.22

407. Steve Currie. Lat 31°48', long 101°19'. Drilled irrigation artesian well in limestone and sand, diam 10 in. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 2.86 below lsd, Dec. 4, 1959; lowest 31.66 below lsd, Dec. 4, 1953. Records available: 1952-53, 1955-57, 1959. Dec. 12, 1952, 27.35; Dec. 4, 1953, 31.66; Dec. 3, 1955, 27.72; Dec. 7, 1956, 29.11; Dec. 4, 1957, 5.51; Dec. 4, 1959, 2.86. No measurement made in 1954 or 1958.

408. Cecil Wilkerson. Lat 31°48', long 101°28'. Drilled irrigation artesian well in limestone and sand, diam 16 in, depth 216 ft, not cased. MP 3-in hole in pumpbase, 0.70 ft above lsd. Highest water level 54.23 below lsd, Dec. 3, 1955; lowest 56.20 below lsd, Dec. 7, 1956. Records available: 1950, 1952-57, 1959. No measurement made in 1951 or 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5, 1950	55.88	Dec. 4, 1953	55.46	Dec. 3, 1955	54.23	Dec. 4, 1957	55.07
Dec. 9, 1952	55.36	Dec. 8, 1954	55.73	Dec. 7, 1956	56.20	Dec. 4, 1959	55.02

411. Gus Mahler. Lat 31°43', long 101°31'. Drilled irrigation artesian well in limestone, diam 12 in, depth 255 ft, cased to 150. MP top of concrete base, 3.00 ft above lsd. Highest water level 83.56 below lsd, Apr. 7, 1950; lowest 130.76 below lsd, Dec. 4, 1959. Records available: 1950, 1954-57, 1959. Apr. 7, 1950, 83.56; Dec. 8, 1954, 107.44; Dec. 3, 1955, 115.70; Dec. 7, 1956, 130.08; Dec. 4, 1957, 128.44; Dec. 4, 1959, 130.76. No measurement made in 1958.

421. August Frysak. Lat 31°40', long 101°33'. Drilled irrigation artesian well in limestone, diam 12 in, depth 320 ft, cased 260-320, casing slotted. MP hole in pumpbase, 0.60 ft above lsd. Highest water level 123.52 below lsd, Dec. 8, 1954; lowest 167.21 below lsd, Dec. 4, 1959. Records available: 1954-55, 1957, 1959. Dec. 8, 1954, 123.52; Dec. 3, 1955, 141.84; Dec. 4, 1957, 161.89; Dec. 4, 1959, 167.21. No measurement made in 1956 or 1958.

#### Hale County

36(H-49). G. D. Lewellen. Lat 34°12', long 101°58'. Drilled irrigation water-table well in sand, diam 15 in, depth 202 ft, cased, part slotted. MP top of casing, at lsd. Highest water level 76.88 below lsd, Jan. 6, 1938; lowest 127.67 below lsd, Jan. 5, 1959. Records available: 1936-38, 1941-50, 1952-56, 1959. Jan. 10, 1956, 115.02; Jan. 5, 1959, 127.67. No measurement made in 1957 or 1958.

103(C-7). Carl Meyer. Lat 34°17', long 101°53'. Drilled irrigation water-table well in sand, diam 16 in, depth 202 ft, cased to 60. MP top of concrete base, 1.00 ft above lsd. Highest water level 44.33 below lsd, Jan. 27, 1943; lowest 84.05 below lsd, Jan. 13, 1958. Records available: 1936-59. Jan. 9, 1956, 74.37; Jan. 4, 1957, 78.10; Jan. 13, 1958, 84.05; Jan. 7, 1959, 83.53.

164a(J-92). S. W. Curry recorder well 1. Lat 34°14', long 101°50'. Drilled observation water-table well in sand, diam 4 in, depth about 150 ft. Lsd 3,455.40 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 60.00 below lsd, Mar. 11-12, 1952; lowest 99.99 below lsd, Oct. 2-8, 1959. Records available: 1952-59. Recorder installed Feb. 13, 1952.

Highest water level for the day, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	60.03	61.99	63.00	63.08	64.25	64.90	66.65	67.18	67.14	66.67
10	.....	.....	60.01	62.32	63.00	63.20	64.40	65.25	66.87	67.18	67.07	66.55
15	.....	60.21	60.07	62.57	63.00	63.29	64.44	65.50	67.03	67.20	67.01	66.47
20	.....	60.16	.....	62.74	62.96	63.55	64.53	65.75	67.12	67.21	66.95	66.39
25	.....	60.14	60.95	62.85	62.90	63.78	64.55	66.03	67.15	67.22	66.86	66.31
Eom	.....	60.07	61.53	62.93	62.96	64.05	64.67	66.40	67.16	67.21	66.77	66.20

164a(J-92)--Continued.

1953												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	65.67	65.31	66.75	67.43	68.05	.....	70.00	71.14	.....	.....	70.13
10	.....	65.59	65.31	66.84	67.46	68.30	.....	70.25	71.28	71.42	.....	70.01
15	65.91	65.51	65.57	67.06	67.57	68.41	.....	70.56	71.35	71.38	.....	69.96
20	65.89	65.44	65.95	67.16	67.57	68.53	69.90	.....	71.41	71.20	70.41	.....
25	65.82	65.39	66.25	67.31	67.57	68.69	69.93	70.70	.....	71.10	70.30	.....
Eom	65.73	65.36	66.50	67.36	67.81	68.80	69.90	70.94	.....	70.96	70.22	.....
1954												
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.75
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.73
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.83
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.90
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.77	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75.82	.....
1955												
5	.....	.....	75.49	76.13	77.70	77.41	76.95	77.42	78.92	.....	79.18	.....
10	.....	75.04	75.47	76.41	77.87	77.32	77.03	77.58	79.28	.....	79.09	.....
15	.....	74.97	75.73	76.69	77.86	77.24	77.05	.....	79.50	.....	79.18	.....
20	.....	75.04	75.73	76.90	77.78	77.29	77.18	.....	79.62	.....	79.35	.....
25	.....	75.21	75.90	77.20	77.63	77.18	77.56	.....	79.81	79.33	.....	.....
Eom	.....	75.27	76.05	77.56	77.51	77.04	77.48	78.69	79.83	79.24	.....	78.90
1956												
5	79.16	.....	78.56	79.18	.....	.....	.....	84.78	87.18	88.28	87.66	87.01
10	79.43	.....	78.50	79.52	.....	.....	.....	85.24	87.52	88.00	87.55	86.90
15	79.65	78.91	.....	79.77	.....	.....	.....	85.72	87.94	87.94	87.42	86.79
20	79.64	78.84	78.40	79.97	.....	.....	.....	85.98	88.35	87.90	87.38	86.67
25	79.50	78.73	78.55	.....	.....	.....	.....	86.36	88.36	.....	87.21	86.58
Eom	.....	78.64	78.95	.....	.....	.....	84.25	86.80	88.37	87.85	87.02	86.53
1957												
5	86.59	87.76	87.98	88.20	89.63	.....	88.92	.....	.....	92.21	.....	.....
10	86.67	87.66	88.08	88.21	89.53	88.68	89.73	.....	.....	92.18	.....	.....
15	86.63	87.76	88.03	88.89	89.37	88.65	90.13	.....	.....	92.23	.....	.....
20	86.65	87.75	88.20	89.55	89.29	88.83	90.31	.....	92.87	92.22	.....	91.46
25	86.83	87.68	88.24	89.70	89.10	.....	.....	.....	92.69	92.08	.....	91.38
Eom	87.67	87.79	88.26	89.71	.....	.....	.....	.....	92.50	92.00	.....	91.30
1958												
5	91.57	.....	90.06	91.19	.....	90.51	.....	.....	95.55	95.70	95.92	95.89
10	91.45	90.36	89.99	91.17	.....	90.52	.....	.....	95.77	95.62	96.07	95.73
15	91.34	90.31	.....	91.08	.....	90.78	.....	.....	95.87	95.50	96.03	95.63
20	91.26	90.27	.....	91.00	90.17	.....	.....	.....	95.93	95.39	95.98	95.52
25	91.07	90.10	.....	90.98	90.18	.....	.....	94.87	95.88	95.29	95.96	95.41
Eom	90.95	90.08	91.27	.....	90.17	.....	.....	95.23	95.81	95.40	96.01	95.91
1959												
5	95.19	94.82	95.41	96.23	97.43	98.20	97.82	97.96	99.13	99.99	99.68	99.26
10	95.08	94.72	95.57	96.41	97.68	98.20	97.80	98.22	99.22	99.95	99.55	99.17
15	95.00	94.71	95.70	96.58	97.82	98.17	97.82	98.45	99.34	99.84	99.44	99.15
20	94.92	94.70	95.81	96.79	97.88	98.20	97.69	98.59	99.54	99.72	99.38	99.07
25	94.96	94.80	95.86	96.95	97.86	98.12	97.62	98.81	99.73	99.60	99.30	98.99
Eom	94.91	95.02	95.96	97.17	98.10	97.93	97.62	99.07	99.95	99.76	99.35	98.92

212(E-9). Ray Smith. Lat 34°19', long 101°42'. Drilled irrigation water-table well in sand, diam 24 to 13 in, depth 171 ft, cased, 24-in 0-100, 13-in 100-170, part slotted. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 51.5 below lsd, Sept. 12, 1914; lowest 103.38 below lsd, Jan. 7, 1959. Records available: 1914, 1938-59. Jan. 9, 1956, 94.05; Jan. 8, 1957, 98.94; Jan. 16, 1958, 101.92; Jan. 7, 1959, 103.38.

238(L-6). Dr. McKinley Howell. Lat 34°14', long 101°44'. Drilled irrigation water-table well in sand, diam 26 in, depth 180 ft. Lsd 3,398.00 ft above msl. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 42.0 below lsd, 1914; lowest 113.49 below lsd, Jan. 15, 1958. Records available: 1914, 1936-59. Jan. 10, 1956, 92.90; Jan. 8, 1957, 107.23; Jan. 15, 1958, 113.49; Jan. 7, 1959, 112.75.

338(M-13). Dr. J. H. Stewart. Lat 34°14', long 101°34'. Drilled irrigation water-table well in sand. Measurements since 1954 made in replacement well, diam 16 in, depth 232 ft, cased, part slotted. Lsd 3,333.00 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 42.0 below lsd (previously reported 41.96 below lsd), 1914; lowest 92.84 below lsd, Jan. 15, 1958. Records available: 1914, 1936-50, 1952-59. Jan. 9, 1956, 81.53; Jan. 8, 1957, 87.95; Jan. 15, 1958, 92.84; Jan. 7, 1959, 91.66.

407a(L-116). City of Plainview. Lat 34°10', long 101°41'. Drilled observation water-table well in sand, diam 8 in, depth 150 ft, cased, part slotted. Lsd 3, 349.50 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 41.86 below lsd, June 28, 1949; lowest 82.10 below lsd, Dec. 27, 1959. Records available: 1949-59.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	72.4	73.3	74.0	74.5	....	75.6	76.2	76.5	76.7
10	....	....	....	72.5	73.4	74.0	74.5	....	75.7	76.2	76.5	76.6
15	....	....	71.6	72.6	73.7	74.0	74.6	....	75.8	76.3	76.6	76.7
20	....	....	71.8	73.0	73.8	74.2	74.7	....	75.9	76.4	76.6	76.7
25	....	....	72.1	73.1	73.9	74.3	74.8	....	76.0	76.5	76.6	76.8
Eom	....	....	74.2	73.3	74.0	74.4	....	75.5	76.1	76.5	76.7	76.8
1957												
5	76.8	76.8	76.9	77.1	77.3	77.0	76.6	76.1	76.7	77.4	77.6	77.5
10	76.8	76.9	76.9	77.1	77.2	76.8	76.6	76.2	77.0	77.5	77.6	77.5
15	76.8	76.9	76.9	77.1	77.2	76.6	76.6	76.2	77.1	77.5	77.6	77.5
20	76.8	76.9	77.0	77.1	77.2	76.5	76.6	76.2	77.2	77.5	77.6	77.5
25	76.8	76.9	77.1	77.2	77.2	76.6	76.5	76.2	77.3	77.6	77.5	77.5
Eom	76.8	76.9	77.1	77.3	77.0	76.5	76.5	76.4	77.4	77.5	77.5	77.5
1958												
5	77.4	77.4	77.5	77.5	77.5	77.8	78.2	78.6	79.0	79.3	79.5	79.6
10	77.4	77.4	77.5	77.5	77.5	77.9	78.3	78.6	79.0	79.4	79.5	79.7
15	77.4	77.4	77.4	77.5	77.6	77.9	78.4	78.7	79.1	79.4	79.5	79.7
20	77.4	77.4	77.4	77.5	77.5	78.0	78.4	78.8	79.1	79.4	79.6	79.7
25	77.4	77.4	77.5	77.5	77.6	78.1	78.4	78.8	79.2	79.4	79.6	79.7
Eom	77.4	77.5	77.4	77.5	77.7	78.2	78.5	78.9	79.3	79.4	79.6	79.7
1959												
5	79.8	79.9	79.9	80.1	80.3	80.7	81.0	81.1	81.3	81.7	82.0	82.0
10	79.7	79.9	79.9	80.1	80.4	80.8	81.0	81.1	81.4	81.7	81.9	82.0
15	79.8	79.8	80.0	80.1	80.4	80.8	81.0	81.1	81.4	81.7	81.8	82.0
20	79.8	79.9	79.9	80.2	80.5	80.9	81.0	81.2	81.4	81.8	81.9	82.0
25	79.8	79.9	80.0	80.2	80.5	80.9	81.1	81.2	81.5	81.7	81.9	82.0
Eom	79.9	79.9	80.0	80.3	80.7	80.9	81.0	81.3	81.6	81.9	82.0	82.0

467(Z-17). M. E. Courtney. Lat 34°05', long 101°37'. Drilled unused water-table well in sand, diam 26 in, depth 135 ft, not cased. Lsd 3, 303.00 ft above msl. MP top of concrete base, 0.70 ft above lsd. Highest water level 32.65 below lsd, June 28, 1938; lowest 71.57 below lsd, Jan. 7, 1959. Records available: 1937-59. Jan. 16, 1956, 62.30; Jan. 9, 1957, 64.94; Jan. 15, 1958, 69.24; Jan. 7, 1959, 71.57.

553(X-47). B. Jacobs. Lat 34°03', long 101°46'. Drilled irrigation water-table well in sand, diam 26 in, depth 309 ft. MP hole in pump, 1.00 ft above lsd. Highest water level 52.16 below lsd, Nov. 2, 1937; lowest 115.50 below lsd, Jan. 5, 1959. Records available: 1934, 1936-59. Jan. 13, 1956, 98.15; Jan. 9, 1957, 111.80; Jan. 16, 1958, 112.14; Jan. 5, 1959, 115.50.

859(LL-45). L. Ragland. Lat 33°52', long 101°41'. Drilled irrigation water-table well in sand. Measurements since 1956 made in replacement well 100 ft west, diam 16 in, depth 225 ft, cased, part slotted. Lsd 3, 299.00 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 72.25 below lsd, Jan. 24, 1943; lowest 124.50 below lsd, Jan. 8, 1959. Records available: 1937-50, 1952-59. Jan. 13, 1956, 110.25; Jan. 7, 1957, 117.80; Jan. 15, 1958, 121.37; Jan. 8, 1959, 124.50.

#### Hansford County

277(Y-3). Coy Holt. Lat 36°10', long 101°22'. Drilled irrigation water-table well in sand, diam 15 in, depth 120 ft. MP top of casing, 0.50 ft above lsd. Highest water level 26.50 below lsd, Mar. 12, 1959; lowest 29.56 below lsd, Apr. 27, 1936. Records available: 1936, 1938-41, 1951, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26, 1936	28.32	Feb. 13, 1939	27.10	Feb. 16, 1951	26.63	Feb. 23, 1956	26.90
Apr. 13	27.79	Dec. 21	28.24	Jan. 13, 1953	26.98	Feb. 5, 1957	27.10
27	29.56	Dec. 5, 1940	28.82	Jan. 12, 1954	26.90	Feb. 5, 1958	27.02
Jan. 14, 1938	27.10	Dec. 5, 1941	27.05	Feb. 17, 1955	28.18	Mar. 12, 1959	26.50

350(AB-2). Ray Skinner. Lat 36°14', long 101°06'. Drilled irrigation water-table well in sand, diam 16 in, depth 494 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 268.97 below lsd, Feb. 16, 1951; lowest 274.65 below lsd, Mar. 13, 1959. Records available: 1951-59.

Feb. 16, 1951	268.97	Jan. 22, 1954	269.79	Feb. 24, 1956	271.10	Jan. 22, 1958	273.90
Feb. 6, 1952	269.02	Feb. 18, 1955	270.40	Jan. 25, 1957	273.30	Mar. 13, 1959	274.65
Jan. 13, 1953	269.24						

351(Z-1). W. C. Crawford. Lat 36°14', long 101°15'. Drilled irrigation water-table well in sand, diam 16 in, depth 185 ft. MP top of casing, 0.50 ft above lsd. Highest water level 69.65 below lsd, Feb. 6, 1952; lowest 74.90 below lsd, Mar. 12, 1959. Records available: 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1951	70.12	Jan. 12, 1954	71.05	Feb. 23, 1956	72.20	Jan. 14, 1958	74.40
Feb. 6, 1952	69.65	Jan. 17, 1955	71.36	Feb. 5, 1957	74.15	Mar. 12, 1959	74.90
Jan. 13, 1953	70.53						

354(AL-1). J. M. Ballentine. Lat 36°04', long 101°27'. Drilled irrigation water-table well in sand, diam 16 in. MP top of pumpbase, 1.00 ft above lsd. Highest water level 48.95 below lsd, Feb. 17, 1951; lowest 54.70 below lsd, Feb. 7, 1957. Records available: 1951-57, 1959. No measurement made in 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17, 1951	48.95	Jan. 12, 1953	50.51	Jan. 21, 1955	53.54	Feb. 7, 1957	54.70
Feb. 7, 1952	50.87	Jan. 13, 1954	51.47	Feb. 20, 1956	53.00	Mar. 12, 1959	53.35

#### Hardeman County

1. Charles Butts. Lat 34°19', long 99°51'. Drilled unused artesian well in Pease River group of Permian age, diam 10 in, depth 100 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 58.46 below lsd, May 22, 1957; lowest 64.04 below lsd, Jan. 5, 1955. Records available: 1953-58. Jan. 9, 1953, 60.89; Jan. 8, 1954, 60.46; Jan. 9, 1955, 64.04; Jan. 9, 1956, 60.55; May 22, 1957, 58.46; Jan. 6, 1958, 59.74. No measurement made in 1959.

3. D. J. Newman. Lat 34°19', long 99°54'. Drilled unused artesian well in Pease River group of Permian age, diam 16 in, depth 125 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 58.45 below lsd, May 22, 1957; lowest 65.23 below lsd, Jan. 9, 1955. Records available: 1953-58. Jan. 10, 1953, 63.80; Jan. 8, 1954, 61.85; Jan. 9, 1955, 65.23; Jan. 9, 1956, 61.09; May 22, 1957, 58.45; Jan. 6, 1958, 59.40. No measurement made in 1959.

5. Owner unknown. Lat 34°18', long 99°52'. Drilled unused artesian well in Pease River group of Permian age, diam 16 in, depth 88 ft. MP top of concrete base, 0.50 ft above lsd. Highest water level 44.22 below lsd, Jan. 6, 1958; lowest 49.28 below lsd, Jan. 9, 1955. Records available: 1953-58. Jan. 10, 1953, 46.58; Jan. 8, 1954, 46.10; Jan. 9, 1955, 49.28; Jan. 9, 1956, 46.10; May 22, 1957, 45.29; Jan. 6, 1958, 44.22. No measurement made in 1959.

6. Jack Hunter. Lat 34°24', long 99°49'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 126 ft, casing slotted below 35. MP hole in pump, 1.10 ft above lsd. Highest water level 37.25 below lsd, Jan. 10, 1953; lowest 39.01 below lsd, Jan. 6, 1958. Records available: 1953-54, 1956-58. Jan. 10, 1953, 37.25; Jan. 9, 1954, 38.06; Jan. 10, 1956, 38.90; May 22, 1957, 37.50; Jan. 6, 1958, 39.01. No measurement made in 1955 or 1959.

7. Bailey. Lat 34°25', long 99°53'. Drilled irrigation artesian well in Pease River group of Permian age, diam 14 in. MP lower edge of 2-in hole in casing, 0.20 ft above lsd. Highest water level 75.32 below lsd, Jan. 10, 1953; lowest 85.30 below lsd, May 22, 1957. Records available: 1953-58. Jan. 10, 1953, 75.32; Jan. 9, 1954, 77.44; Jan. 9, 1955, 84.45; Jan. 10, 1956, 81.98; May 22, 1957, 85.30; Jan. 6, 1958, 80.89. No measurement made in 1959.

#### Hardin County

10. Gulf, Colorado & Santa Fe RR. Co. Lat 30°24', long 94°33'. Drilled unused artesian well in sand, diam 12 to 6 in, depth 868 ft, screened opposite sands below 227. MP top of 1-in hole in steel plate over casing, 2.50 ft above lsd. Highest water level 25.93 below lsd, Aug. 6, 1953; lowest 32.10 below lsd, Dec. 14, 1959. Records available: 1942, 1953, 1956-59. Apr. 13, 1942, 26.75; Aug. 6, 1953, 25.93; Apr. 10, 1956, 29.09; Apr. 18, 1957, 31.39; Apr. 18, 1958, 30.70; Dec. 14, 1959, 32.10.

40. American Republic Corp. Lat 30°26', long 94°10'. Drilled unused artesian well in sand, diam 7 to 4 in, depth 363 ft, screened 338-363. MP lower outside edge of 3-in elbow, 2.00 ft above lsd. Highest water level 42.67 below lsd, Aug. 6, 1953; lowest 45.43 below lsd, Apr. 19, 1957. Records available: 1953, 1956-59. Aug. 6, 1953, 42.67; Apr. 10, 1956, 44.58; Apr. 19, 1957, 45.43; Apr. 18, 1958, 43.01; Dec. 14, 1959, 44.07.

142. City of Sour Lake well 1. Lat 30°08', long 94°24'. Drilled public-supply artesian well in sand, diam 9 to 6 in, depth 177 ft, screened 153-176. MP breather hole in pumpbase, 1.50 ft above lsd. Highest water level 6.02 below lsd, Apr. 9, 1942; lowest 17.84 below lsd, Apr. 18, 1957. Records available: 1942, 1953, 1956-59. Apr. 9, 1942, 6.02; Aug. 5, 1953, 15.82; Apr. 10, 1956, 14.89; Apr. 18, 1957, 17.84; Apr. 18, 1958, 15.34; Dec. 14, 1959, 15.93.

143. City of Sour Lake well 2. Lat 30°08', long 94°24'. Drilled public-supply artesian well in sand, diam 9 to 6 in, depth 177 ft, screened 153-177. MP top of pumpbase, 1.00 ft above lsd. Highest water level 6.03 below lsd, Apr. 9, 1942; lowest 15.11 below lsd, Apr. 18, 1957. Records available: 1942, 1953, 1956-59. Apr. 9, 1942, 6.03; Aug. 5, 1953, 13.52; Apr. 10, 1956, 12.13; Apr. 18, 1957, 15.11; Apr. 18, 1958, 11.90; Dec. 14, 1959, 12.98.

### Harris County

139. Oscar Kemp well 1. Lat 29°53', long 95°47'. Drilled unused artesian well in sand, diam 24 to 12 in, depth 134 ft, cased 24-in 0-70, 12-in 70-134, part screened. MP top of casing, 1.00 ft above lsd. Highest water level 34.79 below lsd, Mar. 17, 1933; lowest 85.43 below lsd, Nov. 21, 1956. Records available: 1931-33, 1939-58. Mar. 12, 1956, 76.54; Nov. 21, 85.43; Mar. 13, 1957, 79.37; Dec. 3, 1958, 85.03. Measurement discontinued.

264. H. Weary. Lat 29°58', long 95°23'. Drilled unused artesian well in sand, diam 4 in, depth 1,610 ft, screened at about 900. MP top of 2½-in opening in bushing, at lsd. Highest water level 3.00 below lsd, May 29, 1931; lowest 111.49 below lsd, Sept. 19, 1956. Records available: 1931-33, 1935-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 11, 1956	106.73	June 14, 1957	103.19	June 17, 1958	110.67	Feb. 13, 1959	94.06
Sept. 19	111.49	Sept. 16	105.67	Sept. 16	102.90	June 17	106.19
Dec. 10	95.79	Dec. 16	94.23	Dec. 18	95.92	Sept. 28	104.17
Feb. 14, 1957	92.70	Feb. 18, 1958	91.81				

269. City of Houston test well 7. Lat 30°01', long 95°24'. Drilled observation artesian well in sand, diam 3 in, depth 1,052 ft, screened 1,037-1,052. MP top of casing, 0.25 ft above lsd. Highest water level 31.0 above lsd, Sept. 24, 1943; lowest 90.21 below lsd, Aug. 23, 1957. Records available: 1939, 1943-59.

Jan. 24, 1956	72.67	Mar. 22, 1957	76.84	Mar. 24, 1958	78.61	Feb. 25, 1959	82.20
Feb. 24	72.73	Apr. 24	76.44	Apr. 24	78.20	Mar. 24	81.98
Mar. 26	72.04	May 23	76.15	May 23	80.44	Apr. 24	81.31
Apr. 25	74.22	June 21	83.48	June 20	83.69	May 25	81.11
June 22	83.15	July 24	87.88	July 24	89.79	June 26	86.88
July 24	79.23	Aug. 23	90.21	Aug. 25	88.21	July 24	89.32
Sept. 22	79.23	Sept. 25	84.99	Sept. 24	85.44	Aug. 25	87.79
Oct. 24	78.90	Oct. 24	81.47	Oct. 24	83.96	Sept. 24	87.27
Nov. 23	78.64	Nov. 25	81.12	Nov. 26	83.78	Oct. 26	84.21
Dec. 18	79.16	Dec. 20	80.56	Dec. 22	83.48	Nov. 24	83.37
Jan. 24, 1957	78.10	Jan. 24, 1958	79.71	Jan. 26, 1959	82.95	Dec. 22	82.75
Feb. 25	77.32	Feb. 25	79.15				

480. John Pillot. Lat 29°44', long 95°40'. Drilled irrigation artesian well in sand, diam 20 to 12 in, depth 512 ft, casing slotted opposite sands below 107. MP top of casing, 1.00 ft above lsd. Highest water level 22.36 below lsd, Mar. 25, 1953; lowest 65.93 below lsd, Nov. 13, 1951. Records available: 1941-59.

Mar. 9, 1956	33.84	Mar. 13, 1957	38.87	Mar. 25, 1958	37.22	Mar. 25, 1959	47.36
Nov. 16	43.91	Dec. 2	41.27	Dec. 1	48.96	Nov. 13	65.24

490. City of Houston test well 5. Lat 29°42', long 95°35'. Drilled observation artesian well in sand, diam 3 in, depth 1,188 ft, screened 1,167-1,182. MP top of 1-in air line, 4.20 ft above lsd. Highest water level 36.00 below lsd, May 5, 1939; lowest 156.34 below lsd, Aug. 25, 1958. Records available: 1939-59.

Jan. 24, 1956	134.79	Jan. 24, 1957	147.51	Jan. 24, 1958	144.44	Jan. 26, 1959	150.03
Feb. 24	133.16	Feb. 25	146.01	Feb. 25	141.95	Feb. 25	148.57
Mar. 26	132.60	Mar. 22	143.85	Mar. 25	139.93	Mar. 24	145.43
Apr. 25	133.93	Apr. 24	141.03	Apr. 24	140.36	Apr. 27	146.37
May 25	133.90	May 23	140.74	May 23	141.01	May 25	147.61
June 22	139.70	June 21	140.90	June 20	145.89	June 26	149.84
July 24	144.78	July 24	144.86	July 24	150.87	July 24	152.78
Aug. 24	151.16	Aug. 23	149.36	Aug. 25	156.34	Aug. 25	154.37
Sept. 24	154.07	Sept. 25	151.04	Sept. 24	156.30	Sept. 24	155.11
Oct. 24	153.74	Oct. 24	150.64	Oct. 24	155.06	Oct. 26	153.93
Nov. 23	152.73	Nov. 25	147.74	Nov. 26	153.16	Nov. 24	151.78
Dec. 20	150.43	Dec. 20	146.79	Dec. 22	151.36	Dec. 22	149.88

656. Texas Creosoting Co. Lat 29°49', long 95°21'. Drilled unused artesian well in sand, diam 8 to 6 in, depth 666 ft, screened 662-666. MP top of casing, 1.00 ft above lsd. Highest water level 54.45 below lsd, May 12, 1933; lowest 217.43 below lsd, Sept. 12, 1958. Records available: 1931-59.

656--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1956	198.49	Feb. 12, 1957	204.54	Feb. 28, 1958	204.09	Feb. 20, 1959	207.34
June 6	206.50	June 7	205.55	June 5	207.72	June 8	208.00
Sept. 12	216.34	Sept. 6	214.49	Sept. 12	217.43	Sept. 16	213.15
Dec. 6	209.96	Dec. 19	206.52	Dec. 12	211.81		

879. City of Houston Magnolia Park well 2. 7300 Canal St. Lat 29°44', long 95°17'. Drilled unused artesian well in sand, diam 24 to 12 in, depth 1,033 ft, screened opposite sands below 475. MP top of 2-in collar, 1.20 ft above lsd. Highest water level 40.0 below lsd, June 1925; lowest 242.47 below lsd, July 24, 1958. Records available: 1925, 1939, 1941-42, 1945-58. Recorder removed May 17, 1956. Measurement discontinued.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	225.5	224.0	221.8	223.0	223.3	.....	.....	.....	.....	.....	.....	.....
10	225.1	223.9	222.2	223.2	223.3	.....	.....	.....	.....	.....	.....	.....
15	224.7	223.5	222.3	223.2	223.4	.....	.....	.....	.....	.....	.....	.....
20	224.9	222.8	222.3	223.8	.....	.....	.....	.....	.....	.....	.....	.....
25	224.6	222.7	222.6	223.6	.....	.....	.....	.....	.....	.....	.....	.....
Eom	224.3	222.4	223.2	223.3	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 25, 1956	224.9	Jan. 24, 1957	231.50	Sept. 25, 1957	236.73	May 23, 1958	231.41
June 22	228.6	Feb. 25	228.83	Oct. 24	237.32	June 20	235.14
July 24	233.5	Mar. 22	227.30	Nov. 25	234.78	July 24	242.47
Aug. 24	238.6	Apr. 24	225.91	Dec. 20	233.57	Aug. 25	226.82
Sept. 24	240.3	May 23	226.99	Jan. 24, 1958	232.35	Sept. 24	219.10
Oct. 24	240.6	June 21	230.44	Mar. 24	229.78	Oct. 24	213.85
Nov. 23	237.6	July 24	233.69	Apr. 24	228.81	Nov. 26	211.03
Dec. 20	234.5	Aug. 23	236.58				

881. Terminal Compress & Warehouse Co. 82d and Harrisburg Sts. Lat 29°43', long 95°16'. Drilled unused artesian well in sand, diam 6 to 4 in, depth 650 ft. MP top of casing, 1.00 ft above lsd. Highest water level 43.04 below lsd, Apr. 14, 1933; lowest 236.98 below lsd, Sept. 6, 1956. Records available: 1931-59.

Feb. 1, 1956	223.33	Feb. 28, 1957	220.45	Feb. 6, 1958	219.53	Feb. 4, 1959	205.70
June 1	215.99	June 3	198.16	June 2	218.16	June 3	200.66
Sept. 6	236.98	Sept. 3	225.06	Sept. 3	234.18	Sept. 14	202.22
Dec. 3	224.19	Dec. 4	227.08	Dec. 4	216.58	Dec. 8	208.15

898a(913). Allen Estate. Park Place and Poplar Sts. Lat 29°41', long 95°17'. Drilled unused artesian well in sand, diam 8 to 6 in, depth 900 ft, screened 834-876. MP hole in cap on casing, 1.70 ft above lsd. Highest water level 62.74 below lsd, June 21, 1937; lowest 241.24 below lsd, Sept. 25, 1958. Records available: 1937-59.

Feb. 1, 1956	216.98	Feb. 7, 1957	227.98	Feb. 6, 1958	229.84	Feb. 4, 1959	233.33
June 1	220.49	June 3	225.99	June 2	229.90	June 3	232.13
Sept. 6	238.24	Sept. 3	237.28	Sept. 25	241.24	Sept. 10	235.44
Dec. 3	234.32	Dec. 4	232.65	Dec. 4	237.75	Dec. 8	231.33

1104. City of LaPorte well 1. Lat 29°39', long 95°01'. Drilled public-supply artesian well in sand, diam 10 in, depth 570 ft, screened 500-570. MP top of 1-in breather pipe, 3.00 ft above lsd. Highest water level 40 below lsd, April 1930; lowest 180± below lsd, Mar. 6, 1959. Records available: 1930-31, 1937, 1940-56, 1959. Feb. 6, 1956, 121.50; June 4, 140±; Sept. 7, 161±; Dec. 4, 137.62; Mar. 6, 1959, 180±. Well caved in; measurement discontinued.

1161. Sinclair Refining Co. well 6. Lat 29°42', long 95°14'. Drilled unused artesian well in sand, diam 24 to 8 in, depth 1,228 ft, screened 741-781, 925-965, 1,118-1,228. MP top of casing, 1.00 ft above lsd. Highest water level 30.0 below lsd, October 1924 (previously reported 96.7 below lsd, Mar. 30, 1939); lowest 299.6 below lsd, Aug. 13, 16, 1958. Records available: 1924, 1937-59. Measurement discontinued.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	273.3	272.6	269.4	268.7	268.3	273.9	.....	280.9	283.5	286.9	285.7	279.1
10	272.5	269.6	269.4	269.1	268.3	274.0	278.5	282.9	282.4	286.1	284.4	279.5
15	273.9	269.0	269.9	268.8	269.0	274.4	277.6	282.9	285.4	285.2	283.2	278.4
20	272.5	270.1	269.3	269.5	269.2	275.2	277.4	283.7	286.2	286.2	280.1	277.1
25	272.6	269.0	268.9	269.2	270.2	275.4	279.6	284.5	287.2	285.9	278.9	275.4
Eom	272.4	269.7	268.8	268.7	271.7	276.5	281.0	283.2	289.4	286.2	278.9	276.1

1161--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	276.7	275.0	269.3	268.9	274.0	271.0	272.3	275.0	280.0	276.4	283.3	279.4
10	276.2	275.1	268.5	268.3	272.1	270.6	272.0	277.3	278.2	279.3	282.1	279.0
15	275.3	273.9	268.6	269.2	271.4	272.8	273.4	276.6	279.4	.....	280.8	279.3
20	274.4	271.9	268.4	270.0	272.4	273.1	274.0	277.0	279.6	282.3	279.3	279.7
25	275.5	271.4	268.5	270.3	273.8	273.7	273.4	278.4	277.5	283.0	278.8	280.1
Eom	274.4	271.2	270.3	272.0	272.0	272.5	274.6	280.0	276.5	283.9	279.1	279.5
1958												
5	280.0	280.1	279.2	279.7	279.0	283.6	292.9	297.8	295.1	295.1	295.0	291.5
10	280.7	279.5	279.0	278.9	280.7	283.7	292.8	299.1	296.1	296.7	294.9	291.5
15	230.3	278.8	279.9	278.4	280.4	286.1	292.6	299.3	295.7	294.5	294.2	290.6
20	279.6	278.8	280.3	279.1	279.8	288.9	293.4	298.4	293.9	293.9	293.8	289.4
25	280.2	278.5	280.5	280.0	281.1	290.9	295.3	297.1	295.3	294.9	292.7	287.8
Eom	280.4	279.4	281.3	279.2	283.0	291.5	296.3	296.7	295.3	295.6	291.6	287.7
1959												
5	289.9	280.8	280.0	276.2	276.1	275.8	278.0	276.0	265.1	.....	.....	246.7
10	288.9	281.1	279.2	.....	276.7	275.4	275.9	270.3	260.8	253.8	.....	248.5
15	289.0	279.8	278.8	272.3	277.3	277.4	276.3	267.9	263.6	262.4	.....	.....
20	286.1	281.6	277.2	272.8	277.2	279.1	273.9	264.1	260.1	261.0	.....	250.5
25	283.9	278.2	275.5	275.3	.....	277.5	.....	264.5	263.4	249.7	246.3	256.2
Eom	282.4	281.4	276.8	275.5	275.9	278.5	277.2	271.7	262.1	250.5	246.5	.....

1170. Houston Lighting & Power Co. Lat 29°43', long 95°13'. Drilled industrial artesian well in sand, diam 16 to 10 in, depth 836 ft, screened 612-672, 752-811. MP airline gage, at lsd. Highest water level 50.6 below lsd, May 20, 1935; lowest 290 below lsd, Oct. 20, 1958. Records available: 1931-59. Measurements by owner.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1956	271	Nov. 8, 1956	281	Feb. 3, 1958	278	Apr. 20, 1959	276
Feb. 17	267	Dec. 27	273	Apr. 11	278	May 22	282
Mar. 22	266	Apr. 26, 1957	269	May 22	278	July 21	283
Apr. 30	263	May 27	273	Oct. 20	290	Aug. 12	284
June 14	271	June 12	271	Feb. 16, 1959	279	Sept. 18	277
July 13	273	July 24	269	Mar. 20	276	Nov. 13	277
Sept. 7	277	Dec. 27	277				

1229. City of Houston test well 8. Lat 29°39', long 95°11'. Drilled observation artesian well in sand, diam 3 in, depth 1,680 ft, screened 1,661-1,676. MP hole in side of 4-in tee, 2.15 ft above lsd. Highest water level 79.51 below lsd, Aug. 23, 1939; lowest 242.76 below lsd, Dec. 18, 1953. Records available: 1939-59.

Jan. 24, 1956	210.42	Jan. 24, 1957	207.52	Jan. 24, 1958	219.61	Jan. 26, 1959	228.45
Feb. 24	209.33	Feb. 25	208.69	Feb. 25	221.60	Feb. 25	227.09
Mar. 26	209.96	Mar. 22	211.78	Mar. 24	221.17	Mar. 24	226.54
Apr. 25	208.53	Apr. 24	212.93	Apr. 24	221.64	Apr. 27	221.31
May 25	210.51	May 23	215.21	May 25	221.85	May 25	223.77
June 22	212.12	June 21	212.31	June 20	222.99	June 26	225.38
July 24	210.07	July 24	213.18	July 24	225.32	July 24	226.19
Aug. 24	210.25	Aug. 23	211.93	Aug. 25	227.80	Aug. 25	226.15
Sept. 24	210.28	Sept. 25	212.78	Sept. 24	229.79	Sept. 24	226.45
Oct. 24	210.37	Oct. 24	215.35	Oct. 24	230.65	Oct. 26	224.65
Nov. 23	209.79	Nov. 25	214.64	Nov. 26	230.90	Nov. 24	227.39
Dec. 20	208.62	Dec. 20	216.59	Dec. 22	230.64	Dec. 22	229.08

1230. City of Houston test well 9. Lat 29°39', long 95°11'. Drilled observation artesian well in sand, diam 3½ in, depth 1,419 ft, screened 1,399-1,414. MP hole in side of 4-in tee, 2.45 ft above lsd. Highest water level 88.74 below lsd, July 24, 1939; lowest 275.04 below lsd, Aug. 25, 1958. Records available: 1939-59.

Jan. 24, 1956	251.25	Jan. 24, 1957	246.93	Jan. 24, 1958	253.12	Jan. 26, 1959	264.90
Feb. 24	248.50	Feb. 25	244.60	Feb. 25	252.88	Feb. 28	263.07
Mar. 26	246.96	Mar. 22	243.64	Mar. 24	252.56	Mar. 24	262.91
Apr. 25	245.62	Apr. 24	242.73	Apr. 24	255.26	Apr. 27	261.99
May 25	247.71	May 23	244.83	May 25	258.32	May 25	264.00
June 22	251.60	June 21	244.54	June 20	265.75	June 26	268.54
July 24	255.32	July 24	248.95	July 24	270.34	July 24	268.00
Aug. 24	259.88	Aug. 23	253.20	Aug. 25	275.04	Aug. 25	268.74
Sept. 24	258.11	Sept. 25	253.23	Sept. 24	273.51	Sept. 24	265.70
Oct. 24	254.15	Oct. 24	252.01	Oct. 24	271.68	Oct. 26	264.80
Nov. 23	249.25	Nov. 25	249.64	Nov. 26	269.91	Nov. 24	263.44
Dec. 20	247.56	Dec. 20	250.59	Dec. 22	266.54	Dec. 22	263.53



1418. W. B. Nelson. Lat 29°35', long 95°15'. Drilled irrigation artesian well in sand, diam 18 to 14 in, depth 1,400 ft, screened opposite sands 380-1,286. MP lower edge of port-hole, 2.40 ft above lsd. Highest water level 103.85 below lsd, Apr. 25, 1944; lowest 214.00 below lsd, Sept. 14, 1956. Records available: 1943-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1956	196.50	Dec. 12, 1956	204.40	Dec. 11, 1957	204.23	Feb. 18, 1959	211.67
Sept. 14	214.00	Feb. 20, 1957	201.21	Feb. 26, 1958	204.28	Dec. 21	211.30

W-109. City of Houston. Lake Houston dam. Lat 29°54', long 95°08'. Drilled unused artesian well in sand, diam 4 in, depth 196 ft, screened 176-196. MP top of casing, 1.00 ft above lsd. Highest water level 75.24 below lsd, Apr. 21-24, 1954; lowest 84.50 below lsd, Sept. 18-21, 1959. Records available: 1954-59. Recorder installed Feb. 14, 1954.

Highest water level for the day, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	75.70	75.62	75.29	76.48	78.00	75.29	76.87	77.11	76.80	76.62
10	.....	.....	75.59	75.59	75.46	76.89	78.30	75.64	76.96	77.11	76.80	76.72
15	.....	75.81	75.64	75.28	75.74	77.30	78.45	76.04	77.12	77.12	76.70	76.61
20	.....	75.74	75.59	75.26	75.75	77.38	78.46	76.30	77.20	77.20	76.60	76.63
25	.....	75.69	75.56	75.25	75.91	77.51	78.75	76.56	77.32	76.80	76.69	76.61
Eom	.....	75.68	75.57	75.29	76.17	77.82	77.20	76.72	77.21	76.77	76.71	76.40

1955

5	76.33	75.87	76.02	76.23	76.24	76.70	77.49	78.12	78.48	78.86	79.20	79.15
10	76.26	75.76	76.00	76.19	76.32	76.80	77.67	78.19	78.51	78.94	79.22	79.15
15	76.29	76.25	76.01	76.02	76.43	76.90	77.77	78.26	.....	78.99	79.20	79.15
20	76.21	76.12	76.05	76.13	76.36	77.06	.....	78.35	.....	79.05	79.23	79.13
25	76.29	76.12	76.12	76.15	76.41	77.20	77.91	78.44	.....	79.15	79.24	79.10
Eom	76.36	76.06	76.26	76.20	76.60	77.38	77.38	78.44	78.80	79.16	79.27	79.15

1956

5	.....	78.76	78.39	78.45	78.62	79.62	80.49	81.45	82.32	82.79	82.99	82.85
10	.....	78.42	78.45	78.32	78.71	79.89	80.66	81.60	82.46	82.84	83.05	82.86
15	.....	78.14	78.41	78.45	78.83	79.97	80.74	81.77	82.52	82.87	82.83	82.76
20	79.11	78.25	78.49	78.59	79.00	80.09	80.89	81.96	82.61	82.89	82.84	82.57
25	78.96	78.29	78.46	78.61	79.16	80.24	81.16	82.17	82.70	82.92	82.86	.....
Eom	78.96	78.40	78.44	78.64	79.41	80.39	81.30	82.27	82.74	82.97	82.88	82.28

1957

5	82.25	82.18	81.81	80.44	80.38	80.39	80.93	81.76	82.49	82.44	82.55	82.36
10	82.25	82.15	81.80	80.58	80.53	80.51	81.06	81.90	82.68	82.57	82.36	82.26
15	82.27	82.16	81.79	80.60	80.53	80.62	81.19	82.05	82.67	82.46	82.27	82.28
20	82.30	82.09	81.21	80.60	80.51	80.72	.....	82.21	82.74	82.41	82.36	82.20
25	82.27	81.95	80.73	80.61	80.58	80.73	81.52	82.39	82.50	82.48	81.50	82.19
Eom	82.20	81.96	80.44	79.69	80.47	80.78	81.63	82.51	82.29	82.53	82.34	81.88

1958

5	82.11	81.86	81.58	81.35	80.94	81.59	82.51	83.39	84.00	83.38	83.50	83.57
10	.....	81.79	81.52	.....	81.20	81.68	82.61	83.57	83.95	83.48	83.53	83.59
15	.....	81.64	81.56	.....	81.39	81.85	82.76	83.69	83.98	83.53	83.51	83.70
20	.....	81.69	81.53	81.20	81.36	81.99	.....	83.79	83.75	83.57	83.53	83.65
25	.....	81.32	81.42	81.20	81.36	82.14	83.05	83.80	83.45	83.55	83.50	83.60
Eom	.....	81.45	81.40	81.19	81.44	82.33	83.24	.....	83.38	83.54	83.62	83.58

1959

5	83.62	83.07	83.02	83.16	83.02	83.21	83.78	.....	84.28	84.35	84.28	84.33
10	83.63	83.20	83.12	82.47	82.73	83.28	83.86	.....	84.34	84.43	84.42	84.35
15	83.54	.....	83.13	82.15	82.62	83.44	83.91	.....	84.47	84.24	84.39	83.80
20	83.53	83.00	83.17	81.83	83.07	83.59	83.95	84.25	84.50	84.36	84.35	83.80
25	83.64	82.95	83.20	83.04	82.93	83.52	83.29	84.24	84.42	84.43	84.32	84.04
Eom	83.37	82.96	83.10	83.02	83.12	83.59	83.59	84.12	84.40	84.40	84.41	84.03

## Hartley County

361(BK-1). Ben Trujillo. Lat 35°39', long 102°29'. Drilled irrigation water-table well in sand, diam 12 in, depth 120 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 33.18 below lsd, Feb. 2, 1952; lowest 34.05 below lsd, Feb. 21, 1957, Mar. 20, 1958. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1952	33.18	Jan. 6, 1954	33.48	Mar. 19, 1956	33.90	Mar. 20, 1958	34.05
Jan. 12, 1953	33.30	Feb. 15, 1955	33.77	Feb. 21, 1957	34.05	Jan. 14, 1959	33.98

Z-2. Elmer Eversol. Lat 35°51', long 102°48'. Drilled irrigation water-table well in sand, diam 16 in, depth 395 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 198.11 below lsd, Feb. 16, 1955; lowest 199.89 below lsd, Mar. 1, 1957. Records available: 1955-59. Feb. 16, 1955, 198.11; Mar. 19, 1956, 199.26; Mar. 1, 1957, 199.89; Mar. 20, 1958, 199.75; Jan. 13, 1959, 199.50.

