UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary

GEOLOGICAL SURVEY
W. E. Wrather, Director

Water-Supply Paper 947

WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1942

PART 4. SOUTH-CENTRAL STATES

BY

O. E. MEINZER, L. K. WENZEL
and others

Prepared in cooperation with the States of
ARKANSAS, LOUISIANA, OKLAHOMA, AND TEXAS
and other agencies

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1944

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

CONTENTS

ILLUSTRATIONS

WATER LEVELS AND ARTESIAN PRESSURE IN OBSERVATION WELLS IN THE UNITED STATES IN 1942

Part 4. SOUTH-CENTRAL STATES

INTRODUCTION

By O. E. Meinzer and L. K. Wenzel

The rock formations of the earth are great natural underground reservoirs in which a part of the water derived from rain and snow is stored to supply wells and springs and to maintain the flow of streams during periods of fair weather. Water levels in wells register the stages of these natural reservoirs; they show the extent to which water supplies are depleted by drought or by heavy pumping for public waterworks, irrigation, or industrial uses and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The changes in pressure recorded on flowing wells indicate depletion or replenishment of the artesian reservoirs.

The regular publication of records of water level and artesian pressure in the United States was begun by the Geological Survey in 1935 and has continued yearly since. The records for the entire country were published in a single volume each year through 1939. Beginning with 1940 the records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. (See fig. 1). The following table gives the numbers of these reports. This series of water-supply papers is in a sense an inventory, year by year, of the ground-water supplies of such parts of the country as have been covered.

Water-supply papers on water levels and artesian pressure in observation wells in the United States

Year	North-eastern States	South-eastern States	North-central States	South-central States	North-western States	South-western States and Hawaii
1935	777	777	777	777	777	777
1936	817	817	817	817	817	817
1937	840	840	840	840	840	840
1938	845	845	845	845	845	845
1939	886	886	886	886	886	886
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949

The present volume covers the south-central States and gives records of water level and artesian pressure in about 1,320 observation wells of the Geological Survey and cooperating agencies in Arkansas, Louisiana, Oklahoma, and Texas. Of these wells, 28 are equipped with automatic water-stage recorders. For some wells not previously reported, complete records of water levels are given in this volume, including those for the years before 1942. For wells whose previous records have been published, this volume gives only the current records. If a complete description of a well has been published in a previous report, only the well number, or the well number and a brief identifying description, are given in this report. The numbers in parentheses immediately following a well number are those of the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. This report includes about 9,000 individual determinations of water level and artesian pressure.

The water levels in this report are given with reference to datum planes of different kinds. Some are given in depths below the measuring point, which is a recognized reference mark at or near the top of the well from which the depth to water level is usually measured; others are given in height above an assumed datum plane.

Acknowledgments for effective services in the preparation of this report are due Misses Dorothy Ireland and Thelma Walls, who typed the offset copy, and to Mrs. Bertha Dale, who prepared the illustrations.

Network of key observation wells

During 1942 the Geological Survey established a network of key observation wells in order to make available current information on general ground-water conditions over the country. These wells were selected because the fluctuations of water level in them are believed to be typical, and they

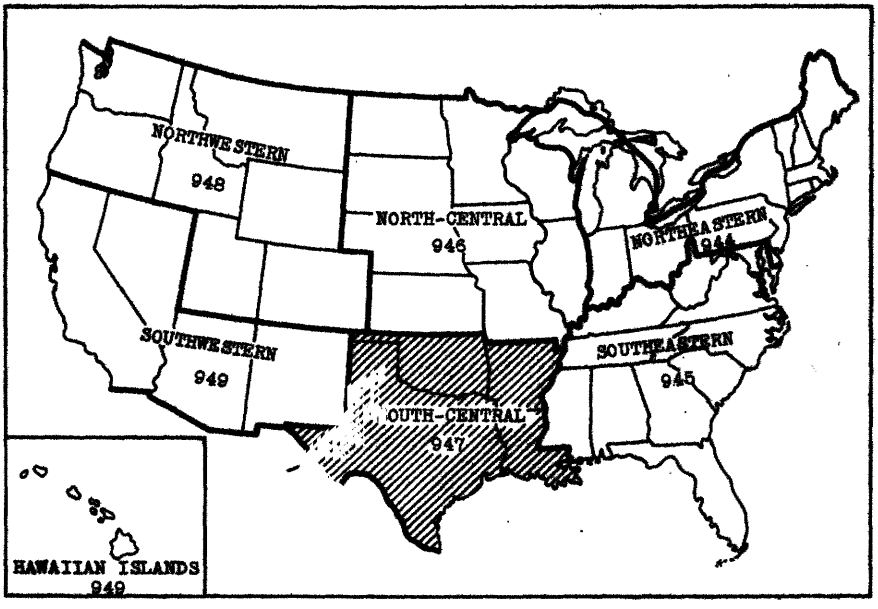

Figure 1.--Outline map of the United States, showing sections of the country covered by the six water-supply papers on water levels and artesian pressure in observation wells in 1942. The shaded section represents the part of the country covered by this volume.

represent general fluctuations that occur in the parts of the country in whic the wells are situated. At the end of 1942 the network included about 130 we in 40 States. About 40 of the wells were established expressly for the net-work in 1942; the other 90 were selected from wells measured regularly in connection with cooperative ground-water investigations. The coverage of the country is still far from adequate, and it is expected that some wells not no included will be added to the network from time to time.

GENERAL SUMMARY OF CHANGES IN GROUND-WATER LEVEL IN 1942 IN THE SOUTH-CENTRAL PART OF THE UNITED STATES

In 1942 the precipitation in all the States that make up the south-central section was above normal, and, as a result, the water levels in many wells of the section were maintained at comparatively high stages. The fluctuations of water level and artesian pressure in wells depend, however, on many factors besides the amount of precipitation. Consequently, it is usually not possible to find a simple relation between the changes in water level or artesian pressure and the departure from normal precipitation.

The following statements are taken chiefly from the interpretive texts that appear in this volume under the several States. They summarize the changes in ground-water levels and artesian pressure that occurred in 1942 in the parts of the underground reservoirs that are tapped by the observation wells in the south-central States.

Louisiana.--The water levels in wells in Grant, LaSalle, and Avoyelles Parishes, where the consumption of ground water is small, remained relatively constant throughout the year and compare favorably with the water levels of 1941 and 1940 in these periods. The serious decline of water levels near Alexandria, in Rapides Parish, continued during 1942. The average weekly water level in well 26, in Alexandria, near the Monroe Street pumping station, was 19.77 feet lower than in 1941 and 30.74 feet lower than in 1939; that in well 35, near the City Park pumping station, was 19.21 feet lower than in 1941 and 28.51 feet lower than in 1939.

Despite the excessive rainfall during the summer, the water levels of the rice-irrigation wells were somewhat lower in 1942 than in 1941. In the vicinity of Lake Charles and West Lake water levels continued to decline in 1942, owing to the increase in pumpage in the industrial section.

The artesian pressure in wells in Tangipahoa and Livingston Parishes was about the same in 1942 as in 1941. In these two parishes the shallow wells, most of which are used for the irrigation of strawberries, showed little or no drop in pressure in 1942.

In St. Tammany Parish the artesian pressure in eight key wells continued to decline, the losses averaging as much as 2 feet in the deep wells.

Water levels in the observation wells in the industrial section of Baton Rouge fluctuate greatly owing to the seasonal pumping of water to be used for cooling. The net rise of 0.44 foot to 7.71 feet in four of these wells is due to the above-normal precipitation during the summer and the consequent decrease in pumpage for use in cooling.