AG-1. Robert Thompson. Lat 35°51', long 102°14'. Drilled irrigation water-table well in sand, diam 16 in, depth 646 ft. MP top of pumpbase, 2.00 ft above lsd. Highest water level 320.05 below lsd, Feb. 14, 1956; lowest 321.08 below lsd, Feb. 25, 1957. Records available: 1956-59. Feb. 14, 1956, 320.05; Feb. 25, 1957, 321.08; Feb. 27, 1958, 320.48; Feb. 17, 1959, 320.75.

AR-1. Robert Wiseman. Lat 35°49', long 102°11'. Drilled irrigation water-table well in sand, diam 16 in, depth 570 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 312.10 below lsd, Feb. 16, 1956; lowest 313.02 below lsd, Mar. 19, 1957. Records available: 1956-59. Feb. 16, 1956, 312.10; Mar. 19, 1957, 313.02; Feb. 27, 1958, 312.50; Feb. 17, 1959, 312.80.

#### Haskell County

1(E-150). City of Haskell well 1. Lat 33°09', long 99°43'. Dug public-supply water-table well in sand and gravel of Seymour formation, diam 20 ft, depth 19 ft, curbed with concrete. MP lower edge of I-beam, 2.00 ft above lsd. Highest water level 4.52 below lsd, Jan. 4, 1956; lowest 12.90 below lsd, Aug. 13, 1956. Records available: 1951-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1951	7.38	Jan. 4, 1954	7.40	Jan. 4, 1956	4.52	Jan. 7, 1957	10.14
Feb. 12, 1952	c10.37	Jan. 3, 1955	a6.40	Aug. 13	12.90	Jan. 13, 1958	7.37
Jan. 6, 1953	c7.65						

a Well being pumped.

c Nearby well being pumped.

4(E-148). City of Haskell well 3. Lat 33°09', long 99°43'. Dug public-supply water-table well in sand and gravel of Seymour formation, diam 28 ft, depth 30 ft, cribbed with concrete. MP top of concrete rim, 3.00 ft above lsd. Highest water level 16.34 below lsd, Jan. 4, 1954; lowest 19.53 below lsd, Jan. 13, 1958. Records available: 1944, 1951, 1953-58. No measurement made in 1959.

Mar. 17, 1944	19.00	Jan. 6, 1953	17.90	Jan. 3, 1955	16.87	Jan. 7, 1957	b21.03
Mar. 1, 1951	16.36	Jan. 4, 1954	16.34	Jan. 4, 1956	b18.99	Jan. 13, 1958	19.53

b Well pumped recently.

15(D-24). Santa Fe Ry. Co. Lat 33°11', long 99°53'. Dug unused water-table well in sand and gravel of Seymour formation, diam 18 ft, depth 49 ft, cribbed with rock. MP top of well cover, 1.00 ft above lsd. Highest water level 31.74 below lsd, Mar. 21, 1944; lowest 44.20 below lsd, Jan. 9, 1957. Records available: 1944, 1951-54, 1956-58. No measurement made in 1955 or 1959.

Mar. 21, 1944	31.74	Feb. 11, 1952	34.97	Jan. 4, 1954	37.74	Jan. 9, 1957	44.20
Mar. 1, 1951	34.19	Jan. 5, 1953	b38.32	Jan. 4, 1956	38.48	Jan. 13, 1958	38.60

b Well pumped recently.

32(E-18a). Joe Cloud. Lat 33°11', long 99°50'. Dug farm water-table well in sand and gravel of Seymour formation, diam 30 in, depth 37 ft, cribbed with concrete rings. MP top of concrete curb, 1.70 ft above lsd. Highest water level 24.04 below lsd, Jan. 4, 1954; lowest 31.25 below lsd, Jan. 7, 1957. Records available: 1944, 1954-58. Mar. 23, 1944, 24.36; Jan. 4, 1954, 24.04; Jan. 3, 1955, 25.66; Jan. 4, 1956, 27.27; Jan. 7, 1957, 31.25; Jan. 13, 1958, 30.35. No measurement made in 1959.

36(A-71). D. R. Brown. Lat 33°19', long 99°50'. Dug irrigation water-table well in sand and gravel of Seymour formation, diam 9 to 6 ft, depth 65 ft, cribbed with concrete. MP top of concrete curb, at lsd. Highest water level 36.63 below lsd, May 15, 1956; lowest 42.55 below lsd, Mar. 24, 1944. Records available: 1944, 1954-59.

Mar. 24, 1944	42.55	Jan. 4, 1955	37.68	May 15, 1956	36.63	Jan. 14, 1958	39.63
Jan. 4, 1954	37.03	Jan. 4, 1956	37.46	Jan. 8, 1957	39.80	Feb. 5, 1959	40.78

36a(A-30). S. N. Reed. Lat 33°23', long 99°51'. Drilled unused water-table well in sand and gravel of Seymour formation, diam 12 in, depth 42 ft, casing slotted. MP top of casing, at lsd. Highest water level 15.07 below lsd, Mar. 1, 1951; lowest 21.66 below lsd, Jan. 7, 1957. Records available: 1951-59.

Mar. 1, 1951	15.07	Jan. 4, 1954	17.76	Jan. 4, 1956	16.77	Jan. 14, 1958	18.91
Feb. 11, 1952	16.75	Jan. 4, 1955	18.15	Jan. 7, 1957	21.66	Feb. 5, 1959	19.51
Jan. 5, 1953	18.03						

101(B-104). L. E. Walker. Lat 33°21', long 99°47'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 58 ft, casing slotted below 26. MP top of concrete base, 1.66 ft above lsd. Highest water level 20.20 below lsd, Jan. 6, 1953; lowest 32.70 below lsd, Feb. 6, 1959. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 12, 1952	20.27	Jan. 4, 1955	25.41	Jan. 4, 1957	30.76	Jan. 14, 1958	31.52
Jan. 6, 1953	20.20	Aug. 3, 1956	c32.58	8	31.04	Feb. 6, 1959	32.70
Jan. 4, 1954	22.70						

c Nearby well being pumped.

38(A-127). J. L. Reed, Jr. Lat 33°15', long 99°51'. Dug farm water-table well in sand and gravel of Seymour formation, diam 30 in, depth 25 ft, cribbed with concrete rings. MP top of concrete curb, 2.60 ft above lsd. Highest water level 9.11 below lsd, Mar. 24, 1944; lowest 18.34 below lsd, Jan. 9, 1957. Records available: 1944, 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1944	9.11	Jan. 5, 1953	15.00	Jan. 4, 1956	16.28	Jan. 13, 1958	14.91
Mar. 1, 1951	11.66	Jan. 4, 1954	15.32	Jan. 9, 1957	18.34	Feb. 5, 1959	15.64
Feb. 11, 1952	12.83	Jan. 3, 1955	17.40				

100(B-168). Mary Cook Ellis. Lat 33°19', long 99°48'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 13 in, depth 60 ft, casing slotted. MP end of discharge pipe, 4.50 ft above lsd. Highest water level 13.41 below lsd, Feb. 12, 1952; lowest 20.63 below lsd, Feb. 5, 1959. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 12, 1952	13.41	Jan. 4, 1955	15.06	Jan. 3, 1957	20.19	Jan. 14, 1958	16.65
Jan. 6, 1953	13.72	Jan. 4, 1956	15.40	8	20.07	Feb. 5, 1959	20.63
Jan. 4, 1954	14.66						

103(B-175). M. S. Lowery. Lat 33°23', long 99°45'. Dug unused water-table well in sand and gravel of Seymour formation, diam 24 in, depth 35 ft, cribbed with concrete rings. MP top of concrete curb, 0.50 ft above lsd. Highest water level 13.78 below lsd, Feb. 12, 1952; lowest 26.44 below lsd, Feb. 5, 1959. Records available: 1952-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 12, 1952	13.78	Jan. 5, 1954	17.30	Jan. 4, 1956	19.94	Jan. 14, 1958	25.05
Jan. 6, 1953	15.94	Jan. 4, 1955	18.59	Jan. 9, 1957	25.66	Feb. 5, 1959	26.44

### Hays County

110(E-17). M. O. Rogers. Lat 30°07', long 97°58'. Drilled farm artesian well in limestone, diam 6 in, depth 110 ft. Lsd 992.53 ft above msl. MP top of iron pipe clamp, 0.20 ft above lsd. Highest water level 2.94 below lsd, Mar. 11, 1958; lowest 63.79 below lsd, July 12, 1956. Records available: 1937, 1940-46, 1948-58. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 12, 1956	63.79	Mar. 8, 1957	57.22	Nov. 18, 1957	5.87	May 12, 1958	8.45
Oct. 5	59.61	May 9	52.79	Jan. 10, 1958	13.78	July 3	53.88
Nov. 9	61.98	July 16	47.12	Mar. 11	2.94	Nov. 12	9.70
Jan. 7, 1957	59.14						

524(H-60). H. W. Hageman. Lat 29°54', long 97°55'. Drilled unused artesian well in Edwards limestone, diam 5 in, depth 78 ft. Lsd 607.31 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 26.81 below lsd, Mar. 11, 1958; lowest 42.58 below lsd, Sept. 14, 1937. Records available: 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 17, 1953	33.55	July 13, 1955	32.97	Mar. 7, 1957	32.83	July 2, 1958	29.74
Dec. 2	30.83	Nov. 7	33.09	May 8	30.07	Nov. 12	29.09
Apr. 7, 1954	32.80	Mar. 7, 1956	33.25	July 5	31.04	Jan. 20, 1959	30.73
July 21	33.04	July 12	33.34	Nov. 19	29.01	May 26	30.57
Aug. 23	33.11	Oct. 5	33.25	Jan. 10, 1958	29.64	July 24	31.51
Dec. 7	33.03	Nov. 8	33.01	Mar. 11	26.81	Sept. 25	31.94
Mar. 8, 1955	33.04	Jan. 7, 1957	33.09	May 12	27.49	Dec. 16	31.17

529(H-23). Nicholas Thiele. Kyle. Lat 29°59', long 97°52'. Drilled domestic artesian well in Edwards limestone, diam 5 in, depth 372 ft, cased to 340. Lsd 718.00 ft above msl. MP top of iron pipe clamp, 0.40 ft above lsd. Highest water level 124.38 below lsd, May 12, 1958; lowest 175.77 below lsd, July 12, 1956. Records available: 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1956	148.15	Mar. 7, 1957	147.81	Mar. 11, 1958	126.54	Apr. 27, 1959	128.70
July 12	175.77	May 8	139.18	May 12	124.38	May 26	129.32
Aug. 28	160.77	July 16	149.69	July 3	137.18	July 24	137.48
Oct. 5	159.67	Nov. 18	133.07	Nov. 12	126.23	Sept. 25	136.58
Nov. 8	150.93	Jan. 9, 1958	129.46	Jan. 20, 1959	126.59	Dec. 16	128.86
Jan. 7, 1957	147.59						

534(E-36). J. J. Horton. Buda. Lat 30°05', long 97°50'. Drilled domestic artesian well in Edwards limestone, diam 5 in, depth 244 ft, cased to 230. Lsd 707.23 ft above msl. MP top of concrete base, 0.80 ft above lsd. Highest water level 82.87 below lsd, May 12, 1958; lowest 148.76 below lsd, July 12, 1956. Records available: 1937-59.

## 534(E-36)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1956	141.79	Jan. 7, 1957	139.96	Mar. 11, 1958	82.89	Apr. 27, 1959	90.16
July 12	148.76	Mar. 8	135.22	May 12	82.87	May 26	91.21
Aug. 28	146.64	May 9	107.04	July 3	88.27	July 24	101.62
Oct. 5	148.61	July 16	112.52	Nov. 12	84.49	Sept. 25	105.98
Nov. 9	139.77	Nov. 18	97.42	Jan. 20, 1959	89.10	Dec. 16	89.43

553(H-95). G. M. Jackson. Lat 29°51', long 97°58'. Drilled unused artesian well in Edwards limestone, diam 6 in, depth 194 ft. Lsd 696.80 ft above msl. MP top of concrete base, 0.80 ft above lsd. Highest water level 115.00 below lsd, Aug. 8, 1941 (previously reported 115.74 below lsd, Apr. 29, 1944); lowest 122.94 below lsd, July 13, 1955. Records available: 1937-57, 1959. No measurement made in 1958.

Mar. 7, 1956	121.92	Jan. 7, 1957	121.08	Mar. 26, 1959	117.19	July 27, 1959	117.66
July 12	121.23	Mar. 7	121.04	Apr. 27	116.70	Sept. 25	118.46
Oct. 5	120.81	May 8	116.44	May 26	116.78	Dec. 16	117.95
Nov. 8	122.16						

E-48. Mrs. Laura B. Negley. Lat 30°02', long 97°53'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 400 ft. Lsd 827.80 ft above msl. MP hole in cover plate, 1.50 ft above lsd. Highest water level 199.55 below lsd, May 12, 1958; lowest 267.98 below lsd, Oct. 5, 1956. Records available: 1949-59.

Feb. 10, 1949	242.25	Feb. 26, 1952	246.34	July 13, 1955	237.57	Nov. 18, 1957	215.56
Apr. 20	234.22	Aug. 8	233.30	Nov. 9	246.60	Jan. 10, 1958	217.97
Aug. 24	233.87	Sept. 6	238.33	Mar. 7, 1956	248.78	Mar. 11	201.32
Nov. 10	236.35	Apr. 13, 1953	226.69	July 12	253.90	May 12	199.55
Apr. 11, 1950	236.45	Aug. 17	232.11	Aug. 28	263.88	July 3	202.62
Aug. 3	230.20	Dec. 3	229.27	Oct. 5	267.98	Jan. 20, 1959	204.63
Dec. 6	239.66	Apr. 6, 1954	225.22	Nov. 9	250.87	Apr. 27	208.08
Jan. 2, 1951	240.31	July 21	240.58	Jan. 7, 1957	247.18	May 26	208.46
Apr. 4	243.47	Aug. 23	242.88	Mar. 7	245.08	July 27	214.77
Aug. 8	237.23	Dec. 6	242.04	May 8	223.77	Dec. 16	208.78
Dec. 5	243.30	Mar. 8, 1955	238.34	July 16	224.63		

H-75a. Owner unknown. Lat 29°53', long 97°57'. Drilled domestic artesian well in Edwards limestone, diam 6 in. Lsd 734.40 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 151.79 below lsd, Mar. 11, 1958; lowest 169.31 below lsd, July 13, 1955. Records available: 1954-59.

Aug. 23, 1954	167.17	Oct. 5, 1956	163.84	Nov. 19, 1957	155.52	Nov. 12, 1958	155.12
Mar. 8, 1955	159.22	Nov. 9	163.49	Jan. 10, 1958	155.63	Apr. 27, 1959	156.74
July 13	169.31	Jan. 7, 1957	162.59	Mar. 11	151.79	May 26	156.83
Nov. 7	159.97	Mar. 7	164.40	May 12	153.37	July 24	157.73
Mar. 7, 1956	161.90	May 8	155.94	July 2	155.64	Dec. 16	157.57
July 12	167.55	July 5	156.76	Sept. 5	157.08		

Hidalgo CountyLinn Area

D-32(767). A. J. Ehlers. Lat 26°33', long 98°11'. Drilled irrigation water-table well in sand, diam 12 in, depth 86 ft, cased to 3. MP top of casing, at lsd. Highest water level 28.72 below lsd, Dec. 10, 1948; lowest 45.84 below lsd, May 27, 1955. Records available: 1948-59.

Mar. 23, 1948	32.42	June 1, 1950	41.50	May 25, 1954	45.01	June 4, 1957	44.98
Dec. 10	28.72	June 13, 1951	43.63	May 27, 1955	45.84	June 27, 1958	44.76
Apr. 26, 1949	32.83	June 3, 1952	40.11	May 22, 1956	44.03	May 25, 1959	44.13
Apr. 25, 1950	39.04	May 20, 1953	42.50				

D-40(575). A. W. Beaurline. Lat 26°32', long 98°10'. Drilled irrigation water-table well in sand, diam 12 in, depth 78 ft, not cased. MP hole in pump, 2.00 ft above lsd. Highest water level 32.00 below lsd, Sept. 2, 1939; lowest 51.60 below lsd, June 13, 1951. Records available: 1939, 1948-54, 1956-59.

Sept. 2, 1939	32.00	Apr. 26, 1950	39.54	June 4, 1952	42.01	June 4, 1957	46.90
Jan. 23, 1948	33.67	May 31	39.30	May 20, 1953	43.69	June 27, 1958	46.08
Mar. 30	32.15	May 10, 1951	41.70	May 26, 1954	45.17	May 25, 1959	45.56
Apr. 26, 1949	36.12	June 13	51.60	May 22, 1956	46.38		

D-68(752). Reynaldo Vela. Lat 26°31', long 98°11'. Drilled irrigation water-table well in sand, diam 10 in, depth 92 ft. MP top of pumpbase, at lsd. Highest water level 42.74 below lsd, June 21, 1945; lowest 57.93 below lsd, June 4, 1957. Records available: 1945, 1948-50, 1952-59.

D-68(752)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 21, 1945	42.74	Apr. 26, 1950	50.10	May 25, 1954	54.97	June 4, 1957	57.93
Mar. 22, 1948	50.02	June 4, 1952	52.30	May 27, 1955	56.35	June 27, 1958	57.64
Dec. 10	50.20	May 21, 1953	55.90	May 22, 1956	57.40	May 25, 1959	56.49
Apr. 26, 1949	49.25						

D-69(573). J. E. Garrett. Lat 26°31', long 98°11'. Drilled stock water-table well in sand, diam 14 in, depth 88 ft. MP top of concrete base, at lsd. Highest water level 43.99 below lsd, Apr. 15, 1948; lowest 52.01 below lsd, May 22, 1956. Records available: 1939, 1948-59.

Sept. 1, 1939	51.00	Jan. 11, 1950	44.62	May 25, 1954	49.07	June 4, 1957	51.70
Apr. 15, 1948	43.99	June 13, 1951	47.10	May 27, 1955	51.15	June 27, 1958	49.86
Dec. 10	44.35	June 4, 1952	47.04	May 22, 1956	52.01	May 25, 1959	47.73
Apr. 26, 1949	44.52	May 21, 1953	49.60				

E-67(576). A. K. Polis. Lat 26°32', long 98°09'. Drilled irrigation water-table well in sand, diam 36 in, depth 78 ft. MP hole in pump, 1.50 ft above lsd. Highest water level 29.35 below lsd, Mar. 20, 1948; lowest 46.65 below lsd, June 4, 1957. Records available: 1939, 1948-53, 1955-59.

Sept. 2, 1939	30.00	Jan. 11, 1950	34.38	June 13, 1951	38.14	May 22, 1956	45.95
Jan. 23, 1948	36.12	Apr. 26	35.55	June 4, 1952	39.67	June 4, 1957	46.65
Mar. 20	29.35	June 1	35.52	May 20, 1953	39.20	June 27, 1958	42.60
Apr. 26, 1949	31.21	May 10, 1951	37.97	May 27, 1955	46.39	May 25, 1959	44.87

E-102(791). C. E. Villarreal. Lat 26°30', long 98°08'. Drilled irrigation water-table well in sand, diam 12 in, depth 91 ft. MP hole in pump, 0.70 ft above lsd. Highest water level 29.00 below lsd, September 1946; lowest 45.71 below lsd, May 27, 1955. Records available: 1946, 1948-59.

Sept. 1946	29.00	Jan. 12, 1950	37.14	June 3, 1952	42.89	May 22, 1956	44.73
Jan. 24, 1948	32.90	Apr. 25	39.58	May 20, 1953	43.22	June 4, 1957	44.75
Mar. 22	32.62	May 29	39.89	May 26, 1954	44.57	June 25, 1958	42.43
Dec. 10	33.50	May 10, 1951	43.57	May 27, 1955	45.71	May 25, 1959	38.24
Apr. 27, 1949	33.44	June 13	42.03				

Hockley County

24. R. Y. Hughen. Lat 33°47', long 102°08'. Drilled unused water-table well in sand, diam 6 in, depth 37 ft. MP top of hole in pump, 1.80 ft above lsd. Highest water level 17.85 below lsd, Feb. 1, 1943; lowest 42.26 below lsd, Jan. 15, 1959. Records available: 1937-59. Jan. 18, 1956, 37.25; Jan. 22, 1957, 42.03; Jan. 11, 1958, 41.50; Jan. 15, 1959, 42.26.

28. Dan Jackson and Paul Whitfield. Lat 33°47', long 102°10'. Drilled irrigation water-table well in sand, diam 16 in, depth 100 ft, cased to 100. MP top of steel plate, 0.20 ft above lsd. Highest water level 26.92 below lsd, Feb. 1, 1943; lowest 59.77 below lsd, Jan. 15, 1959. Records available: 1937-51, 1953-59. Jan. 18, 1956, 58.00; Jan. 21, 1957, 58.22; Jan. 9, 1958, 58.53; Jan. 15, 1959, 59.77.

247a. A. N. Riley. Lat 33°40', long 102°31'. Drilled irrigation water-table well in sand, diam 18 in, depth 230 ft, cased to 150. MP hole in pumpbase, 1.60 ft above lsd. Highest water level 104.62 below lsd, Feb. 28, 1946; lowest 130.48 below lsd, Jan. 15, 1959. Records available: 1944-57, 1959. Jan. 16, 1956, 121.86; Jan. 22, 1957, 126.95; Jan. 15, 1959, 130.48. No measurement made in 1958.

429b. H. R. Johnston. Lat 33°41', long 102°06'. Drilled irrigation water-table well in sand, diam 14 in, depth 190 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 86.70 below lsd, Mar. 15, 1947; lowest 131.20 below lsd, Jan. 15, 1959. Records available: 1947-59. Jan. 18, 1956, 125.67; Jan. 21, 1957, 128.26; Jan. 11, 1958, 131.12; Jan. 15, 1959, 131.20.

434. C. E. Pendergrass. Lat 33°44', long 102°10'. Drilled irrigation water-table well in sand, diam 16 in, depth 221 ft, cased to 206. MP end of discharge pipe, 3.80 ft above lsd. Highest water level 130.24 below lsd, Mar. 1, 1946; lowest 174.20 below lsd, Jan. 12, 1958. Records available: 1938, 1944-55, 1957-59. Jan. 21, 1957, 172.77; Jan. 12, 1958, 174.20; Jan. 15, 1959, 163.52. No measurement made in 1956.

576. M. L. Goolsby. Lat 33°33', long 102°21'. Drilled irrigation water-table well in sand, diam 15 in, depth 172 ft. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 87.65 below lsd, Jan. 29, 1944; lowest 117.43 below lsd, Jan. 16, 1959. Records available: 1944, 1946-59. Jan. 16, 1956, 108.03; Jan. 22, 1957, 113.15; Jan. 11, 1958, 115.85; Jan. 16, 1959, 117.43.

717. Panhandle & Santa Fe Ry. Co. Lat 33°34', long 102°07'. Drilled unused water-table well in sand. MP top of casing, at lsd. Highest water level 97.04 below lsd, Dec. 4, 1950; lowest 111.80 below lsd, Jan. 11, 1958. Records available: 1939, 1945, 1948-59. Jan. 16, 1956, 108.25; Jan. 22, 1957, 110.45; Jan. 11, 1958, 111.80; Jan. 15, 1959, 111.47.

### Hudspeth County

4. Catholic Church. Del City. Lat 31°58', long 105°13'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 750 ft. MP hole in pumpbase, 1.55 ft above lsd. Highest water level 179.23 below lsd, Feb. 21, 1950; lowest 195.82 below lsd, Feb. 7, 1952. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 16, 1949	182.00	Feb. 7, 1952	195.82	Jan. 21, 1955	187.41	Jan. 25, 1957	190.23
Feb. 21, 1950	179.23	Jan. 28, 1953	184.60	Jan. 20, 1956	188.53	Jan. 15, 1958	193.22
Feb. 5, 1951	179.77	Jan. 22, 1954	187.45				

8. James P. Williams. Del City. Lat 31°56', long 105°13'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 230 ft. Lsd 3,754.60 ft above msl. MP top of concrete base, 0.40 ft above lsd. Highest water level 129.92 below lsd, Feb. 3, 1949; lowest 145.80 below lsd, Jan. 15, 1958. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1948	130.30	Jan. 3, 1950	130.84	Jan. 28, 1953	136.34	Jan. 20, 1956	141.53
Nov. 12	130.45	Feb. 5, 1951	131.40	Jan. 22, 1954	139.75	Jan. 25, 1957	142.76
Feb. 3, 1949	129.92	Feb. 7, 1952	133.22	Jan. 21, 1955	140.35	Jan. 15, 1958	145.80
Sept. 23	133.75						

12. E. L. Stone. Del City. Lat 31°55', long 105°14'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 275 ft, cased to 14. Lsd 3,765.60 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 140.65 below lsd, Feb. 3, 1949; lowest 155.42 below lsd, Jan. 15, 1958. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 12, 1948	141.15	Feb. 21, 1950	140.99	Feb. 7, 1952	144.02	Jan. 20, 1956	151.78
Feb. 3, 1949	140.65	July 28	143.18	Jan. 28, 1953	146.12	Jan. 25, 1957	152.64
Nov. 24	141.50	Nov. 1	142.75	Jan. 22, 1954	148.80	Jan. 15, 1958	155.42
Jan. 3, 1950	140.99	Feb. 5, 1951	142.02	Jan. 21, 1955	150.45		

24. Laughlin, Tiery & Chandler. Del City. Lat 31°57', long 105°12'. Drilled unused artesian well in Bone Spring limestone, diam 18 in, depth 200 ft. Lsd 3,734.40 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 109.62 below lsd, Feb. 3, 1949; lowest 124.57 below lsd, Jan. 15, 1958. Records available: 1948-49, 1951-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1948	111.15	Feb. 5, 1951	111.13	Jan. 22, 1954	118.23	Jan. 25, 1957	121.78
Feb. 3, 1949	109.62	Feb. 7, 1952	113.14	Jan. 21, 1955	119.45	Jan. 15, 1958	124.57
Nov. 23	110.84	Jan. 28, 1953	118.48	Jan. 20, 1956	121.08		

c Nearby well being pumped.

30. Jim Napier. Del City. Lat 31°59', long 105°11'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 280 ft. Lsd 3,713.00 ft above msl. MP hole in pumpbase, 0.60 ft above lsd. Highest water level 87.85 below lsd, Mar. 11, 1948; lowest 107.00 below lsd, Jan. 15, 1958. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 11, 1948	87.85	Aug. 12, 1949	90.67	Feb. 5, 1951	89.39	Jan. 21, 1955	101.40
Aug. 12	90.80	Sept. 22	90.65	Feb. 7, 1952	93.89	Jan. 20, 1956	102.80
Nov. 8	88.79	Nov. 23	89.39	Jan. 28, 1953	94.71	Jan. 25, 1957	103.63
Feb. 3, 1949	88.23	Nov. 1, 1950	91.25	Jan. 22, 1954	98.93	Jan. 15, 1958	107.00

38. C. W. Voyles. Del City. Lat 31°56', long 105°12'. Drilled unused artesian well in Bone Spring limestone, diam 16 in, depth 175 ft, cased, part slotted. Lsd 3,699.20 ft above msl. MP top of concrete base, 0.30 ft above lsd. Highest water level 73.75 below lsd, Mar. 11, 1948; lowest 91.00 below lsd, Jan. 16, 1958. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 11, 1948	73.75	Aug. 16, 1949	79.42	Feb. 5, 1951	76.38	Jan. 21, 1955	85.46
Aug. 17	76.70	Nov. 24	75.98	Feb. 7, 1952	79.69	Jan. 20, 1956	87.66
Sept. 28	75.72	Jan. 3, 1950	75.40	Jan. 28, 1953	81.37	Jan. 26, 1957	88.90
Feb. 3, 1949	76.72	Feb. 21	75.23	Jan. 22, 1954	84.44	Jan. 16, 1958	91.00

67. Voyles & Merrill. Del City. Lat 31°57', long 105°09'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 250 ft, cased to 70. Lsd 3,650.90 ft above msl. MP hole in pumpbase, 1.60 ft above lsd. Highest water level 27.29 below lsd, Mar. 2, 1948; lowest 42.55 below lsd, Jan. 16, 1958. Records available: 1948-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1948	27.29	Jan. 3, 1950	27.97	Jan. 28, 1953	33.09	Jan. 20, 1956	38.79
Aug. 6	27.50	Feb. 21	27.96	Jan. 22, 1954	36.01	Jan. 26, 1957	40.02
Feb. 3, 1949	27.72	Feb. 5, 1951	28.93	Jan. 21, 1955	37.50	Jan. 16, 1958	42.55
Nov. 24	28.35	Feb. 7, 1952	30.86				

70. T. C. Ranch. Del City. Lat 31°53', long 105°08'. Drilled irrigation artesian well in Bone Spring limestone, diam 16 in, depth 100 ft, cased to 100. Lsd 3,638.80 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 18.68 below lsd, Feb. 4, 1949; lowest 30.22 below lsd, Jan. 16, 1958. Records available: 1948-49, 1953-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1948	18.77	Jan. 28, 1953	22.68	Jan. 21, 1955	25.83	Jan. 26, 1957	28.63
Feb. 4, 1949	18.68	Jan. 22, 1954	24.63	Jan. 20, 1956	26.68	Jan. 16, 1958	30.22

78. E. O. Brownfield. Del City. Lat 31°59', long 105°08'. Drilled unused artesian well in Bone Spring limestone, diam 14 in, depth 250 ft, cased to 100. Lsd 3,646.00 ft above msl. MP top of concrete curb, 0.90 ft above lsd. Highest water level 22.25 below lsd, Nov. 1, 1950; lowest 36.63 below lsd, Jan. 16, 1958. Records available: 1949-51, 1953-58. Measurement discontinued.

Nov. 8, 1949	22.74	Feb. 5, 1951	23.78	Jan. 21, 1955	31.72	Jan. 26, 1957	34.16
Feb. 21, 1950	22.94	Jan. 28, 1953	27.68	Jan. 20, 1956	32.73	Jan. 16, 1958	36.63
Nov. 1	22.25	Jan. 22, 1954	30.27				

118. Benito Callegoes. Del City. Lat 31°56', long 105°07'. Drilled irrigation artesian well in Bone Spring limestone. Lsd 3,636.10 ft above msl. MP hole in pump, 2.50 ft above lsd. Highest water level 14.82 below lsd, Nov. 19, 1951; lowest 21.80 below lsd, Jan. 16, 1958. Records available: 1951-58. No measurement made in 1959.

Nov. 19, 1951	14.82	Jan. 22, 1954	17.51	Jan. 21, 1955	18.58	Jan. 26, 1957	20.44
Feb. 7, 1952	15.96	June 9	21.10	Jan. 20, 1956	19.85	Jan. 16, 1958	21.80
Jan. 28, 1953	16.48	Dec. 14	18.90				

#### Hutchinson County

1(C-2). Henry Reid. Lat 36°02', long 101°27'. Drilled irrigation water-table well in sand, diam 16 in, depth 366 ft, cased to 235. MP top of pumpbase, 1.00 ft above lsd. Highest water level 84.64 below lsd, Feb. 23, 1950; lowest 92.62 below lsd, Feb. 7, 1957. Records available: 1950, 1952-58. No measurement made in 1959.

Feb. 23, 1950	84.64	Jan. 13, 1954	89.43	Feb. 20, 1956	91.04	Feb. 3, 1958	91.62
Feb. 7, 1952	86.18	Jan. 21, 1955	90.20	Feb. 7, 1957	92.62	Dec. 8	91.98
Jan. 12, 1953	88.22						

1a(C-1). Henry Reid. Lat 36°02', long 101°27'. Drilled irrigation water-table well in sand, diam 16 in, depth 230 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 67.31 below lsd, Feb. 7, 1952; lowest 73.23 below lsd, Feb. 7, 1957. Records available: 1952-58. Measurement discontinued.

Feb. 7, 1952	67.31	Jan. 13, 1954	70.24	Feb. 20, 1956	72.06	Feb. 3, 1958	72.20
Jan. 12, 1953	68.87	Jan. 21, 1955	70.77	Feb. 7, 1957	73.23	Dec. 8	72.45

A-1. J. M. Lewis. Lat 36°02', long 101°35'. Drilled irrigation water-table well in sand, diam 16 in, depth 300 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 142.08 below lsd, Mar. 1, 1956; lowest 145.00 below lsd, Feb. 3, 1958. Records available: 1956-59. Mar. 1, 1956, 142.08; Feb. 8, 1957, 143.50; Feb. 3, 1958, 145.00; Feb. 21, 1959, 144.38.

A-2. D. M. Womble. Lat 36°01', long 101°36'. Drilled irrigation water-table well in sand, diam 16 in, depth 350 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 146.79 below lsd, Mar. 1, 1956; lowest 149.35 below lsd, Feb. 21, 1959. Records available: 1956-59. Mar. 1, 1956, 146.79; Feb. 8, 1957, 148.32; Feb. 3, 1958, 148.65; Feb. 21, 1959, 149.35.

#### Jackson County

11a. Nellie Miller Estate. Lat 29°03', long 96°45'. Drilled farm artesian well in Lissie formation, diam 4 in, depth 66 ft. MP top of casing, 1.90 ft above lsd. Highest water level 31.63 below lsd, Sept. 5, 1936; lowest 47.79 below lsd, Mar. 26, 1957. Records available: 1936, 1938-42, 1944-59. Mar. 20, 1956, 45.43; Mar. 26, 1957, 47.79; Mar. 27, 1958, 44.45; Apr. 2, 1959, 43.93.

64. Wm. Clifford. Lat 28°58', long 96°42'. Drilled farm artesian well in Lissie formation, diam 12 to 8 in (previously reported 30 to 8 in), depth 200 ft. MP top of casing, 1.50 ft above lsd. Highest water level 26.53 below lsd, Sept. 5, 1936; lowest 47.74 below lsd (previously reported 48.14 below lsd), Mar. 22, 1949. Records available: 1934-36, 1938-45, 1947-59. Mar. 20, 1956, 46.13; Mar. 26, 1957, 44.60; Mar. 27, 1958, 43.81; Apr. 2, 1959, 43.39.

88. A. E. Westhoff. Lat 28°53', long 96°35'. Drilled unused artesian well in sand, diam 24 to 9 in, depth 431 ft. MP top of casing, at lsd. Highest water level 15 below lsd, 1909; lowest 51.29 below lsd, Mar. 26, 1957. Records available: 1909, 1934-36, 1938, 1942-59. Mar. 21, 1956, 44.19; Mar. 26, 1957, 51.29; Mar. 27, 1958, 44.02; Apr. 1, 1959, 44.81.

105. Dave Lundquist. Formerly A. M. Robinson. Lat 29°06', long 96°30'. Drilled irrigation artesian well in Lissie formation, diam 24 to 10 in, depth 280 ft. MP top of casing, at lsd. Highest water level 30.0 below lsd, 1934; lowest 48.65 below lsd, Apr. 2, 1959. Records available: 1934, 1942-47, 1949-59. Mar. 20, 1956, 45.93; Mar. 26, 1957, 48.44; Mar. 27, 1958, 48.01; Apr. 2, 1959, 48.65.

122. Eli Bell. Lat 28°56', long 96°27'. Drilled irrigation artesian well in Lissie formation, diam 26 to 10 in, depth 225 ft. MP top of casing, at lsd. Highest water level 20.30 below lsd, Mar. 30, 1944 (previously reported 20.03 below lsd, Mar. 25, 1947); lowest 43.37 below lsd, Mar. 26, 1957. Records available: 1934, 1942-47, 1949-59. Mar. 21, 1956, 40.86; Mar. 26, 1957, 43.37; Apr. 3, 1958, 41.32; Apr. 7, 1959, 42.59.

230. Royal Dedman. Lat 28°53', long 96°34'. Drilled farm artesian well in sand, diam 4 in, depth 131 ft. MP top of casing, 1.00 ft above lsd. Highest water level 33.83 below lsd, Apr. 1, 1944; lowest 46.18 below lsd, Mar. 26, 1957. Records available: 1934-36, 1938-52, 1954, 1956-57, 1959. Mar. 21, 1956, 43.93; Mar. 26, 1957, 46.18; Apr. 1, 1959, 42.58. No measurement made in 1958.

313. G. A. Harrison. Lat 29°00', long 96°35'. Drilled irrigation artesian well in Lissie formation, diam 20 to 12 in, depth 506 ft, casing slotted below 103. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 27.30 below lsd, Apr. 1, 1944; lowest 50.01 below lsd, Mar. 26, 1957. Records available: 1942-52, 1956-59. Mar. 20, 1956, 45.70; Mar. 26, 1957, 50.01; Mar. 28, 1958, 44.68; Apr. 1, 1959, 45.20.

357. A. V. Raplee. Lat 28°43', long 96°22'. Drilled farm artesian well in Beaumont clay, diam 24 to 10 in, depth 400 ft. MP top of casing, 1.00 ft above lsd. Highest water level 7.91 below lsd, Apr. 15, 1943; lowest 33.09 below lsd, Mar. 24, 1954. Records available: 1942-59. Mar. 22, 1956, 22.28; Mar. 27, 1957, 20.27; Apr. 3, 1958, 17.69; Apr. 7, 1959, 19.72.

387. Henderson Bros. Lat 29°05', long 96°37'. Drilled irrigation artesian well in sand, diam 12 in, depth 380 ft. MP top of casing, 0.50 ft above lsd. Highest water level 37.58 below lsd, Mar. 10, 1948; lowest 57.19 below lsd, Apr. 2, 1959. Records available: 1948-51, 1953, 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1948	37.58	Mar. 21, 1950	40.25	Mar. 17, 1953	48.19	Mar. 27, 1958	56.32
Mar. 22, 1949	38.08	Apr. 3, 1951	42.40	Mar. 26, 1957	54.73	Apr. 2, 1959	57.19

#### Jeff Davis County

F-3. H. J. Thannisch. Lat 30°44', long 104°44'. Drilled irrigation artesian well in sand and gravel of Quaternary age, diam 16 to 14 in, depth 448 ft, cased to 318. Lsd 4, 086.10 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 134.00 below lsd, Apr. 18, 1950; lowest 164.35 below lsd, Jan. 17, 1958. Records available: 1950-58. No measurement made in 1959.

Apr. 18, 1950	134.00	Mar. 7, 1952	141.50	Jan. 24, 1955	152.35	Jan. 29, 1957	159.46
May 2	134.49	Jan. 26, 1953	147.85	Jan. 19, 1956	153.82	Jan. 17, 1958	164.35
Feb. 28, 1951	137.66	Jan. 23, 1954	148.60				

F-4. Van Horne Irrigated Farms Co. Lat 30°44', long 104°42'. Drilled stock artesian well in sand and gravel of Quaternary age, diam 6 in, depth unknown. Lsd 4, 067.20 ft above msl. MP slot in casing, 0.50 ft above lsd. Highest water level 124.30 below lsd, July 21, 1943; lowest 147.60 below lsd, Jan. 17, 1958. Records available: 1943, 1951-58. Measurement discontinued.

July 21, 1943	124.30	Jan. 26, 1953	131.50	Jan. 24, 1955	138.42	Jan. 29, 1957	144.40
Feb. 9, 1951	126.19	Jan. 23, 1954	135.48	Jan. 19, 1956	140.98	Jan. 17, 1958	147.60
Mar. 7, 1952	127.53						

F-6. C. Cowden Means. Lat 30°44', long 104°41'. Drilled irrigation artesian well in sand and gravel of Quaternary age, diam 16 to 14 in, depth 447 ft, cased to 447. Lsd 4, 100.50 ft above msl. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 159.30 below lsd, Feb. 28, 1951; lowest 181.77 below lsd, Jan. 17, 1958. Records available: 1951-58. No measurement made in 1959.

Feb. 28, 1951	159.30	Jan. 27, 1953	165.57	Jan. 23, 1955	172.34	Jan. 29, 1957	176.70
Mar. 7, 1952	161.25	Jan. 24, 1954	169.57	Jan. 19, 1956	175.20	Jan. 17, 1958	181.77

F-7. Clyde Shuford. Lat 30°43', long 104°40'. Drilled irrigation artesian well in sand and gravel of Quaternary age. Lsd 4, 141.40 ft above msl. MP top of concrete base, 1.40 ft above lsd. Highest water level 197.29 below lsd, June 13, 1950; lowest 222.27 below lsd, Jan. 17, 1958. Records available: 1950-51, 1953-58. No measurement made in 1959.

June 13, 1950	197.29	Jan. 27, 1953	206.63	Jan. 23, 1955	213.25	Jan. 29, 1957	219.28
Feb. 28, 1951	198.48	Jan. 24, 1954	210.55	Jan. 19, 1956	216.09	Jan. 17, 1958	222.27



F-9. W. J. Russell. Lat 30°43', long 104°43'. Drilled irrigation artesian well in sand and gravel of Quaternary age, diam 16 to 12 in, depth 500 ft, cased, 16-in 0-377, 12-in 356-500, slotted 71-500. Lsd 4,095.00 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 141.14 below lsd, May 2, 1950; lowest 174.70 below lsd, Jan. 17, 1958. Records available: 1948, 1950-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1948	145.00	May 10, 1950	141.18	Jan. 27, 1953	155.09	Jan. 19, 1956	161.65
Apr. 18, 1950	154.00	Feb. 9, 1951	142.56	Jan. 23, 1954	156.22	Jan. 29, 1957	167.95
May 2	141.14	Mar. 7, 1952	147.73	Jan. 24, 1955	159.93	Jan. 17, 1958	174.70

### Jefferson County

187. Pipkin Ranch. Lat 29°45', long 94°14'. Drilled stock artesian well in sand, diam 6 in, depth 327 ft. MP top of 6-in tee, 3.00 ft above lsd. Highest water level flowing, Aug. 26, 1941; lowest 9.99 below lsd, May 28, 1954. Records available: 1941, 1951-52, 1954-59.

Aug. 26, 1941	(j)	May 28, 1954	9.99	May 16, 1956	7.74	May 21, 1958	9.42
May 17, 1951	0.67	Dec. 14, 1955	8.91	May 29, 1957	9.80	Oct. 19, 1959	7.22
June 5, 1952	2.47						

j Flowing.

189. Pipkin Ranch. Lat 29°45', long 94°13'. Drilled stock artesian well in sand, diam 4 to 2 in, depth 327 ft, screened 312-327. MP top of 4-in collar, 1.00 ft above lsd. Highest water level flowing, Aug. 26, 1941; lowest 9.91 below lsd, Oct. 19, 1959. Records available: 1941, 1951-52, 1954-59.

Aug. 26, 1941	(j)	May 28, 1954	9.07	May 16, 1956	6.51	May 21, 1958	8.65
May 17, 1951	3.15	Dec. 14, 1955	7.64	May 29, 1957	9.06	Oct. 19, 1959	9.91
June 5, 1952	7.40						

j Flowing.

235. Nederland Utilities Corp. Nederland. Lat 29°58', long 93°59'. Drilled public-supply artesian well in sand, diam 6 in, depth 510 ft, screened 488-510. Lsd 20.79 ft above msl. MP top of concrete base, 2.00 ft above lsd. Highest water level 14.05 below lsd, May 18, 1950; lowest 21.83 below lsd, May 21, 1958. Records available: 1950-52, 1954-58. No measurement made in 1959.