Oklahoma.--Ground-water levels in the Oklahoma Panhandle continued to rise during 1942. In October the weighted average water level was 0.95 foot higher than in January 1941, 0.29 foot higher than in October 1941, and 1.00 foot higher than the lowest recorded level.

Water levels in the Stillwater Creek Basin were extremely high during the year, owing to the large excess of precipitation and the effect of storage in Lake Blackwell.

Heavy and widely scattered precipitation throughout the year caused the water levels in the observation wells along the North Canadian River to fluctuate greatly. In a well at Beaver the water level was still relatively high at the beginning of the year, although it was declining from a peak reached in October 1941. It declined steadily until the latter part of October 1942, when increased rains caused it to rise again, and it continued to rise throughout the remainder of the year.

Texas.--In Kinney County the water levels in seven observation wells drawing from the Edwards limestone were lower in 1942 than in 1941. In five observation wells in the same county, but drawing from the Austin chalk, the water levels in 1942 were 3 feet lower in the spring, 3.7 feet lower in the summer,and 0.5 foot lower in the fall than in 1941. In Uvalde County the water levels in six wells drawing from the Edwards limestone averaged about 2.7 feet higher in the spring, about 1.9 feet lower in the summer and about 3 feet lower in the fall of 1942 than in the corresponding seasons of 1941. In six observation wells in Medina County drawing from the Edwards limestone the water levels in 1942 averaged 6.8 feet lower in the spring, 4.5 feet lower in the summer, and 2.7 feet higher in the fall than in the corresponding seasons of 1941.

In observation wells in the outcrop area of the Carrizo sand in Dimmit and Zavala Counties, the water levels show relatively little seasonal or yearly fluctuation and have changed only slightly during the last 13 years. From August 1941 to August 1942, however, there was an average decline of

0.65 foot in water levels in the outcrop area. In the area down the dip of the sand, where pumping has been heavy, the water levels were lower in August 1942 than in August 1941.

In Wharton County, in southeast Texas, where considerable ground water is pumped to irrigate rice, the water level in 22 wells averaged 1.88 feet higher in the spring of 1942 than in the spring of 1941. In the Houston and Pasadena areas the general decline in water levels that began in 1937 and continued through 1941 persisted through 1942, but at a diminishing rate. The average decline in water levels in observation wells in these areas between the spring of 1941 and the spring of 1942 was 2.5 feet, as compared with 5.3 feet for the preceding year.

There was a general decline of the water table in all the pumping districts of the High Plains from 1938 to 1941. This was followed by a general rise during the summer and fall of 1941 and the spring of 1942, as a result of the especially high rainfall and light pumping in 1941. In the Plainview district ground-water levels showed an average rise of 2 feet from March 1941 to February 1943. In the Hereford district water levels rose 2.3 feet in the same period.

In Loving County, in west Texas, seven observation wells showed rises in water level of 1 to 11 feet between the spring and fall of 1942 and the spring and fall of 1941. In Ward County the water levels in wells were generally somewhat higher in the spring of 1942 than the spring of 1941; in the winters of the two years the averages were about the same.

ARKANSAS

GRAND PRAIRIE REGION

By R. G. Kazmann

The Grand Prairie region of Arkansas comprises Arkansas County, large parts of Lonoke and Prairie Counties, and very small parts of Jefferson and Monroe Counties. Measurements of depth to water level in wells in this area were continued in 1942 by cooperative agreement between the Geological Survey, United States Department of the Interior, and the Arkansas Agricultural Experiment Station. This is the sixteenth successive year in which a well-measurement program has been conducted in this region, the first measurements having been made in September 1927 by the Federal Geological Survey, in cooperation with the Arkansas Geological Survey. The work in 1942 was done by employees of the State Agricultural Experiment Station under the supervision of Kyle Engler, assisted by L. C. Carter. As in past years, T. J. Fricke, engineer of the Federal Land Bank of St. Louis, has cooperated informally in the well-measurement program and in the study and interpretation of the field records.

A discussion of the conditions affecting the ground-water resources of the Grand Prairie region, where rice is extensively cultivated and must be irrigated, and an account of the early pumping operations and their effect on the general static level of the ground water are given in an earlier report, 1/ which also contains records of 18 wells from the time of their first measurement until the time of the preparation of the report. Later reports bring these records up to date and add the records of other wells.

The trend of water level or artesian head from year to year in the Grand Prairie region may be determined by annual measurements made in the spring, as late as possible but before pumping for rice irrigation begins. Accordingly, for most of the wells in most years only the single measurement, in the spring, has been made. In some years measurements have been made in the fall, after the irrigation season has ended.

1/ Water levels and artesian pressure in observation wells in the United States in 1935, with statements concerning previous work and results: U. S. Geol. Survey Water-Supply Paper 777, pp. 5-8, 1936.

These give some suggestion as to the effects of pumping during the previous summer; but, because local irregularities due to pumping during the summer have not been smoothed out, they are not so conclusive as measurements made during the following spring. Owing to the war, no measurements were made in the fall of 1942. For well 280, which is equipped with an automatic water-stage recorder, measurements are given of the depth to water level whenever the recorder charts were changed, which was generally once a week. A continuous record of the fluctuations of water level in this well has been obtained since August 1928.

The water level in all wells in the Grand Prairie region fluctuates as a result of changes in atmospheric pressure, at times as much as 0.8 foot in 24 hours and more than 1 foot in a few days. To make accurate comparisons of the water level on corresponding dates in different years, corrections for such fluctuations must be made by comparing the atmospheric pressures, as determined from barograph records at some place nearby, at the time of measurements in the successive years. In general, the differences in decline of water level from place to place can be attributed in large part to differences in quantity of water pumped for irrigation in the various parts of the region, but the greatest differences, which occur in the extreme southeastern part of the region, probably are due to differences in the stage of White River.

Arkansas County

Observation wells in the Grand Prairie region of Arkansas are listed alphabetically by counties and numerically within each county. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The water level in each well is expressed in feet below a fixed measuring point.

280 (*777, pp. 13-14; 817, pp. 4-5; 840, p. 14; 845, pp. 8-9; 886, p. 11; 909, p. 10; 939, pp. 6-7). Fred Hederich. NW¼NW¼ sec. 3, T. 3 S., R. 5 W. Equipped with automatic water-stage recorder. For 1942 the depths to water whenever the recorder charts were changed, usually at weekly intervals, are given in the table that follows. Comparison of the record for 1942 with the records for previous years may be made by reference to a graph, showing the lowest water level reached each day from August 1928, when the recorder was installed, to the end of 1937. (See Water-Supply Paper 840, p. 9.) The lowest water level in 1942 was 94.72 feet below the measuring point on Aug. 3. Lowest levels in 1941 and 1940 were, respectively, 94.90 and 94.69 feet below the measuring point on Aug. 17, 1941, and Aug. 6, 1940. The highest water level in 1942 was 90.10 feet below the measuring point on Apr. 9. Highest water levels in 1941 and 1940, were 89.58 and 89.12 feet, respectively, below the measuring point on Apr. 21, 1941, and Apr. 17, 1940. The high stages are primarily induced by extremely low atmospheric pressure.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	12:15 p.m.	90.80	July 3	9:40 a.m.	91.88
9	12:10 p.m.	90.93	10	11:20 a.m.	92.54
16	11:35 a.m.	90.77	17	9:05 a.m.	92.56
23	11:35 a.m.	90.68	24	9:16 a.m.	92.75
30	1:40 p.m.	90.08	31	9:40 a.m.	94.49
Feb. 6	9:45 a.m.	90.07	Aug. 7	9:35 a.m.	93.12
13	11:25 a.m.	90.85	15	9:35 a.m.	92.72
20	10:15 a.m.	90.86	22	2:55 p.m.	92.45
27	10:00 a.m.	90.70	29	10:30 a.m.	92.40
Mar. 2	4:15 p.m.	90.45	Sept. 5	10:10 a.m.	92.77
6	8:25 a.m.	90.40	12	11:55 a.m.	92.55
13	10:15 a.m.	90.24	19	10:40 a.m.	92.27
20	3:35 p.m.	90.45	26	3:00 p.m.	91.94
27	10:05 a.m.	90.60	Oct. 2	12:40 p.m.	92.03
Apr. 3	3:35 p.m.	90.50	10	10:55 a.m.	92.07
10	2:35 p.m.	90.44	17	5:20 p.m.	91.90
17	5:20 p.m.	90.46	24	5:20 p.m.	91.89
24	12:15 p.m.	90.40	31	3:45 p.m.	91.85
May 2	12:20 p.m.	90.25	Nov. 7	5:55 p.m.	91.93
9	11:00 a.m.	90.50	14	3:10 p.m.	91.84
16	10:10 a.m.	90.39	21	3:30 p.m.	91.52
22	11:45 a.m.	90.32	28	1:30 p.m.	91.45
29	12:10 p.m.	90.40	Dec. 5	5:05 p.m.	91.47
June 5	10:20 a.m.	90.96	12	4:20 p.m.	91.51
12	9:55 a.m.	91.52	19	3:15 p.m.	91.66
19	5:00 p.m.	91.43	26	10:00 a.m.	91.10
27	10:05 a.m.	91.87			