May 18, 1950	14.05	May 29, 1952	15.64	Dec. 14, 1955	19.37	May 28, 1957	21.02
May 16, 1951	14.58	May 27, 1954	17.49	May 16, 1956	19.21	May 21, 1958	21.83

261. L. J. Gibling. Lat 29°57', long 93°54'. Drilled domestic artesian well in sand, diam 4 in, depth about 1,000 ft. MP top of casing, 1.00 ft above lsd. Highest water level flowing, Mar. 14, 1941; lowest 13.54 below lsd, Oct. 19, 1959. Records available: 1941, 1950-52, 1954, 1957-59. No measurement made in 1953, 1955, or 1956.

Mar. 14, 1941	(j)	May 16, 1951	1.47	May 27, 1954	4.03	May 21, 1958	10.57
May 18, 1950	0.64	May 29, 1952	3.08	May 28, 1957	9.09	Oct. 19, 1959	13.54

j Flowing.

287. Houston Oil Co. Lat 29°43', long 93°52'. Drilled unused artesian well in sand, diam 6 in, depth 1,065 ft. Lsd 4,90 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 22.00 above lsd, 1896; lowest 5.52 below lsd, May 18, 1950. Records available: 1896, 1941, 1950-52, 1954-55, 1957-59. No measurement made in 1956.

1896	+22.00	May 16, 1951	-4.39	Dec. 14, 1955	-3.57	May 21, 1958	-3.48
July 18, 1941	+2.53	May 29, 1952	-3.31	May 29, 1957	-3.24	Oct. 19, 1959	-2.39
May 18, 1950	-5.52	May 27, 1954	-3.98				

### Jim Wells County

193. M. Morales. Lat 27°38', long 98°13'. Dug unused water-table well in sand, diam 42 in, depth 40 ft. MP top of concrete curb, 2.00 ft above lsd. Highest water level 19.09 below lsd, Mar. 3, 1958; lowest 29.05 below lsd, Feb. 8, 1955 (previously reported 29.21 below lsd, Feb. 3, 1953). Records available: 1933, 1935-41, 1943, 1945, 1947-58. Feb. 7, 1956, 23.66; Feb. 12, 1957, 27.16; Mar. 3, 1958, 19.09. No measurement made in 1959.

206. Emilio Barrera. Lat 27°36', long 98°12'. Dug farm artesian well in sand, diam 4 ft, depth 75 ft. MP top of concrete curb, 3.50 ft above lsd. 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, 1947-58. Feb. 7, 1956, 55.69; Feb. 12, 1957, 57.59; Mar. 4, 1958, 53.74. No measurement made in 1959.

242a. King Ranch, Hormigas well. Lat 27°33', long 98°05'. Drilled stock artesian well in sand, diam 6 in, depth 503 ft, casing slotted 443-503. Lsd 156.80 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 119.14 below lsd, May 5, 1955; lowest 126.85 below lsd, July 26, 1957. Records available: 1955-58. No measurement made in 1959. Nearby well 242 measured 1933-34, 1943-55.

## 242a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1955	120.93	Aug. 22, 1955	122.67	May 23, 1956	123.23	Feb. 12, 1957	126.19
Apr. 4	120.77	Jan. 3, 1956	123.85	June 27	123.50	July 26	126.85
May 5	119.14	Feb. 7	124.32	Aug. 24	124.66	Mar. 5, 1958	126.36
June 6	122.19	Apr. 5	123.30	Oct. 16	125.34		

272a. Fidencio de los Santos. Lat 27°23', long 98°13'. Drilled farm artesian well in Goliad sand, diam 4 in, depth 286 ft. MP top of casing, 1.50 ft above lsd. Highest water level 78.91 below lsd, Feb. 15, 1947; lowest 116.76 below lsd, Feb. 12, 1957. Records available: 1947-58. Feb. 7, 1956, 113.70; Feb. 12, 1957, 116.76; Feb. 18, 1958, 111.06. No measurement made in 1959.

292. W. A. Cobb. Lat 27°21', long 98°07'. Drilled unused artesian well in Goliad sand, diam 10 in, depth 524 ft. MP top of valve, 2.50 ft above lsd. Highest water level 42.00 below lsd, Jan. 27, 1933; lowest 118.63 below lsd, Feb. 12, 1957. Records available: 1933, 1943, 1945, 1949-57. Feb. 7, 1956, 117.88; Feb. 12, 1957, 135.60. Measurement discontinued.

392a. B. W. Voght. Lat 27°17', long 98°07'. Drilled irrigation artesian well in Goliad sand, diam 12 in, depth 600 ft. MP top of 1-in nipple, 1.50 ft above lsd. Highest water level 76.53 below lsd, Feb. 17, 1947; lowest 118.63 below lsd, Feb. 12, 1957. Records available: 1947-58. Feb. 7, 1956, 106.95; Feb. 12, 1957, 118.63; Mar. 3, 1958, 104.37. No measurement made in 1959.

429. Clyde Wright. Lat 27°20', long 98°06'. Drilled stock artesian well in Goliad sand, diam 7 in, depth 480 ft. MP top of casing, 0.80 ft above lsd. Highest water level 57.59 below lsd, Feb. 17, 1947; lowest 106.15 below lsd, Feb. 16, 1957. Records available: 1943, 1945-56, 1958. Feb. 7, 1956, 91.96; Mar. 3, 1958, 89.62. Measurement discontinued.

King County

1. Mrs. Mamie Greathouse. Lat 33°48', long 100°18'. Drilled irrigation artesian well in Pease River group of Permian age, diam 16 in, depth 230 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 143.03 below lsd, Jan. 16, 1956; lowest 152.63 below lsd, Jan. 17, 1957. Records available: 1954-58. Jan. 14, 1954, 148.55; Jan. 12, 1955, 147.10; Jan. 16, 1956, 143.03; Jan. 17, 1957, 152.63; Jan. 10, 1958, 143.68. No measurement made in 1959.

2. T. E. Long. Lat 33°49', long 100°18'. Drilled irrigation artesian well in Pease River group of Permian age. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 78.00 below lsd, Jan. 16, 1956; lowest 82.72 below lsd, Jan. 12, 1955. Records available: 1954-58. Jan. 14, 1954, 80.92; Jan. 12, 1955, 82.72; Jan. 16, 1956, 78.00; Jan. 17, 1957, 81.56; Jan. 10, 1958, 82.38. No measurement made in 1959.

Kinney County

XK-5(177). Judge John Fritter. Lat 29°16', long 100°19'. Drilled farm water-table well in limestone, diam 6 in. MP top of iron pipe clamp, 1.20 ft above lsd. Highest water level 14.04 below lsd, July 10, 1958; lowest 43.99 below lsd, Aug. 11, 1953. Records available: 1937-59.

Jan. 10, 1956	26.61	Jan. 10, 1957	34.71	Nov. 5, 1957	18.27	Mar. 18, 1959	14.98
Mar. 13	29.66	Mar. 12	34.63	Jan. 14, 1958	20.22	May 13	17.78
May 9	35.75	May 14	18.15	May 7	17.18	July 14	14.42
July 10	34.09	July 10	16.84	July 10	14.04	Sept. 15	15.81
Sept. 5	35.30	Sept. 10	18.42	Sept. 18	15.09	Nov. 17	15.08
Nov. 13	33.16						

XK-12(101). J. F. Beidler. Lat 29°21', long 100°37'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 618 ft. Lsd 1,105.20 ft above msl. MP top of water pipe clamp, 0.50 ft above lsd. Highest water level 5.37 below lsd, June 24, 1947; lowest 48.87 below lsd, Aug. 26, 1956. Records available: 1937-59.

Jan. 11, 1956	28.39	Jan. 10, 1957	28.42	Jan. 14, 1958	23.64	Jan. 28, 1959	18.72
Mar. 13	34.18	Mar. 13	35.29	Mar. 25	21.22	Mar. 19	18.33
May 9	31.61	May 15	27.03	May 8	26.82	May 13	17.55
July 11	44.52	July 10	26.52	July 10	25.54	Sept. 15	19.40
Aug. 26	48.87	Sept. 10	40.41	Sept. 19	25.15	Nov. 18	16.60
Nov. 14	34.29	Nov. 5	26.37	Nov. 18	a20.90		

a Well being pumped.

XK-17(137). Jimmy Lowrance. Lat 29°19', long 100°25'. Drilled ranch (previously reported unused) artesian well in Edwards limestone, diam 8 in, depth 600 ft. Lsd 1,149.90 ft above msl. MP top of water pipe clamp, 0.40 ft above lsd. Highest water level 46.92 below lsd, July 23, 1940; lowest 54.01 below lsd, Aug. 10, 1953. Records available: 1937-59.

## XK-17(137)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	49.81	Jan. 10, 1957	50.17	Jan. 14, 1958	49.76	Jan. 27, 1959	50.37
Mar. 13	50.81	Mar. 12	50.02	Mar. 25	49.85	Mar. 18	50.12
May 9	50.41	May 14	49.75	May 7	49.66	May 14	49.90
July 11	50.77	July 9	49.72	July 9	49.88	July 14	49.67
Aug. 27	50.28	Sept. 10	49.86	Sept. 19	48.89	Sept. 15	49.08
Nov. 13	50.04	Nov. 5	49.43	Nov. 12	49.70	Nov. 18	49.40

XK-114(62). E. Webb. Lat 29°25', long 100°25'. Drilled farm artesian well in Edwards limestone, diam 6 in. Lsd 1, 255.20 ft above msl. MP top of water pipe clamp, 1.30 ft above lsd. Highest water level 51.44 below lsd, July 15, 1959; lowest 71.79 below lsd, Aug. 11, 1953. Records available: 1937-59.

Jan. 11, 1956	64.99	Jan. 10, 1957	70.49	Jan. 15, 1958	63.88	Jan. 28, 1959	54.79
Mar. 14	67.05	Mar. 13	71.41	Mar. 25	62.33	Mar. 18	56.88
May 9	68.45	May 15	64.89	May 8	60.87	May 13	59.92
July 11	69.85	July 9	60.08	July 9	54.82	July 15	51.44
Aug. 27	69.81	Sept. 11	61.44	Sept. 18	56.47	Sept. 16	53.34
Nov. 14	69.68	Nov. 6	62.83	Nov. 12	53.31	Nov. 17	54.77

XK-180(41). N. P. Petersen. Lat 29°23', long 100°16'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 475 ft. Lsd 1, 319.60 ft above msl. MP top of water pipe clamp, 0.40 ft above lsd. Highest water level 174.64 below lsd, July 12, 1955 (previously reported 174.90 below lsd, July 14, 1954); lowest 183.15 below lsd, July 9, 1957. Records available: 1938-43, 1946-48, 1950-58. Measurement discontinued.

Jan. 11, 1956	175.95	Aug. 28, 1956	181.39	Mar. 12, 1957	178.76	Sept. 10, 1957	180.04
Mar. 14	176.23	Nov. 13	181.12	May 14	178.19	Nov. 5	178.84
May 9	181.19	Jan. 9, 1957	177.25	July 9	183.15	Jan. 14, 1958	180.74
July 10	181.70						

XK-198(120). B. Newman. Formerly Charley Zinsmeister. Lat 29°19', long 100°29'. Dug and drilled irrigation water-table well in limestone, diam 48 to 6 in, depth 157 ft. Lsd 1, 113.70 ft above msl. MP top of timber, 0.80 ft above lsd. Highest water level 21.22 below lsd, Mar. 18, 1959; lowest 54.18 below lsd, Aug. 14, 1951. Records available: 1938-59.

Jan. 11, 1956	38.19	Jan. 10, 1957	45.56	Jan. 14, 1958	38.98	Mar. 18, 1959	21.22
Mar. 13	42.86	Mar. 13	45.74	May 8	35.50	May 14	24.61
May 9	45.13	May 15	39.03	July 9	33.27	July 14	23.87
July 11	45.64	July 10	31.86	Sept. 19	33.51	Sept. 16	23.59
Sept. 6	45.95	Sept. 10	36.70	Nov. 12	23.95	Nov. 18	23.64
Nov. 13	45.35	Nov. 5	38.80				

XK-199(152). E. Webb. Lat 29°19', long 100°24'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 500 ft. Lsd 1, 157.90 ft above msl. MP top of pipe clamp, 0.80 ft above lsd. Highest water level 33.30 below lsd, July 9, 1958; lowest 44.80 below lsd, Apr. 21, 1948. Records available: 1939-59.

Jan. 11, 1956	41.09	Jan. 10, 1957	42.66	Jan. 15, 1958	41.17	Jan. 28, 1959	37.24
Mar. 14	42.05	Mar. 13	42.84	Mar. 25	37.38	Mar. 18	38.40
May 9	42.32	May 15	38.38	May 8	38.42	May 13	39.12
July 11	42.71	July 9	35.71	July 9	33.30	July 15	38.40
Aug. 26	42.87	Sept. 11	40.33	Sept. 18	38.09	Sept. 16	38.21
Nov. 14	42.62	Nov. 6	40.63	Nov. 12	36.40	Nov. 17	38.07

Kleberg County

8. King Ranch, Cola Blanco well. Lat 27°36', long 97°53'. Drilled stock artesian well in Goliad sand, diam 6 in, depth 600 ft. MP top of 5- x 5-in wood pipe clamp, 1.30 ft below lsd. Highest water level 30.17 below lsd, Feb. 5, 1934 (previously reported 29.40 below lsd, Feb. 3, 1934); lowest 145.87 below lsd, Feb. 13, 1957. Records available: 1932, 1934-35, 1943, 1945-58. Feb. 9, 1956, 138.02; Feb. 13, 1957, 145.87; Mar. 3, 1958, 140.92. No measurement made in 1959.

13a. King Ranch, Tamales well. Lat 27°32', long 98°02'. Drilled stock artesian well in Goliad sand, diam 6 in, depth 487 ft, casing slotted 424-487. Lsd 133.70 ft above msl. MP top of 5- x 5-in pipe clamp, 1.50 ft above lsd. Highest water level 44.23 below lsd, Feb. 6, 1934; lowest 129.54 below lsd, Mar. 5, 1958. Records available: 1932-35, 1938-41, 1943-58. No measurement made in 1959. Measurements since 1947 made in replacement well at same site.

Jan. 3, 1956	124.48	May 23, 1956	124.06	Oct. 16, 1956	126.60	July 26, 1957	129.22
Feb. 9	125.13	June 27	123.95	Feb. 13, 1957	128.45	Mar. 5, 1958	129.54
Apr. 5	123.74	Aug. 24	125.85				

15. King Ranch, Puertos well. Lat 27°32', long 97°59'. Drilled stock artesian well in Goliad sand, diam 7 in, depth 570 ft (previously reported 567 ft), slotted 558-570. Lsd 113.39 ft above msl. MP top of pipe clamp, 1.30 ft above lsd. Highest water level 39.59 below lsd, Feb. 6, 1934; lowest 133.15 below lsd, July 26, 1957. Records available: 1932-35, 1938-41, 1943-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	128.62	May 23, 1956	125.46	Oct. 16, 1956	130.45	July 26, 1957	133.15
Feb. 9	129.86	June 27	125.59	Feb. 13, 1957	127.40	Mar. 5, 1958	125.86
Apr. 5	124.00	Aug. 24	131.39				

35. King Ranch, Silo well. Lat 27°29', long 97°54'. Drilled stock artesian well in Goliad sand, diam 7 in, depth 500 ft. MP top of 4- x 6-in pipe clamp, 2.00 ft above lsd. Highest water level 28.78 (previously reported 28.28) below lsd, Feb. 5, 1934; lowest 164.23 below lsd, Feb. 13, 1957. Records available: 1933-35, 1938-41, 1943-47, 1949-58. Feb. 9, 1956, 146.47; Feb. 13, 1957, 164.23; Mar. 3, 1958, 149.22. No measurement made in 1959.

64. King Ranch, Rincon Caesar well. Lat 27°15', long 97°51'. Drilled stock artesian well in Goliad sand, diam 5 to 4 in, depth 700 ft. MP top of casing, 1.00 ft above lsd. Highest water level 1.30 above lsd, February 1934; lowest 34.27 below lsd, Mar. 5, 1958. Records available: 1933-35, 1938-41, 1943-45, 1947-49, 1951-52, 1954, 1956-58. Feb. 10, 1956, 31.12; Feb. 13, 1957, 32.63; Mar. 5, 1958, 34.27. No measurement made in 1959.

374. King Ranch, Palo Marcada well. Lat 27°31', long 97°45'. Drilled stock artesian well in Goliad sand, diam 10 to 7 in, depth 852 ft. Lsd 52.38 ft above msl. MP top of 4- x 6-in pipe clamp, 0.75 ft above lsd. Highest water level 25.62 below lsd, Nov. 10, 1934; lowest 134.60 below lsd, Feb. 13, 1957. Records available: 1933-34, 1943-58. Feb. 10, 1956, 116.60; Feb. 13, 1957, 134.60; Mar. 5, 1958, 122.66. No measurement made in 1959.

380. King Ranch, Telephone well 1. Lat 27°28', long 97°41'. Drilled stock artesian well in Goliad sand, diam 6 to 4 in, depth 950 ft. MP top of wood pipe clamp, 1.10 ft above lsd. Highest water level 11.83 below lsd, Feb. 1, 1938; lowest 61.40 below lsd, Feb. 13, 1957. Records available: 1933-34, 1938, 1940-41, 1943-47, 1949-57. Feb. 10, 1956, 54.39; Feb. 13, 1957, 61.40. No measurement made in 1958 or 1959.

386. King Ranch, Chiltipin well. Lat 27°32', long 97°35'. Drilled stock artesian well in Goliad sand, diam 7 in, depth 945 ft. Lsd 34.79 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 4.48 below lsd, Nov. 10, 1934; lowest 45.66 below lsd, Feb. 13, 1957. Records available: 1933-34, 1943-45, 1947-58. Feb. 9, 1956, 44.55; Feb. 13, 1957, 45.66; Mar. 5, 1958, 42.81. No measurement made in 1959.

#### Knox County

1(J-63). City of Goree well 1. Lat 33°28', long 99°31'. Dug public-supply water-table well in sand of Seymour formation, diam 12 ft, depth 45 ft, cribbed with concrete blocks. MP lower edge of porthole, 0.90 ft below lsd. Highest water level 23.97 below lsd, Jan. 3, 1955; lowest 31.30 below lsd, Jan. 11, 1957. Records available: 1944, 1951-52, 1954-58. No measurement made in 1959.

Mar. 22, 1944	b25.52	Feb. 11, 1952	b31.02	Jan. 3, 1955	23.97	Jan. 11, 1957	31.30
Mar. 1, 1951	b26.82	Jan. 4, 1954	b29.23	Jan. 5, 1956	24.50	Jan. 13, 1958	26.20

b Well pumped recently.

3(J-83). City of Munday well 1. Lat 33°26', long 99°37'. Dug public-supply water-table well in sand of Seymour formation, diam 20 ft, depth 37 ft, cribbed with concrete. MP top of concrete curb, 1.20 ft below lsd. Highest water level 10.50 below lsd, Mar. 1, 1951; lowest 15.48 below lsd, Jan. 13, 1958. Records available: 1951-58. No measurement made in 1959.

Mar. 1, 1951	10.50	Jan. 6, 1953	b16.14	Jan. 3, 1955	15.14	Jan. 11, 1957	a21.45
Feb. 11, 1952	b16.94	Jan. 5, 1954	15.14	Jan. 5, 1956	12.86	Jan. 13, 1958	15.48
	11		12.80				

a Well being pumped.

b Well pumped recently.

4(J-34). Tom Price. Lat 33°29', long 99°33'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 69 ft, casing slotted below 39. MP edge of discharge flange, 1.50 ft above lsd. Highest water level 31.91 below lsd, Feb. 11, 1952; lowest 39.78 below lsd, Dec. 19, 1956. Records available: 1952-58. No measurement made in 1959.

Feb. 11, 1952	31.91	Jan. 5, 1954	34.60	May 25, 1956	36.42	Jan. 11, 1957	38.16
Jan. 6, 1953	32.88	Jan. 3, 1955	35.07	Dec. 19	39.78	Jan. 11, 1958	35.98

6(H-151). Knox City well 1. Lat 33°25', long 99°49'. Dug public-supply water-table well in sand and gravel of Seymour formation, diam 12 ft, depth 38 ft, curbed with concrete. MP top of concrete rim, 2.00 ft above lsd. Highest water level 17.14 below lsd, Mar. 1, 1951; lowest 22.94 below lsd, Jan. 11, 1957. Records available: 1944, 1951-54, 1956-58. No measurement made in 1959.

## 6(H-151)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22, 1944	18.51	Feb. 11, 1952	17.90	Jan. 5, 1954	19.75	Jan. 11, 1957	22.94
Mar. 1, 1951	17.14	Jan. 6, 1953	19.44	Jan. 5, 1956	20.31	Jan. 14, 1958	21.07

10(H-133). C. H. Clarke. Lat 33°25', long 99°44'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 50 ft, casing slotted below 35. MP top of concrete base, 1.50 ft above lsd. Highest water level 24.00 below lsd, Jan. 5, 1954; lowest 30.22 below lsd, Jan. 12, 1958. Records available: 1953-58. Jan. 6, 1953, 24.51; Jan. 5, 1954, 24.00; Jan. 5, 1955, 25.04; Jan. 5, 1956, 26.58; Jan. 11, 1957, 39.34 (well being pumped); Jan. 12, 1958, 30.22. No measurement made in 1959.

24(F-13). A. E. Boyd. Lat 33°37', long 99°30'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 30 ft. MP top of casing, 1.00 ft above lsd. Highest water level 23.73 below lsd, Jan. 5, 1956; lowest 26.67 below lsd, Jan. 12, 1957. Records available: 1956-58. Jan. 5, 1956, 23.73; Dec. 20, 1958, 26.38; Jan. 12, 1957, 26.67; Jan. 12, 1958, 24.71. No measurement made in 1959.

18(H-26). City of Benjamin. Lat 33°29', long 99°43'. Drilled public-supply water-table well in sand and gravel of Seymour formation, diam 12 in, depth 45 ft, casing slotted. MP end of special measuring pipe, 1.50 ft above lsd. Highest water level 15.28 below lsd, Jan. 5, 1955; lowest 23.41 below lsd, Jan. 11, 1957. Records available: 1955-58. Jan. 5, 1955, 15.28; Jan. 5, 1956, 17.91; Jan. 11, 1957, 23.41; Jan. 11, 1958, 21.37. No measurement made in 1959.

17(H-110). A. C. Tackitt. Lat 33°26', long 99°42'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 59 ft, casing slotted below 44. MP hole in pumpbase, 1.70 ft above lsd. Highest water level 32.37 below lsd, Jan. 5, 1955; lowest 37.38 below lsd, Feb. 6, 1959. Records available: 1955-56, 1958-59. Jan. 5, 1955, 32.37; Jan. 5, 1956, 33.61; May 4, 35.13; Dec. 12, 35.28; Jan. 13, 1958, 36.68; Feb. 6, 1959, 37.38. No measurement made in 1957.

22(H-116). R. M. Myer. Lat 33°26', long 99°40'. Drilled irrigation water-table well in sand and gravel of Seymour formation, diam 14 in, depth 50 ft, casing slotted below 33. MP top of casing, 1.00 ft above lsd. Highest water level 21.80 below lsd, Mar. 1, 1956; lowest 27.90 below lsd, Dec. 13, 1956. Records available: 1955-56, 1958-59. Jan. 5, 1955, 21.85; Jan. 5, 1956, 22.50; Mar. 1, 21.80; Dec. 13, 27.90; Jan. 12, 1958, 24.30; Feb. 6, 1959, 24.67. No measurement made in 1957.

Lamb County

1(A-4). H. H. Engleking. Lat 34°18', long 102°36'. Drilled irrigation water-table well in sand, diam 15 in, depth 128 ft. MP top of pumpbase, 0.80 ft above lsd. Highest water level 66.48 below lsd, Feb. 19, 1945; lowest 98.79 below lsd, Jan. 24, 1958. Records available: 1936-47, 1949-59. Jan. 12, 1956, 90.11; Jan. 12, 1957, 93.65; Jan. 24, 1958, 98.79; Jan. 7, 1959, 100.54 (nearby well being pumped).

38(B-75). Andrew Dutton. Lat 34°15', long 102°29'. Drilled irrigation water-table well in sand, diam 15 to 10 in, depth 149 ft, cased 57-147, perforated. MP hole in pumpbase, 0.75 ft above lsd. Highest water level 33.78 below lsd, Feb. 11, 1943; lowest 64.52 below lsd, Jan. 7, 1959. Records available: 1936-38, 1943-59. Jan. 12, 1956, 56.97; Jan. 12, 1957, 60.01; Jan. 23, 1958, 62.79; Jan. 7, 1959, 64.52.

60(C-119). S. A. Davis. Lat 34°14', long 102°18'. Drilled irrigation water-table well in sand, diam 15 in, depth 220 ft, casing slotted 70-220. MP top of pumpbase, 2.03 ft above lsd (since Jan. 12, 1957). Highest water level 66.80 below lsd, Feb. 4, 1943; lowest 105.83 below lsd, Jan. 23, 1958. Records available: 1937-50, 1952-59. Jan. 9, 1956, 93.85; Jan. 12, 1957, 98.25; Jan. 23, 1958, 105.83; Jan. 7, 1959, 102.87.

71(H-30). A. S. Nafzger. Lat 34°08', long 102°07'. Drilled irrigation water-table well in sand, diam 16 to 14 in, depth 170 ft, cased to 170. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 59.58 below lsd, Feb. 8, 1944; lowest 90.67 below lsd, Jan. 8, 1959. Records available: 1937, 1942-45, 1947-59. Jan. 9, 1956, 82.60; Jan. 10, 1957, 89.73; Jan. 23, 1958, 90.43; Jan. 8, 1959, 90.67.

88(F-13). Halsell Cattle Co. Lat 34°06', long 102°25' (previously reported 101°25'). Drilled stock water-table well in sand, diam 4 in, depth 42 ft. Lsd 3,649.60 ft above msl. MP top of casing, at lsd. Highest water level 32.61 below lsd, Mar. 14, 1942; lowest 46.17 below lsd, Jan. 11, 1957. Records available: 1937-42, 1944-55, 1957-59. Jan. 11, 1957, 46.17; Jan. 20, 1958, 44.36; Jan. 8, 1959, 44.45. No measurement made in 1956.

231(E-34). Vincent Peterman. Lat 34°06', long 102°35'. Drilled domestic water-table well in sand, diam 4 in, depth 136 ft. MP top of casing, 1.00 ft above lsd. Highest water level 92.61 below lsd, Feb. 17, 1950; lowest 109.59 below lsd, Jan. 21, 1958. Records available: 1937-42, 1944, 1946-59. Jan. 11, 1956, 101.03; Jan. 11, 1957, 104.60; Jan. 21, 1958, 109.59; Jan. 8, 1959, 109.38.

243(K-65). Les Barker. Lat 33°56', long 102°21'. Drilled irrigation water-table well in sand, diam 14 in, depth 130 ft, cased to 20. MP top of 4- x 4-in pipe clamp, 1.10 ft above lsd. Highest water level 74.00 below lsd, Feb. 10, 1948; lowest 82.47 below lsd, Jan. 5, 1955. Records available: 1937-48, 1950-55, 1957-59. Jan. 11, 1957, 80.13; Jan. 22, 1958, 81.68; Jan. 8, 1959, 80.37. No measurement made in 1956.

341a(L-197). Yellow House Land Co. Lat 33°52', long 102°14'. Drilled irrigation water-table well in sand. MP hole in pumpbase, 0.90 ft above lsd. Highest water level 37.84 below lsd, Jan. 29, 1944; lowest 86.99 below lsd, Jan. 21, 1958. Records available: 1937-53, 1955-58. Jan. 11, 1956, 76.07; Jan. 10, 1957, 81.71; Jan. 21, 1958, 86.99. Measurement discontinued.

B-166. Southwestern Public Service Co. Lat 34°10', long 102°24'. Drilled observation water-table well in sand, diam 10 in, depth 202 ft, cased to 202, slotted 99-202. Lsd 3,662.00 ft above msl. MP top of concrete base, 0.90 ft above lsd. Highest water level 27.59 below lsd, Aug. 4-9, 1951; lowest 37.94 below lsd, Dec. 31, 1959. Records available: 1951-59. Recorder installed Jan. 10, 1951.

Highest water level for the day, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	28.13	28.12	27.97	27.91	27.80	27.65	27.59	27.65	27.80	27.91	27.95
10	28.17	28.15	28.09	27.98	27.91	27.80	27.62	27.60	27.67	27.85	27.93	28.00
15	28.15	28.22	28.07	27.96	27.90	27.78	27.62	27.61	27.69	27.86	27.93	28.02
20	28.15	28.19	28.06	27.94	27.90	27.75	27.61	27.62	27.69	27.86	27.95	27.98
25	28.15	28.15	28.04	27.93	27.90	27.69	27.61	27.63	27.72	27.90	27.96	28.02
Eom	28.15	28.14	28.00	27.91	27.85	27.67	27.60	27.63	27.76	27.91	27.98	28.00

1952

5	28.04	28.10	28.12	28.20	28.22	28.33	28.75	29.06	29.26	29.41	29.58	.....
10	28.10	28.10	28.10	28.20	28.24	28.36	28.82	29.08	29.28	29.43	29.60	29.81
15	28.06	28.10	28.15	28.19	28.22	28.42	28.87	29.11	29.30	29.44	29.64	29.82
20	28.06	28.10	28.11	28.19	28.25	28.52	28.92	29.14	29.33	29.46	29.66	29.84
25	28.06	28.12	28.15	28.20	28.28	28.59	28.99	29.16	29.36	29.48	29.69	29.86
Eom	28.08	28.10	28.16	28.21	28.30	28.67	29.04	29.21	29.38	29.54	.....	29.88

1953

5	29.90	29.95	30.13	30.33	30.53	30.79	31.20	31.49	31.53	31.53	31.75	31.85
10	29.91	29.98	30.15	30.37	30.56	30.85	31.26	31.51	31.51	31.57	31.78	31.88
15	29.90	30.01	30.19	30.39	30.58	30.91	31.36	31.53	31.50	31.59	31.80	31.90
20	29.90	30.05	30.23	30.43	30.63	30.98	31.43	31.53	31.49	31.63	31.81	31.77
25	29.90	30.08	30.27	30.46	30.68	31.06	31.47	31.53	31.50	31.66	31.85	31.73
Eom	29.94	30.09	30.30	30.49	30.74	31.12	31.50	31.55	31.50	31.71	31.85	31.75

1954

5	31.80	31.92	32.08	32.34	32.35	.....	.....	.....	33.42	33.64	33.70	33.69
10	31.80	31.91	32.12	32.39	32.42	.....	.....	.....	33.48	33.67	33.68	33.74
15	31.88	31.91	32.17	32.42	32.47	.....	.....	33.21	33.52	33.69	33.64	33.78
20	31.89	31.94	32.20	32.44	32.49	.....	.....	33.25	33.55	33.70	33.60	33.83
25	31.90	32.00	32.25	32.42	32.53	.....	.....	33.31	33.58	33.71	33.53	33.88
Eom	31.91	32.02	32.30	32.38	.....	.....	.....	33.36	33.60	33.72	33.62	33.89

1955

5	33.89	33.90	33.94	34.11	34.25	34.13	34.30	34.34	34.47	34.41	34.58	34.52
10	33.89	33.92	33.95	34.15	34.25	34.15	34.34	34.32	34.51	34.42	34.55	34.50
15	33.89	33.93	33.96	34.15	34.25	34.99	34.37	34.33	34.53	34.43	34.59	34.50
20	33.89	33.93	33.98	34.17	34.22	34.24	34.38	34.40	34.51	34.45	34.59	34.45
25	33.91	33.93	34.02	34.19	34.14	34.27	34.38	34.40	34.45	34.53	34.55	34.44
Eom	33.90	33.93	34.08	34.23	34.11	34.28	34.36	34.43	34.42	34.58	34.53	34.45

1956

5	34.45	.....	.....	.....	.....	.....	.....	.....	34.28	34.50	34.64	34.90
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.55	34.69	34.92
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.59	34.75	34.94
20	.....	.....	.....	.....	.....	.....	.....	34.23	34.34	34.58	34.81	34.95
25	.....	.....	.....	.....	.....	.....	.....	34.24	34.41	34.58	34.85	34.97
Eom	.....	.....	.....	.....	.....	.....	.....	34.26	.....	34.60	34.87	34.99

B-166--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.06	35.15	35.22	35.35	35.43	35.48	35.58	35.57	35.48	.....	35.82	35.89
10	35.06	35.17	35.23	35.36	35.44	35.49	35.61	35.51	35.48	.....	35.82	35.91
15	35.05	35.19	35.25	35.37	35.46	35.52	35.63	35.47	35.51	.....	35.82	35.91
20	35.05	35.19	35.28	35.38	35.46	35.53	35.63	35.46	.....	.....	35.83	35.91
25	35.09	35.21	35.31	35.39	35.46	35.56	35.64	35.45	.....	.....	35.85	35.92
Eom	35.12	35.21	35.33	35.41	35.48	35.57	35.60	35.48	.....	35.82	35.86	35.94
1958												
5	35.98	36.34	36.57	36.75	36.89	37.00	36.96	36.79	36.40	36.31	36.45	36.63
10	36.04	36.39	36.60	36.76	36.90	37.00	36.92	36.69	36.43	36.31	36.51	36.67
15	36.10	36.44	36.64	36.79	36.93	36.99	36.91	36.64	36.38	36.34	36.54	36.70
20	36.15	36.47	36.66	36.81	36.93	36.97	36.94	36.60	36.34	36.37	36.50	36.73
25	36.22	36.51	36.70	36.84	36.95	36.96	36.91	36.57	36.34	36.40	36.51	36.77
Eom	36.30	36.54	36.74	36.86	36.98	36.98	36.83	36.54	36.34	36.43	36.62	36.81
1959												
5	36.84	37.08	37.24	37.35	37.45	37.49	37.55	37.61	37.66	37.68	37.71	37.82
10	36.87	37.10	37.26	37.36	37.45	37.51	37.54	37.60	37.68	37.63	37.73	37.83
15	36.90	37.14	37.28	37.38	37.47	37.54	37.54	37.56	37.68	37.62	37.74	37.85
20	36.95	37.16	37.30	37.40	37.47	37.56	37.60	37.58	37.70	37.63	37.75	37.87
25	36.99	37.20	37.30	37.43	37.48	37.58	37.59	37.58	37.74	37.70	37.77	37.89
Eom	37.04	37.20	37.32	37.44	37.49	37.57	37.58	37.63	37.75	37.70	37.80	37.94

Liberty County

20. M. A. Ellis. Lat 30°24', long 95°00'. Drilled irrigation artesian well in sand, diam 18 to 12 in, depth 226 ft, casing slotted opposite sands below 57. MP top of casing, 2.00 ft above lsd. Highest water level 25.38 below lsd, Apr. 16, 1951; lowest 43.69 below lsd, Oct. 16, 1956. Records available: 1943, 1948-53, 1955-58. Apr. 3, 1956, 30.23; Oct. 16, 43.69; Apr. 10, 1957, 31.00; Oct. 29, 32.29; Oct. 20, 1958, 32.32. No measurement made in 1959.

77. W. A. Conner. Lat 30°07', long 94°55'. Drilled irrigation artesian well in sand, diam 20 to 12 in, depth 742 ft, casing slotted opposite sands below 150. MP top of casing, 2.00 ft above lsd. Highest water level 48.33 below lsd, Apr. 19, 1945; lowest 100.61 below lsd, Oct. 6, 1952. Records available: 1945, 1948-58. Apr. 3, 1956, 63.98; Oct. 15, 76.24; Apr. 10, 1957, 68.98; Oct. 28, 78.52; Apr. 8, 1958, 64.91; Oct. 27, 76.22. No measurement made in 1959.

125. Humble Pipe Line Co. Lat 30°00', long 94°53'. Drilled unused artesian well in sand, diam 6 in, depth 400 ft. MP top of 6-in tee, 1.00 ft above lsd. Highest water level 49.46 below lsd, Jan. 27, 1945; lowest 82.80 below lsd, Apr. 10, 1957. Records available: 1945, 1948-54, 1956-58. Apr. 3, 1956, 80.14; Apr. 10, 1957, 82.80; Apr. 8, 1958, 80.66. Measurement discontinued.

173. Hamill & Smith. Lat 30°05', long 94°38'. Drilled industrial artesian well in sand, diam 5 in, depth 255 ft, screened 228-255. MP top of reducer, 3.40 ft above lsd. Highest water level 17.0 below lsd, 1938; lowest 80.70 below lsd, Oct. 16, 1956. Records available: 1938, 1948-58. Apr. 3, 1956, 40.71; Oct. 16, 80.70; Apr. 4, 1957, 47.69; Oct. 29, 77.33; Apr. 9, 1958, 46.87; Oct. 20, 74.83. No measurement made in 1959.

179. City of Liberty well 3. Lat 30°03', long 94°47'. Drilled public-supply artesian well in sand, diam 13 to 7 in, depth 565 ft, screened 445-562. MP top of 2½-in collar, 1.60 ft above lsd. Highest water level 0.58 above lsd, Nov. 26, 1943; lowest 64.86 below lsd, Oct. 16, 1956. Records available: 1943-44, 1948-58. Apr. 3, 1956, 53.80; Oct. 16, 64.86; Apr. 10, 1957, 55.43; Oct. 29, 58.41; Apr. 9, 1958, 51.04; Oct. 27, 59.67. No measurement made in 1959.

237. Sinclair Pipe Line Co. Lat 30°01', long 94°30'. Drilled domestic artesian well in sand, diam 8 to 6 in, depth 492 ft, screened 429-492. MP top of 1-in air line, 1.80 ft above lsd. Highest water level 11.92 below lsd, June 20, 1945; lowest 31.64 below lsd, Oct. 16, 1956. Records available: 1945, 1948-58. Apr. 4, 1956, 28.64; Oct. 16, 31.64; Apr. 4, 1957, 29.87; Oct. 29, 31.18; Apr. 9, 1958, 29.10; Oct. 20, 30.83. No measurement made in 1959.

Lubbock County

81. J. E. Vickers. Lat 33°39', long 101°50'. Drilled irrigation water-table well in sand, depth 160 ft. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 39.78 below lsd, Dec. 27, 1941; lowest 65.78 below lsd, Jan. 16, 1959. Records available: 1936-50, 1952-59. Jan. 16, 1956, 59.32; Jan. 17, 1957, 62.32; Jan. 13, 1958, 64.09; Jan. 16, 1959, 65.78.

99. R. B. Gray. Lat 33°43', long 102°04'. Drilled irrigation water-table well in sand, diam 19 in, depth 108 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 20.66 below lsd, Feb. 1, 1943; lowest 58.80 below lsd, Jan. 15, 1959. Records available: 1937-38, 1940, 1942-59. Jan. 13, 1956, 45.86; Jan. 11, 1957, 55.02; Jan. 14, 1958, 53.52; Jan. 15, 1959, 58.80.

121. E. W. Brown. Lat 33°35', long 101°58'. Drilled irrigation water-table well in sand, diam 14 in, depth 208 ft, cased to 208. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 72.70 below lsd, Feb. 18, 1943; lowest 127.34 below lsd, Jan. 16, 1959. Records available: 1937-45, 1947-52, 1954-59. Jan. 9, 1956, 119.61; Jan. 7, 1957, 124.67; Jan. 17, 1958, 127.16; Jan. 16, 1959, 127.34.

139. J. W. Ellis. Lat 33°38', long 101°56'. Drilled irrigation water-table well in sand, diam 18 in, depth 120 ft. Lsd 3, 251.20 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 21.43 below lsd, Dec. 18, 1942, Feb. 21, 1943; lowest 55.44 below lsd, Jan. 7, 1957. Records available: 1937-59. Jan. 16, 1956, 51.91; Jan. 7, 1957, 55.44; Jan. 21, 1958, 53.87; Jan. 16, 1959, 55.31.

188. State Experiment Station No. 8. Lat 33°35', long 101°47'. Drilled irrigation water-table well in sand, diam 12 in, depth 185 ft, cased to 124, slotted 74-124. MP hole in pump, 1.38 ft above lsd. Highest water level 74.29 below lsd, Mar. 1, 1945; lowest 94.90 below lsd, Jan. 14, 1955. Records available: 1937-42, 1944-59. Jan. 19, 1956, 90.12; Jan. 18, 1957, 92.33; Jan. 22, 1958, 92.63; Jan. 9, 1959, 93.84.

355. J. A. Medlock. Lat 33°29', long 102°03'. Drilled irrigation water-table well in sand, diam 15 to 10 in, depth 188 ft, cased 15-in 0-140, 10-in 138-188, slotted 90-188. Lsd 3, 319.20 ft above msl. MP hole in pump, 1.00 ft above lsd. Highest water level 82.03 below lsd, Feb. 27, 1945; lowest 112.30 below lsd, Jan. 17, 1958. Records available: 1937-52, 1954-59. Jan. 10, 1956, 107.52; Jan. 9, 1957, 111.74; Jan. 17, 1958, 112.30; Jan. 16, 1959, 110.80.

839. Plez McMurién. Lat 33°27', long 101°52'. Drilled irrigation water-table well in sand, diam 15 in, depth 150 ft. MP hole in pumpbase, 0.80 ft above lsd. Highest water level 77.68 below lsd, Feb. 16, 1943; lowest 109.73 below lsd, Jan. 16, 1958. Records available: 1942-43, 1945, 1947-59. Jan. 10, 1956, 106.73; Jan. 9, 1957, 109.34; Jan. 16, 1958, 109.73; Jan. 19, 1959, 109.60.

Lynn County

701(H-18). E. E. Fagg. Lat 33°00', long 101°48'. Drilled farm water-table well in sand, diam 6 in, depth 72 ft. MP top of wood cover, 0.30 ft above lsd. Highest water level 62.72 below lsd, Feb. 2, 1952 (previously reported 63.35 below lsd, Mar. 30, 1949); lowest 66.80 below lsd, Jan. 8, 1959. Records available: 1937-39, 1942-44, 1949-52, 1957-59. Jan. 17, 1957, 63.86; Jan. 24, 1958, 65.74; Jan. 8, 1959, 66.80.

703(H-14). Levi Gray. Lat 33°00', long 101°48'. Drilled farm water-table well in sand, diam 6 in, depth 75 ft. MP top of concrete curb, 0.70 ft above lsd. Highest water level 61.00 below lsd, Jan. 24, 1958; lowest 64.38 below lsd, July 12, 1937. Records available: 1937-40, 1949-52, 1957-59. Jan. 17, 1957, 61.33; Jan. 24, 1958, 61.00; Jan. 8, 1959, 61.17.

706(H-5). C. A. McAuley. Lat 33°02', long 101°47'. Dug farm water-table well in sand, diam 36 in. MP top of brick curb, 2.50 ft above lsd. Highest water level 8.72 below lsd, Jan. 24, 1958; lowest 18.00 below lsd, Feb. 2, 1952. Records available: 1937-38, 1949-53, 1957-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 12, 1937	9.42	Mar. 30, 1949	12.11	Feb. 7, 1951	15.66	Jan. 17, 1957	13.32
Aug. 7	11.24	Feb. 19, 1950	15.93	Feb. 2, 1952	18.00	Jan. 24, 1958	8.72
Sept. 28	9.95	May 17	17.90	Jan. 16, 1953	16.90	Jan. 8, 1959	10.94
Jan. 20, 1938	15.05						



711(E-25). Carl Griffin. Lat 33°06', long 101°48'. Dug farm water-table well in sand, diam 36 in, depth 24 ft. MP top of concrete curb, 1.80 ft above lsd. Highest water level 7.20 below lsd, Sept. 23, 1937; lowest 18.83 below lsd, Mar. 30, 1949. Records available: 1937-38, 1949-53, 1957-59. Jan. 17, 1957, 17.53; Jan. 24, 1958, 13.40; Jan. 8, 1959, 16.24.

806(H-31). Parker. Lat 32°58', long 101°50'. Drilled unused water-table well in sand, diam 6 in, depth 77 ft. MP top of pipe clamp, 0.50 ft above lsd. Highest water level 32.24 below lsd, Mar. 1, 1940; lowest 39.16 below lsd, July 15, 1937. Records available: 1937-40, 1942-44, 1958-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 15, 1937	39.16	Apr. 29, 1938	38.68	Aug. 2, 1940	34.40	Feb. 24, 1944	35.81
Aug. 7	39.06	Jan. 23, 1939	38.52	Aug. 6, 1942	33.00	Jan. 24, 1958	36.88
Sept. 24	39.04	Aug. 10	35.63	Feb. 16, 1943	33.30	Jan. 8, 1959	37.80
Jan. 20, 1938	38.75	Mar. 1, 1940	32.24				

### Matagorda County

22. B. W. Trull. Lat 28°53', long 96°16'. Drilled unused artesian well in sand, diam 24 to 10 in, depth 421 ft. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 11.40 below lsd, Apr. 21, 1943; lowest 27.65 below lsd, Mar. 28, 1957. Records available: 1943, 1951-54, 1956-59.