Annual spring measurements have been made as follows:

Water level, in feet below measuring point, 1942

Well	Date	Hour	Water level	Well	Date	Hour	Water level
205	Apr. 20	4:05 p.m.	95.54	457	Apr. 11	10:30 a.m.	71.89
210	Apr. 20	1:15 p.m.	93.24	457A	Apr. 11	10:30 a.m.	72.19
245	Apr. 23	10:35 a.m.	81.95	458	Apr. 21	11:00 a.m.	67.11
261	Apr. 23	11:05 a.m.	64.80	461	Apr. 21	11:20 a.m.	58.20
274	Apr. 6	9:30 a.m.	23.25	465	Apr. 10	5:50 p.m.	38.07
293	(a)	.....	.....	472	Apr. 11	11:40 a.m.	52.62
304	Apr. 7	5:25 p.m.	82.27	475	(a)	.....	.....
305	Apr. 6	10:20 a.m.	50.92	480	Apr. 11	3:00 p.m.	55.19
311	Apr. 23	9:50 a.m.	102.43	484	Apr. 11	3:35 p.m.	50.96
318	Apr. 11	7:35 p.m.	88.06	486	Apr. 11	12:40 p.m.	46.34

a Not measured in 1942.

Annual spring measurements--Continued.

Water level, in feet below measuring point, 1942

Well	Date	Hour	Water level	Well	Date	Hour	Water level
344	Apr. 11	8:15 p.m.	93.43	491	Apr. 11	1:20 p.m.	35.50
353	23	10:15 a.m.	78.18	492	11	2:10 p.m.	45.08
355	23	1:10 p.m.	74.77	499	11	2:30 p.m.	39.74
362	22	10:50 a.m.	55.20	501	(a)	.....	.....
364	22	10:20 a.m.	56.26	506	11	3:50 p.m.	46.28
374A	10	6:50 p.m.	39.18	507	11	4:30 p.m.	39.51
378	22	1:35 p.m.	85.93	514	11	4:20 p.m.	58.46
392A	22	6:50 p.m.	82.65	B87	(a)	.....	.....
412	23	12:00 p.m.	59.66	B91	20	12:45 p.m.	83.76
414	22	10:10 a.m.	60.82	B110	7	5:00 p.m.	83.67
415	22	8:45 a.m.	67.49	B133	6	11:00 a.m.	67.78
420	22(b)	9:45 a.m.	53.70	B171	(a)	.....	.....
437	22	2:25 p.m.	74.74	B189	11	1:40 p.m.	30.01
440	21	10:00 a.m.	87.40	B192	11	1:45 p.m.	28.60
456	21	10:20 a.m.	83.66				

Jefferson County

270 (*840, p. 17; 845, p. 9; 886, p. 14; 909, p. 18; 939, p. 9). V.D. Harlin. NW¼ (?) sec. 24 (?) T. 3 S., R. 7 W. Water level, in feet below measuring point, 1942: Apr. 6, 9:20 a.m., 18.38.

Lonoke County

Water level, in feet below measuring point, 1942

1	(a)	.....	.....	28	May	2	3:05 p.m.	69.68
5	May 2	2:50 p.m.	60.18	37	May	2	4:30 p.m.	57.59
8	May 2	1:50 p.m.	50.77	61	May	2	11:55 a.m.	49.57
10	(a)	.....	.....	78	(a)		.....	.....
19	May 2	4:15 p.m.	52.22	126	May	2	9:20 a.m.	39.38
27	May 1	5:15 p.m.	67.95	127	May	2	9:00 a.m.	36.60

Monroe County

178 (*909, p. 20; 939, p. 9). Kreimeir Estate. SW¼NW¼ sec. 22, T. 1 S., R. 4 W. Water level, in feet below measuring point, 1942: May 1, 11:20 a.m., 74.65.

193 (*886, p. 15; 909, p. 20; 939, p. 9). Hugh H. Burns. NE¼NW¼ sec. 19, T. 1 S., R. 3 W. Water level, in feet below measuring point, 1942: May 1, 11:50 a.m., 72.30.

Prairie County

Water level, in feet below measuring point, 1942

45	May 1	4:25 p.m.	76.44	122	May	1	12:45 p.m.	78.40
55	Apr. 24	3:30 p.m.	61.79	135	Apr.	20	2:40 p.m.	46.15
88	Apr. 23	5:40 p.m.	62.05	144A	Apr.	23	4:00 p.m.	95.99
97	Apr. 23	5:10 p.m.	61.91	201	Apr.	20	1:40 p.m.	48.45
100	(a)	.....	.....					
110	May 1	1:45 p.m.	80.82					

a Not measured in 1942.
b Measured down discharge pipe.

LOUISIANA

By J. C. Maher and P. H. Jones

The periodic measurement of water levels and artesian pressure in selected observation wells in Louisiana, begun in 1938 as part of a cooperative investigation of the ground-water resources of the State by the Geological Survey, United States Department of the Interior, and the Geological Survey, Louisiana Department of Conservation, was continued in 1942 on a somewhat reduced scale. A total of 934 water-level measurements was made in 88 key wells in 15 parishes, namely, Acadia, Allen, Avoyelles, Calcasieu, East Baton Rouge, Evangeline, Grant, La Salle, Livingston, Jefferson, Jefferson Davis, Morehouse, Rapides, Tangipahoa, and St. Tammany Parishes. (See fig. 2). Weekly measurements were made in 2 wells in Rapides Parish and 2 wells in East Baton Rouge Parish, and monthly measurements were made in 7 wells in the area covered by Acadia, Allen, Calcasieu, Evangeline, and Jefferson Davis Parishes. Water-stage recorders were operated on 4 wells in East Baton Rouge Parish, 5 wells in Rapides Parish, and one well each in Allen and Jefferson Davis Parishes. Observations were made at 4-month intervals in 17 wells in the rice-irrigation area, which includes Acadia, Allen, Evangeline, and Jefferson Davis Parishes. Other wells were measured at irregular intervals. All the measurements were made by members of the technical staff engaged in the ground-water investigations with the exception of those for well Al-29, at Elisabeth, which were obtained through the cooperation of W. E. Emigh, of the Calcasieu Sulphate Paper Co.