Apr. 21, 1943	11.40	Mar. 19, 1953	20.23	Mar. 22, 1956	25.60	Apr. 3, 1958	26.58
Apr. 5, 1951	17.32	Mar. 24, 1954	23.27	Mar. 28, 1957	27.65	Apr. 6, 1959	21.13
Mar. 27, 1952	18.30						

33. H. C. Mozley. Formerly Turtle Bay School. Lat 28°43', long 96°17'. Drilled unused artesian well in Lissie formation, diam 2 in, depth 361 ft. MP hole in side of 2-in tee, 0.50 ft above lsd. Highest water level 1.99 above lsd, May 4, 1938; lowest 45.40 below lsd, Mar. 27, 1957. Records available: 1938-46, 1948-59. Mar. 22, 1956, 36.80; Mar. 27, 1957, 45.40; Apr. 3, 1958, 20.63; Apr. 7, 1959, 21.27.

40. City of Palacios. Lat 28°42', long 96°12'. Drilled unused artesian well in Lissie formation, diam 12 in, depth 590 ft. MP top of flange, 0.50 ft above lsd. Highest water level 4.53 above lsd, May 3, 1938; lowest 33.15 below lsd, Mar. 27, 1957. Records available: 1934, 1938-46, 1948-59. Mar. 22, 1956, 28.04; Mar. 27, 1957, 33.15; Apr. 3, 1958, 30.85; Apr. 7, 1959, 31.94.

144. Gulf, Colorado & Santa Fe Ry. Co. Lat 28°50', long 95°56'. Drilled railroad artesian well in sand, diam 4 in, depth 557 ft, screened 524-557. MP top of elbow, 1.00 ft above lsd. Highest water level flowing, Sept. 11, 1934; lowest 24.30 below lsd, Apr. 7, 1959. Records available: 1934, 1951-59.

Sept. 11, 1934	(j)	Mar. 18, 1953	16.68	Mar. 28, 1956	23.90	Apr. 2, 1958	21.78
Apr. 10, 1951	11.69	Mar. 25, 1954	19.06	Mar. 27, 1957	22.78	Apr. 7, 1959	24.30
Mar. 28, 1952	15.15	Mar. 24, 1955	20.86				

j Flowing.

171. Texas Gulf Sulphur Co. Lat 28°44', long 95°53'. Drilled unused artesian well in sand, diam 16 in, depth 515 ft. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 6.61 below lsd, Mar. 28, 1952; lowest 13.75 below lsd, Mar. 27, 1957. Records available: 1951-59.

Apr. 10, 1951	7.91	Mar. 25, 1954	8.80	Mar. 28, 1956	12.93	Apr. 2, 1958	12.88
Mar. 28, 1952	6.61	Mar. 24, 1955	10.48	Mar. 27, 1957	13.75	Apr. 7, 1959	13.05
Mar. 18, 1953	8.15						

c Nearby well being pumped.

193. Tom Sloam. Lat 28°46', long 96°16'. Drilled unused artesian well in sand, diam 24 in, depth 460 ft. MP top of casing, 1.00 ft above lsd. Highest water level 7.00 below lsd, Apr. 22, 1943; lowest 14.39 below lsd, Mar. 27, 1957. Records available: 1943, 1951-55, 1957-59. No measurement made in 1956.

Apr. 22, 1943	7.00	Mar. 19, 1953	12.64	Mar. 23, 1955	12.70	Apr. 3, 1958	13.01
Apr. 5, 1951	13.75	Mar. 24, 1954	11.65	Mar. 27, 1957	14.39	Apr. 6, 1959	10.63
Mar. 27, 1952	12.39						

200. Collins Bros. Lat 28°58', long 96°14'. Drilled irrigation artesian well in sand, diam 24 to 18 in, depth 634 ft. MP top of casing, 1.50 ft above lsd. Highest water level 8.00 below lsd, Apr. 19, 1947; lowest 17.77 below lsd, Apr. 6, 1959. Records available: 1947, 1951-56, 1958-59. No measurement made in 1957.

200--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1947	8.00	Mar. 18, 1953	14.46	Mar. 23, 1955	17.13	Apr. 3, 1958	15.72
Apr. 5, 1951	13.97	Mar. 24, 1954	15.36	Mar. 22, 1956	14.96	Apr. 6, 1959	17.77
Mar. 27, 1952	15.67						

c Nearby well being pumped.

206. Clarence Mehrens. Lat 28°56', long 96°13'. Drilled irrigation artesian well in sand, diam 14 in, depth 510 ft. MP top of casing, 1.00 ft below lsd. Highest water level 6.00 below lsd, Apr. 19, 1947; lowest 37.72 below lsd, Mar. 24, 1954. Records available: 1947, 1951-59.

Apr. 19, 1947	6.00	Mar. 19, 1953	31.34	Mar. 22, 1956	31.29	Apr. 3, 1958	26.28
Apr. 5, 1951	29.10	Mar. 24, 1954	37.72	Mar. 28, 1957	33.13	Apr. 6, 1959	24.84
Mar. 27, 1952	28.79	Mar. 23, 1955	30.06				

227. Jack Holsworth. Lat 28°44', long 96°09'. Drilled irrigation artesian well in sand, diam 18 to 12 in, depth 770 ft. MP hole in casing, at lsd. Highest water level 9.29 below lsd, Apr. 4, 1951; lowest 37.10 below lsd, Mar. 27, 1957. Records available: 1951-53, 1955-59.

Apr. 4, 1951	9.29	Mar. 19, 1953	17.17	Mar. 28, 1956	28.13	Apr. 3, 1958	30.17
Mar. 27, 1952	13.32	Mar. 23, 1955	27.76	Mar. 27, 1957	37.10	Apr. 7, 1959	31.20

259. W. S. Gillette. Lat 28°42', long 96°03'. Drilled irrigation artesian well in sand, diam 14 in, depth 490± ft, casing slotted opposite sands below 350. MP top of pumpbase, 1.50 ft above lsd. Highest water level 12.38 below lsd, Mar. 28, 1956; lowest 16.95 below lsd, July 18, 1955. Records available: 1955-59. July 18, 1955, 16.95; Mar. 28, 1956, 12.38; Mar. 27, 1957, 14.57; Apr. 3, 1958, 13.99; Apr. 7, 1959, 13.82.

Maverick County

M3-6. M. Rambie. Lat 28°55', long 100°06'. Drilled irrigation water-table well in Carrizo sand, diam 10 in, depth 100 ft. MP top of concrete base, 3.00 ft above lsd. Highest water level 48.58 below lsd, Sept. 16, 1948; lowest 52.85 below lsd, July 12, 1957. Records available: 1948-49, 1952-58. No measurement made in 1959.

Sept. 16, 1948	48.58	Sept. 11, 1953	51.70	Sept. 22, 1955	50.70	July 12, 1957	52.85
Aug. 10, 1949	48.71	Oct. 4, 1954	50.33	Sept. 18, 1956	52.06	July 8, 1958	52.10
Aug. 22, 1952	b58.50						

b Well pumped recently.

M3-7a. M. Rambie. Lat 28°55', long 100°06'. Drilled farm artesian well in Carrizo sand, diam 5 in, depth 50 ft. MP top of casing, at lsd. Highest water level 42.37 below lsd, July 12, 1946; lowest 48.22 below lsd, Aug. 22, 1952. Records available: 1946-56, 1958. Sept. 18, 1956, 47.93; July 8, 1958, 48.10. No measurement made in 1957 or 1959.

Medina County

C-9-53. Emil Britch. Lat 29°09', long 99°08'. Drilled unused water-table well in Edwards limestone, diam 5 in, depth 247 ft, cased to 100. Lsd 1,022.10 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 183.75 below lsd, Mar. 4, 1959; lowest 246.8 below lsd, July 31, 1956. Records available: 1950, 1952, 1954-59. Mar. 7, 1950, 187.7; Oct. 30, 215.2; Sept. 4, 1952, 224.7. Recorder installed May 13, 1954.

## Highest water level for the day, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	232.3	232.9	232.0	232.9	233.4	.....	234.9
10	.....	.....	.....	.....	.....	232.4	232.9	231.9	233.2	233.5	.....	235.0
15	.....	.....	.....	.....	231.6	232.5	232.9	232.1	233.4	233.7	.....	235.2
20	.....	.....	.....	.....	231.7	232.6	233.1	232.2	233.7	233.8	.....	235.4
25	.....	.....	.....	.....	231.8	232.7	233.3	232.4	233.8	233.9	.....	.....
Eom	.....	.....	.....	.....	232.2	232.8	233.4	232.7	233.3	.....	234.9	.....
1955												
5	235.6	236.4	237.1	238.0	238.7	238.8	239.5	240.3	240.9	241.6	242.4	243.1
10	235.8	236.6	237.2	238.1	238.7	238.9	239.6	240.4	241.1	241.7	242.5	243.2
15	235.9	236.6	237.3	238.2	238.5	239.0	239.7	240.5	241.2	241.9	242.7	243.3
20	236.0	236.8	237.5	238.3	238.5	239.1	239.8	240.6	241.3	242.0	242.7	243.5
25	236.1	236.9	237.7	238.4	238.5	239.2	240.0	240.9	241.4	242.2	242.8	243.6
Eom	236.2	237.0	237.7	238.6	238.6	239.4	240.1	240.9	241.5	242.3	242.9	243.7

C-9-53--Continued.

1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	243.8	.....	244.9	245.5	246.1	246.6	.....	.....	.....	.....	.....	.....
10	243.9	244.4	245.0	245.6	246.2	.....	.....	.....	.....	.....	.....	.....
15	244.1	244.4	245.1	245.7	246.2	.....	.....	.....	.....	.....	.....	.....
20	244.2	244.5	245.2	245.8	246.3	.....	.....	.....	.....	.....	.....	.....
25	244.3	244.6	245.3	245.9	246.5	.....	.....	.....	.....	.....	.....	.....
Eom	244.3	244.7	245.4	246.1	246.6	.....	h246.8	.....	.....	.....	.....	.....

1957

5	.....	.....	.....	.....	.....	.....	e237.4	.....	.....	.....	.....	228.1
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	e235.5	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	229.4	.....
Eom	h245.8	.....	.....	.....	243.9	.....	.....	e237.1	.....	.....	228.5	.....

1958

5	.....	h215.0	209.2	e200.2	197.7	197.8	198.9	200.3	201.8	199.7	193.7	.....
10	.....	215.1	208.0	199.6	197.4	197.8	199.3	200.6	202.1	198.7	191.9	.....
15	.....	214.3	206.6	199.0	197.5	198.0	199.4	200.8	202.3	198.1	190.0	.....
20	.....	213.3	205.4	198.4	197.4	198.3	199.6	201.1	201.8	197.4	188.7	185.1
25	.....	211.3	e203.9	197.8	197.3	198.4	199.9	201.3	200.6	197.1	187.5	184.9
Eom	.....	210.7	e202.0	197.8	197.5	198.8	200.1	201.6	200.4	195.6	186.9	184.7

1959

5	184.8	184.0	184.0	184.3	184.5	185.3	186.1	186.7	187.6	187.3	186.4	186.5
10	184.6	184.1	183.9	184.5	184.6	185.4	186.2	186.9	187.8	186.6	186.5	186.6
15	184.2	184.3	184.1	184.6	185.0	185.6	186.3	187.0	187.7	186.5	186.5	186.4
20	183.9	184.3	183.9	184.4	184.9	185.7	186.4	187.2	188.0	186.4	186.4	186.9
25	184.2	184.0	184.0	184.6	185.1	185.8	186.5	187.3	188.1	186.2	186.3	186.8
Eom	184.3	184.1	184.1	184.6	185.2	186.0	186.7	187.5	188.2	186.5	186.6	186.7

e Estimated.

h Tape measurement.

I-2-7(I-2-16). Alfred Schlientz. Lat 29°27', long 99°11'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 400 ft. Lsd 1,021.70 ft above msl (previously reported 971.93 above msl). MP top of water pipe clamp, 0.80 ft above lsd. Highest water level 168.82 below lsd, July 8, 1937; lowest 283.09 below lsd, Mar. 11, 1957. Records available: 1930, 1934, 1937-45, 1947-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1956	272.16	Jan. 7, 1957	281.65	Jan. 16, 1958	243.92	Jan. 13, 1959	202.61
Mar. 12	274.17	Mar. 11	283.09	Mar. 21	229.90	Mar. 16	205.39
May 7	275.55	May 17	268.57	May 5	225.77	May 15	204.28
July 16	276.95	July 11	256.41	July 8	224.45	July 13	204.44
Aug. 28	282.12	Aug. 9	264.99	Aug. 15	230.10	Aug. 18	207.89
Nov. 16	280.19	Nov. 8	255.30	Nov. 11	210.76	Nov. 20	202.93

I-2-65. Irvin Lutz. Lat 29°23', long 99°16'. Drilled unused artesian well in Edwards limestone, diam 5 in, depth 610 ft. Lsd 956.30 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 180.28 below lsd, Nov. 26-27, 1959; lowest 266.20 below lsd, Oct. 14, 1956. Records available: 1950, 1954-59. Aug. 29, 1950, 215.7. Recorder installed Apr. 29, 1954.

Highest water level for the day, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	247.3	.....	247.1	.....	.....	250.8	.....	251.1
10	.....	.....	.....	.....	247.4	.....	247.2	.....	.....	.....	.....	251.3
15	.....	.....	.....	.....	247.7	.....	247.6	.....	.....	.....	250.6	251.3
20	.....	.....	.....	.....	.....	.....	248.1	.....	.....	.....	250.5	251.5
25	.....	.....	.....	.....	246.1	.....	248.5	.....	.....	.....	250.5	.....
Eom	.....	.....	.....	246.7	243.4	247.5	248.8	.....	250.9	.....	250.8	.....

1955

5	251.5	251.4	251.4	251.9	254.3	253.0	255.3	255.7	257.0	257.2	258.2	257.4
10	251.5	251.3	251.7	252.6	254.4	253.5	255.5	255.9	257.0	257.4	257.2	257.4
15	251.4	251.3	251.9	252.8	254.2	253.7	255.7	256.2	257.2	257.3	257.4	257.4
20	251.4	251.1	252.0	253.0	251.6	254.3	255.2	256.2	257.4	257.5	257.6	257.4
25	251.4	251.4	248.9	253.4	251.1	254.6	255.2	256.4	257.4	257.9	257.6	257.3
Eom	251.4	251.3	251.1	254.0	252.5	254.8	255.7	256.8	257.2	257.9	257.6	257.7

I-2-65--Continued.

1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	257.6	257.4	258.1	259.6	260.7	262.4	261.6	265.3	264.8	265.9	264.7	264.3
10	257.7	257.3	258.6	259.9	260.8	262.6	262.3	265.4	264.8	266.0	264.5	264.5
15	257.6	257.3	258.8	260.2	261.2	262.9	263.3	265.7	264.8	266.2	264.1	264.3
20	257.6	257.6	259.0	260.7	261.5	263.2	263.9	266.0	265.0	265.6	264.0	264.4
25	257.5	257.7	259.1	260.7	261.5	263.3	264.4	265.6	265.4	265.0	264.3	264.3
Eom	257.6	257.9	259.3	260.5	262.1	263.5	264.8	265.2	265.7	264.7	264.3	.....
1957												
5	.....	263.9	263.6	261.6	252.5	243.6	244.6	248.3	250.4	245.7	239.8	237.0
10	.....	264.1	263.6	261.6	253.0	242.2	245.3	248.8	250.4	246.1	239.8	236.6
15	.....	264.2	263.7	261.6	253.3	242.1	246.0	249.2	250.3	245.2	238.8	236.3
20	.....	264.3	262.1	260.4	251.1	243.0	246.6	249.7	250.3	242.2	238.1	235.9
25	.....	263.8	261.1	256.1	250.3	243.5	247.1	249.8	246.7	241.5	237.9	235.8
Eom	263.9	263.7	261.6	253.6	247.3	243.8	247.8	250.2	245.2	239.9	237.5	235.3
1958												
5	235.1	226.2	218.7	216.7	217.4	216.4	209.5	210.6	212.4	201.8	189.7	188.7
10	232.7	226.8	218.0	217.1	216.7	217.0	209.6	211.2	212.1	200.8	190.2	188.5
15	232.2	227.0	217.0	217.6	216.3	217.6	209.2	211.6	211.7	200.3	190.2	188.3
20	231.7	227.0	216.2	217.5	216.0	212.6	209.3	211.5	207.6	199.3	190.1	188.0
25	228.9	221.7	216.1	217.4	215.8	208.6	209.5	211.8	205.6	198.5	189.7	187.9
Eom	225.5	219.7	216.6	217.6	215.9	208.1	210.1	212.0	204.3	193.1	189.4	187.7
1959												
5	187.5	187.2	187.0	188.3	187.2	.....	188.5	185.1	.....	.....	180.6	180.4
10	187.5	187.1	187.2	188.4	187.2	.....	187.5	185.3	.....	.....	180.7	180.4
15	187.3	187.2	187.3	187.9	187.4	189.2	186.8	185.6	.....	.....	180.5	180.4
20	187.1	187.1	187.6	187.4	187.5	190.0	186.4	186.0	.....	.....	180.5	180.4
25	187.3	187.1	187.8	187.3	187.6	190.7	185.8	186.5	.....	.....	180.3	180.4
Eom	187.3	187.1	188.0	187.2	.....	189.9	185.3	186.7	.....	180.8	180.4	180.4

e Estimated.

I-3-4(I-3-43). H. W. McClain. Lat 29°26', long 99°06'. Drilled farm water-table well in Edwards limestone, diam 6 in, depth 237 ft, cased to 50. Lsd 944.17 ft above msl. MP top of water pipe clamp, 1.50 ft above lsd. Highest water level 157.83 below lsd, July 8, 1937; lowest 274.44 below lsd, Mar. 11, 1957. Records available: 1930, 1934, 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1956	261.46	Jan. 7, 1957	273.70	Jan. 18, 1958	235.84	Jan. 12, 1959	192.93
Mar. 12	263.25	Mar. 11	274.44	Mar. 20	222.77	Mar. 16	191.08
May 7	265.40	May 17	264.37	May 5	222.19	May 15	189.58
July 17	269.20	July 11	255.74	July 8	217.78	July 13	189.09
Aug. 31	271.21	Sept. 9	258.89	Sept. 15	216.67	Sept. 14	188.58
Nov. 12	271.85	Nov. 8	252.17	Nov. 10	188.98	Nov. 20	182.72

I-4-18(I-4-1). Ross Kennedy Estate. Lat 29°19', long 99°24'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 1,600 ft. Lsd 967.32 ft above msl. MP top of water pipe clamp, 1.50 ft above lsd. Highest water level 191.31 below lsd, July 8, 1937; lowest 304.51 below lsd, Jan. 8, 1957. Records available: 1930, 1934, 1937-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1956	292.60	Jan. 8, 1957	304.51	Mar. 24, 1958	247.13	Mar. 17, 1959	206.20
Mar. 17	294.61	May 17	292.98	May 9	244.14	May 15	207.57
May 11	297.66	July 11	282.81	July 8	235.51	July 17	204.45
July 13	301.08	Sept. 10	288.02	Sept. 16	237.41	Sept. 18	208.37
Aug. 29	303.73	Nov. 4	274.88	Nov. 11	209.64	Nov. 19	198.75
Nov. 15	304.46	Jan. 13, 1958	265.97	Jan. 26, 1959	203.96		

I-4-29(I-4-12). Will Kelly. Lat 29°15', long 99°20'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 1,303 ft. Lsd 949.96 ft above msl. MP hole in pump, 1.20 ft above lsd. Highest water level 180.92 below lsd, July 8, 1937; lowest 292.12 below lsd, Nov. 11, 1955. Records available: 1930, 1934, 1937-38, 1940-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1956	280.29	Nov. 16, 1956	290.38	Mar. 19, 1958	235.41	Mar. 17, 1959	196.08
Mar. 17	282.54	Mar. 15, 1957	290.89	May 9	231.77	May 12	197.01
May 11	285.60	May 17	278.68	July 12	226.17	July 17	195.62
July 13	289.00	Sept. 9	275.51	Sept. 16	226.15	Sept. 18	199.29
Aug. 31	291.37	Jan. 13, 1958	252.89	Jan. 26, 1959	193.96	Nov. 20	189.39

I-4-30(I-5-55). G. E. Farley. Formerly Ray McGlauphin. Lat 29°10', long 99°19'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 2,000 ft. Lsd 784.14 ft above msl. MP hole in cover, 4.30 ft above lsd. Highest water level 18.15 below lsd, Nov. 12, 1941; lowest 125.81 below lsd, Aug. 29, 1956. Records available: 1930, 1934, 1937-38, 1940-59.

I-4-30(I-5-55)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1956	114.31	Jan. 12, 1957	125.10	Jan. 13, 1958	88.17	Jan. 26, 1959	28.93
Mar. 17	116.49	Mar. 15	125.49	Mar. 19	71.18	Mar. 17	31.08
May 11	119.68	May 17	113.22	May 6	66.85	May 12	32.02
July 13	123.22	July 10	104.54	July 11	58.30	July 17	30.87
Aug. 29	125.81	Sept. 10	114.08	Sept. 16	60.93	Sept. 18	34.40
Nov. 16	124.91	Nov. 7	96.86	Nov. 11	33.87	Nov. 20	24.59

J-1-82. City of Castroville. Lat 29°21', long 98°53'. Drilled unused artesian well in Edwards and associated limestones, diam 6 in, depth 712 ft. Lsd 757.80 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 52.49 below lsd, Nov. 17, 1958; lowest 134.53 below lsd, Aug. 18, 1956. Records available: 1950-59. Recorder installed May 25, 1950.

Highest water level for the day, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	70.1	74.8	78.7	77.9	78.4	80.7	81.2
10	....	....	....	....	....	70.5	76.0	79.2	78.5	79.0	81.3	81.9
15	....	....	....	....	....	71.9	75.7	77.6	79.1	79.9	80.6	82.1
20	....	....	....	....	....	....	75.1	77.4	78.5	80.1	80.7	82.0
25	....	....	....	....	72.6	73.9	76.3	78.6	78.0	80.5	....	81.7
Eom	....	....	....	....	72.3	75.5	77.4	77.9	77.9	80.8	....	82.0

1951

5	82.3	84.5	84.7	86.2	89.1	85.6	90.4	84.7	96.4	94.4	93.6	93.7
10	82.8	85.3	86.0	86.3	87.4	85.7	91.3	95.6	96.5	94.8	94.4	94.2
15	83.0	85.5	85.9	86.9	86.7	86.3	91.3	96.0	95.1	95.0	94.4	94.7
20	83.7	84.1	86.4	88.2	85.2	87.4	92.5	95.6	94.4	95.4	94.4	93.7
25	84.1	84.2	86.8	88.7	85.7	88.6	93.4	96.4	93.9	94.9	94.1	94.1
Eom	84.1	84.3	85.6	88.4	86.2	89.5	94.0	96.8	93.7	94.0	93.9	94.2

1952

5	94.5	95.9	95.9	97.0	96.5	98.0	100.8	103.3	106.8	99.3	100.5	95.8
10	95.2	98.4	95.9	97.1	98.2	97.8	101.7	104.8	105.1	99.7	100.3	95.8
15	94.9	96.8	96.8	96.6	99.3	98.3	102.3	106.0	100.5	99.9	99.9	95.8
20	95.2	96.6	97.2	96.3	99.2	100.0	100.9	106.6	99.9	99.9	99.6	95.4
25	95.5	95.8	97.7	95.7	98.7	100.8	101.5	106.3	100.2	100.6	98.7	94.7
Eom	95.6	95.3	96.2	96.0	97.3	100.2	102.8	106.7	99.4	100.5	96.5	93.1

1953

5	91.8	94.6	96.5	97.5	100.3	....	105.4	....	97.9	98.8	97.1	96.8
10	92.2	95.0	96.4	98.7	101.2	105.8	107.0	....	95.6	98.3	96.9	97.0
15	92.5	95.0	96.6	98.2	100.1	105.9	107.4	....	e95.4	99.1	96.8	96.6
20	92.6	95.1	97.1	98.8	100.2	107.4	107.9	....	e96.8	99.5	....	96.1
25	93.6	95.3	98.4	99.1	101.8	108.1	109.2	....	e98.2	98.7	94.7	96.7
Eom	94.0	95.5	98.5	98.9	102.9	106.9	....	104.8	99.7	97.9	97.6	96.9

1954

5	96.9	98.9	101.8	104.1	104.5	107.5	107.6	111.9	113.5	111.0	109.8	108.8
10	97.4	99.0	102.2	104.3	106.0	108.8	109.5	113.0	114.1	110.0	109.3	109.0
15	97.1	100.1	103.1	104.9	106.4	109.7	110.3	114.0	114.1	109.6	108.8	108.6
20	97.3	100.1	103.6	105.4	106.9	109.4	111.4	113.9	113.4	110.3	108.4	....
25	97.7	100.9	104.0	106.6	105.4	110.8	112.3	113.8	113.9	110.3	....	108.5
Eom	98.3	101.6	104.4	105.6	105.5	107.8	112.7	113.4	113.3	110.0	108.8	108.1

1955

5	109.2	108.5	109.1	112.1	116.8	114.7	118.7	117.9	119.7	119.1	119.8	116.2
10	108.8	107.6	109.3	111.7	116.7	114.8	119.1	117.0	120.4	119.2	118.1	116.3
15	108.4	107.7	110.5	113.3	113.8	115.4	118.9	118.9	120.6	119.5	117.5	116.7
20	107.9	107.9	110.4	113.0	112.2	116.5	118.7	119.4	120.4	120.5	117.5	116.9
25	108.1	107.9	110.1	115.0	112.1	117.2	118.5	120.5	119.7	120.1	117.4	116.3
Eom	108.3	107.8	110.9	116.1	113.6	118.8	118.1	121.0	119.7	119.8	117.4	116.8

1956

5	116.7	115.3	118.4	122.2	122.7	126.7	128.6	e132.6	128.7	131.3	125.4	125.1
10	117.0	115.6	119.5	122.4	124.4	127.6	129.3	133.5	128.3	132.0	124.6	124.8
15	117.0	115.9	119.1	123.0	124.8	128.6	129.7	134.1	129.8	130.3	124.5	124.9
20	116.4	116.8	120.1	123.8	124.5	127.3	131.1	132.6	130.9	127.6	124.2	123.8
25	116.0	117.0	120.2	122.0	125.6	127.3	131.2	131.2	131.0	126.6	124.8	123.2
Eom	116.0	118.0	121.4	122.7	125.8	129.6	131.9	130.1	131.3	126.2	124.8	122.6

1957

5	123.1	....	122.0	119.1	106.9	97.2	106.0	114.9	116.4	105.5	96.1	91.6
10	123.5	....	122.0	119.8	107.2	96.1	107.8	115.6	114.8	105.7	96.5	91.3
15	123.6	122.5	123.4	119.6	108.1	97.1	109.0	116.3	114.1	104.5	94.7	91.6
20	123.1	123.5	121.5	118.2	106.8	98.3	111.6	117.0	115.1	104.2	94.0	91.6
25	....	121.9	119.2	113.7	107.6	100.1	113.1	117.7	108.5	98.8	93.1	91.5
Eom	....	122.2	118.9	107.3	101.4	102.9	114.6	117.7	105.2	96.5	92.4	90.9

e Estimated.

J-1-82--Continued.

1958											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	90.0	81.0	72.7	72.0	70.0	75.5	75.3	79.8	82.6	61.2	53.4 52.6
10	87.7	80.8	72.2	73.0	68.7	77.0	73.3	81.8	79.2	61.0	52.8 52.9
15	85.7	80.9	72.2	72.9	69.1	78.5	73.1	81.7	77.4	60.6	52.7 53.5
20	84.2	80.9	71.9	73.1	68.7	78.0	74.2	82.1	71.5	60.0	52.9 53.8
25	82.7	75.0	71.5	74.3	69.7	75.4	76.4	81.3	65.0	59.7	52.6 53.5
Eom	81.4	74.1	71.7	74.2	72.6	74.6	78.6	82.3	62.6	55.9	52.7 53.4

1959											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	53.8	54.2	54.0	57.6	56.1	61.2	63.0	63.0	....	60.8	56.2 55.4
10	53.9	54.4	54.4	57.5	56.1	62.6	64.0	65.6	....	58.6	56.5 55.6
15	53.7	54.4	55.1	56.0	57.3	64.3	63.0	64.5	....	57.7	56.2 55.5
20	53.7	54.2	55.6	55.4	57.7	67.4	63.2	66.4	....	56.8	55.6 55.0
25	54.2	53.8	56.4	55.8	57.3	66.7	61.5	65.3	64.2	56.7	55.1 54.5
Eom	54.6	53.9	56.9	56.5	59.1	63.5	61.2	....	63.6	56.8	55.2 54.4

J-7-23. City of Devine. Lat 29°08', long 98°54'. Drilled unused artesian well in Carrizo sand and Wilcox group, diam 10 in, depth 182 ft. MP top of casing, 1.00 ft above lsd. Highest water level 73.7 below lsd, Feb. 10, 1954; lowest 80.9 below lsd, July 23, 1957. Records available: 1952-59. Recorder installed Oct. 21, 1952.

Highest water level for the day, from recorder graph, 1952											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	....	....	....	....	....	....	....	....	....	....	74.5 75.7
10	....	....	....	....	....	....	....	....	....	....	75.3 76.1
15	....	....	....	....	....	....	....	....	....	h75.2	75.2 75.9
20	....	....	....	....	....	....	....	....	....	....	75.6 75.8
25	....	....	....	....	....	....	....	....	....	74.9	75.2 77.2
Eom	....	....	....	....	....	....	....	....	....	74.4	75.4 77.2

1953											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	77.3	76.6	76.3	75.9	76.6	78.6	76.1	78.0	75.0	75.0	74.4 74.0
10	77.6	77.4	76.8	75.9	76.8	79.7	78.0	78.1	74.9	74.7	74.3 74.0
15	77.8	76.7	76.5	76.7	77.3	77.2	76.1	77.6	75.0	74.6	74.2 74.1
20	78.0	77.6	75.8	75.8	77.6	78.0	77.1	76.5	75.0	74.6	74.2 74.0
25	77.3	77.2	76.7	76.3	77.8	78.3	77.4	75.9	75.1	74.4	74.3 74.5
Eom	77.3	76.6	76.2	76.7	78.9	76.3	77.8	75.2	75.6	74.5	74.2 74.3

1954											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	74.4	74.0	74.2	74.9	75.3	76.1	75.0	79.3	78.5	76.8	76.5 75.6
10	74.3	73.7	73.9	74.5	76.2	76.6	76.1	79.8	78.0	76.8	76.1 75.1
15	74.0	73.8	....	74.4	76.8	77.2	77.2	80.7	78.4	77.7	76.0 75.1
20	74.0	74.3	75.1	75.5	76.1	75.7	77.9	79.3	77.6	77.7	76.0 75.2
25	74.0	74.0	75.1	75.9	74.3	77.6	79.8	79.1	78.2	77.2	76.0 75.2
Eom	74.0	74.3	75.3	74.8	74.2	76.0	78.6	77.7	77.3	76.7	75.4 75.0

1955											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	75.1	74.6	75.1	74.2	75.8	74.9	77.2	76.9	76.4	76.4	76.1 75.4
10	75.0	74.5	74.5	74.2	76.4	75.4	78.3	76.8	76.8	75.7	75.6 75.3
15	74.9	74.5	74.5	74.2	74.7	75.4	77.4	76.7	77.4	75.7	75.7 75.6
20	74.7	74.7	74.0	74.4	74.8	76.2	77.1	76.5	76.2	77.8	75.5 77.3
25	74.8	74.5	74.3	74.7	75.2	76.1	78.3	77.4	76.1	76.4	75.7 76.1
Eom	74.7	74.5	74.1	75.2	74.8	76.8	78.5	79.4	76.0	77.3	75.4 77.8

1956											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	76.9	75.6	76.0	79.3	76.6	77.6	76.8	77.6	76.7	76.5	76.1 75.9
10	76.4	75.6	78.0	76.6	78.3	76.8	76.9	77.4	77.1	76.6	e75.9 75.8
15	75.8	75.9	76.4	76.9	78.8	76.8	76.3	78.3	77.1	76.3	e75.8 76.1
20	75.8	76.1	76.6	76.4	78.0	76.7	77.0	77.5	77.5	76.1	e76.3 76.0
25	75.8	75.8	78.6	75.9	76.9	76.6	76.7	77.4	77.4	76.0	75.8 76.3
Eom	75.6	75.9	79.8	76.7	77.8	76.7	77.3	77.2	76.9	76.0	75.9 75.9

1957											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	....	76.2	76.3	76.5	76.7	78.2	79.6	77.5	77.7	77.6	79.8 78.5
10	....	76.1	76.0	76.3	76.6	77.3	80.1	77.4	77.6	78.6	79.1 78.0
15	....	76.1	76.5	76.4	76.6	77.6	80.5	77.9	77.3	79.0	78.8 78.5
20	75.9	76.2	76.0	76.5	76.4	77.3	80.6	77.5	77.4	78.8	79.3 78.2
25	76.0	75.9	76.4	76.5	77.7	78.4	79.7	77.5	77.5	79.6	78.5 77.7
Eom	76.0	76.2	76.1	76.4	76.8	78.8	77.9	77.5	77.6	79.0	78.5 78.0

1958											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	78.0	77.8	78.1	....	....	....	....	79.2	78.9	78.6	78.1 78.0
10	77.9	78.1	78.3	....	....	....	....	78.9	78.7	78.5	78.2 78.3
15	78.2	78.3	78.6	....	....	....	....	79.0	78.6	78.4	78.2 78.2
20	77.8	78.9	78.9	....	....	....	80.1	78.9	78.3	78.2	78.3 78.4
25	78.0	78.0	79.1	....	....	....	79.3	78.9	78.6	78.4	78.2 78.2
Eom	77.8	78.0	....	....	80.6	....	78.6	79.0	78.2	78.4	78.2 78.0

e Estimated.

h Tape measurement.

J-7-23--Continued.

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	78.1	....	....	77.9	78.0	78.6	78.6	78.7	....	79.1	79.3	79.3
10	78.1	....	....	78.0	77.8	78.6	79.5	79.6	....	79.0	79.3	79.2
15	78.2	....	....	77.9	78.3	78.8	79.5	79.6	....	79.0	79.4	79.2
20	77.8	....	....	77.9	78.2	78.9	79.5	80.2	....	79.2	79.2	79.4
25	....	77.9	78.1	77.9	78.0	78.9	78.6	79.2	....	79.6	79.3	79.2
Eom	....	77.9	78.0	77.7	78.1	78.5	78.5	....	79.2	79.5	79.3	78.9

XM-3(J-1-68). John Krenmueller. Lat 29°20', long 98°59'. Drilled domestic water-table well in Escondido formation, diam 5 in, depth 110 ft, slotted 40-60, 80-110. Lsd 986.10 ft above msl. MP top of water pipe clamp, 1.80 ft above lsd. Highest water level 57.66 below lsd, Nov. 16, 1959; lowest 77.80 below lsd, July 17, 1956. Records available: 1937-45, 1947-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1956	70.34	Jan. 7, 1957	70.83	Jan. 17, 1958	68.65	Mar. 16, 1959	59.32
Mar. 17	75.22	Mar. 16	75.32	May 5	67.76	May 16	58.54
May 14	76.05	May 18	70.16	July 11	65.50	July 17	59.88
July 17	77.80	July 11	77.64	Sept. 16	64.71	Sept. 14	60.77
Sept. 5	71.54	Sept. 12	75.99	Nov. 11	62.11	Nov. 16	57.66
Nov. 17	71.41	Nov. 8	70.01	Jan. 29, 1959	58.23		

Mitchell County

E-12. Dr. H. G. Logsdon. Lat 32°25', long 100°53'. Drilled irrigation artesian well in sand, diam 8 in, depth 170 ft, cased to 20. MP top of pumpbase, 0.65 ft above lsd. Highest water level 31.00 below lsd, May 1952; lowest 34.14 below lsd, Dec. 9, 1954. Records available: 1952, 1954-57, 1959. May 1952, 31.00; Feb. 4, 1954, 31.43; Dec. 9, 34.14; Nov. 28, 1955, 33.18; Dec. 5, 1956, 33.55; Dec. 3, 1957, 32.70; Dec. 3, 1959, 33.55. No measurement made in 1958.

F-1. C. L. LeFevre. Lat 32°25', long 100°45'. Drilled irrigation artesian well in sand, diam 8 in, depth 230 ft, cased to 160. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 17.00 below lsd, 1952; lowest 34.54 below lsd, Dec. 5, 1956. Records available: 1952, 1954-57, 1959. 1952, 17.00; Feb. 4, 1954, 21.89; Dec. 9, 24.88; Nov. 28, 1955, 27.80; Dec. 5, 1956, 34.54; Dec. 4, 1957, 28.89; Dec. 2, 1959, 29.18. No measurement made in 1958.

F-4. Lee Strain. Lat 32°26', long 100°49'. Drilled irrigation artesian well in sand, diam 10 in, depth 210 ft, not cased. MP top of casing, 1.00 ft above lsd. Highest water level 20.26 below lsd, Dec. 2, 1959; lowest 54.42 below lsd, Feb. 4, 1954. Records available: 1953-57, 1959. Jan. 27, 1953, 47.40; Feb. 4, 1954, 54.42; Dec. 9, 35.47; Nov. 28, 1955, 31.61; Dec. 5, 1956, 38.83; Dec. 4, 1957, 26.71; Dec. 2, 1959, 20.26. No measurement made in 1958.

F-10. Palmer. Lat 32°24', long 100°43'. Drilled unused artesian well in sand, diam 10 in, depth 195 ft. MP top of casing, 1.50 ft above lsd. Highest water level 39.03 below lsd, Dec. 3, 1957; lowest 54.71 below lsd, Dec. 3, 1959. Records available: 1953-57, 1959. May 8, 1953, 52.32; Jan. 14, 1954, 48.77; Dec. 9, 50.07; Nov. 29, 1955, 51.55; Dec. 6, 1956, 53.84; Dec. 3, 1957, 39.03; Dec. 3, 1959, 54.71. No measurement made in 1958.

F-18. Noble Walker. Lat 32°24', long 100°47'. Drilled irrigation artesian well in sand, diam 15 in, depth 188 ft. MP top of concrete base, 0.50 ft above lsd. Highest water level 45.41 below lsd, Jan. 27, 1953; lowest 51.52 below lsd, Dec. 5, 1956. Records available: 1953-57, 1959. Jan. 27, 1953, 45.41; Feb. 4, 1954, 47.16; Dec. 9, 48.54; Nov. 29, 1955, 49.34; Dec. 5, 1956, 51.52; Dec. 4, 1957, 47.62; Dec. 2, 1959, 46.76. No measurement made in 1958.

F-24. Mrs. C. L. Root Estate. Lat 32°24', long 100°45'. Drilled irrigation artesian well in sand, diam 10 in, depth 165 ft, cased to 150, casing slotted 40-53. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 22.57 below lsd, Dec. 3, 1957; lowest 32.22 below lsd, Dec. 6, 1956. Records available: 1954-57, 1959. Jan. 14, 1954, 24.03; Dec. 8, 26.34; Nov. 28, 1955, 27.83; Dec. 6, 1956, 32.22; Dec. 3, 1957, 22.57; Dec. 2, 1959, 24.46. No measurement made in 1958.

F-36b. Del Barber. Lat 32°21', long 100°46'. Drilled unused artesian well in sand, diam 8 in, depth 95 ft. MP top of casing, 2.50 ft above lsd. Highest water level 18.46 below lsd, Feb. 4, 1954; lowest 22.49 below lsd, Dec. 6, 1956. Records available: 1954-57, 1959. Feb. 4, 1954, 18.46; Dec. 8, 23.56 (nearby well being pumped); Nov. 29, 1955, 21.94; Dec. 6, 1956, 22.49; Dec. 3, 1957, 19.09; Dec. 2, 1959, 19.02. No measurement made in 1958.

J-6. Tom Killian. Lat 32°17', long 100°48'. Drilled irrigation artesian well in sand, diam 12 in, depth 125 ft. MP top of concrete base, 0.50 ft above lsd. Highest water level 68.42 below lsd, Dec. 2, 1959; lowest 71.56 below lsd, Dec. 6, 1956. Records available: 1954-57, 1959. Dec. 8, 1954, 71.44; Nov. 29, 1955, 71.12; Dec. 6, 1956, 71.56; Dec. 3, 1957, 70.84; Dec. 2, 1959, 68.42. No measurement made in 1958.

Montgomery County

29. Brown Estate. Lat 30°17', long 95°27'. Dug unused water-table well in sand, diam 4 ft, depth 30 ft, cribbed with brick to 8. MP top of brick curb, 1.00 ft above lsd. Highest water level 13.48 below lsd, Jan. 31, 1947; lowest dry at 26.30 below lsd, Dec. 4, 1955 - May 18, 1957. Records available: 1931-36, 1938-59.

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	26.10	25.91	26.13	.....	.....	.....	25.01
10	.....	.....	.....	.....	.....	26.04	25.95	26.17	.....	.....	26.08	24.80
15	.....	.....	.....	.....	.....	25.95	25.96	26.19	.....	25.96	25.96	24.78
20	.....	.....	.....	.....	.....	25.91	25.97	26.21	.....	.....	25.93	24.67
25	.....	.....	.....	.....	26.29	25.90	26.03	.....	26.00	.....	25.28	24.55
Eom	.....	.....	.....	.....	26.18	25.91	26.06	.....	.....	.....	25.35	24.48

1958

5	.....	.....	.....	21.88	22.35	22.44	23.17	23.86	24.38	24.60	24.48	24.27
10	.....	.....	.....	22.28	21.84	22.39	23.34	23.98	24.43	24.60	24.49	24.34
15	.....	.....	21.64	22.60	21.93	22.58	23.40	24.07	24.53	24.68	24.42	24.49
20	.....	22.25	21.88	22.50	21.91	22.76	23.45	24.16	24.47	24.66	24.48	24.29
25	.....	21.61	21.78	22.79	21.95	22.89	23.58	24.22	24.63	24.71	24.31	24.40
Eom	.....	21.68	22.04	22.79	22.15	23.10	23.69	24.33	24.57	24.64	24.39	24.38

1959

5	24.52	24.13	22.83	22.79	19.75	20.17	21.21	21.81	22.37	23.00	22.82	22.78
10	24.52	24.04	22.76	22.33	19.88	20.30	21.40	21.95	22.48	23.11	23.02	22.77
15	24.36	23.96	22.59	20.97	20.22	20.68	21.57	22.15	22.45	23.04	22.88	22.91
20	24.33	23.86	22.50	19.73	19.96	21.00	21.71	22.29	22.72	23.14	.....	23.10
25	24.52	23.34	22.62	19.63	20.14	21.17	21.53	22.21	22.70	23.07	.....	.....
Eom	24.71	23.22	22.64	19.43	19.95	21.37	21.89	22.18	22.89	22.93	22.82	.....

36. City of Willis well 1. Lat 30°25', long 95°28'. Drilled unused artesian well in sand, diam 10 to 5 in, depth 365 ft, screened 282-299, 321-362. MP top of casing, 1.00 ft above lsd. Highest water level 185.00 below lsd, Feb. 14, 1956; lowest 197.26 below lsd, Sept. 21, 1956. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9, 1955	185.11	Feb. 19, 1957	186.71	Feb. 20, 1958	186.26	Feb. 12, 1959	186.53
Feb. 14, 1956	185.00	June 13	186.33	Apr. 10	186.25	June 16	186.70
Sept. 21	197.26	Sept. 13	187.18	Sept. 17	187.33	Sept. 23	187.05
Dec. 11	187.07	Dec. 12	186.71	Dec. 16	187.08		

46. E. W. Castleschouldt. Lat 30°10', long 95°27'. Dug farm water-table well in sand, diam 24 in, depth 35 ft, cased with concrete to 35. MP top of concrete curb, 2.50 ft above lsd. Highest water level 27.46 below lsd, Feb. 14, 1950; lowest 31.96 below lsd, Aug. 25, 1940. Records available: 1931-36, 1938-58. Well destroyed Sept. 17, 1958, by highway construction; measurement discontinued.

Feb. 14, 1956	30.15	Feb. 19, 1957	30.89	Sept. 13, 1957	31.05	Feb. 20, 1958	30.49
June 13	30.85	June 13	30.92	Dec. 12	30.75	June 10	30.85
Dec. 13	30.77						

56. City of Conroe. Lat 30°18', long 95°27'. Drilled unused artesian well in sand, diam 8 in, depth 1,221 ft, screened 1,099-1,163, 1,185-1,221. MP top of pumpbase, 2.00 ft above lsd. Highest water level 21.17 below lsd, Feb. 19, 1957; lowest 35.18 below lsd, Sept. 21, 1956. Records available: 1956-59.

June 13, 1956	26.16	June 13, 1957	23.10	June 10, 1958	30.90	June 16, 1959	27.12
Sept. 21	35.18	Sept. 13	26.20	Sept. 17	25.48	Sept. 23	32.01
Dec. 11	21.85	Dec. 12	21.49	Dec. 16	25.48	Dec. 17	25.13
Feb. 19, 1957	21.17	Feb. 20, 1958	22.86	Feb. 12, 1959	24.92		

140. J. M. Liles test hole R-2. Lat 30°19', long 95°27'. Bored (previously reported drilled) observation water-table well in sand, diam 1½ in, depth 21 ft, screened 19-21. MP top of casing, 0.50 ft above lsd. Highest water level 0.63 below lsd, Jan. 28, 1944; lowest 13.75 below lsd, Dec. 11, 1956. Records available: 1940-59. Well destroyed; measurement discontinued.

Feb. 14, 1956	10.85	Feb. 19, 1957	13.67	Feb. 20, 1958	9.45	Dec. 16, 1958	11.30
June 13	11.86	June 13	11.30	June 10	10.09	Feb. 12, 1959	10.32
Sept. 21	13.47	Sept. 13	13.29	Sept. 17	12.68	June 16	9.36
Dec. 11	13.75	Dec. 12	10.90				



Moore County

3a(N-2). J. S. Guleke well 1. Lat 36°00', long 101°39'. Drilled irrigation water-table well in sand, diam 16 in. MP top of pumpbase, 1.00 ft above lsd. Highest water level 110.98 below lsd, Jan. 7, 1954; lowest 113.61 below lsd, Dec. 18, 1958. Records available: 1952-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1952	111.06	Jan. 7, 1954	110.98	Mar. 3, 1956	112.70	Feb. 25, 1958	113.25
Jan. 12, 1953	111.90	Jan. 19, 1955	111.97	Feb. 11, 1957	112.63	Dec. 18	113.61
Feb. 25	112.19						

6(M-4). G. Birdwell. Lat 35°39', long 101°42'. Drilled irrigation water-table well in sand, diam 16 in, depth 290 ft. Lsd 3,438.10 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 171.89 below lsd, Feb. 23, 1950; lowest 186.85 below lsd, Feb. 24, 1959. Records available: 1950, 1952-53, 1956-59.

Feb. 23, 1950	171.89	Jan. 12, 1953	172.62	Mar. 3, 1956	180.63	Feb. 25, 1958	184.95
July 7	172.09	May 4	172.72	Feb. 11, 1957	185.08	Feb. 24, 1959	186.85
Feb. 7, 1952	172.15						

9(E-7). Dick McGregor. Lat 36°00', long 101°49'. Drilled irrigation water-table well in sand, diam 16 in, depth 350 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 170.13 below lsd, Feb. 23, 1950; lowest 186.35 below lsd, Feb. 23, 1959. Records available: 1950-51, 1953-59.

Feb. 23, 1950	170.13	Feb. 24, 1953	178.25	Feb. 29, 1956	180.30	Mar. 3, 1958	185.14
Jan. 8, 1951	171.63	Jan. 25, 1954	175.87	Feb. 11, 1957	184.40	Feb. 23, 1959	186.35
Jan. 12, 1953	174.11	Jan. 21, 1955	179.02				

b Well pumped recently.

13(K-3). Cal Burckett. Lat 35°58', long 101°50'. Drilled irrigation water-table well in sand, diam 20 in. Lsd 3,515.60 ft above msl. MP top of pumpbase, 1.50 ft above lsd. Highest water level 179.62 below lsd, Feb. 23, 1950; lowest 192.95 below lsd, Feb. 23, 1959. Records available: 1950-51, 1954-59.

Feb. 23, 1950	179.62	Jan. 7, 1954	182.88	Feb. 29, 1956	(a)	Mar. 3, 1958	191.88
Jan. 8, 1951	180.37	Jan. 21, 1955	186.25	Feb. 11, 1957	190.78	Feb. 23, 1959	192.95

a Well being pumped.

14(L-1). Cal Burckett. Lat 35°57', long 101°49'. Drilled irrigation water-table well in sand, diam 20 in. Lsd 3,508.80 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 181.36 below lsd, Feb. 23, 1950; lowest 191.32 below lsd, Feb. 23, 1959. Records available: 1950-55, 1957, 1959. No measurement made in 1956 or 1958.

Feb. 23, 1950	181.36	Jan. 13, 1953	183.45	Jan. 7, 1954	184.69	Feb. 11, 1957	189.80
Jan. 10, 1951	182.57	Oct. 5	188.37	Jan. 13, 1955	185.73	Feb. 23, 1959	191.32
Feb. 7, 1952	182.88						

Nacogdoches County

18. City of Cushing. Lat 31°48', long 94°50'. Drilled public-supply artesian well in Carrizo sand, diam 6 in, depth 320 ft, screened 280-320. Lsd 409.00 ft above msl. MP top of 1-in hole in pumpbase, 1.00 ft above lsd. Highest water level 96.1 below lsd, Mar. 7, 1958; lowest 128.7 below lsd, Aug. 21, 1956. Records available: 1942-45, 1948-59.

Jan. 24, 1956	126.2	Jan. 3, 1957	126.3	Oct. 31, 1957	126.9	Sept. 23, 1958	124.1
Feb. 15	125.3	Feb. 5	127.5	Dec. 3	102.5	Oct. 24	123.4
Mar. 19	125.5	Mar. 5	126.9	24	104.8	Dec. 29	120.0
Apr. 16	126.0	Apr. 4	126.4	Jan. 30, 1958	99.4	Jan. 23, 1959	124.7
May 22	125.8	May 14	126.7	Mar. 7	96.1	Feb. 24	124.8
June 22	127.3	June 11	125.8	Apr. 16	125.2	Mar. 31	126.0
July 23	127.2	July 10	128.0	May 29	112.1	Apr. 24	124.6
Aug. 21	128.7	Aug. 13	125.4	June 24	124.0	May 19	126.1
Oct. 16	127.6	Sept. 29	127.9	Aug. 8	125.4	June 30	127.4
Nov. 12	127.1						

127. J. T. Hall. Lat 31°39', long 94°39'. Drilled unused artesian well in Carrizo sand, diam 4 in, depth 2,007 ft, cased to 1,400, perforated at 540. MP top of 2-in nipple, 2.40 ft above lsd. Highest water level 142.20 below lsd, Feb. 22, 1943; lowest 241.9 below lsd, Aug. 29, 1958. Records available: 1943-45, 1948-59.

Jan. 24, 1956	212.1	July 23, 1956	227.5	Apr. 4, 1957	220.2	Dec. 3, 1957	226.0
Feb. 15	211.6	Aug. 21	235.1	May 14	222.1	26	225.4
Mar. 19	211.7	Oct. 16	231.4	June 11	223.8	Jan. 30, 1958	223.6
Apr. 16	211.0	Nov. 12	227.3	July 10	227.2	Mar. 7	223.7
May 22	213.4	Jan. 3, 1957	221.8	Aug. 13	232.5	Apr. 16	224.2
June 22	218.5	Feb. 5	220.3	Sept. 26	232.5	May 29	226.5
July 17	224.5	Mar. 5	219.9	Oct. 31	228.5	June 24	232.3

127--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 16, 1958	233.7	Oct. 24, 1958	232.9	Mar. 31, 1959	229.4	June 30, 1959	237.2
Aug. 29	241.9	Dec. 29	229.4	Apr. 24	233.2	July 15	239.6
Sept. 23	236.2	Jan. 23, 1959	230.3	May 19	232.4		

178. Shell Pipe Line Co. Lat 31°36' (previously reported 31°26'), long 94°53'. Drilled industrial artesian well in Carrizo sand, diam 5 in, depth 500 ft. MP top of  $\frac{1}{2}$ -in nipple, 1.30 ft above lsd. Highest water level 81.31 below lsd, Apr. 7, 1940; lowest 169.7 below lsd, July 15, 1959. Records available: 1940-45, 1948-59. July 17, 1956, 152.92; Mar. 27, 1957, 139.08; July 11, 1958, 162.43; Mar. 17, 1958, 160.4; July 15, 1959, 169.7.

271. L. C. Jacobs. Lat 31°29', long 94°31'. Drilled oil test converted to stock artesian well in Carrizo sand, diam 6 in, depth 400 ft. MP top of casing, 7.00 ft above lsd. Highest water level 48.00 above lsd, July 13, 1940; lowest 97.15 below lsd, Apr. 6, 1959. Records available: 1940-44, 1948-57, 1959. July 17, 1956, 70.75; Mar. 27, 1957, 85.97; Apr. 6, 1959, 97.15. No measurement made in 1958.

322. Southland Paper Mills, Inc., well C7-0. Lat 31°27', long 94°40'. Drilled observation artesian well in Carrizo sand, diam 2 in, depth 718 ft, screened 664-669. Lsd 200.70 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 6.72 above lsd, Sept. 11, 1941; lowest 262.58 below lsd, July 10, 1957. Records available: 1941-58. July 18, 1956, 223.36; Apr. 11, 1957, 255.70; July 10, 262.58; Dec. 3, 241.05; Mar. 18, 1958, 225.44; July 15, 207.52. Measurement discontinued.

325. Southland Paper Mills, Inc., well C9-0. Lat 31°27', long 94°34'. Drilled observation artesian well in Carrizo sand, diam 2 in, depth 678 ft, screened 655-670. Lsd 298.00 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 79.86 below lsd, Oct. 22, 1941; lowest 272.97 below lsd, July 14, 1959. Records available: 1941-59.

Feb. 14, 1956	226.43	Apr. 11, 1957	257.27	Dec. 3, 1957	258.2	July 17, 1958	258.02
July 18	231.36	July 10	259.37	Mar. 18, 1958	265.2	July 14, 1959	272.97

331. Southland Paper Mills, Inc., well W4-0. Lat 31°29', long 94°42'. Drilled observation artesian well in Wilcox formation, diam 2 in, depth 984 ft, screened 805-810. Lsd 270.90 ft above msl. MP top of casing, at lsd. Highest water level 38.84 below lsd, Dec. 2, 1941; lowest 223.72 below lsd, July 16, 1959. Records available: 1941-59.

Feb. 13, 1956	172.85	Feb. 21, 1957	200.82	Dec. 3, 1957	209.90	July 15, 1958	212.94
July 18	176.40	July 9	206.58	Mar. 17, 1958	211.74	July 16, 1959	223.72

337. Pan American Pipe Line Co. Lat 31°39', long 94°52'. Drilled industrial artesian well in Carrizo sand, diam 6 in, depth 500 ft. MP top of special measuring pipe, 1.50 ft above lsd. Highest water level 66.60 below lsd, Sept. 18, 1942; lowest 121.85 below lsd, July 15, 1959. Records available: 1942-43, 1948-59.

Sept. 18, 1942	66.60	Oct. 2, 1943	68.63	June 13, 1949	88.26	July 12, 1955	109.89
Jan. 15, 1943	66.75	8	68.77	July 24, 1950	93.88	July 17, 1956	109.90
Feb. 10	66.93	15	68.72	July 17, 1951	98.48	Mar. 27, 1957	113.37
22	67.00	22	68.84	Jan. 8, 1952	99.15	July 11	115.12
Mar. 29	67.21	Dec. 2	68.78	Apr. 30	99.25	Mar. 17, 1958	117.05
Apr. 12	67.14	28	68.65	July 15	101.24	July 16	118.56
June 22	68.26	July 20, 1948	84.97	July 16, 1953	104.32	July 15, 1959	121.85
Aug. 19	68.40	Feb. 10, 1949	86.35	July 1, 1954	106.41		

Newton County

112. Gregg and Young. Lat 30°21', long 93°51'. Drilled irrigation artesian well in sand, diam 20 to 10 in, depth 524 ft, screened opposite sands below 65. MP top of casing, 1.00 ft above lsd. Highest water level 5.17 below lsd, May 27, 1942; lowest 19.29 below lsd, Apr. 17, 1957. Records available: 1941-42, 1955, 1957-58. Apr. 3, 1941, 6.57; May 27, 1942, 5.17; August 1955, 15.00; Apr. 17, 1957, 19.29; Apr. 17, 1958, 17.69. No measurement made in 1956 or 1959.

Nolan County

28. E. A. Cothephens. Lat 32°21', long 100°37'. Drilled irrigation artesian well in sand, diam 8 in, depth 110 ft. MP top of pipe clamp, 2.00 ft above lsd. Highest water level 22.07 below lsd, July 5, 1946; lowest 30.55 below lsd, Dec. 6, 1956. Records available: 1946, 1954-57, 1959. July 5, 1946, 22.07; Jan. 14, 1954, 24.32; Dec. 9, 26.62; Nov. 29, 1955, 27.22; Dec. 6, 1956, 30.55; Dec. 3, 1957, 25.82; Dec. 3, 1959, 30.86 (well being pumped). No measurement made in 1958.

28a. E. A. Cothepens. Lat 32°21', long 100°37'. Drilled unused artesian well in sand, diam 8 in, depth 150± ft. MP top of casing, 1.50 ft above lsd. Highest water level 43.30 below lsd, Dec. 9, 1954; lowest 45.42 below lsd, Dec. 3, 1959. Records available: 1954-55, 1957, 1959. Dec. 9, 1954, 43.30; Nov. 29, 1955, 43.97; Dec. 3, 1957, 44.22; Dec. 3, 1959, 45.42. No measurement made in 1956 or 1958.

#### Ochiltree County

413a(V-3). D. B. Pearson. Lat 36°10', long 101°03'. Drilled irrigation water-table well in sand, diam 16 in, depth 472 ft. MP top of pumpbase, 0.20 ft above lsd. Highest water level 288.05 below lsd, Feb. 6, 1952; lowest 293.70 below lsd, Feb. 13, 1959. Records available: 1952-57, 1959. Feb. 6, 1952, 288.05; Jan. 13, 1953, 290.39; Jan. 22, 1954, 290.58; Feb. 18, 1955, 291.20; Feb. 24, 1956, 290.95; Jan. 10, 1957, 293.28; Feb. 13, 1959, 293.70. Measurement discontinued.

E-1. Roy Stallings. Lat 36°29', long 100°41'. Drilled irrigation water-table well in sand, diam 16 in, depth 355 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 232.10 below lsd, Dec. 4, 1958; lowest 232.95 below lsd, Jan. 6, 1958. Records available: 1956-58. Feb. 25, 1956, 232.18; June 21, 1958, 233.10 (well pumped recently); Jan. 8, 1957, 232.85; Jan. 6, 1958, 232.95; Dec. 4, 1958, 232.10. No measurement made in 1959.

F-3. Don Sells. Lat 36°28', long 100°53'. Drilled irrigation water-table well in sand, diam 16 in, depth 455 ft. MP top of pumpbase, 1.70 ft above lsd. Highest water level 208.54 below lsd, Feb. 18, 1955; lowest 216.68 below lsd, Feb. 25, 1956. Records available: 1955-56, 1958. Feb. 18, 1955, 208.54; Jan. 13, 1956, well being pumped; Feb. 25, 1956, 216.68; Jan. 6, 1958, 211.54; Dec. 4, 1958, 209.96. No measurement made in 1957 or 1959.

J-1. A. L. Swink. Lat 36°21', long 100°51'. Drilled irrigation water-table well in sand, diam 16 in, depth 314 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 245.32 below lsd, Feb. 18, 1955; lowest 250.19 below lsd, Jan. 10, 1957. Records available: 1955-58. Feb. 18, 1955, 245.32; Feb. 24, 1956, 246.79; Jan. 10, 1957, 250.19; Jan. 9, 1958, 248.95; Dec. 4, 1958, 249.10. No measurement made in 1959.

Q-2. R. C. Allen. Lat 36°16', long 100°54'. Drilled irrigation water-table well in sand, diam 16 in, depth 412 ft. MP top of pumpbase, 2.00 ft above lsd. Highest water level 243.00 below lsd, Feb. 6, 1959; lowest 243.75 below lsd, Mar. 29, 1956. Records available: 1956-59. Mar. 29, 1956, 243.75; Jan. 10, 1957, 243.10; Jan. 9, 1958, 243.23; Feb. 6, 1959, 243.00.

AD-4. R. E. Wamble. Lat 36°05', long 101°03'. Drilled irrigation water-table well in sand, diam 16 in, depth 522 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 380.67 below lsd, Mar. 29, 1956; lowest 381.34 below lsd, Feb. 6, 1959. Records available: 1956-59. Mar. 29, 1956, 380.67; Jan. 11, 1957, 381.10; Jan. 15, 1958, 380.85; Feb. 6, 1959, 381.34.

#### Orange County

82. Lutchter & Moore Lumber Co. Lat 30°10', long 93°46'. Drilled unused irrigation well in sand, diam 24 in, depth 720 ft. Lsd 19.88 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 0.01 below lsd, Sept. 17, 1941; lowest 20.94 below lsd, May 19, 1958. Records available: 1941, 1949-52, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 12, 1941	1.60	Apr. 14, 1949	8.97	May 26, 1954	14.76	May 27, 1957	20.52
Apr. 3	1.95	May 16, 1950	8.44	Dec. 12, 1955	15.68	May 19, 1958	20.94
June 10	1.06	May 14, 1951	11.27	May 14, 1956	16.40	Dec. 4, 1959	15.75
Sept. 17	0.01	May 27, 1952	13.04				

98. Lutchter Stark. Lat 30°02', long 93°54'. Drilled public-supply artesian well in sand, diam 6 in, depth 528 ft, screened 478-528. Lsd 9.05 ft above msl. MP edge of pumpbase, 1.50 ft above lsd. Highest water level 1.79 below lsd, May 16, 1950; lowest 12.01 below lsd, May 20, 1958. Records available: 1950-52, 1954-58. No measurement made in 1959.

May 16, 1950	1.79	May 28, 1952	4.14	Dec. 13, 1955	9.14	May 28, 1957	11.27
May 15, 1951	2.84	May 26, 1954	6.37	May 15, 1956	8.03	May 20, 1958	12.01

136. Will Linscomb. Lat 30°07', long 93°50'. Drilled irrigation artesian well in sand, diam 6 in, depth 830 ft. Lsd 18.08 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 7.00 above lsd, 1915; lowest 16.15 below lsd, May 27, 1957. Records available: 1915, 1941, 1949-52, 1954-59.

1915	+7.00	June 25, 1941	-3.71	May 14, 1951	-11.08	May 14, 1956	-14.08
Feb. 14, 1941	-4.30	Sept. 19	3.90	May 27, 1952	12.58	May 27, 1957	16.15
Apr. 4	4.00	Apr. 15, 1949	9.08	June 26, 1954	14.51	May 19, 1958	14.32
May 31	3.66	May 15, 1950	8.40	Dec. 12, 1955	15.63	Dec. 4, 1959	15.38

138. W. L. Burton. Lat 30°07', long 93°50'. Drilled irrigation artesian well in sand, diam 24 to 12 in, depth 782 ft. Lsd 18.09 ft above msl. MP top of casing, at lsd. Highest water level 1.04 below lsd, Sept. 20, 1941; lowest 24.49 below lsd, Dec. 4, 1959. Records available: 1941, 1949-52, 1954-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1941	1.20	May 15, 1950	9.30	May 26, 1954	16.97	May 27, 1957	21.54
Sept. 20	1.04	May 14, 1951	11.17	Dec. 12, 1955	19.53	May 19, 1958	22.27
Apr. 15, 1949	9.13	May 27, 1952	13.94	May 14, 1956	17.82	Dec. 4, 1959	24.49

161. E. W. Brown Estate. Lat 30°04', long 93°46'. Drilled farm artesian well in sand, diam 6 in, depth 700 ft. Lsd 13.09 ft above msl. MP top of pumpbase, 1.40 ft above lsd. Highest water level 0.06 below lsd, June 23, 1941; lowest 29.91 below lsd, May 20, 1958. Records available: 1941, 1949-52, 1954-59.

June 23, 1941	0.06	May 16, 1950	11.03	May 26, 1954	19.50	May 28, 1957	28.47
Sept. 17	0.18	May 15, 1951	13.77	Dec. 13, 1955	24.60	May 20, 1958	29.91
Apr. 15, 1949	10.90	May 28, 1952	13.74	May 14, 1956	24.48	Dec. 2, 1959	22.14

164. W. H. Stark Estate. Lat 30°03', long 93°47'. Drilled unused artesian well in sand, diam 5 in, depth 356 ft. Lsd 7.65 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 4.50 below lsd, Sept. 19, 1941; lowest 7.21 below lsd, May 28, 1957. Records available: 1941, 1949-52, 1954, 1956-59.

Sept. 19, 1941	4.50	May 15, 1951	5.66	May 14, 1956	7.16	May 20, 1958	6.72
Apr. 15, 1949	5.17	June 4, 1952	5.94	May 28, 1957	7.21	Dec. 3, 1959	6.89
May 16, 1950	4.66	May 26, 1954	5.98				

175. W. H. Stark Estate. Lat 30°02', long 93°46'. Drilled unused artesian well in sand, diam 6 in, depth 600± ft. Lsd 6.00 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 5.44 below lsd, May 16, 1950; lowest 29.61 below lsd, Dec. 2, 1959. Records available: 1950-52, 1955-59.

May 16, 1950	5.44	May 28, 1952	12.63	May 15, 1956	21.24	May 20, 1958	26.88
May 15, 1951	8.03	Dec. 13, 1955	20.88	May 28, 1957	25.41	Dec. 2, 1959	29.61

196. Gulf States Utilities Co. Lat 30°05', long 93°43'. Drilled public-supply artesian well in sand, diam 16 to 8 in, depth 755 ft, screened 672-737. Lsd 9.02 ft above msl. MP top of concrete, 0.50 ft above lsd. Highest water level flowing Feb. 7, 1941; lowest 32.95 below lsd, May 19, 1958. Records available: 1941, 1951-52, 1954-58. No measurement made in 1959.

Feb. 7, 1941	(j)	May 27, 1952	23.06	Dec. 12, 1955	31.33	May 28, 1957	31.94
1951	18.22	May 26, 1954	28.33	May 14, 1956	31.08	May 19, 1958	32.95

j Flowing.

#### Parmer County

6(351). Mrs. K. Hamlin. Lat 34°22', long 102°59'. Drilled farm water-table well in sand, diam 4 in, depth 175 ft, cased, part slotted. MP top of casing, 1.00 ft above lsd. Highest water level 153.05 below lsd, Feb. 13, 1950; lowest 166.70 below lsd, Jan. 15, 1958. Records available: 1937-38, 1942-45, 1948-58. Jan. 12, 1956, 159.64; Jan. 16, 1957, 163.12; Jan. 15, 1958, 166.70. Measurement discontinued.

10(206). J. M. Gunn. Lat 34°29', long 102°54'. Drilled farm water-table well in sand, diam 4 in, depth 192 ft. MP top of casing, 1.00 ft above lsd. Highest water level 166.40 below lsd, Feb. 1, 1952; lowest 189.38 below lsd, Jan. 15, 1958. Records available: 1937-38, 1948-58. Jan. 12, 1956, 179.08 (well pumped recently); Jan. 17, 1957, 183.90; Jan. 15, 1958, 189.38. No measurement made in 1959.

11a(11). T. J. Hawks. Lat 34°42', long 102°34'. Drilled farm water-table well in sand, diam 14 in, depth 160 ft. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 117.24 below lsd, Mar. 30, 1939; lowest 137.15 below lsd, Jan. 14, 1959. Records available: 1938-39, 1948-50, 1953-59. Jan. 12, 1956, 131.85; Jan. 18, 1957, 134.10; Jan. 14, 1958, 136.31; Jan. 14, 1959, 137.15.

12(171). Capitol Syndicate. Lat 34°32', long 102°51'. Drilled farm water-table well in sand, diam 4 in, depth 235 ft. MP top of casing, 1.00 ft above lsd. Highest water level 161.85 below lsd, Mar. 17, 1948; lowest 176.20 below lsd, Jan. 15, 1959. Records available: 1937-38, 1948-59. Jan. 12, 1956, 173.31 (well pumped recently); Jan. 17, 1957, 175.00; Jan. 15, 1958, 174.28; Jan. 15, 1959, 176.20.

20. J. W. Cobb. Lat 34°39', long 102°33'. Drilled irrigation water-table well in sand, diam 12 in, depth 185 ft, cased to 140. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 107.51 below lsd, Mar. 27, 1947; lowest 138.20 below lsd, Jan. 18, 1957. Records available: 1947-59. Jan. 12, 1956, 127.98; Jan. 18, 1957, 138.20; Jan. 14, 1958, 133.41; Jan. 14, 1959, 135.98.

323. W. L. Clampitt. Lat 34°20', long 102°55'. Drilled farm water-table well in sand, diam 3 in, depth 109 ft. MP top of casing, 2.00 ft above lsd. Highest water level 100.50 below lsd, Mar. 17, 1948; lowest 117.35 below lsd, Jan. 14, 1959. Records available: 1937, 1948-50, 1952-56, 1958-59. Jan. 12, 1956, 106.05; Jan. 15, 1958, 114.37; Jan. 14, 1959, 117.35. No measurement made in 1957.

#### Polk County

D-23. Texas Long Leaf Lumber Co. Lat 30°51', long 94°51'. Drilled domestic artesian well in sand, diam 6 in, depth 150 ft. MP top of casing, 0.30 ft above lsd. Highest water level 12.47 below lsd, July 8, 1952; lowest 17.03 below lsd, Mar. 20, 1947. Records available: 1947, 1951-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1947	17.03	July 3, 1953	13.59	July 7, 1955	13.76	July 16, 1957	13.99
July 26, 1951	13.45	July 14, 1954	13.86	July 12, 1956	12.86	July 9, 1958	13.39
July 8, 1952	12.47						

D-40. J. M. Rogers. Lat 30°47', long 94°54'. Drilled farm artesian well in sand, diam 6 to 4 in, depth 116 ft. MP top of casing, 3.00 ft above lsd. Highest water level 30.0 below lsd, 1934; lowest 97.31 below lsd, July 7, 1955. Records available: 1934, 1951-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1934	30.0	July 14, 1953	47.94	July 7, 1955	97.31	July 16, 1957	49.08
July 26, 1951	48.19	July 14, 1954	68.22	July 12, 1956	48.98	July 10, 1958	54.27
July 8, 1952	48.22						

#### Presidio County

1. Bill Bunton. Lat 29°54', long 104°17'. Drilled unused artesian well in limestone, diam 16 in, depth 400+ ft. MP top of casing, 0.70 ft above lsd. Highest water level 130.87 below lsd, Jan. 22, 1958; lowest 131.62 below lsd, Aug. 11, 1954. Records available: 1954-58. Aug. 11, 1954, 131.62; Jan. 25, 1955, 131.53; Jan. 23, 1956, 131.14; Jan. 31, 1957, 131.33; Jan. 22, 1958, 130.87. No measurement made in 1959.

2. Santa Fe RR. Lat 30°10', long 103°58'. Drilled irrigation artesian well in sandstone, diam 13 to 10 in, depth 800 ft, cased to 766. MP lower edge of porthole, 2.00 ft above lsd. Highest water level 69.68 below lsd, Jan. 23, 1956; lowest 78.00 below lsd, April 1954. Records available: 1930, 1954-56, 1958. 1930, 73.60; April 1954, 78.00 (measurement by other agency); Jan. 25, 1955, 71.95; Jan. 23, 1956, 69.68; Jan. 17, 1958, 71.94. No measurement made in 1957 or 1959.

#### Randall County

121a. G. W. Cox. Lat 35°02', long 101°59'. Drilled irrigation water-table well in sand, diam 16 in, depth unknown, cased, part slotted. MP end of discharge pipe, 7.50 ft above lsd. Highest water level 124.68 below lsd, Mar. 26, 1947; lowest 149.00 below lsd, Jan. 11, 1957. Records available: 1947, 1949-59.

Mar. 26, 1947	124.68	Feb. 15, 1951	129.13	Jan. 7, 1954	134.38	Jan. 11, 1957	149.00
Mar. 9, 1949	127.63	Jan. 17, 1952	129.87	Jan. 5, 1955	142.71	Jan. 12, 1958	142.31
Feb. 16, 1950	132.40	Jan. 16, 1953	132.20	Jan. 5, 1956	147.60	Jan. 2, 1959	147.75

127a. Grady Hazlewood. Lat 35°04', long 101°55'. Drilled irrigation water-table well in sand, diam 16 in, depth 217 ft, cased, part slotted. MP hole in pumpbase, 1.80 ft above lsd. Highest water level 130.95 below lsd, Mar. 7, 1949; lowest 145.90 below lsd, Jan. 11, 1957. Records available: 1949, 1951-59.

Mar. 7, 1949	130.95	Jan. 16, 1953	133.90	Jan. 6, 1956	143.74	Jan. 12, 1958	144.30
Jan. 15, 1951	135.61	Jan. 7, 1954	135.53	Jan. 11, 1957	145.90	Jan. 2, 1959	145.05
Jan. 9, 1952	133.45	Jan. 6, 1955	138.93				

157a. Owner unknown. Lat 35°03', long 102°07'. Drilled irrigation water-table well in sand. MP lower edge of porthole, 1.50 ft above lsd. Highest water level 112.45 below lsd, Mar. 9, 1949; lowest 119.30 below lsd, Jan. 2, 1959. Records available: 1949, 1951-59.

Mar. 9, 1949	112.45	Jan. 16, 1953	112.85	Jan. 5, 1956	116.50	Jan. 12, 1958	118.99
Jan. 18, 1951	112.99	Jan. 7, 1954	113.86	Jan. 11, 1957	118.30	Jan. 2, 1959	119.30
Jan. 17, 1952	113.30	Jan. 5, 1955	115.26				

191b. Floyd Moore. Lat 34°48', long 101°52'. Drilled irrigation water-table well in sand, diam 16 in, depth 230 ft. MP hole in pump, 2.00 ft above lsd. Highest water level 143.00 below lsd, September 1948; lowest 199.20 below lsd, Jan. 11, 1957. Records available: 1948-49, 1951-59.

Sept. 1948	143.00	Jan. 9, 1952	163.45	Jan. 5, 1955	183.57	Jan. 12, 1958	186.88
Mar. 8, 1949	147.53	Jan. 15, 1953	169.55	Jan. 5, 1956	184.47	Jan. 2, 1959	187.08
Jan. 15, 1951	154.57	Jan. 7, 1954	178.05	Jan. 11, 1957	199.20		

212. L. T. Campbell. Lat 35°08', long 102°01'. Drilled irrigation water-table well in sand, diam unknown, depth 293 ft. MP edge of cover, 1.00 ft above lsd. Highest water level 148.35 below lsd, Mar. 30, 1949; lowest 166.55 below lsd, Jan. 12, 1958. Records available: 1949, 1951-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1949	148.35	Jan. 16, 1953	151.35	Jan. 5, 1956	158.15	Jan. 12, 1958	166.55
Jan. 15, 1951	149.13	Jan. 7, 1954	154.12	Jan. 11, 1957	163.25	Jan. 2, 1959	164.85
Jan. 17, 1952	149.84	Jan. 5, 1955	156.44				

215. Fred Fegl. Lat 35°07', long 102°05'. Drilled irrigation water-table well in sand. MP lower edge of porthole, 2.50 ft above lsd. Highest water level 129.54 below lsd, Mar. 30, 1949; lowest 160.27 below lsd, Jan. 2, 1959. Records available: 1949-59.

Mar. 30, 1949	129.54	Jan. 17, 1952	133.37	Jan. 5, 1955	143.27	Jan. 12, 1958	159.08
Feb. 11, 1950	130.05	Jan. 16, 1953	135.15	Jan. 5, 1956	148.60	Jan. 2, 1959	160.27
Jan. 18, 1951	131.52	Jan. 7, 1954	138.78	Jan. 11, 1957	155.29		

A2a. City of Amarillo. Lat 35°08', long 102°00'. Drilled observation water-table well in sand, diam 13 to 10 in, depth 200 ft, casing perforated bottom 34. MP top of casing, 1.50 ft above lsd. Highest water level 106.22 below lsd, July 8, 1948; lowest 139.35 below lsd, Feb. 19-Mar. 8, 1957. Records available: 1948-59. Mar. 24, 1955, 135.00.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	136.4	136.5	136.5	136.5	.....	.....	.....	.....	137.2	137.5	137.8	.....
10	136.4	136.5	136.5	136.5	.....	.....	.....	.....	137.2	137.6	137.8	.....
15	136.4	136.6	136.5	.....	.....	.....	.....	.....	137.3	137.6	137.9	138.1
20	136.4	136.6	136.5	.....	.....	.....	.....	.....	137.3	137.6	137.9	136.2
25	136.5	136.5	136.5	.....	.....	.....	.....	.....	137.4	137.7	138.0	138.2
Eom	136.5	136.5	136.5	.....	.....	.....	.....	137.1	137.4	137.7	.....	138.2

1957

5	138.49	139.32	139.35	139.14	139.01	138.90	138.74	138.81	139.13	138.84	138.92	138.84
10	139.15	139.34	139.32	139.12	138.96	138.86	138.73	138.88	139.14	138.87	138.93	138.83
15	139.22	139.34	139.29	139.10	138.97	138.83	138.73	138.93	139.19	138.88	138.91	138.83
20	139.24	139.35	139.26	139.06	138.93	138.82	138.72	138.99	139.24	138.90	138.90	138.80
25	139.27	139.35	139.22	139.03	138.92	138.79	138.73	139.04	.....	138.92	138.89	138.80
Eom	139.30	139.35	139.18	139.02	138.91	138.77	138.77	139.12	.....	138.92	138.88	138.77

1958

5	138.76	138.67	138.54	138.24	138.05	137.75	137.68	137.74	137.87	138.10	138.27	138.44
10	138.75	138.66	138.48	138.21	138.01	137.71	137.68	137.76	137.89	138.15	138.28	138.46
15	138.74	138.65	138.45	138.17	137.98	137.70	137.68	137.78	137.92	138.20	138.33	138.47
20	138.73	138.61	138.40	138.13	137.95	137.69	137.69	137.79	137.95	138.21	138.34	138.47
25	138.71	138.59	138.36	138.09	137.83	137.67	137.70	137.83	138.05	138.25	138.38	138.48
Eom	138.69	138.55	138.30	138.07	137.77	137.67	137.73	137.86	138.08	138.29	138.41	138.53

1959

5	138.58	138.60	138.46	138.31	138.25	138.23	138.20	138.33	138.57	.....	139.04	139.13
10	138.60	138.58	138.43	138.30	138.25	138.21	138.20	138.38	138.61	.....	139.06	139.13
15	138.60	138.56	138.41	138.29	138.25	138.20	138.23	138.42	138.63	.....	139.08	139.13
20	138.61	138.55	138.38	138.28	138.24	138.19	138.25	138.45	.....	138.93	139.10	139.17
25	138.61	138.52	138.36	138.26	138.25	138.20	138.29	138.49	.....	138.95	139.12	139.17
Eom	138.61	138.50	138.33	138.25	138.22	138.19	138.30	138.54	.....	138.99	139.13	139.16

### Reagan County

1. E. J. Helwig. Lat 31°37', long 101°33'. Drilled irrigation artesian well in limestone, diam 15 to 12 in, depth 320 ft. MP hole in pump, 2.45 ft above lsd. Highest water level 87.60 below lsd, Apr. 10, 1950; lowest 159.23 below lsd, Dec. 4, 1959. Records available: 1950, 1954-57, 1959. Apr. 10, 1950, 87.60; Dec. 8, 1954, 108.55; Dec. 3, 1955, 116.19; Dec. 14, 1956, 142.40; Dec. 7, 1957, 149.62; Dec. 4, 1959, 159.23. No measurement made in 1958.

2. Florence Wilde. Lat 31°38', long 101°30'. Drilled irrigation artesian well in sand and limestone, diam 14 in, depth 340 ft, cased to 14. MP lower edge of porthole, 1.30 ft above lsd. Highest water level 96.62 below lsd, Sept. 19, 1949; lowest 132.71 below lsd, Dec. 4, 1959. Records available: 1949-50, 1952-55, 1957, 1959. No measurement made in 1956 or 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 19, 1949	96.62	Dec. 9, 1952	102.22	Dec. 8, 1954	107.46	Dec. 7, 1957	131.54
Apr. 10, 1950	104.53	Dec. 4, 1953	110.48	Dec. 3, 1955	110.75	Dec. 4, 1959	132.71

3. M. A. Braden. Lat 31°37', long 101°30'. Drilled unused artesian well in sand and limestone, diam 12 in, depth 312 ft, cased to 12. MP top of concrete base, 1.00 ft above lsd. Highest water level 96.08 below lsd, Sept. 19, 1949; lowest 130.87 below lsd, Dec. 4, 1959. Records available: 1949-50, 1952-57, 1959. No measurement made in 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 19, 1949	96.08	Dec. 4, 1953	109.00	Dec. 3, 1955	109.07	Dec. 7, 1957	128.83
Apr. 10, 1950	104.10	Dec. 8, 1954	106.10	Dec. 14, 1956	127.66	Dec. 4, 1959	130.87
Dec. 9, 1952	100.90						

3a. M. A. Braden. Lat 31°37', long 101°30'. Drilled irrigation artesian well in sand and limestone, diam 12 in, depth 300 ft. MP top of concrete base, 1.00 ft above lsd. Highest water level 95.78 below lsd, Dec. 9, 1952; lowest 119.60 below lsd, Dec. 4, 1959. Records available: 1952-57, 1959. Dec. 9, 1952, 95.78; Dec. 4, 1953, 101.03; Dec. 8, 1954, 97.97; Dec. 3, 1955, 103.26; Dec. 14, 1956, 111.19; Dec. 7, 1957, 118.38; Dec. 4, 1959, 119.60. No measurement made in 1958.

7. J. M. Childress. Lat 31°31', long 101°22'. Drilled irrigation artesian well in sand and limestone, diam 12 in, depth 291 ft, not cased. MP top of concrete base, 0.50 ft above lsd. Highest water level 136.28 below lsd, Apr. 10, 1950; lowest 148.23 below lsd, Dec. 7, 1957. Records available: 1950, 1952-54, 1956-57, 1959. Apr. 10, 1950, 136.28; Dec. 9, 1952, 141.96; Dec. 4, 1953, 141.68; Dec. 8, 1954, 140.13; Dec. 15, 1956, 145.68; Dec. 7, 1957, 148.23; Dec. 4, 1959, 147.79. No measurement made in 1958.

#### Roberts County

2a. Bert Walsh. Lat 35°41', long 100°38'. Drilled irrigation water-table well in sand, diam 12 in, depth 75 ft. MP top of casing, 1.00 ft above lsd. Highest water level 39.63 below lsd, Feb. 8, 1952; lowest 45.89 below lsd, Feb. 14, 1958. Records available: 1951-59.

Feb. 21, 1951	40.80	Jan. 12, 1954	43.97	Jan. 14, 1956	43.84	Feb. 14, 1958	45.89
Feb. 8, 1952	39.63	Jan. 11, 1955	44.77	Jan. 19, 1957	45.30	Mar. 6, 1959	43.64
Jan. 11, 1953	43.16						

3a. Bob McCoy. Lat 35°44', long 100°33'. Drilled irrigation water-table well in sand, diam 16 in, depth 160 ft, cased, part slotted. MP top of casing, 1.00 ft above lsd. Highest water level 41.43 below lsd, Mar. 6, 1959; lowest 42.81 below lsd, Jan. 14, 1956. Records available: 1953-59. Jan. 11, 1953, 42.14; Jan. 12, 1954, 42.10; Jan. 11, 1955, 42.40; Jan. 14, 1956, 42.81; Jan. 19, 1957, 42.50; Feb. 14, 1958, 42.06; Mar. 6, 1959, 41.43.

#### Robertson County

AA-3. Owner unknown. Lat 30°54', long 96°40'. Drilled irrigation water-table well in sand, diam 18 in, depth 65 ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 29.64 below lsd, Apr. 16, 1958; lowest 31.82 below lsd, July 18, 1958. Records available: 1957-59. Apr. 11, 1957, 31.26; May 23, 30.91; June 20, 30.51; Dec. 31, 30.26; Apr. 16, 1958, 29.64; July 18, 31.82; Nov. 13, 1959, 30.34.

AB-3. Fred Tiedeman. Lat 30°52', long 96°39'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 65 ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 26.69 below lsd, June 20, 1957; lowest 27.99 below lsd, July 18, 1958. Records available: 1957-59. Apr. 11, 1957, 27.51; May 23, 26.89; June 20, 26.69; Dec. 31, 27.85; Apr. 16, 1958, 27.72; July 18, 27.99; Nov. 13, 1959, 27.67.

AB-5. Owner unknown. Lat 30°50', long 96°38'. Drilled irrigation water-table well in sand and gravel, diam 15 in, depth 49 ft. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 27.19 below lsd, July 18, 1958; lowest 30.25 below lsd, Dec. 31, 1957. Records available: 1957-59. Apr. 11, 1957, 30.01; May 23, 29.64; June 20, 29.03; Dec. 31, 30.25; Apr. 16, 1958, 28.52; July 18, 27.19; Nov. 13, 1959, 27.44.

AF-1. Owner unknown. Lat 30°49', long 96°36'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 56 ft. MP top of casing, 0.50 ft above lsd. Highest water level 16.13 below lsd, July 18, 1958; lowest 25.38 below lsd, Apr. 11, 1957. Records available: 1957-59. Apr. 11, 1957, 25.38; May 23, 22.92; June 20, 22.23; Dec. 30, 21.13; Apr. 16, 1958, 17.11; July 18, 16.13; Nov. 13, 1959, 17.35.

AG-1. Owner unknown. Lat 30°46', long 96°34'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 74 ft. MP hole in pumpbase, 1.30 ft above lsd. Highest water level 33.34 below lsd, July 18, 1958; lowest 36.12 below lsd, Dec. 30, 1957. Records available: 1957-59. Apr. 12, 1957, 34.47; May 23, 33.71; June 20, 33.54; Dec. 30, 36.12; Apr. 15, 1958, 34.01; July 18, 33.34; Nov. 13, 1959, 33.83.

AJ-1. J. H. Aston. Lat 30°42', long 96°33'. Drilled irrigation water-table well in sand and gravel, diam 18 in, depth 55 ft. MP hole in pumpbase, 1.20 ft above lsd. Highest water level 30.85 below lsd, Apr. 11, 1957; lowest 37.39 below lsd, Dec. 30, 1957. Records available: 1957-59. Apr. 11, 1957, 30.85; May 23, 33.57; June 20, 33.22; Dec. 30, 37.39; Apr. 15, 1958, 34.75; July 18, 33.83; Nov. 13, 1959, 37.14.

#### San Patricio County

80. Lewis Caldwell. Lat 27°52', long 97°11'. Drilled farm artesian well in sand, diam 4 in, depth 90 ft. Lsd 15.44 ft above msl. MP top of iron water pipe clamp, 0.10 ft above lsd. Highest water level 12.76 below lsd, Nov. 15, 1949; lowest 18.19 below lsd, Dec. 4, 1956. Records available: 1938-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 4, 1956, 18.19; Dec. 10, 1957, 17.22; Nov. 19, 1959, 13.46. No measurement made in 1958.

85. W. H. Bryan. Lat 27°53', long 97°11'. Drilled unused water-table well in sand, diam 4 in, depth 35 ft. Lsd 15.73 ft above msl. MP top of casing, 0.20 ft above lsd. Highest water level 14.10 below lsd, Nov. 15, 1949; lowest 21.23 below lsd, Dec. 12, 1939. Records available: 1938-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 4, 1956, 18.38; Dec. 10, 1957, 17.57; Nov. 19, 1959, 16.03. No measurement made in 1958.

129. B. A. Linderman. Lat 27°54', long 97°09'. Drilled unused artesian well in sand, diam 4 in, depth 76 ft. Lsd 13.41 ft above msl. MP top of 2- x 3-in bushing, 1.60 ft above lsd. Highest water level 6.18 below lsd, Nov. 20, 1959; lowest 20.38 below lsd, Dec. 5, 1956. Records available: 1938, 1940-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 5, 1956, 20.38; Dec. 11, 1957, 14.39; Nov. 20, 1959, 6.18. No measurement made in 1958.

140. Bruce Hannah. Lat 27°52', long 97°11'. Drilled farm water-table well in sand, diam 4 in, depth 24 ft. Lsd 15.00 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 10.06 below lsd, Nov. 19, 1959; lowest 21.98 below lsd, Aug. 5, 1940. Records available: 1938-42, 1945, 1947, 1949-51, 1953-57, 1959. Dec. 4, 1956, 17.61; Dec. 10, 1957, 17.82; Nov. 19, 1959, 10.06. No measurement made in 1958.

#### Sherman County

8(AF-1). Vernon Morris. Lat 36°08', long 101°51'. Drilled irrigation water-table well in sand, diam 20 in, depth 400 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 208.40 below lsd, Feb. 23, 1950; lowest 212.88 below lsd, Feb. 21, 1958. Records available: 1950, 1953-56, 1958-59. Feb. 23, 1950, 208.40; Jan. 13, 1953, 209.63; Jan. 25, 1954, 210.02; Jan. 19, 1955, 210.18; Feb. 22, 1956, 211.00; Feb. 21, 1958, 212.88; Feb. 18, 1959, 212.77. No measurement made in 1957.

10(E-2). George L. Aycock. Lat 36°27', long 101°48'. Drilled irrigation water-table well in sand, diam 16 in, depth 312 ft. MP top of pumpbase, 2.80 ft above lsd. Highest water level 229.00 below lsd, Jan. 20, 1955; lowest 230.22 below lsd, Jan. 17, 1957. Records available: 1955-59. Jan. 20, 1955, 229.00; Feb. 18, 1956, 229.70; Jan. 17, 1957, 230.22; Feb. 17, 1958, 230.00; Jan. 14, 1959, 229.94.

H-3. Arthur Milton. Lat 36°21', long 102°05'. Drilled irrigation water-table well in sand, diam 16 in, depth 432 ft. MP top of pumpbase, 0.80 ft above lsd. Highest water level 211.45 below lsd, Jan. 19, 1955; lowest 215.03 below lsd, Jan. 14, 1959. Records available: 1955-59. Jan. 19, 1955, 211.45; Feb. 21, 1956, 212.64; Jan. 15, 1957, 214.69; Mar. 6, 1958, 214.05; Jan. 14, 1959, 215.03.

11(M-2). Burt Steffens. Lat 36°20', long 101°40'. Drilled irrigation water-table well in sand, diam 16 in, depth 400 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 155.61 below lsd, Jan. 20, 1955; lowest 159.60 below lsd, Jan. 17, 1957. Records available: 1955-59. Jan. 20, 1955, 155.61; Feb. 18, 1956, 158.37; Jan. 17, 1957, 159.60; Feb. 17, 1958, 158.20; Jan. 14, 1959, 157.91.

X-1. F. D. Brannan. Lat 36°14', long 102°03'. Drilled irrigation water-table well in sand, diam 16 in, depth 352 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 162.50 below lsd, Jan. 20, 1955; lowest 163.76 below lsd, Jan. 18, 1957. Records available: 1955-58. Jan. 20, 1955, 162.50; Feb. 22, 1956, 162.70; Jan. 18, 1957, 163.76; Feb. 21, 1958, 163.47. Measurement discontinued.

Z-1. James O. Craig. Lat 36°10', long 101°47'. Drilled irrigation water-table well in sand, diam 16 in, depth 396 ft, casing slotted 256-296. MP top of pumpbase, 1.20 ft above lsd. Highest water level 179.75 below lsd, Jan. 19, 1955; lowest 187.12 below lsd, Jan. 13, 1959. Records available: 1953, 1955-59. Oct. 28, 1953, 180.90; Jan. 19, 1955, 179.75; Feb. 26, 1956, 183.00; Feb. 26, 1957, 186.15; Feb. 18, 1958, 186.01; Jan. 13, 1959, 187.12.



AD-1. W. A. Sloan. Lat 36°05', long 102°03'. Drilled irrigation water-table well in sand, diam 16 in, depth 420 ft. MP top of pumpbase, 1.30 ft above lsd. Highest water level 205.20 below lsd, Jan. 20, 1955, Feb. 17, 1956; lowest 207.08 below lsd, Jan. 12, 1959. Records available: 1955-59. Jan. 20, 1955, 205.20; Feb. 17, 1956, 205.20; Feb. 25, 1957, 206.25; Mar. 3, 1958, 206.97; Jan. 12, 1959, 207.08.

AG-1. Luther Browder. Lat 36°05', long 101°49'. Drilled irrigation water-table well in sand, diam 16 in, depth 368 ft. MP top of pumpbase, 2.00 ft above lsd. Highest water level 191.13 below lsd, Jan. 19, 1955; lowest 197.22 below lsd, Jan. 13, 1959. Records available: 1955-59. Jan. 19, 1955, 191.13; Feb. 22, 1956, 192.50; Feb. 26, 1957, 195.27; Feb. 21, 1958, 196.00; Jan. 13, 1959, 197.22.

AI-2. J. R. Morris. Lat 36°09', long 101°39'. Drilled irrigation water-table well in sand, diam 16 in, depth 401 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 140.34 below lsd, Jan. 25, 1954; lowest 145.94 below lsd, Feb. 19, 1958. Records available: 1953-54, 1956, 1958-59. Jan. 13, 1953, 142.71; Jan. 25, 1954, 140.34; Feb. 22, 1956, 145.20; Feb. 19, 1958, 145.94; Jan. 13, 1959, 144.47. No measurement made in 1957.

AP-1. L. B. Newby. Lat 36°03', long 101°39'. Drilled irrigation water-table well in sand, diam 16 in, depth 415 ft. MP top of pumpbase, 1.50 ft above lsd. Highest water level 145.09 below lsd, Oct. 27, 1953; lowest 148.45 below lsd, Feb. 19, 1959. Records available: 1953, 1955-59. Oct. 27, 1953, 145.09; Jan. 19, 1955, 145.44; Feb. 22, 1956, 146.57; Feb. 26, 1957, 147.31; Feb. 19, 1958, 148.17; Feb. 19, 1959, 148.45.

#### Starr County

A-6. H. P. Guerra. Lat 26°46', long 98°50'. Drilled stock artesian well in sand, diam 6 in, depth 325 ft, cased. MP top of water-pipe clamp, 1.40 ft above lsd. Highest water level 132.20 below lsd, Oct. 26, 1950; lowest 135.65 below lsd, Apr. 14, 1955. Records available: 1950, 1953-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 26, 1950	132.20	June 23, 1954	134.70	Jan. 10, 1956	132.89	Feb. 5, 1958	133.05
Nov. 18, 1953	132.91	Apr. 14, 1955	135.65	Jan. 9, 1957	133.69	July 20, 1959	134.87

C-14. W. B. Osburn. Lat 26°42', long 98°32'. Drilled stock artesian well in sand, diam 6 in, depth 420 ft. MP top of water pipe clamp, 1.30 ft above lsd. Highest water level 86.70 below lsd, Oct. 5, 1950; lowest 105.47 below lsd, Jan. 10, 1957. Records available: 1950, 1953-59.

Oct. 5, 1950	86.70	June 23, 1954	89.12	Jan. 11, 1956	103.79	Feb. 6, 1958	93.20
Nov. 19, 1953	88.86	Apr. 15, 1955	90.46	Jan. 10, 1957	105.47	July 21, 1959	94.87

D-24. Humble Oil & Refining Co. Lat 26°42', long 98°24'. Drilled unused artesian well in sand, diam 4 in, depth 889 ft, cased to 880. MP top of casing, 0.90 ft above lsd. Highest water level 55.56 below lsd, June 18, 1954; lowest 64.55 below lsd, Feb. 6, 1958. Records available: 1953-59. Dec. 2, 1953, 56.00; June 18, 1954, 55.56; Apr. 15, 1955, 59.86; Jan. 24, 1956, 61.71; Jan. 10, 1957, 64.28; Feb. 6, 1958, 64.55; July 20, 1959, 63.87.

E-20. M. S. Salinas. Lat 26°32', long 99°00'. Drilled stock artesian well in sand, diam 4 in, depth 350 ft. MP top of water pipe clamp, 0.70 ft above lsd. Highest water level 236.87 below lsd, Jan. 10, 1956; lowest 240.46 below lsd, Apr. 14, 1955. Records available: 1950, 1953-58. Oct. 31, 1950, 237.30; Nov. 17, 1953, 238.68; June 23, 1954, 239.09; Apr. 14, 1955, 240.46; Jan. 10, 1956, 236.87; Jan. 9, 1957, 238.24; Feb. 5, 1958, 237.91. No measurement made in 1959.

G-24. L. Resendez. Lat 26°34', long 98°46'. Drilled stock artesian well in sand, diam 6 in, depth 380 ft, cased to 380. MP top of water pipe clamp, 2.60 ft above lsd. Highest water level 91.42 below lsd, Jan. 11, 1956; lowest 100.30 below lsd, Nov. 15, 1950. Records available: 1950, 1953-59.

Nov. 15, 1950	100.30	June 23, 1954	97.10	Jan. 11, 1956	91.42	Feb. 5, 1958	94.42
Nov. 20, 1953	94.99	Apr. 14, 1955	98.57	Jan. 9, 1957	95.56	July 20, 1959	97.97

H-42. J. M. Martinez. Lat 26°34', long 98°39'. Drilled stock artesian well in sand, diam 5 in, depth 240 ft, cased to 240. Lsd 462.50 ft above msl. MP top of water pipe clamp, 0.80 ft above lsd. Highest water level 198.57 below lsd, Nov. 19, 1953; lowest 209.40 below lsd, Jan. 10, 1957. Records available: 1950, 1953-59.

Sept. 7, 1950	208.70	June 18, 1954	199.93	Jan. 11, 1956	207.91	Feb. 6, 1958	205.09
Nov. 19, 1953	198.57	Apr. 15, 1955	205.30	Jan. 10, 1957	209.40	July 21, 1959	200.56

J-31. P. H. Longoria. Lat 26°37', long 98°26'. Drilled farm artesian well in sand, diam 5 in, depth 200 ft, cased to 200. MP top of casing, 1.00 ft above lsd. Highest water level 108.10 below lsd, Aug. 8, 1950; lowest 116.05 below lsd, Jan. 12, 1956. Records available: 1950, 1953-59.

## J-31--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 8, 1950	108.10	June 22, 1954	111.77	Jan. 12, 1956	116.05	Feb. 6, 1958	115.47
Nov. 20, 1953	111.32	Apr. 15, 1955	113.30	Jan. 10, 1957	114.75	July 21, 1959	118.53

a Well being pumped.

K-6. Manuel Ramirez. Lat 26°24', long 99°01'. Drilled stock artesian well in sand, diam 6 in, depth 200 ft. MP top of water pipe clamp, 2.30 ft above lsd. Highest water level 37.88 below lsd, Jan. 9, 1957; lowest 40.85 below lsd, Apr. 14, 1955. Records available: 1945, 1953-59. Sept. 30, 1945 40.50 June 22, 1954 38.82 Jan. 10, 1956 38.79 Feb. 5, 1958 38.57 Nov. 18, 1953 38.20 Apr. 14, 1955 40.85 Jan. 9, 1957 37.88 July 20, 1959 39.04

M-23. Felix Chapa. Lat 26°25', long 98°45'. Drilled domestic artesian well in sand, diam 5 in, depth 200 ft, cased to 200. MP top of casing, 0.80 ft above lsd. Highest water level 59.16 below lsd, Nov. 20, 1953; lowest 74.70 below lsd, Oct. 5, 1945. Records available: 1945, 1953-58. Oct. 5, 1945, 74.70; Nov. 20, 1953, 59.16; June 18, 1954, 60.97; Apr. 14, 1955, 66.66; Jan. 11, 1956, 65.30; Jan. 9, 1957, 65.95; Feb. 5, 1958, 64.47. No measurement made in 1959.

M-30. Ignacio Ramirez. Lat 26°18', long 98°40'. Drilled stock artesian well in sand, diam 4 in, depth 350 ft, cased to 350. MP top of casing, 1.30 ft above lsd. Highest water level 10.72 below lsd, Feb. 5, 1958; lowest 19.77 below lsd, June 22, 1954. Records available: 1950, 1953-59. Dec. 15, 1950 17.00 June 22, 1954 19.77 Jan. 11, 1956 14.39 Feb. 5, 1958 10.72 Nov. 17, 1953 19.60 Apr. 14, 1955 16.11 Jan. 9, 1957 13.24 July 20, 1959 14.09

N-5. J. A. Wetzel. Lat 26°28', long 98°32'. Drilled stock artesian well in sand, diam 6 in, depth 447 ft, cased to 447. MP top of water pipe clamp, 0.30 ft above lsd. Highest water level 180.46 below lsd, Jan. 12, 1956; lowest 190.01 below lsd, Apr. 15, 1955. Records available: 1950, 1953-59.

July 25, 1950	183.30	June 22, 1954	181.55	Jan. 12, 1956	180.46	Feb. 6, 1958	184.26
Dec. 2, 1953	181.39	Apr. 15, 1955	190.01	Jan. 10, 1957	182.41	July 21, 1959	188.02

Sterling County

539. Grosshams. Lat 31°51', long 101°03'. Dug irrigation water-table well in alluvium, diam 48 in, depth 25 ft, curbed with concrete. MP top of curb, at lsd. Highest water level 17.78 below lsd, Dec. 4, 1957; lowest 19.37 below lsd, Dec. 7, 1956. Records available: 1953-57, 1959. Dec. 1, 1953, 18.72; Dec. 8, 1954, 18.96; Feb. 6, 1955, 18.31; Dec. 3, 1917; Dec. 7, 1956, 19.37; Dec. 4, 1957, 17.78; Dec. 4, 1959, 17.81. No measurement made in 1958.

542. Cub Reynolds. Lat 31°50', long 101°10'. Drilled irrigation artesian well in limestone, diam 14 in, depth 141 ft. MP top of concrete base, 0.50 ft above lsd. Highest water level 77.90 below lsd, Dec. 6, 1955, Dec. 4, 1957; lowest 80.40 below lsd, Dec. 3, 1955. Records available: 1954-57, 1959. Dec. 8, 1954, 78.28; Feb. 6, 1955, 77.90; Dec. 3, 80.40; Dec. 7, 1956, 79.99; Dec. 4, 1957, 77.90; Dec. 4, 1959, 78.30. No measurement made in 1958.

Swisher County

2. I. Irlbeck. Lat 34°41', long 101°51'. Drilled unused water-table well in sand, diam 6 in, depth 94 ft. MP top of casing, 0.60 ft above lsd. Highest water level 76.87 below lsd, Jan. 5, 1954; lowest 79.43 below lsd, Jan. 15, 1958. Records available: 1937-56, 1958-59. Jan. 7, 1956, 77.08; Jan. 15, 1958, 79.43; Jan. 13, 1959, 78.34. No measurement made in 1957.

36. W. C. Cowan. Lat 34°35', long 101°48'. Drilled irrigation water-table well in sand, diam 26 in, depth 226 ft, cased, part screened. MP hole in pumpbase, 1.80 ft above lsd. Highest water level 53.70 below lsd, Feb. 10, 1944; lowest 85.34 below lsd, Jan. 13, 1959. Records available: 1934, 1937, 1940-49, 1951-52, 1954-59. Jan. 9, 1956, 74.30; Jan. 4, 1957, 80.37; Jan. 20, 1958, 81.82; Jan. 13, 1959, 85.34.

101. C. J. Levitt. Lat 34°41', long 101°43'. Drilled irrigation water-table well in sand, diam 14 in, depth 230 ft, cased to 188, slotted below 70. MP end of discharge pipe, 4.00 ft above lsd. Highest water level 70.20 below lsd, Nov. 29, 1937 (previously reported 70.63 below lsd, Mar. 17, 1947); lowest 100.57 below lsd, Jan. 13, 1959. Records available: 1937, 1947-56, 1958-59. Jan. 7, 1956, 90.62; Jan. 15, 1958, 97.35; Jan. 13, 1959, 100.57. No measurement made in 1957.

108. Joe Richardson. Lat 34°38', long 101°30'. Drilled irrigation water-table well in sand, diam 26 in, depth 210 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 70.66 below lsd, Apr. 20, 1934; lowest 105.77 below lsd, Jan. 13, 1959. Records available: 1934, 1937, 1943, 1945-57, 1959. Jan. 7, 1956, 95.99; Jan. 9, 1957, 101.24; Jan. 13, 1959, 105.77. No measurement made in 1958.

124. W. C. Watson. Lat 34°34', long 101°34'. Drilled irrigation water-table well in sand, diam 16 in, depth 188 ft, cased to 120, slotted below 45. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 46.91 below lsd, Nov. 26, 1937; lowest 77.57 below lsd, Jan. 13, 1959. Records available: 1937, 1943, 1947-49, 1951-57, 1959. Jan. 7, 1956, 74.06; Jan. 9, 1957, 75.18; Jan. 13, 1959, 77.57. No measurement made in 1958.

231. L. L. Armor. Lat 34°24', long 101°34'. Drilled irrigation water-table well in sand, diam 18 in. MP hole in concrete base, 0.70 ft above lsd. Highest water level 51.39 below lsd, Nov. 8, 1937; lowest 111.00 below lsd, Jan. 9, 1957. Records available: 1937, 1943-59. Jan. 9, 1956, 91.38; Jan. 9, 1957, 111.00; Jan. 16, 1958, 109.41; Jan. 12, 1959, 102.15.

255. Dr. H. H. Hicks. Lat 34°22', long 101°37'. Drilled irrigation water-table well in sand, diam 16 in, depth 200 ft, casing slotted 70-95. MP top of concrete base, 1.90 ft above lsd. Highest water level 40.81 below lsd, July 24, 1937 (previously reported 40.95 below lsd, Oct. 4, 1937); lowest 84.08 below lsd, Jan. 12, 1959. Records available: 1937-38, 1940-59. Jan. 9, 1956, 74.28; Jan. 10, 1957, 79.47; Jan. 17, 1958, 83.03; Jan. 12, 1959, 84.08.

368. C. F. Harris. Lat 34°19', long 101°44'. Drilled irrigation water-table well in sand, diam 26 in, depth 212 ft. MP hole in pumpbase, 2.00 ft above lsd. Highest water level 73.80 below lsd, Sept. 15, 1939 (previously reported 73.99 below lsd, May 4, 1936); lowest 138.65 below lsd, June 20, 1958. Records available: 1936-56, 1958. Jan. 11, 1956, 120.83; Jan. 20, 1958, 138.65. No measurement made in 1957 or 1959.

451a. S. W. Curry well 2. Lat 34°18', long 101°50'. Drilled observation water-table well in sand, diam 4 in, depth 138 ft, cased to 120, open end. MP top of casing, 2.00 ft above lsd. Highest water level 59.63 below lsd, Mar. 27, 1954; lowest 96.36 below lsd, Dec. 31, 1959. Records available: 1952-59. Recorder installed Apr. 11, 1952.

Highest water level for the day, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	60.20	60.64	60.93	61.19	61.78	62.39	62.84	63.20
10	.....	.....	.....	.....	60.27	60.70	60.99	61.28	61.89	62.48	62.91	63.25
15	.....	.....	.....	59.89	60.32	60.75	61.01	61.37	62.00	62.57	62.96	63.28
20	.....	.....	.....	59.95	60.39	60.80	61.05	61.45	.....	62.63	63.06	63.32
25	.....	.....	.....	60.03	60.48	60.85	61.08	61.56	.....	62.72	63.13	63.37
Eom	.....	.....	.....	60.11	60.57	60.88	61.12	61.69	.....	62.80	63.16	63.41

1953

5	.....	63.54	63.65	63.75	64.09	64.45	64.79	65.27	65.74	66.26	66.67	67.02
10	.....	63.58	63.66	63.83	64.14	64.51	64.88	65.32	65.82	66.31	66.74	67.07
15	63.49	63.58	63.66	63.86	64.17	64.57	64.97	65.38	65.92	66.40	66.82	67.10
20	63.49	63.60	63.67	63.92	64.21	64.62	65.05	65.50	66.04	66.46	66.88	67.14
25	63.50	63.61	63.69	63.98	64.29	64.65	65.10	65.60	66.10	66.52	66.94	67.17
Eom	63.52	63.62	63.70	64.03	64.35	67.73	65.18	65.65	66.17	66.61	66.97	67.24

1954

5	67.27	67.45	63.37	.....	.....	.....	.....	.....	.....	.....	.....	70.70
10	67.30	67.47	62.55	.....	.....	.....	.....	.....	.....	.....	.....	70.75
15	67.34	66.47	61.68	.....	.....	.....	.....	.....	.....	.....	.....	70.84
20	67.35	65.61	60.82	.....	.....	.....	.....	.....	.....	.....	.....	70.90
25	67.38	64.75	59.95	.....	.....	.....	.....	.....	.....	.....	70.57	70.95
Eom	67.40	64.23	.....	.....	.....	.....	.....	.....	.....	.....	70.65	71.07

1955

5	71.13	67.80	.....	67.96	68.31	68.77	68.98	69.25	68.59	.....	.....	.....
10	71.18	66.94	.....	68.01	68.44	68.83	68.99	69.29	67.73	.....	.....	.....
15	71.26	66.29	67.84	68.07	68.50	68.86	69.10	69.33	67.25	.....	.....	.....
20	70.57	.....	67.85	68.11	68.60	68.88	69.13	69.40	.....	.....	.....	.....
25	69.70	.....	67.90	68.20	68.65	68.94	69.14	69.45	.....	.....	.....	.....
Eom	69.65	.....	67.92	68.27	68.75	68.95	69.19	69.45	.....	.....	.....	75.60

1956

5	75.60	.....	.....	.....	.....	.....	.....	79.13	79.88	80.63	81.23	.....
10	75.67	.....	.....	.....	.....	.....	.....	79.25	80.05	80.72	81.32	.....
15	75.72	.....	.....	.....	.....	.....	.....	79.40	80.16	80.88	81.42	.....
20	75.81	.....	.....	.....	.....	.....	.....	79.55	80.27	80.94	81.47	.....
25	75.88	.....	.....	.....	.....	.....	.....	78.84	79.67	80.44	81.01	81.55
Eom	75.96	.....	.....	.....	.....	.....	.....	79.03	79.82	80.55	81.13	81.63

1957

5	81.73	82.10	82.47	82.78	83.21	83.70	83.80	83.92	84.51	85.39	85.88	86.17
10	81.50	82.17	82.50	82.82	83.32	83.75	83.78	83.94	84.67	85.50	85.92	86.24
15	81.85	82.22	82.60	82.83	83.40	83.76	83.75	84.04	84.78	85.57	85.94	86.29
20	81.87	82.29	82.62	82.93	83.49	83.80	83.73	84.14	84.92	85.65	85.95	86.35
25	81.96	82.32	82.67	83.02	83.58	83.80	83.80	84.24	85.03	85.74	85.97	86.35
Eom	82.03	82.37	82.76	83.13	83.65	83.80	83.83	84.36	85.20	85.80	86.15	86.33

451a--Continued.

1958											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	86.35	86.59	86.80	87.01	87.14	87.30	87.58	88.04	88.90	89.47	89.85 90.16
10	86.36	86.64	86.85	87.02	87.21	87.30	87.58	88.15	89.05	89.57	89.94 90.18
15	86.44	86.58	86.85	87.04	87.25	87.43	87.62	88.25	89.15	89.60	89.95 90.20
20	86.46	86.69	86.90	87.09	87.27	87.45	87.65	88.28	89.25	89.67	89.99 90.23
25	86.48	86.75	86.90	87.14	87.30	87.51	87.73	88.62	89.32	89.77	90.11 90.29
Eom	86.54	86.79	86.99	87.14	87.30	87.54	87.96	88.71	89.40	89.80	90.12 90.39
1959											
5	90.46	90.65	91.00	91.28	91.84	92.36	92.65	92.94	94.37	.....	96.20 .....
10	90.47	90.72	91.02	91.35	91.90	92.42	92.72	93.12	94.64	.....	96.18 .....
15	90.50	90.75	91.08	91.40	92.03	92.49	92.74	93.35	94.87	.....	96.19 .....
20	90.55	90.94	91.10	91.54	92.10	92.55	92.75	93.57	95.17	.....	96.24 .....
25	90.56	90.96	91.14	91.60	92.17	92.58	92.77	93.78	95.43	.....	96.23 .....
Eom	90.64	90.97	91.19	91.72	92.31	92.63	92.79	93.91	95.58	96.18	96.24 96.36

Terrell County

4. Hicks Ranch. Lat 30°28', long 101°49'. Drilled stock artesian well in limestone, diam 6 in, depth 72 ft. MP top of iron water pipe clamp, 1.00 ft above lsd. Highest water level 36.10 below lsd, Dec. 7, 1959; lowest 37.79 below lsd, Jan. 26, 1955. Records available: 1955, 1957, 1959. Jan. 26, 1955, 37.79; Dec. 9, 37.64; Dec. 8, 1957, 36.97; Dec. 7, 1959, 36.10. No measurement made in 1956 or 1958.

5. Hicks Ranch. Lat 30°28', long 101°48'. Drilled unused artesian well in limestone, diam 10 in, depth 200+ ft. MP top of casing, 1.50 ft above lsd. Highest water level 72.10 below lsd, Dec. 7, 1959; lowest 75.28 below lsd, Jan. 26, 1955. Records available: 1955-57, 1959. Jan. 26, 1955, 75.28; Dec. 9, 75.12; Dec. 16, 1956, 74.92; Dec. 8, 1957, 73.26; Dec. 7, 1959, 72.10. No measurement made in 1958.

6. Hugh Childress, Jr. Lat 30°31', long 101°39'. Drilled irrigation artesian well in sand, diam 8 in, depth 60 ft, casing slotted below 40. MP  $\frac{1}{4}$ -in hole in base, 2.00 ft above lsd. Highest water level 29.40 below lsd, Dec. 7, 1959; lowest 33.15 below lsd, Dec. 16, 1956. Records available: 1955-57, 1959. Jan. 26, 1955, 31.67; Dec. 9, 32.57; Dec. 16, 1956, 33.15; Dec. 8, 1957, 32.05; Dec. 7, 1959, 29.40. No measurement made in 1958.

Terry County

2. J. P. Cox. Lat 33°00', long 102°29'. Drilled farm water-table well in sand, diam 4 in, depth 120 ft. MP top of wood pipe clamp, 1.50 ft above lsd. Highest water level 96.65 below lsd, Jan. 29, 1957; lowest 105.58 below lsd, June 25, 1937. Records available: 1937-40, 1943-44, 1953-57, 1959. Jan. 30, 1956, 97.27; Jan. 29, 1957, 96.65; Jan. 21, 1959, 97.40. No measurement made in 1958.

14. J. S. Smith. Lat 33°14', long 102°15'. Drilled stock water-table well in sand, diam 6 in, depth 102 ft. MP top of concrete base, 0.80 ft above lsd. Highest water level 71.69 below lsd, Feb. 4, 1952; lowest 90.52 below lsd, Jan. 19, 1959. Records available: 1937-40, 1950, 1952-57, 1959. Jan. 30, 1956, 78.33; Jan. 28, 1957, 86.20; Jan. 19, 1959, 90.52. No measurement made in 1958.

17a. Watkins. Lat 33°13', long 102°14'. Drilled stock water-table well in sand, diam 6 in, depth 90 ft. MP top of concrete base, 0.40 ft above lsd. Highest water level 76.78 below lsd, Feb. 25, 1944; lowest 84.41 below lsd, Jan. 12, 1954. Records available: 1938-40, 1943-44, 1949, 1952-59. Jan. 30, 1956, 80.06; Jan. 28, 1957, 79.87; Jan. 14, 1958, 80.98; Jan. 19, 1959, 81.39.

21a. Crump. Lat 33°18', long 102°12'. Drilled unused water-table well in sand, diam 6 in, depth 88 ft. MP top of pipe clamp, 1.10 ft above lsd. Highest water level 59.50 below lsd, Feb. 5, 1952; lowest 69.00 below lsd, Jan. 28, 1957. Records available: 1939-44, 1949-59. Jan. 30, 1956, 62.60; Jan. 28, 1957, 69.00; Jan. 14, 1958, 67.58; Jan. 19, 1959, 65.67.

Travis County

261(D-41). H. C. Warren. Lat 30°17', long 97°41'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 270 ft, cased to 90. Lsd 903.93 ft above msl. MP top of steel strap pipe clamp, 1.00 ft above lsd. Highest water level 184.96 below lsd, July 9, 1958; lowest 233.87 below lsd, Aug. 10, 1954. Records available: 1940-46, 1948-59.

## 261(D-41)--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1956	229.80	Jan. 9, 1957	232.76	Nov. 18, 1957	217.46	July 9, 1958	184.96
July 18	231.32	Mar. 19	230.42	Mar. 19, 1958	198.61	Nov. 17	201.91
Aug. 31	231.17	July 18	226.06	May 16	187.65	Dec. 15, 1959	219.81
Nov. 13	230.27						

266(D-30). Robinson Ranch. Lat 30°26', long 97°41'. Drilled farm artesian well in Edwards limestone, diam 5 in, depth 276 ft. Lsd 831.37 ft above msl. MP top of steel plate over casing, 0.90 ft above lsd. Highest water level 122.15 below lsd, May 16, 1958; lowest 250.67 below lsd, Jan. 9, 1957 (previously reported 250.91 below lsd, Aug. 10, 1954). Records available: 1940-46, 1948-59.

Mar. 15, 1956	247.43	Jan. 9, 1957	250.67	Nov. 18, 1957	224.41	Nov. 15, 1958	146.03
July 18	249.52	Mar. 19	250.57	Mar. 19, 1958	135.86	May 14, 1959	190.91
Aug. 31	250.25	May 14	244.96	May 16	122.15	Dec. 15	224.28
Nov. 14	250.63	July 18	235.51	July 9	128.47		

341(H-14). Austin Memorial Park Cemetery. Lat 30°19', long 97°45'. Drilled unused artesian well in Edwards limestone, diam 6 in, depth 330 ft, cased to 80. Lsd 707.05 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 132.4 below lsd, May 10, 1958; lowest 219.9 below lsd, Mar. 15, 1956. Records available: 1949-59.

## Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	214.5	214.3	218.7	214.4	213.6	214.6	214.9	214.4	214.3	214.5	214.4	215.3
10	214.3	214.1	219.4	214.6	213.8	214.8	214.7	214.3	214.5	214.6	214.6	215.1
15	214.4	214.4	219.9	214.4	214.3	214.6	214.6	214.4	214.6	214.7	214.8	215.1
20	214.1	215.5	217.6	214.8	214.5	214.7	214.4	214.3	214.6	214.5	215.2	215.0
25	214.1	216.7	215.4	214.6	214.6	214.8	214.5	214.4	214.7	214.6	215.4	215.0
Eom	214.4	217.7	214.7	214.4	214.7	214.7	214.4	214.4	214.7	214.6	215.3	215.1

## 1957

5	215.2	215.1	214.3	214.3	186.3	177.2	176.4	197.9	208.6	203.6	154.8	156.8
10	215.2	215.1	214.8	214.6	186.7	173.8	178.8	200.6	209.1	205.8	158.4	157.7
15	215.0	214.9	215.1	214.7	191.4	171.6	181.8	202.7	209.3	196.9	158.9	159.3
20	215.1	214.8	215.0	214.5	192.4	171.5	185.9	204.8	209.7	172.7	159.7	160.7
25	215.1	214.1	214.7	205.9	192.8	172.8	190.2	206.4	203.6	158.7	158.3	162.1
Eom	215.1	214.2	214.3	193.2	185.3	174.3	194.6	208.1	202.0	154.1	156.8	162.8

## 1958

5	163.9	161.6	134.0	151.2	134.1	151.1	153.2	161.4	166.7	.....	.....	164.4
10	164.2	163.2	135.8	153.3	132.4	153.7	154.8	162.2	.....	.....	158.7	165.9
15	162.9	163.3	139.5	154.2	135.1	155.7	156.2	163.0	.....	.....	159.5	167.3
20	162.0	163.4	142.9	155.3	139.0	150.9	157.0	163.9	.....	.....	161.0	168.1
25	161.1	136.1	145.5	156.3	143.0	150.3	158.9	164.7	.....	.....	162.2	169.2
Eom	160.3	134.2	148.6	148.8	147.8	151.5	160.4	165.8	.....	.....	163.6	170.1

## 1959

5	170.7	177.7	172.9	176.0	171.0	178.8	182.8	185.0	.....	.....	.....	182.0
10	171.2	178.3	172.9	175.5	172.6	179.5	184.2	186.9	.....	.....	.....	183.2
15	172.0	178.1	173.5	171.8	173.9	180.5	185.7	.....	.....	.....	.....	184.0
20	174.3	176.5	173.8	169.4	175.2	181.8	187.2	.....	.....	.....	.....	183.5
25	176.2	174.1	174.6	168.9	176.5	181.4	183.4	.....	.....	.....	.....	183.2
Eom	177.4	173.5	175.3	169.6	177.9	181.9	183.7	.....	.....	.....	.....	183.6

392(D-78). Tom Williams. Lat 30°23', long 97°44'. Drilled farm water-table well in limestone, diam 6 in, depth 49 ft, cased to 22. Lsd 872.73 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 8.09 below lsd, Mar. 28, 1946; lowest 22.56 below lsd, Mar. 15, 1956. Records available: 1940-46, 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1956	22.56	Jan. 10, 1957	21.67	Nov. 18, 1957	13.08	July 9, 1958	9.41
July 18	21.39	Mar. 19	21.23	Mar. 19, 1958	9.03	May 15, 1959	11.79
Aug. 31	21.05	May 14	21.32	May 16	8.53	Dec. 15	13.14
Nov. 14	22.12	July 18	16.92				

414(D-15). J. R. McElroy. Lat 30°25', long 97°45'. Drilled farm water-table well in limestone, diam 6 in, depth 90 ft, cased to 30. Lsd 950.09 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 36.91 below lsd, July 25, 1941 (previously reported 37.64 below lsd, Mar. 29, 1946); lowest 48.24 below lsd, Aug. 31, 1956. Records available: 1940-46, 1948-59.

Mar. 15, 1956	47.38	Jan. 9, 1957	44.19	Nov. 18, 1957	39.01	Nov. 17, 1958	38.85
July 18	47.76	Mar. 19	44.53	Mar. 19, 1958	38.21	May 15, 1959	38.85
Aug. 31	48.24	May 14	40.98	May 16	38.12	Dec. 15	39.51
Nov. 14	43.56	July 18	41.07	July 9	38.41		

## GROUND-WATER LEVELS, 1956-59, SOUTH-CENTRAL STATES

460(H-59). Rose Dellanna. Lat 30°16', long 97°46'. Drilled farm water-table well in Edwards limestone, diam 6 in, depth 135 ft. MP top of steel plate, 0.70 ft above lsd. Highest water level 73.80 below lsd, May 15, 1958; lowest 90.27 below lsd, May 29, 1956. Records available: 1937, 1941-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1956	88.12	Oct. 16, 1956	89.13	June 21, 1957	83.15	May 15, 1958	73.80
Feb. 23	88.37	Jan. 8, 1957	89.48	July 23	82.81	June 26	74.31
Mar. 25	88.55	Feb. 21	89.68	Sept. 6	83.13	July 25	74.92
Apr. 25	88.76	Mar. 15	89.52	Oct. 4	82.99	Aug. 22	75.94
May 29	90.27		89.49	Nov. 8	79.76	Nov. 10	77.03
June 26	88.50		89.47	Dec. 4	78.65	Mar. 26, 1959	78.54
July 26	88.61		89.48	Feb. 4, 1958	78.01	July 27	79.37
Aug. 29	88.70	Apr. 26	89.29	28	76.40	Dec. 1	79.28
Sept. 25	89.01	May 22	86.20	Apr. 4	74.77		

619(L-102). United Gas Pipe Line Co. Lat 30°05', long 97°47'. Drilled unused artesian well in Edwards limestone, diam 6 in, depth 703 ft, cased to 639. Lsd 735.98 ft above msl. MP hole in steel plate, 2.00 ft above lsd. Highest water level 143.11 below lsd, Jan. 20, 1959; lowest 181.23 below lsd, Nov. 26, 1956. Records available: 1943-59.

Jan. 25, 1956	175.63	Jan. 22, 1957	179.41	Feb. 27, 1958	153.94	Jan. 20, 1959	143.11
Feb. 23	175.90	Feb. 21	179.12	Mar. 27	151.38	Feb. 24	143.58
Mar. 23	176.51	Mar. 27	178.06	Apr. 29	148.63	Mar. 26	144.00
Apr. 25	177.10	Apr. 26	176.13	May 15	148.05	Apr. 27	144.37
May 29	177.34	May 29	171.98	27	147.04	May 26	144.07
June 26	177.66	June 21	168.57	June 19	145.97	June 24	143.97
July 26	178.62	July 23	165.92	26	145.98	July 27	144.71
Aug. 29	179.61	Aug. 28	165.20	July 25	145.19	Aug. 26	145.93
Sept. 25	180.30	Sept. 28	166.09	Aug. 27	145.93	Sept. 25	147.30
Oct. 16	180.77	Oct. 26	166.40	Sept. 25	147.14	Oct. 28	147.63
26	181.20	Nov. 30	161.40	Oct. 31	147.45	Nov. 25	145.85
Nov. 26	181.23	Dec. 31	158.29	Nov. 25	146.01	Dec. 29	144.36
Dec. 20	180.26	Jan. 31, 1958	156.02	Dec. 20	144.76		

687(H-105). Mrs. Elizabeth Jentsch. Lat 30°13', long 97°47'. Drilled farm artesian well in Edwards limestone, diam 4 in, depth 290 ft. MP top of steel plate, 0.60 ft above lsd. Highest water level 142.25 below lsd, July 28, 1941; lowest 225.52 below lsd, Mar. 9, 1956. Records available: 1939, 1941-46, 1948-59.

Mar. 9, 1956	225.52	Nov. 14, 1956	221.75	July 17, 1957	199.11	Nov. 18, 1958	165.32
July 18	222.28	Jan. 8, 1957	221.86	May 16, 1958	145.20	May 15, 1959	183.70
Aug. 31	222.16	Mar. 5	224.85	July 9	170.11	Dec. 16	200.27

## Upton County

2. Calcote. Lat 31°26', long 101°55'. Drilled unused water-table well in sand, diam 13 in, depth 300+ ft. MP top of casing, at lsd. Highest water level 161.58 below lsd, Dec. 5, 1959; lowest 163.95 below lsd, Dec. 15, 1956. Records available: 1954-57, 1959. Jan. 25, 1954, 162.63; Dec. 4, 161.85; Dec. 5, 1955, 161.72; Dec. 15, 1956, 163.95; Dec. 5, 1957, 162.74; Dec. 5, 1959, 161.58. No measurement made in 1958.

3. Calcote. Lat 31°27', long 101°56'. Drilled unused water-table well in sand, diam 13 in, depth 300+ ft. MP top of casing, 0.50 ft above lsd. Highest water level 159.57 below lsd, Dec. 5, 1959; lowest 164.14 below lsd, Dec. 5, 1955. Records available: 1954-57, 1959. Jan. 25, 1954, 160.64; Dec. 4, 160.20; Dec. 5, 1955, 164.14; Dec. 15, 1956, 161.80; Dec. 5, 1957, 160.66; Dec. 5, 1959, 159.57. No measurement made in 1958.

## Uvalde County

G-3-18. U.S. Geol. Survey. Lat 29°24', long 100°00'. Drilled observation water-table well in sand and gravel, diam 7 in, depth 60 ft, cased to 60. Lsd 1,122.00 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 40.73 below lsd, June 18, 1958; lowest 42.99 below lsd, Sept. 21, 1957. Records available: 1957-59. Recorder installed May 24, 1957.

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	41.96	42.54	42.76	42.93	42.96	42.77	42.78
10	.....	.....	.....	.....	.....	42.31	42.58	42.81	42.95	42.68	42.77	42.80
15	.....	.....	.....	.....	.....	42.42	42.62	42.83	42.94	42.86	42.77	42.80
20	.....	.....	.....	.....	.....	42.49	42.64	42.85	42.98	42.76	42.78	42.81
25	.....	.....	.....	h41.00	42.42	42.51	42.65	42.87	42.83	42.68	42.79	42.55
Eom	.....	.....	.....	.....	41.76	42.51	42.72	42.89	42.91	42.77	42.78	42.81

h Tape measurement.

## G-3-18--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.48	42.80	42.47	42.47	42.47	42.70	42.38	42.53	42.62	42.18	42.14	42.37
10	42.80	42.81	42.30	42.49	42.55	42.73	42.38	42.54	42.55	42.20	42.22	42.39
15	42.84	42.80	42.49	42.50	42.55	42.75	42.46	42.53	42.59	42.28	42.28	42.40
20	42.85	42.81	42.53	42.52	42.02	41.57	42.50	42.55	41.78	42.30	42.30	42.43
25	42.67	42.35	42.53	42.55	.....	42.12	42.50	42.56	41.75	42.33	42.32	42.44
Eom	42.78	42.30	42.49	42.58	.....	42.30	42.52	42.57	41.97	42.15	42.35	42.43

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.45	42.48	42.51	42.52	42.45	42.50	42.28	42.37	42.45	41.82	42.45	42.55
10	42.46	42.48	42.52	42.50	42.50	42.50	42.30	42.40	42.46	42.14	42.47	42.55
15	42.46	42.50	42.52	42.50	42.52	42.52	42.32	42.42	42.45	42.25	42.50	42.55
20	42.47	42.50	42.52	42.50	42.48	42.54	42.32	42.43	42.46	42.34	42.50	42.55
25	42.47	42.51	42.52	42.50	42.36	42.40	42.38	42.43	42.00	42.39	42.53	42.55
Eom	42.48	42.51	42.52	42.50	42.47	42.28	42.35	42.43	42.38	42.43	42.53	42.55

H-1-19. U. S. Geol. Survey. Indian Creek well. Lat 29°25', long 99°53'. Drilled observation water-table well in Edwards limestone, diam 6 in, depth 396 ft. Lsd 1, 247.00 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 109.95 below lsd, June 22-23, 1958; lowest 128.07 below lsd, Dec. 25, 1956. Records available: 1955-59. Recorder installed May 30, 1956. Nov. 24, 1955, 127.51.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	127.73	127.80	127.87	127.92	127.98	127.99	127.98
10	.....	.....	.....	.....	.....	127.77	127.83	127.87	127.94	127.99	128.00	128.01
15	.....	.....	.....	.....	.....	127.72	127.85	127.87	127.90	127.97	127.89	127.95
20	.....	.....	.....	.....	.....	127.77	127.85	127.88	127.93	127.97	127.91	128.02
25	.....	.....	.....	.....	.....	127.79	127.84	127.90	127.94	127.96	127.98	128.07
Eom	.....	.....	.....	.....	127.71	127.77	127.84	127.87	127.99	127.95	127.99	127.96

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	128.01	127.98	127.92	127.92	127.60	124.95	126.10	126.42	126.64	126.65	126.40	126.65
10	127.98	127.98	127.90	127.90	127.55	125.20	126.13	126.45	126.63	126.68	126.55	126.68
15	127.96	127.97	128.00	127.92	127.56	125.50	126.20	126.50	126.67	126.52	126.43	126.65
20	127.96	127.98	127.92	127.85	127.20	125.80	126.26	126.55	126.68	126.65	126.55	126.68
25	127.98	127.92	127.96	127.79	127.21	125.92	126.33	126.55	126.60	126.35	126.61	126.73
Eom	127.97	127.97	127.87	127.60	124.12	126.03	126.35	126.62	126.63	126.23	126.70	126.73

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	126.74	126.65	125.28	125.57	125.86	126.04	118.52	122.67	123.63	116.08	112.05	120.85
10	126.67	126.70	125.13	125.67	125.83	126.00	119.99	122.89	123.24	118.96	111.92	121.48
15	126.75	126.67	125.25	125.70	125.93	126.03	120.88	123.07	123.28	120.45	113.26	121.80
20	126.65	126.73	125.37	125.70	125.94	111.55	121.50	123.23	122.05	121.32	115.75	122.44
25	126.64	123.45	125.45	124.80	125.94	110.75	121.93	123.35	119.80	121.97	118.78	122.45
Eom	126.65	124.80	125.56	125.81	125.96	115.02	122.38	123.50	117.18	115.54	120.07	122.57

1959

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	122.78	123.24	123.57	123.94	124.13	124.35	121.98	123.73	124.20	.....	121.48	.....
10	122.88	123.32	123.66	124.00	124.13	124.37	122.70	123.84	124.24	.....	121.87	.....
15	122.89	123.47	123.68	124.02	124.25	124.40	123.05	123.93	124.22	.....	122.17	.....
20	122.95	123.55	123.73	124.00	124.23	124.44	123.31	124.00	124.32	.....	122.27	.....
25	123.14	123.57	123.80	124.10	124.28	124.32	123.46	124.07	120.90	119.84	122.48	.....
Eom	123.28	123.57	123.87	124.12	124.31	121.53	123.67	124.10	.....	121.07	.....	.....

e Estimated.

H-2-4. H. I. Holmes. Lat 29°23', long 99°42' (previously reported 99°12'). Drilled farm water-table well in Edwards limestone, diam 6 in, depth previously reported 190 ft, deepened to 290 ft, May 16, 1957. Lsd 1, 153.58 ft above msl. MP top of water pipe clamp, 2.10 ft above lsd. Highest water level 113.01 below lsd, Nov. 30, 1932; lowest 230.45 below lsd, Apr. 26, 1957. Records available: 1929-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1956	213.09	Mar. 14, 1957	228.71	Nov. 6, 1957	201.97	Nov. 13, 1958	120.03
Mar. 15	214.03	Apr. 26	230.45	Dec. 3	196.97	Jan. 29, 1959	115.69
May 11	215.14	May 16	229.85	Jan. 16, 1958	190.78	Mar. 17	116.11
July 12	216.53	July 8	218.54	Mar. 27	175.39	May 15	117.69
Aug. 30	218.82	Aug. 7	214.40	May 9	164.77	July 16	118.23
Nov. 15	222.08	Sept. 11	211.47	July 11	146.75	Sept. 17	117.78
Jan. 11, 1957	225.04	Oct. 4	208.55	Sept. 17	135.26	Nov. 19	115.31
Feb. 12	227.00						

H-2-5. Mrs. W. E. Fitzgerald. Lat 29°27', long 99°40'. Drilled farm water-table well in Edwards limestone, diam 5 in, depth 100 ft. Lsd 1,174.82 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 36.50 below lsd, July 9, 1932; lowest 97.69 below lsd, Apr. 15, 1954. Records available: 1929-58. Jan. 13, 1956, 87.23; Mar. 15, 87.80; May 11, 88.33; July 8, 64.86; Nov. 7, 1957, 53.83; Mar. 31, 1958, 55.40. Measurement discontinued.

H-4-34. John Rosenow. Lat 29°15', long 99°58'. Drilled stock artesian well in Edwards limestone, diam 10 in, depth 593 ft. Lsd 1,082.50 ft above msl. MP top of water pipe clamp, 0.50 ft above lsd. Highest water level 146.47 below lsd, Nov. 17, 1959; lowest 216.91 below lsd, Nov. 13, 1956. Records available: 1929-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	188.15	Apr. 23, 1957	200.26	Dec. 4, 1957	165.01	Jan. 27, 1959	149.44
Mar. 14	204.05	May 14	188.83	Jan. 14, 1958	164.88	Mar. 18	149.94
Aug. 31	243.22	July 10	178.71	Mar. 25	159.38	May 13	150.41
Nov. 13	216.91	Aug. 7	168.60	May 7	159.19	July 14	148.30
Jan. 9, 1957	192.94	Sept. 10	172.62	July 10	154.26	Sept. 15	146.98
Feb. 5	210.63	Oct. 4	172.63	Sept. 18	153.86	Nov. 17	146.47
Mar. 12	198.45	Nov. 5	164.21	Nov. 12	148.85		

b Well pumped recently.

H-5-1. City of Uvalde. Lat 29°12', long 99°46'. Drilled unused (previously reported public-supply) artesian well in Edwards limestone, diam 12 in, depth 350 ft. Lsd 904.85 ft above msl. MP top of pit, at lsd. Highest water level 26.74 below lsd, July 6, 1937; lowest 93.90 below lsd, Apr. 13, 1957. Records available: 1929-32, 1934-59.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.05	70.70	73.17	76.46	78.18	81.52	83.76	87.44	87.65	90.13	87.37	90.13
10	71.05	70.88	73.87	76.73	79.14	82.43	84.16	87.78	87.86	90.35	87.36	89.99
15	71.22	71.48	74.54	77.49	79.39	83.33	85.22	88.05	88.75	90.23	87.80	90.61
20	71.28	72.13	74.92	77.85	80.29	82.87	85.95	87.83	89.12	88.57	88.26	89.97
25	71.02	72.10	75.45	77.40	80.15	83.43	86.25	86.95	89.43	87.55	88.98	89.63
Eom	70.88	72.64	75.94	77.73	80.80	84.28	86.85	87.28	89.72	87.40	89.53	89.93

1957

5	90.49	91.18	92.39	92.97	86.60	76.68	72.29	72.37	73.80	71.84	66.73	65.10
10	90.56	91.70	92.70	93.53	85.83	75.17	72.13	73.04	73.83	70.17	66.62	65.02
15	90.76	92.18	92.76	93.57	85.45	73.90	71.70	73.22	73.79	69.52	66.03	64.90
20	90.82	91.94	93.03	92.77	84.07	72.57	72.22	73.05	74.18	69.23	65.82	64.90
25	91.16	91.80	92.75	90.56	82.57	72.10	72.17	73.15	72.53	67.95	65.43	64.52
Eom	91.27	92.14	93.55	88.00	78.86	72.37	72.32	73.51	71.87	67.36	65.24	64.04

1958

5	63.68	61.53	58.70	55.75	54.42	53.28	50.39	49.62	48.30	44.94	42.13	40.17
10	63.20	61.25	58.12	55.59	54.09	53.45	50.02	49.58	47.73	44.60	41.70	39.91
15	62.95	60.96	57.58	55.38	53.70	53.65	49.83	48.80	47.35	44.14	41.30	39.61
20	62.66	60.92	57.01	55.01	53.33	52.04	49.77	48.56	46.53	43.67	41.12	39.39
25	62.17	59.71	56.49	55.01	53.08	51.37	49.68	48.45	45.93	43.33	40.78	39.13
Eom	61.79	59.37	56.10	54.77	53.01	50.88	49.61	48.42	45.40	42.68	40.54	38.76

1959

5	38.55	37.14	36.39	36.14	35.08	34.45	33.32	31.96	.....	30.65	29.39	28.95
10	38.27	36.99	36.42	35.99	34.80	34.34	33.22	31.95	.....	30.39	29.28	28.98
15	37.99	36.86	36.35	35.68	34.82	34.52	33.11	32.07	.....	30.09	29.16	28.98
20	37.74	36.75	36.23	35.43	34.75	34.72	32.74	32.23	.....	29.85	29.03	29.00
25	37.66	36.48	36.23	35.40	34.63	34.44	32.23	32.09	31.51	29.65	28.93	28.87
Eom	37.45	36.37	36.20	35.35	34.47	33.55	32.05	.....	31.36	29.55	28.95	28.79

H-5-22. W. Henderson. Formerly Jack Dean. Lat 29°14', long 99°47'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 190 ft. Lsd 933.81 ft above msl. MP top of water pipe clamp, 0.65 ft above lsd. Highest water level 52.90 below lsd, Apr. 10, 1933; lowest 115.30 below lsd, Sept. 1, 1956. Records available: 1929-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	100.52	Sept. 1, 1956	115.30	Nov. 7, 1957	96.11	July 9, 1958	78.45
Mar. 16	103.80	July 9, 1957	101.77	Jan. 16, 1958	92.10	Nov. 13	69.38
May 8	107.63	Aug. 7	102.50	Mar. 25	84.26	Jan. 27, 1959	65.52
July 12	113.50	Sept. 12	102.95	May 9	82.66		

H-5-51. E. B. Hooker. Formerly O. T. Caldwell. Lat 29°09', long 99°49'. Drilled stock artesian well in Edwards limestone, diam 6 in, depth 85 ft. Lsd 907.54 ft above msl. MP top of water pipe clamp, 0.50 ft above lsd. Highest water level 34.70 below lsd, Apr. 11, 1933; lowest 90.13 below lsd, Mar. 15, 1957. Records available: 1929-59.



## H-5-51--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	70.46	Feb. 5, 1957	89.12	Oct. 4, 1957	71.85	Nov. 14, 1958	46.96
Mar. 16	72.36	Mar. 15	90.13	Nov. 5	67.48	Jan. 27, 1959	42.86
May 8	76.76	Apr. 23	89.60	Jan. 16, 1958	63.32	Mar. 20	41.35
July 12	82.42	May 16	82.52	Mar. 24	59.77	May 15	40.15
Aug. 28	85.74	July 10	70.72	May 7	58.22	July 16	38.61
Nov. 15	86.78	Aug. 6	70.75	July 10	54.54	Sept. 17	38.22
Jan. 9, 1957	88.51	Sept. 11	72.43	Sept. 18	52.38	Nov. 19	35.91

H-5-174. U. S. Fish and Wildlife Service. Lat 29°10', long 99°50'. Drilled unused artesian well in Edwards limestone, diam 12 in, depth 1,150 ft. Lsd 912, 20 ft above msl. MP top of casing, 2.10 ft above lsd. Highest water level 34.5 below lsd, Apr. 30, 1959; lowest 74.62 below lsd, May 25, 1953. Records available: 1951-59. Recorder installed Nov. 1, 1951.

## Highest water level for the day, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	....	....	....	....	....	56.0	56.8
10	....	....	....	....	....	....	h52.0	....	....	....	56.1	57.4
15	....	....	....	....	....	....	....	....	....	....	56.1	57.7
20	....	....	....	....	....	....	....	....	....	....	....	57.5
25	....	....	....	....	....	....	....	....	....	....	56.5	57.9
Eom	....	....	....	....	....	....	h52.0	....	....	....	56.8	58.1

## 1952

5	58.5	60.5	60.9	61.3	60.2	....	63.1	64.3	66.1	66.4	66.8	67.1
10	58.8	60.4	60.9	60.8	60.6	63.1	....	64.3	66.1	66.3	66.7	66.9
15	58.8	....	60.9	60.6	60.7	62.4	....	64.6	65.9	66.5	66.5	67.1
20	59.4	60.7	60.9	60.5	60.9	61.9	....	65.1	66.4	66.4	66.4	67.5
25	60.4	60.9	60.8	60.4	60.8	62.5	64.1	65.6	66.2	66.4	66.5	67.9
Eom	60.9	60.9	60.6	60.0	....	62.4	64.2	65.9	66.1	66.5	66.5	67.8

## 1953

5	67.6	70.1	72.3	72.9	73.3	68.9	67.7	70.4	69.6	62.5	58.9	60.4
10	68.0	70.5	72.2	72.9	73.4	68.7	67.6	70.7	66.2	61.5	58.5	....
15	68.2	70.7	72.1	72.6	73.4	68.5	67.7	71.3	64.7	60.9	58.6	....
20	68.8	71.4	72.3	72.5	74.1	68.9	67.6	72.7	64.0	60.3	58.6	61.7
25	69.2	71.5	72.5	72.5	74.6	68.3	68.9	73.6	63.3	59.9	58.9	....
Eom	69.5	71.7	72.9	73.1	67.0	68.1	69.8	73.5	63.0	59.3	59.9	....

## 1954

5	....	63.3	65.5	67.5	65.6	58.8	55.9	55.1	57.0	55.8	55.5	57.6
10	62.7	63.2	65.5	67.3	65.5	58.2	55.0	55.5	56.9	55.2	55.6	57.9
15	62.7	63.7	66.0	66.8	66.1	58.1	54.4	55.8	56.6	55.2	55.6	58.0
20	62.8	64.7	65.9	66.5	65.9	57.5	54.0	56.2	56.3	55.2	56.0	58.0
25	....	64.6	66.3	66.5	....	57.3	54.1	56.8	56.4	55.2	56.9	58.2
Eom	63.2	65.3	67.1	65.9	60.2	56.1	54.1	56.9	56.3	55.4	57.4	58.5

## 1955

5	58.7	59.2	58.5	....	61.0	57.3	61.4	63.2	63.2	60.6	58.8	58.2
10	58.9	59.1	58.6	....	61.0	56.9	62.0	63.6	63.1	59.6	58.4	....
15	58.8	58.4	58.9	....	60.4	55.0	62.5	63.4	63.2	59.2	58.1	....
20	58.8	58.3	59.0	....	58.9	55.2	62.5	63.1	63.8	59.0	58.1	58.4
25	59.0	58.3	58.8	59.9	57.8	56.9	62.0	63.4	63.1	59.0	58.1	58.5
Eom	59.1	58.4	....	61.2	57.5	59.7	61.8	63.0	62.1	58.7	57.9	58.6

## 1956

5	58.7	e58.2	....	58.9	59.5	60.8	63.0	63.3	64.9	66.0	64.5	68.1
10	58.6	e57.7	58.5	58.9	59.5	61.4	62.4	63.9	65.8	65.4	64.6	68.8
15	58.8	e57.5	58.5	59.1	60.0	62.2	63.2	64.0	65.8	66.0	64.8	69.2
20	59.0	e57.7	58.4	59.7	60.1	62.3	63.7	64.4	66.3	65.8	65.2	69.9
25	59.0	....	58.9	59.5	60.5	62.4	63.5	64.3	65.7	64.8	66.0	70.3
Eom	58.3	....	59.1	59.5	60.4	63.1	63.2	64.6	65.5	64.6	67.1	71.1

## 1957

5	71.9	66.7	64.9	65.9	59.6	52.7	50.3	51.8	54.7	54.1	52.1	52.6
10	71.8	66.6	65.2	65.7	58.9	51.7	50.4	52.7	55.1	53.4	52.3	53.1
15	70.5	66.3	65.2	65.4	58.8	51.2	50.5	53.2	54.7	52.8	51.9	53.4
20	69.2	66.0	65.2	64.4	57.3	50.5	50.9	53.6	54.9	52.5	51.9	53.8
25	68.5	65.5	65.5	62.5	55.9	50.3	50.9	53.9	54.6	52.2	52.0	53.8
Eom	67.4	65.3	66.2	60.3	54.0	50.3	51.5	54.3	54.3	52.1	52.4	53.8

e Estimated.

h Tape measurement.

H-5-174--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	53.2	51.8	48.8	44.0	43.7	43.7	39.7	38.7	39.5	41.2	41.0	40.3
10	52.6	51.9	47.9	44.0	43.6	43.7	39.3	38.9	39.5	41.5	40.9	40.4
15	52.3	51.7	46.7	44.0	43.7	43.5	39.3	39.2	39.6	41.4	40.8	40.5
20	52.3	51.4	45.8	44.0	43.6	40.9	....	39.8	40.1	41.3	40.8	40.6
25	52.3	50.9	45.2	43.9	43.4	39.6	39.4	39.4	40.8	41.5	40.4	40.6
Eom	52.0	50.3	44.6	43.9	43.1	39.9	39.0	39.5	41.2	41.0	40.5	40.6
1959												
5	40.6	40.2	38.6	36.8	35.1	37.3	36.7	35.7	....	36.1	36.1	37.6
10	40.6	40.2	38.1	36.2	35.9	37.3	36.5	35.7	....	35.9	36.5	37.6
15	40.5	40.2	37.7	35.6	36.5	37.3	36.5	35.7	....	35.9	36.9	37.6
20	40.3	40.3	37.1	35.2	36.7	37.3	36.4	36.0	....	35.9	37.2	37.8
25	40.4	39.7	37.1	34.7	36.8	37.1	36.1	36.0	35.9	35.9	37.3	37.6
Eom	40.3	39.3	37.2	34.5	37.1	37.0	36.0	....	35.9	35.8	37.5	37.7

H-6-16. Cecil Reagan. Lat 29°15', long 99°35'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 1,330 ft. Lsd 934.34 ft above msl. MP top of water pipe clamp, 0.60 ft above lsd. Highest water level 129.62 below lsd, July 7, 1937; lowest 272.60 below lsd, Aug. 31, 1956. Records available: 1929-34, 1936-38, 1940-44, 1946-58. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1956	243.84	Nov. 15, 1956	272.55	Aug. 8, 1957	a266.25	Dec. 6, 1957	234.49
Mar. 15	252.03	Feb. 6, 1957	260.29	Sept. 10	a244.26	Jan. 16, 1958	217.89
May 8	264.45	Mar. 25	a267.98	Oct. 5	234.54	Mar. 24	210.73
July 12	262.65	Apr. 25	267.98	Nov. 4	239.91	July 7	a214.52
Aug. 31	272.60	July 8	252.95				

a Well being pumped.

XU-9(G-6-4). Frank Kirchgraber. Lat 29°14', long 100°02'. Drilled farm water-table well in Austin chalk, diam 6 in, depth 120 ft. MP top of water pipe clamp, 0.60 ft above lsd. Highest water level 40.38 below lsd, Nov. 17, 1959; lowest 77.78 below lsd, Apr. 8, 1953 (previously reported 94.74 below lsd, Aug. 12, 1953). Records available: 1937-59.

Jan. 10, 1956	67.61	Feb. 5, 1957	75.11	Sept. 10, 1957	53.45	Nov. 12, 1958	49.03
May 9	73.12	Mar. 12	74.45	Nov. 5	53.19	Mar. 18, 1959	42.21
July 10	74.82	Apr. 23	64.73	Jan. 14, 1958	53.85	May 13	42.10
Sept. 5	76.34	May 14	57.71	May 6	54.00	July 14	42.62
Nov. 13	73.55	July 10	49.88	July 10	51.31	Sept. 15	41.57
Jan. 9, 1957	73.75	Aug. 8	51.66	Sept. 18	51.73	Nov. 17	40.38

XU-10(G-6-5). Texas & New Orleans RR. Co. Cline. Lat 29°14', long 100°04'. Dug domestic and industrial water-table well in Austin chalk, diam 10 ft, depth 68 ft, curbed with brick to 25. MP top of rock curb, 2.75 ft above lsd. Highest water level 23.29 below lsd, Nov. 17, 1959; lowest 61.74 below lsd, Aug. 12, 1953. Records available: 1937-59.

Jan. 10, 1956	51.17	Feb. 5, 1957	54.94	Oct. 4, 1957	38.90	Nov. 12, 1958	28.79
Mar. 13	52.46	Mar. 12	55.30	Nov. 5	39.21	Mar. 18, 1959	26.54
May 9	54.07	Apr. 23	49.34	Jan. 14, 1958	40.39	May 13	26.94
July 10	55.44	May 14	44.71	May 7	37.56	July 14	26.73
Sept. 5	56.61	July 10	34.11	July 10	35.57	Sept. 15	25.69
Nov. 13	53.33	Aug. 8	33.15	Sept. 18	32.28	Nov. 17	23.29
Jan. 7, 1957	55.27	Sept. 10	38.39				

## Val Verde County

J-2. B. E. Wilson. Lat 30°11', long 101°05'. Drilled irrigation water-table well in Edwards limestone, diam 16 in, depth 150 ft, not cased. MP lower edge of porthole, 3.00 ft above lsd. Highest water level 82.34 below lsd, Dec. 9, 1957; lowest 96.75 below lsd, Dec. 16, 1956. Records available: 1954-57, 1959. Jan. 27, 1954, 94.99; Jan. 27, 1955, 88.41; Dec. 9, 90.35; Dec. 16, 1956, 96.75; Dec. 9, 1957, 82.34; Dec. 8, 1959, 82.51. No measurement made in 1958.

J-3. B. E. Wilson. Lat 30°10', long 101°04'. Drilled irrigation water-table well in Edwards limestone, diam 12 in. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 34.84 below lsd, Dec. 9, 1957; lowest 43.62 below lsd, Dec. 17, 1956. Records available: 1954-57, 1959. Jan. 27, 1954, 43.00; Jan. 27, 1955, 39.35; Dec. 9, 40.19; Dec. 17, 1956, 43.62; Dec. 9, 1957, 34.84; Dec. 8, 1959, 35.94. No measurement made in 1958.

J-4. B. E. Wilson. Lat 30°10', long 101°01'. Drilled irrigation water-table well in Edwards limestone, diam 18 in, depth about 200 ft, not cased. MP lower edge of porthole, 2.00 ft above lsd. Highest water level 46.47 below lsd, Dec. 9, 1957; lowest 64.68 below lsd, Jan. 27, 1954. Records available: 1954-57, 1959. Jan. 27, 1954, 64.68; Jan. 27, 1955, 57.81; Dec. 9, 58.37; Dec. 17, 1956, 61.92; Dec. 9, 1957, 46.47; Dec. 8, 1959, 49.85. No measurement made in 1958.

J-7. J. V. Drisdale. Lat 30°13', long 100°57'. Drilled unused water-table well in Edwards limestone, diam 18 in, depth 215 ft, not cased. MP top of concrete base, 1.00 ft above lsd. Highest water level 82.47 below lsd, Dec. 9, 1957; lowest 101.59 below lsd, Dec. 17, 1956. Records available: 1954-57, 1959. Jan. 27, 1954, 97.18; Jan. 27, 1955, 95.51; Dec. 9, 96.18; Dec. 17, 1956, 101.59; Dec. 9, 1957, 82.47; Dec. 8, 1959, 87.03. No measurement made in 1958.

XV-1a. U. S. Air Force. Lat 29°21', long 100°48'. Drilled unused artesian well in Edwards limestone, diam 8 in, depth 860 ft, cased to 750. Lsd 1,057. 10 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 61.02 below lsd, Nov. 20, 25, 1959; lowest 81.72 below lsd, Mar. 13, 1957. Records available: 1954-59. Recorder installed Oct. 30, 1957.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1954	70.56	July 12, 1955	77.59	May 10, 1956	77.52	Mar. 13, 1957	81.72
Nov. 11	68.06	Sept. 13	77.21	July 11	79.22	May 15	76.38
Jan. 13, 1955	68.88	Nov. 10	72.93	Aug. 27	80.16	July 10	70.15
Mar. 11	72.30	Jan. 11, 1956	74.44	Nov. 14	80.07	Sept. 11	70.28
May 12	76.56	Mar. 14	75.92	Jan. 10, 1957	80.98		

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	69.90	70.25
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.10	70.51
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	69.86	70.45
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.06	70.62
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.11	70.76
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	69.94	70.44	71.10

1958

5	70.93	70.97	70.90	70.13	69.88	69.55	67.27	65.91	65.08	63.57	62.58	62.11
10	70.87	71.13	70.81	70.30	69.82	69.26	68.20	65.68	64.99	63.51	62.57	62.41
15	71.08	71.25	70.72	70.16	71.07	69.28	67.57	65.47	64.90	63.30	62.41	62.44
20	70.93	71.38	70.65	70.01	70.12	68.54	66.93	65.37	64.18	62.95	62.53	62.22
25	70.92	70.98	70.51	70.15	69.70	67.98	66.55	65.28	63.75	63.03	62.33	62.22
Eom	70.95	71.13	70.30	70.01	69.51	67.52	66.10	65.21	63.64	62.85	62.43	62.23

1959

5	62.39	62.10	62.15	62.13	61.88	61.70	61.37	61.18	61.50	61.58	61.15	61.30
10	62.28	62.09	62.00	62.26	61.72	61.65	61.42	61.28	61.67	61.41	61.06	61.22
15	62.12	62.26	62.13	62.12	61.98	61.70	61.37	61.35	61.38	61.35	61.10	61.33
20	61.89	62.28	62.00	62.00	61.58	61.71	61.32	61.52	61.54	61.21	61.02	61.53
25	62.17	62.07	62.05	62.08	61.78	61.67	61.27	61.54	61.48	61.11	61.02	61.36
Eom	62.32	62.09	62.08	62.12	61.65	61.52	61.31	61.43	61.50	61.27	61.22	61.38

XV-2. L. A. McNutt. Lat 29°22', long 100°51'. Drilled farm artesian well in Edwards limestone, diam 8 in, depth 145 ft. MP top of water pipe clamp, 2.75 ft above lsd. Highest water level 64.02 below lsd, Nov. 18, 1959; lowest 93.87 below lsd, Aug. 7, 1952. Records available: 1937-44, 1946-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1956	80.56	Jan. 10, 1957	85.75	Jan. 15, 1958	72.80	Mar. 19, 1959	66.47
Mar. 13	77.69	Mar. 13	87.86	May 8	71.25	May 14	66.08
May 10	79.32	May 15	84.82	July 10	67.90	July 14	65.58
July 11	80.80	July 10	84.70	Sept. 19	67.54	Sept. 16	65.06
Aug. 28	88.71	Sept. 11	72.96	Jan. 28, 1959	65.74	Nov. 18	64.02
Nov. 14	84.19	Nov. 6	71.49				

XV-3. Patricio Confreres. Lat 29°22', long 100°52'. Drilled farm artesian well in Edwards limestone, diam 4 in, depth 60 ft. MP top of water pipe clamp, 1.00 ft above lsd. Highest water level 36.00 below lsd, Nov. 18, 1959; lowest 49.86 below lsd, Aug. 10, 1953. Records available: 1937-59.

Jan. 11, 1956	37.91	Jan. 10, 1957	42.19	Jan. 15, 1958	37.92	Mar. 19, 1959	36.21
Mar. 13	39.86	Mar. 13	41.65	May 8	37.46	May 14	36.32
May 10	39.97	May 15	38.05	July 10	37.62	July 14	36.22
July 11	39.41	July 10	37.30	Sept. 19	37.36	Sept. 16	36.18
Aug. 27	41.53	Sept. 11	37.75	Jan. 28, 1959	36.11	Nov. 18	36.00
Nov. 14	41.00	Nov. 6	37.48				

## Walker County

A-1. R. B. Stutts. Lat 30°50', long 95°48'. Drilled farm artesian well in sand, diam 4 in, depth 336 ft. MP top of casing, 0.50 ft above lsd. Highest water level 34.60 below lsd, July 5, 1951; lowest 58.90 below lsd, July 7, 1953. Records available: 1948, 1951-58. No measurement made in 1959.

Sept. 3, 1948	35.21	July 7, 1953	58.90	July 5, 1955	53.20	July 15, 1957	39.16
July 5, 1951	34.60	July 14, 1954	46.48	July 10, 1956	43.40	July 7, 1958	37.36
July 7, 1952	34.95						

G-18a. State Fish Hatchery. Lat 30°44', long 95°28'. Drilled domestic artesian well in sand, diam 6 in, depth 167 ft, cased, bottom screened. MP top of 3- x 3-in wood block, 0.50 ft above lsd. Highest water level 18.93 below lsd, July 6, 1950; lowest 24.06 below lsd, July 16, 1957. Records available: 1950-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 6, 1950	18.93	July 8, 1953	19.96	July 6, 1955	21.60	July 16, 1957	24.06
July 11, 1951	19.90	July 15, 1954	21.45	July 11, 1956	23.00	July 9, 1958	22.97
July 8, 1952	19.36						

G-22. City of Huntsville well 7. Lat 30°43', long 95°33'. Drilled public-supply artesian well in sand, diam 16 to 8 in, depth 673 ft, screened opposite sands 360-659. MP top of 3-in pipe, 3.00 ft above lsd. Highest water level 202.55 below lsd, Apr. 8, 1947; lowest 298.34 below lsd, Sept. 18, 1957. Records available: 1947, 1950-58. No measurement made in 1959.

Apr. 8, 1947	202.55	July 8, 1952	227.05	July 5, 1955	253.95	Sept. 18, 1957	298.34
July 5, 1950	235.74	July 22, 1953	234.22	July 11, 1956	255.22	July 9, 1958	276.93
July 11, 1951	248.87	July 15, 1954	281.22	July 15, 1957	261.91		

b Well pumped recently.

g Measurement by W. George.

G-33. L. S. Hobby. Lat 30°42', long 95°29'. Drilled domestic artesian well in sand, diam 4 in, depth 147 ft. MP top of casing, 1.40 ft above lsd. Highest water level 75.24 below lsd, July 8, 1952; lowest 78.75 below lsd, July 16, 1957. Records available: 1948, 1950-58. No measurement made in 1959.

July 15, 1948	75.62	July 8, 1952	75.24	July 6, 1955	77.66	July 16, 1957	78.75
July 6, 1950	75.63	July 8, 1953	76.84	July 11, 1956	78.49	July 9, 1958	77.87
July 11, 1951	75.60	July 15, 1954	77.62				

I-1. P. B. Parten. Lat 30°39', long 95°49'. Bored farm artesian well in sand, diam 6 in, depth 86 ft. MP top of casing, 2.00 ft above lsd. Highest water level 26.97 below lsd, July 29, 1948; lowest 31.46 below lsd, July 15, 1957. Records available: 1948, 1950-58. No measurement made in 1959.

July 29, 1948	26.97	July 7, 1952	30.41	July 5, 1955	30.40	July 15, 1957	31.46
July 6, 1950	27.64	July 7, 1953	29.71	July 10, 1956	30.97	July 8, 1958	31.36
July 10, 1951	28.26	July 14, 1954	30.94				

K-14. Annie Campbell. Elmina. Lat 30°33', long 95°28'. Drilled unused artesian well in sand, diam 8 to 6 in, depth 425 ft, screened to 50. MP top of water pipe clamp, 0.30 ft above lsd. Highest water level 94.70 below lsd, 1912; lowest 142.37 below lsd, July 15, 1957. Records available: 1912, 1948, 1950-58. No measurement made in 1959.

1912	94.70	July 10, 1951	135.44	July 15, 1954	138.63	July 15, 1957	142.37
May 10, 1948	133.00	July 7, 1952	136.19	July 5, 1955	139.42	July 8, 1958	141.69
July 5, 1950	134.01	July 7, 1953	137.17	July 10, 1956	140.53		

#### Waller County

223(F-25). T. B. Tucker. Lat 29°52', long 95°53'. Drilled irrigation artesian well in sand, diam 16 to 12 in, depth 767 ft, screened opposite sands below 117. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 47.53 below lsd, Apr. 28, 1931; lowest 84.17 below lsd, Nov. 16, 1959. Records available: 1931, 1933, 1939-59. Mar. 15, 1956, 77.56; Nov. 19, 81.17; Mar. 13, 1957, 79.75; Dec. 2, 81.88; Dec. 3, 1958, 83.10; Mar. 25, 1959, 81.98; Nov. 16, 84.17.

235(H-35). John Cope. Lat 29°46', long 95°51'. Drilled irrigation artesian well in sand, diam 24 in, depth 175 ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 48.55 below lsd, Mar. 12, 1931; lowest 83.69 below lsd, Nov. 16, 1959. Records available: 1931, 1933, 1939-59.

Mar. 9, 1956	79.02	Mar. 15, 1957	80.97	Mar. 18, 1958	82.19	Mar. 11, 1959	83.21
Nov. 21	81.35	Nov. 27	81.97	Dec. 2	83.68	Nov. 16	83.69

239(F-10). Lyn Hebert. Lat 29°55', long 95°56'. Drilled irrigation artesian well in sand, diam 30 to 12 in, depth 828 ft. MP top of casing, at lsd. Highest water level 52.05 below lsd, Apr. 13, 1943; lowest 97.81 below lsd, Nov. 20, 1956. Records available: 1941-59.

Mar. 14, 1956	70.05	Mar. 15, 1957	75.12	Mar. 20, 1958	72.79	Mar. 12, 1959	74.18
Nov. 20	97.81	Nov. 29	85.93	Dec. 2	87.29	Nov. 18	87.45

240(H-28). B. Ray Woods well 3. Lat 29°47', long 95°55'. Drilled irrigation artesian well in sand, diam 20 to 14 in, depth 290 ft, casing slotted opposite sands below 80. MP top of 2-in pipe, 1.50 ft above lsd. Highest water level 58.08 below lsd, Apr. 13, 1943; lowest 79.52 below lsd, Dec. 2, 1958. Records available: 1940-46, 1948-59.

Mar. 9, 1956	72.91	Mar. 15, 1957	75.45	Mar. 18, 1958	76.60	Mar. 11, 1959	77.54
Nov. 21	76.83	Nov. 27	77.54	Dec. 2	79.52	Nov. 16	79.03

245(F-27). G. P. Nelson well 2. Lat 29°52', long 95°57'. Drilled irrigation artesian well in sand, diam 20 to 12 in, depth 482 ft, casing slotted opposite sands below 51. MP top of pump-base, 1.50 ft above lsd. Highest water level 56.40 below lsd, Apr. 13, 1943; lowest 95.55 below lsd, Oct. 6, 1944. Records available: 1941-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1956	73.99	Mar. 15, 1957	68.68	Mar. 20, 1958	70.77	Mar. 12, 1959	72.74
Nov. 20	80.94	Nov. 29	70.48	Dec. 2	76.68	Nov. 18	77.73

### Ward County

2. Pat O'Brien. Lat 31°33', long 103°04'. Drilled irrigation artesian well in sand, diam 16 in, depth 160 ft. MP top of concrete base, 3.00 ft above lsd. Highest water level 89.82 below lsd, Mar. 5, 1956; lowest 92.31 below lsd, Dec. 5, 1959. Records available: 1955-57, 1959. Dec. 2, 1955, 91.47; Mar. 5, 1956, 89.82; Dec. 5, 1959, 91.35; Dec. 7, 1957, 92.22; Dec. 5, 1959, 92.31. No measurement made in 1958.

9. J. L. Hardin. Lat 31°33', long 103°06'. Drilled stock artesian well in sand, diam 6 in, depth 96 ft. MP top of concrete base, 2.00 ft above lsd. Highest water level 80.75 below lsd, Mar. 6, 1956; lowest 82.28 below lsd, Dec. 7, 1957. Records available: 1956-57, 1959. Mar. 6, 1956, 80.75; Dec. 6, 81.59; Dec. 7, 1957, 82.28; Dec. 5, 1959, 81.97. No measurement made in 1958.

15. Owner unknown. Lat 31°35', long 103°08'. Drilled irrigation water-table well in sand, diam 16 in, depth 300 ft. MP hole in side of pump, 2.00 ft above lsd. Highest water level 104.95 below lsd, Mar. 6, 1956; lowest 106.53 below lsd, Dec. 7, 1957. Records available: 1956-57, 1959. Mar. 6, 1956, 104.95; Dec. 6, 106.36; Dec. 7, 1957, 106.53; Dec. 5, 1959, 105.91. No measurement made in 1958.

71a. Texas Highway Dept. Lat 31°33', long 103°02'. Drilled park artesian well in sand, diam 6 in, depth 143 ft. MP top of iron water pipe clamp, 0.50 ft above lsd. Highest water level 106.42 below lsd, Jan. 31, 1952; lowest 109.67 below lsd, Dec. 5, 1959. Records available: 1952-59.

Jan. 31, 1952	106.42	Jan. 24, 1954	107.74	Jan. 4, 1956	107.84	Feb. 7, 1958	108.53
Feb. 7, 1953	107.08	Jan. 10, 1955	107.94	Jan. 26, 1957	107.65	Dec. 5, 1959	109.67

A-29. Owner unknown. Lat 31°31', long 103°27'. Drilled irrigation water-table well in sand, diam 16 in, depth 115 ft. Lsd 2,549.90 ft above msl. MP top of pumpbase, 1.00 ft above lsd. Highest water level 10.44 below lsd, Nov. 2, 1946; lowest 23.74 below lsd, Jan. 23, 1954. Records available: 1946-59.

Nov. 2, 1946	10.44	Feb. 8, 1949	16.80	Jan. 29, 1952	20.35	Jan. 5, 1956	18.09
Dec. 4	11.21	Jan. 23, 1950	18.28	Feb. 4, 1953	20.62	Jan. 26, 1957	19.40
Jan. 29, 1947	12.19	Mar. 3	18.82	Jan. 23, 1954	23.74	Feb. 3, 1958	22.55
Mar. 3, 1948	14.87	Feb. 14, 1951	15.50	Jan. 8, 1955	22.43	Feb. 12, 1959	18.24

F-5. McFarland lease. Lat 31°27', long 102°57'. Drilled unused water-table well in sand, diam 10 to 8 in, depth 157 ft, casing slotted 116-157. MP top of casing, 1.00 ft above lsd. Highest water level 79.10 below lsd, Mar. 2, 1950; lowest 83.65 below lsd, Dec. 6, 1959. Records available: 1948-59.

June 23, 1948	79.16	June 2, 1949	79.18	Mar. 2, 1950	79.10	Jan. 2, 1951	79.35
Sept. 27	79.14	July 2	79.21	May 2	79.18	Jan. 31, 1952	79.51
Nov. 6	79.19	Aug. 3	79.28	June 2	79.18	Feb. 7, 1953	80.16
Dec. 2	79.19	Sept. 2	79.14	July 1	79.18	Jan. 24, 1954	80.92
Jan. 3, 1949	79.27	Oct. 1	79.15	Aug. 2	79.22	Jan. 10, 1955	82.06
Feb. 2	79.14	Nov. 2	79.32	Sept. 2	79.17	Jan. 4, 1956	82.83
Mar. 2	79.15	Dec. 7	79.16	Oct. 3	79.25	Jan. 26, 1957	83.13
Apr. 2	79.17	Jan. 2, 1950	79.19	Nov. 2	79.26	Feb. 7, 1958	83.52
May 2	79.18	Feb. 2	79.31	Dec. 2	79.35	Dec. 6, 1959	83.65

F-15. D. B. Durgin lease. Lat 31°26', long 102°55'. Drilled stock water-table well in sand, diam 6 in, depth 71 ft. MP top of casing, 2.00 ft above lsd. Highest water level 46.87 below lsd, Mar. 2, 1949; lowest 50.37 below lsd, Dec. 6, 1959. Records available: 1949-52, 1954-59.

Jan. 3, 1949	46.88	Sept. 2, 1949	47.07	June 2, 1950	46.97	Jan. 31, 1952	47.28
Feb. 2	46.88	Oct. 1	47.22	July 1	46.99	Jan. 24, 1954	48.09
Mar. 2	46.87	Nov. 2	46.93	Aug. 1	47.02	Jan. 10, 1955	48.38
Apr. 2	47.12	Dec. 7	46.95	Sept. 2	47.95	Jan. 4, 1956	48.69
May 2	47.02	Jan. 2, 1950	47.03	Oct. 2	47.09	Jan. 26, 1957	48.80
June 2	47.01	Feb. 2	47.09	Nov. 2	47.08	Feb. 7, 1958	49.66
July 2	47.10	Mar. 2	47.12	Dec. 2	47.15	Dec. 6, 1959	50.37
Aug. 3	46.97	May 2	47.05	Jan. 2, 1951	47.37		

F-20. Ed Cox. Lat 31°32', long 102°53'. Drilled irrigation water-table well in sand, diam 10 in, depth 68 ft, casing slotted 40-68. MP top of casing, 1.00 ft above lsd. Highest water level 37.54 below lsd, Dec. 6, 1957; lowest 39.49 below lsd, Feb. 9, 1955. Records available: 1955-57, 1959. Feb. 9, 1955, 39.49; Dec. 4, 38.66; Mar. 5, 1956, 38.13; Dec. 6, 38.34; Dec. 6, 1957, 37.54; Dec. 5, 1959, 37.61. No measurement made in 1958.

F-21. S. W. Estes Ranch. Lat 31°25', long 102°50'. Drilled unused water-table well in sand, diam 10 in, depth 94 ft, casing slotted 60-94. MP top of concrete base, 1.00 ft above lsd. Highest water level 45.15 below lsd, Feb. 9, 1955; lowest 50.53 below lsd, Dec. 4, 1955. Records available: 1954-57, 1959. Nov. 2, 1954, 45.30; Dec. 5, 45.41; Feb. 9, 1955, 45.15; Dec. 4, 50.53; Dec. 6, 1956, 48.13; Dec. 6, 1957, 46.06; Dec. 5, 1959, 46.78. No measurement made in 1958.

W-195. Delmore Corp. Lat 31°27', long 103°28'. Drilled unused water-table well in sand, diam 6 in, depth 278 ft. MP top of casing, 1.50 ft above lsd. Highest water level 1.48 below lsd, Aug. 11, 1941; lowest 25.86 below lsd, Jan. 8, 1955. Records available: 1939-41, 1950-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 31, 1939	2.34	June 13, 1940	3.00	Apr. 1, 1950	j10.14	Feb. 14, 1951	9.27
Sept. 20	1.77	Aug. 1	3.12	May 29	j12.23	Jan. 29, 1952	13.54
Oct. 20	1.62	Dec. 5	2.54	June 12	j13.03	Feb. 4, 1953	19.66
Nov. 8	1.57	Mar. 26, 1941	2.82	July 31	j13.60	Jan. 23, 1954	24.40
Dec. 9	1.54	May 14	2.11	Aug. 4	j13.30	Jan. 8, 1955	25.86
Jan. 8, 1940	2.00	Aug. 11	1.48	Sept. 30	j11.77	Jan. 5, 1956	22.75
Feb. 10	2.80	Sept. 23	13.44	Oct. 24	j10.60	Jan. 26, 1957	18.65
Mar. 8	3.00	Jan. 18, 1950	8.33	Nov. 27	9.51	Feb. 3, 1958	22.42
Apr. 10	3.01	Feb. 21	7.65	Dec. 3	9.88	Feb. 12, 1959	22.82
May 14	2.93	Mar. 3	j7.59				

j Monthly high from recorder charts.

#### Wharton County

1(A-1). Texas West Indies Co. Formerly Bob Ragsdale. Lat 29°15', long 96°34'. Drilled irrigation artesian well in Lissie formation, diam 18 to 12 in, depth 155 ft, screened below 90. MP  $\frac{3}{4}$ -in hole in side of pump, 0.50 ft above lsd. Highest water level 36.99 below lsd, May 27, 1940; lowest 50.47 below lsd, Mar. 31, 1959. Records available: 1940-47, 1949-59. Mar. 19, 1956, 48.20; Mar. 25, 1957, 50.30; Mar. 26, 1958, 49.41; Mar. 31, 1959, 50.47.

8(A-8). Lester Glaze. Lat 29°13', long 96°28'. Drilled irrigation artesian well in Lissie formation, diam 24 to 9 in, depth 200 ft. MP top of casing, at lsd. Highest water level 35.46 below lsd, May 6, 1938; lowest 50.90 below lsd, Mar. 31, 1959. Records available: 1935, 1938-59. Mar. 19, 1956, 49.04; Mar. 25, 1957, 50.10; Mar. 26, 1958, 50.81; Mar. 31, 1959, 50.90.

33(B-33). Harfst Bros. Lat 29°17', long 96°22'. Drilled irrigation artesian well in Lissie formation, diam 24 to 10 in, depth 285 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 36.46 below lsd, May 6, 1938; lowest 50.42 below lsd, Mar. 25, 1957. Records available: 1934-35, 1938-42, 1946, 1948-58. Mar. 19, 1956, 40.41; Mar. 25, 1957, 50.42; Mar. 26, 1958, 48.85. No measurement made in 1959.

84(C-84). Fred Fotjek. Lat 29°32', long 96°09'. Drilled irrigation water-table well in sand, diam 12 in, depth 60 ft. MP top of pumpbase, 1.00 ft above lsd. Highest water level 18.28 below lsd, Mar. 27, 1947; lowest 25.80 below lsd, Dec. 20, 1941. Records available: 1940-50, 1954-59. Mar. 26, 1954, 19.69; Mar. 24, 1955, 21.24; Mar. 23, 1956, 21.74; Mar. 29, 1957, 23.03; Apr. 4, 1958, 21.35; Apr. 3, 1959, 20.86.

148(E-148). City of El Campo. Lat 29°11', long 96°16'. Drilled public-supply artesian well in Lissie formation, diam 17 to 6 in, depth 1,188 ft, screened 856-1,072. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 28.99 below lsd, Dec. 17, 1942; lowest 51.08 below lsd, Apr. 3, 1959. Records available: 1942-47, 1950-59. Mar. 22, 1956, 48.35 (well pumped recently, nearby well pumped recently); Mar. 29, 1957, 53.12 (nearby well pumped recently); Apr. 4, 1958, 50.37; Apr. 3, 1959, 51.08.

173(F-173). Stoval & Appling. Lat 29°00', long 96°20'. Drilled unused (previously reported irrigation) artesian well in Lissie formation, diam 24 to 12 in, depth 390 ft. MP top of casing, at lsd. Highest water level 12.36 below lsd, Apr. 12, 1943; lowest 44.38 below lsd, Apr. 2, 1959. Records available: 1934-35, 1938-47, 1949-56, 1958-59. Mar. 22, 1956, 30.02; Mar. 28, 1958, 23.70; Apr. 2, 1959, 44.38. No measurement made in 1957. Measurement discontinued.

181(F-181). C. C. Appling. Lat 29°05', long 96°15'. Drilled irrigation artesian well in Lissie formation, diam 24 to 10 in, depth 522 ft, cased, screened 78-120, 270-285, 322-392, 427-438, 462-522. MP top of casing, 1.00 ft above lsd. Highest water level 23.09 below lsd, Apr. 12, 1943; lowest 37.76 below lsd, Mar. 23, 1955. Records available: 1934-35, 1938-59. Mar. 22, 1956, 33.63; Mar. 28, 1957, 35.55; Mar. 28, 1958, 35.52; Apr. 1, 1959, 36.41.

209(E-209). J. C. Allen. Lat 29°08', long 96°10'. Drilled unused artesian well in Lissie formation, diam 26 to 10 in, depth 439 ft, cased, 26-in 0-49, 10-in 49-439, screened 62-86, 132-154, 237-303, 407-439. MP top of casing, at lsd. Highest water level 12.30 below lsd, Mar. 29, 1944; lowest 21.36 below lsd, Apr. 1, 1959. Records available: 1934-35, 1938-47, 1949-59. Mar. 23, 1956, 20.87; Mar. 28, 1957, 20.99; Mar. 28, 1958, 20.07; Apr. 1, 1959, 21.36.

241(D-241). Texas Gulf Sulphur Co. Lat 29°15', long 95°54'. Drilled unused artesian well in Lissie formation and Willis sand, diam 20 in, depth 487 ft, cased, 20-in 0-365, 15-in 79-487, screened 433-487. MP top of casing, 1.70 ft above lsd. Highest water level 17.3 below lsd, Feb. 15, 1934; lowest 60.94 below lsd, Mar. 23, 1956. Records available: 1934-35, 1937-59. Mar. 23, 1956, 60.94; Mar. 25, 1957, 43.73; Apr. 2, 1958, 56.02; Apr. 3, 1959, 52.49.

### Wheeler County

A-3. L. R. Hathaway. Lat 35°32', long 100°26'. Drilled irrigation water-table well in sand, diam 16 in, depth 458 ft, cased to 323, slotted 262-316. MP top of concrete base, 2.50 ft above lsd. Highest water level 104.03 below lsd, Apr. 16, 1958; lowest 107.88 below lsd, Jan. 15, 1956. Records available: 1955-58. July 15, 1955, 107.08; Jan. 15, 1956, 107.88; Jan. 20, 1957, 104.72; Apr. 16, 1958, 104.03. No measurement made in 1959.

B-3. Owner unknown. Lat 35°34', long 100°18'. Drilled stock water-table well in sand, diam 6 in, depth 109 ft. MP top of casing, 0.50 ft above lsd. Highest water level 97.59 below lsd, Jan. 11, 1953; lowest 101.82 below lsd, July 15, 1958. Records available: 1953-58. Jan. 11, 1953, 97.59; Jan. 12, 1954, 98.32; Jan. 11, 1955, 98.86; Jan. 14, 1956, 99.59; Jan. 20, 1957, 100.41; Apr. 15, 1958, 101.48; July 15, 1958, 101.82. No measurement made in 1959.

C-1. Owner unknown. Lat 35°36', long 100°10'. Drilled unused water-table well in sand, diam 5 in, depth 157 ft. MP top of casing, 2.50 ft above lsd. Highest water level 111.66 below lsd, Jan. 11, 1955; lowest 115.95 below lsd, July 15, 1958. Records available: 1953-58. Jan. 11, 1953, 111.86; Jan. 12, 1954, 111.97; Jan. 11, 1955, 111.66; Jan. 14, 1956, 111.78; Jan. 20, 1957, 112.11; July 15, 1958, 115.95. No measurement made in 1959.

F-2. Lee Black. Lat 35°27', long 100°16'. Drilled irrigation water-table well in sand, diam 16 in, depth 95 ft, casing slotted 55-95. MP top of concrete base, 0.50 ft above lsd. Highest water level 11.46 below lsd, July 12, 1955; lowest 32.82 below lsd, Jan. 15, 1956. Records available: 1955-58. July 12, 1955, 11.46; Jan. 15, 1956, 32.82; Jan. 20, 1957, 18.77; July 15, 1958, 12.13. No measurement made in 1959.

G-1. City of Shamrock well 1. Lat 35°23', long 100°14'. Drilled public-supply water-table well in sand, diam 18 in, depth 50 ft. MP hole in pump, at lsd. Highest water level 24.25 below lsd, Feb. 22, 1951; lowest 32.59 below lsd, Jan. 10, 1955. Records available: 1946, 1951-53, 1955-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13, 1946	26.50	Feb. 8, 1952	28.64	Jan. 10, 1955	32.59	Jan. 19, 1957	28.57
Feb. 22, 1951	24.25	Jan. 11, 1953	28.82	Jan. 14, 1956	28.81	July 16, 1958	29.47

G-9. Hoy Hunter well 2. Lat 35°28', long 100°09'. Drilled irrigation artesian well in sand, diam 6 in, depth 44 ft, cased, slotted 24-44. MP top of casing, 0.50 ft above lsd. Highest water level 5.54 below lsd, July 15, 1958; lowest 10.20 below lsd, Jan. 15, 1956. Records available: 1955-58. July 21, 1955, 9.78; Jan. 15, 1956, 10.20; Jan. 20, 1957, 8.43; July 15, 1958, 5.54. No measurement made in 1959.

K-2. J. M. Tindall well 1. Lat 35°18', long 100°15'. Drilled irrigation artesian well in sand, diam 13 in, depth 120 ft, cased, slotted 60-120. MP top of concrete pumpbase, 1.00 ft above lsd. Highest water level 28.08 below lsd, July 12, 1955; lowest 32.28 below lsd, Jan. 20, 1957. Records available: 1955-58. July 12, 1955, 28.08; Jan. 15, 1956, 29.77; Jan. 20, 1957, 32.28; July 15, 1958, 29.26. No measurement made in 1959.

K-3. J. W. Gooch. Lat 35°15', long 100°24'. Drilled irrigation water-table well in sand, diam 16 in, depth 60 ft, casing slotted. MP top of casing, 1.00 ft above lsd. Highest water level 7.92 below lsd, July 16, 1958; lowest 8.70 below lsd, July 16, 1955. Records available: 1955-58. July 16, 1955, 8.70; Jan. 15, 1956, 8.00; Jan. 20, 1957, 8.65; July 16, 1958, 7.92. No measurement made in 1959.

K-6. J. W. Gooch. Lat 35°11', long 100°16'. Drilled irrigation water-table well in porous gypsum, diam 18 in, depth 74 ft, casing slotted 34-74. MP top of casing, 1.00 ft above lsd. Highest water level 18.08 below lsd, July 16, 1955; lowest 21.67 below lsd, Jan. 21, 1957. Records available: 1955-58. July 16, 1955, 18.08; Jan. 15, 1956, 19.39; Jan. 21, 1957, 21.67; July 16, 1958, 21.08. No measurement made in 1959.

Wilbarger County

A-9. Elwin Bingham. Lat 34°22', long 99°20'. Drilled farm artesian well in sand, diam 7 in, depth 112 ft, cased to 112. MP top of casing, 0.70 ft above lsd. Highest water level 23.75 below lsd, Jan. 4, 1958; lowest 26.85 below lsd, Jan. 7, 1954. Records available: 1952-58. Feb. 2, 1952, 24.20; Jan. 8, 1953, 25.65; Jan. 7, 1954, 26.85; Jan. 8, 1955, 26.32; Jan. 7, 1956, 24.85; Jan. 14, 1957, 25.96; Jan. 4, 1958, 23.75. No measurement made in 1959.

B-12. Mrs. Jewel Rage. Lat 34°23', long 99°14'. Drilled farm water-table well in sand, diam 6 in, depth 113 ft, cased to 113. MP top of casing, 3.50 ft above lsd. Highest water level 28.99 below lsd, Feb. 1, 1952; lowest 32.25 below lsd, Jan. 7, 1954. Records available: 1952-58. Feb. 1, 1952, 28.99; Jan. 8, 1953, 30.92; Jan. 7, 1954, 32.25; Jan. 8, 1955, 31.35; Jan. 7, 1956, 30.30; Jan. 14, 1957, 31.84; Jan. 4, 1958, 29.79. No measurement made in 1959.

B-74. R. H. Newsome. Lat 34°20', long 99°17'. Drilled farm water-table well in sand, diam 8 in, depth 86 ft, cased to bottom. MP top of casing, 1.00 ft above lsd. Highest water level 28.51 below lsd, Feb. 1, 1952; lowest 31.80 below lsd, Jan. 14, 1957. Records available: 1951-58. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 8, 1951	30.70	Jan. 8, 1953	29.48	Jan. 8, 1955	30.88	Jan. 14, 1957	31.80
Feb. 1, 1952	28.51	Jan. 7, 1954	31.62	Jan. 7, 1956	30.03	Jan. 4, 1958	31.29

C-55a. L. E. Key. Lat 34°19', long 99°23'. Drilled irrigation water-table well in sand, diam 16 in, depth 70 ft, cased to 70, casing slotted below 20. MP top of casing, 1.50 ft above lsd. Highest water level 21.43 below lsd, Jan. 4, 1958; lowest 24.28 below lsd, Jan. 14, 1957. Records available: 1953-58. Jan. 8, 1953, 21.65; Jan. 7, 1954, 23.02; Jan. 8, 1955, 23.57; Jan. 7, 1956, 21.95; Jan. 14, 1957, 24.28; Jan. 4, 1958, 21.43. No measurement made in 1959.

C-110. City of Vernon. Odell 1. Lat 34°18', long 99°22'. Drilled public-supply water-table well in sand, diam 10 in, depth 95 ft, cased to 100, screened 55-95. MP top of special measuring pipe, 4.00 ft above lsd. Highest water level 24.68 below lsd, Jan. 6, 1954; lowest 28.05 below lsd, Jan. 14, 1957. Records available: 1954-58. Jan. 6, 1954, 24.68; Jan. 8, 1955, 26.63; Jan. 8, 1956, 25.95; Jan. 9, 26.00; Jan. 14, 1957, 28.05; Jan. 4, 1958, 26.02. No measurement made in 1959.

F-12. Willie Kieschnick. Lat 34°04', long 99°25'. Dug farm water-table well in Seymour formation, diam 30 in, depth 22 ft, curbed with concrete rings. MP top of concrete curb, 2.60 ft above lsd. Highest water level 13.01 below lsd, Oct. 29, 1943; lowest 21.48 below lsd, Jan. 16, 1957. Records available: 1943, 1951-58. No measurement made in 1959.

Oct. 29, 1943	13.01	Jan. 9, 1953	18.09	Jan. 7, 1955	20.14	Jan. 16, 1957	21.48
Feb. 26, 1951	16.21	Jan. 7, 1954	19.38	Jan. 6, 1956	19.97	Jan. 3, 1958	21.05
Feb. 10, 1952	16.70						

F-42. S. C. Davenport. Lat 34°05', long 99°20'. Dug farm water-table well in sand of Seymour formation, diam 36 in, depth 32 ft, curbed with brick. MP top of concrete cover, 0.50 ft above lsd. Highest water level 10.71 below lsd, Oct. 19, 1943; lowest 18.44 below lsd, Jan. 7, 1955. Records available: 1943, 1951-58. No measurement made in 1959.

Oct. 19, 1943	10.71	Jan. 9, 1953	15.85	Jan. 7, 1955	18.44	Jan. 16, 1957	18.01
Feb. 26, 1951	12.46	Jan. 7, 1954	17.80	Jan. 7, 1956	14.53	Jan. 2, 1958	12.38
Feb. 9, 1952	13.05						

G-123. Frank Kaluza. Lat 34°07', long 99°18'. Dug farm water-table well in sand of Seymour formation, diam 36 in, depth 22 ft, curbed with culvert pipe. MP top of concrete curb, 3.50 ft above lsd. Highest water level 11.63 below lsd, Oct. 18, 1943; lowest 23.12 below lsd, Jan. 15, 1957. Records available: 1943, 1951-58. No measurement made in 1959.

Oct. 18, 1943	11.63	Jan. 9, 1953	19.57	Jan. 7, 1955	22.47	Jan. 15, 1957	23.12
Feb. 28, 1951	18.05	Jan. 7, 1954	22.58	Jan. 7, 1956	20.40	Jan. 2, 1958	18.50
Feb. 9, 1952	19.05						

G-145. City of Vernon well 4-6. Lat 34°09', long 99°19'. Drilled public-supply water-table well in sand, diam 18 in, depth 42 ft. MP hole in pumpbase, 1.50 ft above lsd. Highest water level 18.32 below lsd, Nov. 7, 1943; lowest 32.36 below lsd, Jan. 6, 1954. Records available: 1943, 1952-54, 1956-58. No measurement made in 1959.

Oct. 11, 1943	18.73	Nov. 7, 1943	18.32	Jan. 6, 1954	32.36	Jan. 15, 1957	22.76
12	28.00	Feb. 9, 1952	31.29	Jan. 8, 1956	26.56	Jan. 5, 1958	18.41
13	19.29	Jan. 7, 1953	30.75				

a Well being pumped.

b Well pumped recently.

G-160. City of Vernon. Lat 34°09', long 99°17'. Drilled unused water-table well in sand, diam 18 in, depth 40+ ft. MP top of casing, 1.00 ft above lsd. Highest water level 25.20 below lsd, Jan. 4, 1958; lowest 33.25 below lsd, Jan. 6, 1954. Records available: 1951-58. No measurement made in 1959.



G-160--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1951	32.92	Jan. 8, 1953	32.86	Jan. 8, 1955	32.05	Jan. 15, 1957	28.44
Feb. 9, 1952	31.75	Jan. 6, 1954	33.25	Jan. 8, 1956	29.68	Jan. 4, 1958	25.20

G-172. City of Vernon well 1-2. Lat 34°08', long 99°17'. Drilled public-supply water-table well in sand, diam 18 in, depth 48½ ft. MP hole in pumpbase, 0.50 ft above lsd. Highest water level 29.52 below lsd, Oct. 14, 1943; lowest 39.10 below lsd, Jan. 7, 1953. Records available: 1943, 1951-53, 1955-58. No measurement made in 1959.

Oct. 14, 1943	29.52	Feb. 10, 1952	38.91	Jan. 8, 1955	38.35	Jan. 15, 1957	33.48
Feb. 27, 1951	38.80	Jan. 7, 1953	39.10	Jan. 8, 1956	35.28	Jan. 3, 1958	30.89

## Williamson County

353. Mrs. H. B. Hurt. Lat 30°36', long 97°41'. Drilled farm artesian well in Edwards limestone, diam 6 in, depth 175 ft, cased to 127. Lsd 798.20 ft above msl. MP top of iron pipe clamp, 1.00 ft above lsd. Highest water level 87.77 below lsd, Mar. 17, 1958; lowest 138.44 below lsd, Apr. 20, 1954. Records available: 1940-46, 1948-59.

Mar. 16, 1956	130.24	Jan. 9, 1957	131.04	Nov. 27, 1957	97.33	Nov. 18, 1958	104.48
July 19	133.65	Mar. 19	130.51	Mar. 17, 1958	87.77	May 14, 1959	114.72
Sept. 4	131.67	May 15	123.87	May 19	90.15	Dec. 18	113.39
Nov. 13	130.02	July 18	115.01	July 15	100.79		

418. Henry Hartman. Lat 30°36' (previously reported 35°36'), long 97°40'. Drilled farm water-table well in Edwards limestone, diam 6 in, depth 130 ft, not cased. Lsd 761.80 ft above msl. MP top of iron pipe clamp, 0.60 ft above lsd. Highest water level 61.69 below lsd, Mar. 17, 1958; lowest 111.24 below lsd, July 19, 1956. Records available: 1940-43, 1945, 1948-58. Measurement discontinued.

Mar. 16, 1956	104.93	Nov. 13, 1956	99.94	May 15, 1957	86.19	May 19, 1958	64.02
July 19	111.24	Jan. 9, 1957	104.69	July 18	83.41	July 15	73.94
Sept. 4	107.75	Mar. 19	103.89	Mar. 17, 1958	61.69	Nov. 18	76.45

889. T. B. Bailey, Jr. Lat 30°32', long 97°41'. Drilled farm artesian well in Edwards limestone, diam 5 in, depth 400 ft. Lsd 785.62 ft above msl. MP top of iron pipe clamp, 1.30 ft above lsd. Highest water level 62.86 below lsd, May 19, 1958; lowest 105.46 below lsd, July 18, 1955. Records available: 1940-46, 1948-59.

Mar. 16, 1956	99.64	Jan. 9, 1957	99.69	Nov. 27, 1957	72.75	Nov. 18, 1958	71.05
July 19	100.06	Mar. 19	99.90	May 19, 1958	62.86	May 14, 1959	81.06
Sept. 4	100.86	May 15	93.43	July 15	67.09	Dec. 18	83.37
Nov. 13	99.50	July 18	84.35				

991. Burness Williams. Lat 30°41', long 97°39'. Drilled unused artesian well in Edwards limestone, diam 7 in, depth 47 ft, cased to 18. MP top of casing, 0.40 ft above lsd. Highest water level flowing, Mar. 17, 1958; lowest 28.80 below lsd, July 19, 1956. Records available: 1950-59.

Aug. 4, 1950	18.04	Dec. 18, 1952	24.22	Nov. 10, 1955	25.83	July 18, 1957	8.01
Dec. 5	22.19	Apr. 15, 1953	13.29	Mar. 16, 1956	26.12	Nov. 27	2.57
Apr. 9, 1951	22.12	Aug. 7	19.64	July 19	28.80	Mar. 17, 1958	(j)
Aug. 10	24.69	Dec. 15	12.93	Sept. 4	28.79	May 19	3.96
Jan. 7, 1952	24.63	Apr. 20, 1954	18.56	Nov. 13	24.97	July 15	8.42
Apr. 8	24.09	Aug. 10	23.82	Jan. 9, 1957	26.89	Nov. 18	13.39
Aug. 12	21.55	Mar. 14, 1955	25.03	Mar. 19	26.90	May 14, 1959	12.62
Sept. 3	23.62	July 18	21.18	May 15	12.65	Dec. 18	6.26

j Flowing.

992. Martin Teinert. Lat 30°43', long 97°37'. Drilled ranch water-table well in Edwards limestone, diam 8 in. MP top of concrete base, 0.80 ft above lsd. Highest water level 70.85 below lsd, Mar. 17, 1958; lowest 109.20 below lsd, Sept. 4, 1956. Records available: 1949-59.

Sept. 7, 1949	100.27	Apr. 8, 1952	103.06	Dec. 28, 1954	107.14	Mar. 19, 1957	107.61
Nov. 28	99.64	Aug. 12	99.96	Mar. 14, 1955	103.70	May 15	97.42
Apr. 13, 1950	98.18	Sept. 3	101.66	July 18	102.68	July 18	92.68
Aug. 4	96.83	Dec. 18	102.82	Nov. 10	104.74	Mar. 17, 1958	70.85
Dec. 5	99.91	Apr. 15, 1953	94.51	Mar. 16, 1956	107.07	May 19	84.80
Jan. 5, 1951	102.03	Aug. 7	98.40	July 19	108.46	July 15	90.21
Apr. 9	100.21	Dec. 15	94.69	Sept. 4	109.20	Nov. 18	93.35
Aug. 10	102.49	Apr. 20, 1954	103.24	Nov. 13	106.99	May 14, 1959	93.57
Jan. 7, 1952	102.09	Aug. 10	102.49	Jan. 9, 1957	107.44		

993. Felix Schwertner. Lat 30°48', long 97°38'. Drilled farm artesian well in limestone, diam 6 in, depth 400 ft. MP top of concrete base, 0.40 ft above lsd. Highest water level 261.33 below lsd, May 19, 1958; lowest 281.31 below lsd, Jan. 5, 1951. Records available: 1949-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 7, 1949	273.03	Apr. 8, 1952	278.85	Mar. 14, 1955	276.43	May 15, 1957	275.83
Nov. 28	273.66	Aug. 12	273.64	July 18	276.58	Nov. 27	269.33
Apr. 13, 1950	273.26	Sept. 3	279.17	Mar. 16, 1956	277.32	Mar. 17, 1958	263.39
Aug. 4	276.50	Dec. 18	278.75	July 19	278.04	May 19	261.33
Dec. 5	276.25	Aug. 7, 1953	273.10	Sept. 4	283.03	July 15	265.48
Jan. 5, 1951	281.31	Dec. 15	272.71	Nov. 13	278.37	Nov. 18	270.24
Apr. 9	278.01	Apr. 20, 1954	273.17	Jan. 9, 1957	279.32	May 14, 1959	270.20
Aug. 10	276.88	Aug. 10	275.55	Mar. 19	278.55	Dec. 18	269.69
Jan. 7, 1952	277.71	Dec. 28	278.12				

a Well being pumped.

#### Wilson County

A-7(100). Carlos Sequin. Lat 29°15', long 98°16'. Drilled farm water-table well in Wilcox formation, diam 4 in, depth 85 ft. MP top of casing, 1.30 ft above lsd. Highest water level 58.80 below lsd, June 29, 1951; lowest 67.44 below lsd, Apr. 21, 1953. Records available: 1936, 1951-59.

Feb. 28, 1936	63.40	Nov. 6, 1953	60.59	Dec. 13, 1955	62.27	Jan. 24, 1958	66.07
June 29, 1951	58.80	Feb. 17, 1954	60.64	Mar. 22, 1956	62.47	Apr. 22	64.70
Sept. 27	59.01	June 8	62.69	June 19	62.61	July 16	64.51
Feb. 27, 1952	58.90	Sept. 16	61.37	Sept. 13	62.75	Oct. 14	63.86
June 23	59.87	Nov. 4	60.70	Jan. 15, 1957	62.92	Feb. 5, 1959	63.28
Sept. 23	64.73	Mar. 16, 1955	61.74	Apr. 8	63.01	May 21	62.76
Apr. 21, 1953	67.44	June 10	61.88	July 16	66.44	Aug. 13	62.29
July 21	62.45	Sept. 22	62.16	Oct. 14	65.60	Nov. 23	61.78

A-24(85). R. H. Tackiff. Lat 29°10', long 98°10'. Dug farm water-table well in Carrizo sand, diam 36 in, depth 100 ft. MP top of concrete curb, 2.50 ft above lsd. Highest water level 67.43 below lsd, June 29, 1951; lowest 73.37 below lsd, June 23, 1952. Records available: 1936, 1951-59.

Feb. 14, 1936	70.50	Nov. 6, 1953	69.86	Dec. 13, 1955	71.08	Jan. 24, 1958	72.75
June 29, 1951	67.43	Feb. 17, 1954	71.19	Mar. 21, 1956	71.11	Apr. 22	72.89
Sept. 27	69.15	June 8	70.11	June 20	71.53	July 16	70.98
Feb. 27, 1952	70.31	Sept. 16	70.93	Sept. 13	72.01	Oct. 14	71.62
June 23	73.37	Dec. 6	70.60	Jan. 15, 1957	72.64	Feb. 5, 1959	71.37
Sept. 23	68.32	Mar. 16, 1955	70.18	Apr. 8	72.97	May 21	70.97
Apr. 20, 1953	68.62	June 10	71.07	July 16	71.62	Aug. 13	71.84
July 21	69.04	Sept. 22	70.97	Oct. 14	72.59	Nov. 23	71.46

B-2(6). Herman Schroeder. Lat 29°20', long 98°08'. Drilled farm artesian well in Wilcox formation, diam 5 in, depth 119 ft. MP top of pipe clamp, 0.20 ft above lsd. Highest water level 72.40 below lsd, Sept. 27, 1951; lowest 100.0 below lsd, 1936. Records available: 1936, 1951-59.

1936	100.0	Nov. 6, 1953	72.62	Dec. 13, 1955	73.17	Jan. 27, 1958	73.42
June 29, 1951	72.44	Feb. 17, 1954	72.79	Mar. 22, 1956	73.25	Apr. 23	73.39
Sept. 27	72.40	June 8	72.65	June 19	73.20	July 16	74.02
Feb. 27, 1952	78.25	Sept. 16	73.28	Sept. 13	73.42	Oct. 15	74.06
June 23	72.71	Dec. 6	73.30	Jan. 14, 1957	73.22	Feb. 6, 1959	73.28
Sept. 23	72.74	Mar. 16, 1955	72.75	Apr. 8	73.81	May 21	72.89
Apr. 20, 1953	73.04	June 10	73.21	July 16	73.63	Aug. 13	73.19
July 21	73.93	Sept. 22	72.78	Oct. 14	74.73	Nov. 23	72.95

g Measurement by other agency.

B-17(45). H. McClanahan. Lat 29°16', long 98°03'. Drilled unused artesian well in Carrizo sand, diam 3 in, depth 135 ft. MP top of casing, 1.50 ft above lsd. Highest water level 59.01 below lsd, Sept. 23, 1952; lowest 64.60 below lsd, Aug. 13, 1959. Records available: 1936, 1951-59.

June 26, 1936	63.70	July 21, 1953	60.09	Sept. 22, 1955	61.97	July 16, 1957	62.39
June 29, 1951	59.94	Nov. 6	60.37	Dec. 13	61.39	Oct. 14	62.83
Sept. 27	59.91	Feb. 17, 1954	60.10	Mar. 22, 1956	61.32	Jan. 27, 1958	62.27
Feb. 27, 1952	59.05	June 8	61.04	June 19	62.97	Apr. 23	60.89
June 23	59.67	Sept. 16	61.91	Sept. 13	63.38	July 16	61.41
Sept. 23	59.01	Mar. 16, 1955	60.90	Jan. 14, 1957	62.49	Aug. 13, 1959	64.60
Apr. 20, 1953	59.91	June 10	61.30	Apr. 8	62.89	Nov. 23	62.54

C-12. A. G. Watkins. Lat 29°18', long 97°55'. Drilled irrigation artesian well in Carrizo sand, diam 8 in, depth 525 ft, casing slotted 485-525. Lsd 471.90 ft above msl. MP top of pumpbase, 0.30 ft above lsd. Highest water level 54.00 below lsd, June 7, 1955; lowest 57.20 below lsd, Oct. 14, 1958. Records available: 1955-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 7, 1955	54.00	Jan. 14, 1957	55.94	Jan. 29, 1958	55.99	Feb. 6, 1959	56.37
Mar. 22, 1956	54.27	Apr. 8	56.03	July 12	56.45	May 21	55.87
June 19	54.72	July 16	56.09	Oct. 14	57.20	Aug. 13	56.94
Sept. 13	55.46	Oct. 14	56.37				

C-19. L. C. Carr. Lat 29°07', long 98°09'. Drilled unused artesian well in Queen City sand member, diam 6 in, depth 375 ft. MP top of casing, 3.00 ft above lsd. Highest water level 16.98 below lsd, May 21, 1959; lowest 19.68 below lsd, Sept. 13, 1956. Records available: 1955-59.

May 27, 1955	18.90	Jan. 14, 1957	19.06	Jan. 27, 1958	18.91	Feb. 6, 1959	17.22
Mar. 22, 1956	18.78	Apr. 8	18.94	Apr. 23	17.53	May 21	16.98
June 19	19.41	July 16	18.83	July 16	18.17	Aug. 13	18.05
Sept. 13	19.68	Oct. 14	18.55	Oct. 15	18.22		

C-42. D. Manford. Lat 29°12', long 97°50'. Dug and drilled unused artesian well in Carrizo sand, diam 30 to 6 in, depth 1,700 ft, cased with concrete pipe to 90, steel casing 90-1,700, perforated 1,580-1,700. MP top of concrete curb, 1.30 ft above lsd. Highest water level 35.00 below lsd, July 16, 1955; lowest 43.80 below lsd, Jan. 14, 1957. Records available: 1955-59.

July 16, 1955	35.00	Jan. 14, 1957	43.80	Apr. 23, 1958	40.27	Feb. 6, 1959	41.17
Mar. 22, 1956	36.34	Oct. 14	41.02	July 16	40.82	Aug. 13	42.12
June 19	37.24	Jan. 27, 1958	40.69	Oct. 14	41.74		

F-65. Schmalstieg Bros. Lat 29°01', long 98°16'. Drilled irrigation artesian well in Carrizo sand, diam 12 to 8 in, depth 1,600 ft, casing perforated 1,460-1,600. Lsd 436.90 ft above msl. MP top of pumpbase, 0.50 ft above lsd. Highest water level 30.80 below lsd, May 26, 1955; lowest 47.54 below lsd, Sept. 14, 1956. Records available: 1955-59.

May 26, 1955	30.80	Jan. 15, 1957	42.98	Jan. 27, 1958	35.90	Oct. 15, 1958	40.44
Mar. 21, 1956	37.43	Apr. 9	40.27	Apr. 22	35.64	Feb. 5, 1959	36.20
June 20	46.36	July 15	42.28	July 17	39.42	Aug. 14	45.98
Sept. 14	47.54	Oct. 15	43.95				

G-41. C. Fahrenthold. Lat 29°02', long 98°07'. Drilled irrigation artesian well in Carrizo sand, diam 10 to 7 in, depth 2,400 ft, cased to bottom. Lsd 346.10 ft above msl. MP top of horizontal pipe, 3.40 ft above lsd. Highest water level 64.4 above lsd, Jan. 6, 1955; lowest 46.0 above lsd, May 21, 1959. Records available: 1955-59. Measurement discontinued.

Jan. 6, 1955	+64.4	Sept. 14, 1956	+52.5	Apr. 8, 1957	+55.5	Feb. 6, 1959	+57.0
Mar. 22, 1956	60.5	Jan. 15, 1957	53.5	Oct. 14, 1958	57.5	May 21	46.0
June 20	54.0						

#### Yoakum County

155. F. L. Blankenship. Lat 33°06', long 102°51'. Drilled unused water-table well in sand, diam 16 in, depth 148 ft, cased to 148, part slotted. MP top of casing, 0.70 ft above lsd. Highest water level 91.77 below lsd, Jan. 20, 1959; lowest 93.44 below lsd, Jan. 31, 1957. Records available: 1956-59. Jan. 20, 1956, 92.04; Jan. 31, 1957, 93.44; Jan. 18, 1958, 93.38; Jan. 20, 1959, 91.77.

157. Webb. Lat 33°11', long 102°51'. Drilled unused water-table well in sand, diam 6 in, depth 100 ft. MP top of pipe clamp, 0.20 ft above lsd. Highest water level 73.04 below lsd, Jan. 18, 1958; lowest 74.23 below lsd, Jan. 20, 1959. Records available: 1956-59. Jan. 24, 1956, 73.16; Jan. 31, 1957, 73.10; Jan. 18, 1958, 73.04; Jan. 20, 1959, 74.23. Well destroyed; measurement discontinued.

159. W. C. Wilmeth. Lat 33°10', long 102°39'. Drilled irrigation water-table well in sand, diam 16 in, depth 185 ft, cased to 185, part slotted. MP top of casing, 0.30 ft above lsd. Highest water level 119.61 below lsd, Jan. 18, 1958; lowest 121.90 below lsd, Jan. 31, 1957. Records available: 1956-59. Jan. 24, 1956, 120.33; Jan. 31, 1957, 121.90; Jan. 18, 1958, 119.61; Jan. 19, 1959, 120.49.

164. O. U. Mayben. Lat 32°59', long 103°02'. Drilled irrigation water-table well in sand, diam 16 in, depth 170 ft. MP top of casing, at lsd. Highest water level 48.93 below lsd, Jan. 24, 1956; lowest 52.15 below lsd, Jan. 20, 1959. Records available: 1956-59. Jan. 24, 1956, 48.93; Jan. 30, 1957, 51.04; Jan. 17, 1958, 51.73; Jan. 20, 1959, 52.15.

165. H. F. Barnes. Lat 33°13', long 103°03'. Drilled irrigation water-table well in sand, diam 10 in, depth 136 ft. MP end of discharge pipe, 5.00 ft above lsd. Highest water level 64.70 below lsd, Jan. 19, 1956; lowest 68.46 below lsd, Jan. 18, 1958. Records available: 1956-59. Jan. 19, 1956, 64.70; Jan. 31, 1957, 68.00; Jan. 18, 1958, 68.46; Jan. 20, 1959, 67.75.

168. C. L. Chandler. Lat 33°20', long 103°00'. Drilled irrigation water-table well in sand, diam 16 in, depth 221 ft, cased to 221, part slotted. MP lower edge of porthole, 0.80 ft above lsd. Highest water level 103.91 below lsd, Jan. 19, 1959; lowest 105.33 below lsd, Jan. 18, 1958. Records available: 1956-59. Jan. 19, 1956, 103.96; Jan. 31, 1957, 104.30; Jan. 18, 1958, 105.33; Jan. 19, 1959, 103.91.

174. L. C. Heath. Lat 33°15', long 102°45'. Drilled irrigation water-table well in sand, diam 16 in, depth 180 ft, cased to 180. MP lower edge of porthole, 2.30 ft above lsd. Highest water level 115.13 below lsd, Jan. 20, 1956; lowest 115.75 below lsd, Jan. 18, 1958. Records available: 1956-59. Jan. 20, 1956, 115.13; Jan. 31, 1957, 115.56; Jan. 18, 1958, 115.75; Jan. 19, 1959, 115.35.

#### Zavala County

H7-13. C. W. Bretzke. Lat 29°00', long 99°51'. Drilled stock water-table well in Carrizo sand, diam 10 in, depth 172 ft, cased to 172, perforated 132-172. Lsd 787.54 ft above msl. MP top of casing, at lsd. Highest water level 110.45 below lsd (previously reported 110.55 below lsd), Feb. 8, 1928; lowest 164.30 below lsd, Sept. 11, 1953. Records available: 1928-33, 1948-56, 1958. Sept. 18, 1956, 156.2±; July 8, 1958, 160.04. No measurement made in 1957 or 1959.

H8-68. A. D. Walker. Lat 29°00', long 99°48'. Drilled farm water-table well in Leona formation and Carrizo sand, diam 6 in, depth 84 ft. MP top of casing, 0.40 ft above lsd. Highest water level 57.18 below lsd, Sept. 25, 1958; lowest 72.88 below lsd, Aug. 26, 1953. Records available: 1948-59.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1956	64.89	Feb. 24, 1957	71.78	Mar. 26, 1958	62.85	Jan. 22, 1959	58.18
Feb. 21	65.27	Mar. 25	71.65	Apr. 28	60.67	Feb. 23	58.40
Mar. 23	65.58	Apr. 25	72.00	May 27	60.07	Mar. 25	58.53
Apr. 24	66.11	May 28	70.53	June 4	60.17	Apr. 26	58.73
May 24	66.60	June 24	65.01	26	58.37	May 25	58.69
June 23	67.12	July 23	62.59	July 9	57.84	June 23	58.47
July 24	67.82	Aug. 27	63.04	28	58.14	July 26	57.55
Aug. 24	68.88	Sept. 29	63.36	Aug. 25	58.58	Aug. 25	57.96
Sept. 21	68.80	Oct. 28	63.15	Sept. 25	57.18	Sept. 24	58.30
Oct. 25	69.48	Nov. 29	63.20	Oct. 27	57.53	Oct. 26	57.57
Nov. 22	70.01	Dec. 29	63.54	Nov. 25	57.56	Nov. 25	57.95
Dec. 20	70.53	Jan. 29, 1958	63.99	Dec. 21	57.81	Dec. 22	58.17
Jan. 21, 1957	70.84	Feb. 26	64.08				

M6-10a. W. M. Van Cleve. Lat 28°45', long 100°04'. Drilled farm water-table well in sand, diam 6 in, depth about 150 ft. MP top of pipe clamp, 1.50 ft above lsd. Records available: 1956-57. Sept. 20, 1956, 124.62; July 29, 1957, 127.75. No measurement made in 1958 or 1959.

M6-19. L. D. Van Cleve. Lat 28°40', long 100°02'. Drilled farm water-table well in Carrizo sand, diam 6 in, depth 180 ft. Lsd 632.05 ft above msl. MP top of  $\frac{3}{4}$ -in nipple, 0.90 ft above lsd. Highest water level 48.50 below lsd, Oct. 2, 1931; lowest 102.44 below lsd, July 8, 1958. Records available: 1930-58. Sept. 20, 1956, 98.69; July 9, 1957, 100.69; July 8, 1958, 102.44. No measurement made in 1959.

N1-24. J. C. Williams. Lat 28°57', long 99°52'. Drilled farm artesian well in Carrizo sand, diam 12 in, depth 350 ft. Lsd 753.70 ft above msl. MP top of iron pipe clamp, 0.30 ft above lsd. Highest water level 114.70 below lsd, July 6, 1931; lowest 246.00 below lsd, Sept. 18, 1956, July 12, 1957. Records available: 1929-33, 1935-58. Sept. 18, 1956, 246.00; July 12, 1957, 246.00; July 8, 1958, 232.70. No measurement made in 1959.

N1-39. R. W. Norton. Lat 28°56', long 99°58'. Drilled stock artesian well in Carrizo sand, diam 6 in, depth 300 ft. Lsd 731.50 ft above msl. MP top of iron pipe clamp, 1.40 ft above lsd. Highest water level 74.40 below lsd, Jan. 25, 1930; lowest 101.91 below lsd, Aug. 17, 1950. Records available: 1930-33, 1946-53, 1955-58. Sept. 18, 1956, 92.58; July 12, 1957, 92.02; July 8, 1958, 91.20. No measurement made in 1959.

N1-83. I. T. Pryor, Jr. Lat 28°56', long 99°51'. Drilled stock water-table well in Leona formation (previously reported Carrizo sand), diam 11 in, depth 350 ft. MP top of  $\frac{1}{2}$ -in special measuring pipe, 1.80 ft above lsd. Highest water level 89.63 below lsd, May 24, 1955 (previously reported 90.66 below lsd, Oct. 24, 1951); lowest 104.76 below lsd, June 1, 1951. Records available: 1948-58. No measurement made in 1959.

## N1-83--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1956	96.30	Aug. 24, 1956	92.87	Mar. 27, 1957	97.93	Feb. 26, 1958	93.39
Feb. 21	96.63	Sept. 21	92.01	July 9	93.08	Apr. 29	93.07
Mar. 23	96.83	Oct. 25	92.81	Sept. 9	94.25	June 3	95.50
Apr. 24	97.51	Nov. 22	95.13	Oct. 28	93.68	26	95.34
May 24	98.82	Dec. 20	100.19	Nov. 29	91.34	July 28	95.23
July 24	102.37	Jan. 21, 1957	95.59	Dec. 29	90.96		

N1-90(N1-73). Mathews Ranch. Lat 28°56', long 99°55'. Drilled farm artesian well in Carrizo sand, diam 6 in, depth 483 ft, cased, part slotted. MP top of iron pipe clamp, 0.70 ft above lsd. Highest water level 159.29 below lsd, July 12, 1946; lowest 278.34 below lsd, July 24, 1956. Records available: 1946-59.

Jan. 22, 1956	250.28	Feb. 24, 1957	267.71	Feb. 26, 1958	245.39	Jan. 22, 1959	235.66
Feb. 21	251.82	Mar. 27	269.59	Mar. 26	239.77	Feb. 23	234.47
Mar. 23	259.61	Apr. 25	270.39	Apr. 28	242.69	Mar. 25	238.04
Apr. 24	268.50	May 28	264.61	May 27	238.91	Apr. 26	237.28
May 24	271.36	June 24	257.41	June 26	241.35	May 25	234.95
June 23	272.49	July 12	263.21	July 8	241.75	June 23	243.84
July 24	278.34	Aug. 27	265.57	28	249.44	July 26	240.44
Aug. 24	272.92	Sept. 29	257.03	Aug. 25	244.08	Sept. 25	239.92
Sept. 21	262.75	Oct. 28	251.13	Sept. 25	242.60	Sept. 24	239.10
Oct. 25	266.08	Nov. 29	248.04	Oct. 27	241.15	Oct. 26	238.40
Nov. 22	264.45	Dec. 29	247.61	Nov. 24	237.48	Nov. 24	239.24
Dec. 20	264.89	Jan. 29, 1958	246.51	Dec. 21	236.61	Dec. 22	240.09
Jan. 21, 1957	263.66						

N2-27. Emma Mangum. Lat 28°55', long 99°47'. Drilled irrigation water-table well in sand and gravel, diam 12 in, depth 52 ft. MP hole in pump, 1.00 ft above lsd. Highest water level 18.85 below lsd, Oct. 27, 1958; lowest 37.11 below lsd, Sept. 22, 1955. Records available: 1948-49, 1951-59.

Sept. 17, 1948	27.49	Oct. 12, 1954	27.56	June 26, 1958	19.71	Dec. 21, 1958	22.99
Sept. 10, 1949	23.21	Mar. 23, 1955	33.50	July 9	22.02	Jan. 22, 1959	23.68
Sept. 17, 1951	35.12	Sept. 22	37.11	Aug. 25	24.28	Feb. 23	24.12
Aug. 22, 1952	34.75	Sept. 18, 1956	36.29	Sept. 25	19.15	Mar. 25	24.42
Sept. 11, 1953	33.99	July 9, 1957	28.55	Oct. 27	18.85	July 26	22.33
Oct. 4, 1954	27.50	June 3, 1958	27.70	Nov. 25	22.43	Sept. 24	24.37

N2-34. Brantley. Lat 28°57', long 99°50'. Drilled irrigation artesian well in Carrizo sand, diam 10 in, depth 460 ft, cased, part slotted. MP top of casing, at lsd. Highest water level 177.18 below lsd, Sept. 17, 1948; lowest 298.43 below lsd, Sept. 18, 1956. Records available: 1948-51, 1953-56, 1958. No measurement made in 1957 or 1959.

Sept. 17, 1948	177.18	Sept. 17, 1951	218.58	Oct. 4, 1954	261.20	Sept. 18, 1956	298.43
Aug. 10, 1949	177.24	Sept. 11, 1953	253.48	Sept. 22, 1955	275.78	July 9, 1958	232.20
Aug. 17, 1950	199.70						

N3-125. D. C. Carnes. Lat 28°55', long 99°36'. Drilled unused water-table well in Leona formation, diam 12 in, depth 76 ft, casing slotted. MP top of concrete base, 1.00 ft above lsd. Highest water level 48.38 below lsd, Dec. 31, 1959; lowest 56.88 below lsd, July 25-31, 1954. Records available: 1954-59. Recorder installed June 8, 1954.

## Highest water level for the day, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	56.40	56.51	55.80	55.57	55.68	55.59
10	.....	.....	.....	.....	.....	56.22	56.29	56.49	55.73	55.53	55.63	55.75
15	.....	.....	.....	.....	.....	56.28	56.38	56.31	55.66	55.53	55.60	55.78
20	.....	.....	.....	.....	.....	56.54	56.71	56.12	55.60	55.52	55.60	55.88
25	.....	.....	.....	.....	.....	56.74	56.88	55.97	55.59	55.53	55.57	55.83
Eom	.....	.....	.....	.....	.....	56.56	56.88	55.89	55.54	55.71	55.58	55.83
1955												
5	55.80	56.10	55.85	55.84	55.96	55.89	56.20	56.04	55.93	.....	55.42	55.21
10	56.18	56.09	55.81	55.81	55.97	55.89	56.17	55.97	55.93	.....	55.36	55.19
15	56.18	56.00	55.78	55.79	55.96	55.89	56.21	55.95	56.23	.....	55.32	55.20
20	56.06	55.97	55.72	55.99	55.96	56.26	56.15	55.94	.....	.....	55.28	55.18
25	56.10	55.89	55.72	56.08	55.94	56.12	56.02	55.93	.....	55.51	55.25	55.18
Eom	56.22	55.87	55.71	56.00	55.95	56.30	56.19	55.93	.....	55.46	55.21	55.17

N3-125--Continued.

1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	55.17	55.21	55.24	55.36	55.28	55.32	55.75	55.75	55.48	55.30	55.07	54.99
10	55.17	55.22	55.53	55.32	55.25	55.47	55.87	55.70	55.46	55.24	55.05	54.99
15	55.17	55.25	55.66	55.30	55.29	55.50	55.76	55.65	55.42	55.22	55.06	55.02
20	55.19	55.27	55.60	55.30	55.30	55.80	56.06	55.62	55.39	55.21	55.04	55.02
25	55.20	55.26	55.50	55.27	55.31	55.70	55.91	55.57	55.38	55.15	55.00	55.05
Eom	55.20	55.25	55.41	55.21	55.32	55.88	55.81	55.50	55.35	55.10	54.99	55.05
1957												
5	55.06	55.17	55.03	54.85	54.80	54.45	53.55	53.11	52.75	52.52	52.29	52.21
10	55.08	55.17	54.97	54.83	54.75	54.34	53.45	53.01	52.73	52.48	52.28	52.25
15	55.12	55.15	54.93	54.83	54.71	54.16	53.39	52.92	52.70	52.44	52.26	52.26
20	55.13	55.14	54.85	54.83	54.66	54.02	53.34	52.86	52.65	52.41	52.26	52.28
25	55.14	55.13	54.84	54.81	54.63	53.82	53.27	52.83	52.64	52.36	52.24	52.30
Eom	55.16	55.08	54.82	54.82	54.55	53.66	53.17	52.80	52.58	52.31	52.26	52.29
1958												
5	52.34	52.25	52.15	52.10	52.07	52.17	52.29	52.79	53.10	53.19	53.00	52.56
10	52.32	52.25	52.15	52.10	52.04	52.32	52.41	52.83	53.17	53.15	52.96	52.46
15	52.31	52.22	52.11	52.14	52.02	52.46	52.44	52.87	53.21	53.12	52.87	52.37
20	52.30	52.18	52.12	52.10	52.02	52.39	52.70	52.92	53.25	53.08	52.82	52.27
25	52.28	52.16	52.12	52.09	51.99	52.36	52.75	53.00	53.24	53.04	52.71	52.21
Eom	52.30	52.15	52.10	52.08	52.04	52.32	52.83	53.06	53.22	53.01	52.66	52.16
1959												
5	52.12	52.00	52.04	52.51	52.86	52.88	.....	52.46	.....	51.79	50.96	49.69
10	52.08	51.99	52.08	52.66	52.87	52.91	.....	52.41	.....	51.78	50.71	49.44
15	52.04	51.97	52.21	52.70	52.88	52.96	.....	52.33	.....	51.61	50.51	49.17
20	52.01	51.99	52.25	52.71	52.86	52.95	.....	52.29	.....	.....	50.29	48.98
25	51.97	51.98	52.33	52.76	52.92	52.95	.....	52.15	51.85	.....	50.06	48.66
Eom	51.98	51.98	52.40	52.80	52.90	.....	52.27	.....	51.81	51.09	49.87	48.38
N3-126. Owner unknown. Lat 28°58', long 99°38'. Drilled unused artesian well in Carrizo sand, diam 10 to 8 in, depth 727 ft. MP top of casing, 1.00 ft above lsd. Highest water level 170.4 below lsd, Feb. 4, 1959; lowest 252.9 below lsd, July 31, 1958. Records available: 1957-59. Affected by nearby pumping, as well as other pumping in area. Recorder installed Dec. 19, 1957. Dec. 20, 1957, 203.5; Dec. 25, 203.4; Dec. 31, 198.3.												
Highest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	192.9	182.5	172.9	186.9	183.4	222.1	.....	243.5	223.6	183.1	.....	176.5
10	187.5	182.4	172.0	195.5	179.4	.....	223.2	246.2	214.0	180.9	.....	181.6
15	186.5	179.0	173.0	194.9	177.7	.....	227.0	239.9	200.9	179.0	.....	179.3
20	184.4	177.0	175.0	190.8	174.5	.....	.....	231.7	194.3	176.8	.....	184.7
25	181.8	174.9	178.9	194.9	173.0	.....	.....	223.3	189.6	175.8	197.7	179.1
Eom	184.0	174.2	185.7	189.5	196.5	.....	252.9	224.0	186.1	174.4	179.6	176.7
1959												
5	176.6	173.9	190.5	209.1	178.0	186.6	200.8	.....	197.1	178.4	175.1	179.1
10	175.8	176.2	186.5	210.7	174.4	207.1	.....	.....	193.8	175.9	174.6	181.5
15	174.2	183.4	190.1	196.2	174.6	.....	.....	.....	190.0	174.5	174.4	180.3
20	173.5	191.9	189.8	187.6	188.8	.....	.....	.....	192.7	174.2	173.4	176.9
25	172.8	196.6	191.4	185.5	177.6	245.8	.....	201.1	183.8	186.0	171.4	175.6
Eom	172.3	207.9	199.5	182.1	172.6	211.5	195.3	196.9	181.8	183.7	170.6	174.0