In the past year, much of the water-level observation program has been directly connected with the war effort. Detailed investigations were made for the United States Engineers at Camp Livingston, Camp Beauregard, Camp Claiborne, Esler Field, and the Breezy Hill Range area. Investigations were also made in New Orleans for the United States Navy and in Baton Rouge for the War Production Board. The entry of new industries and the construction of Army facilities in the past year have increased the need for an observation program in all sections of the State. The areas in which considerable amounts of ground water are now used in Louisiana are shown in figure 3. Large declines of water level are anticipated in Baton Rouge and Lake Charles next year, when new industrial plants begin operation in those cities.

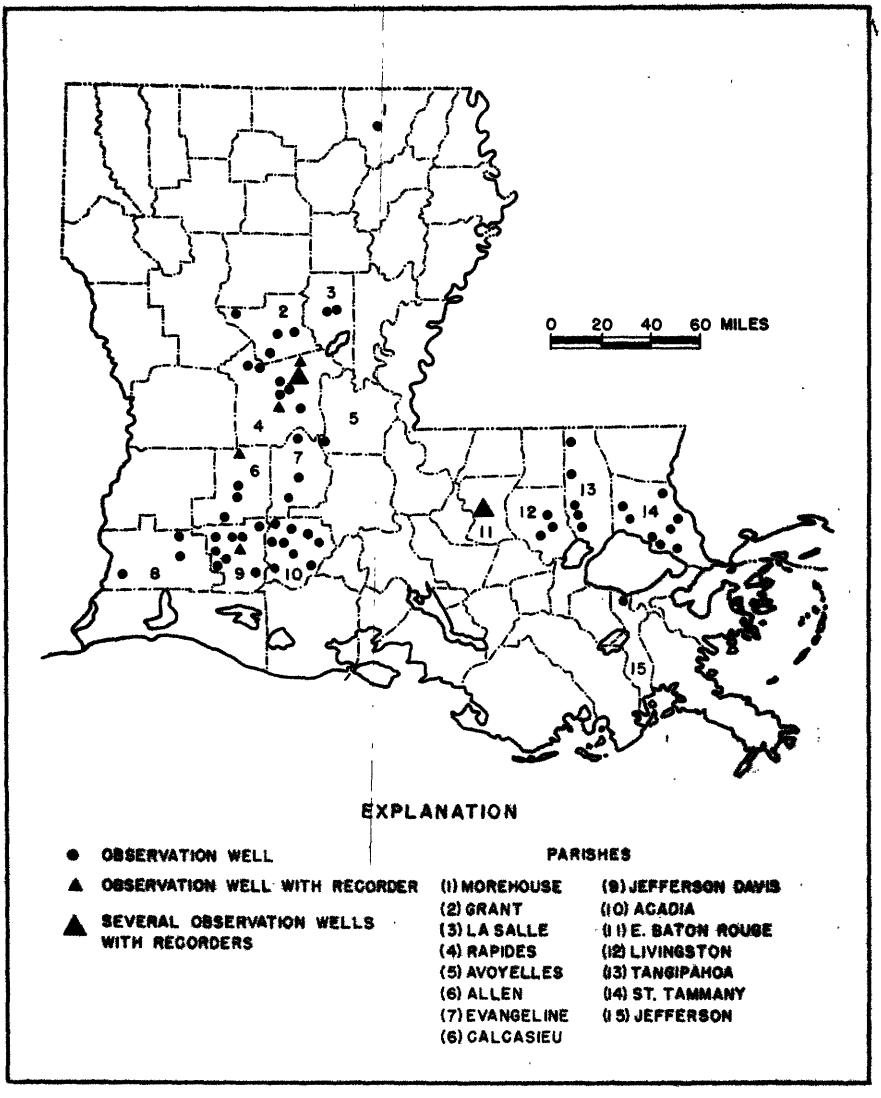

Figure 2.--Map of Louisiana showing location of observation wells.

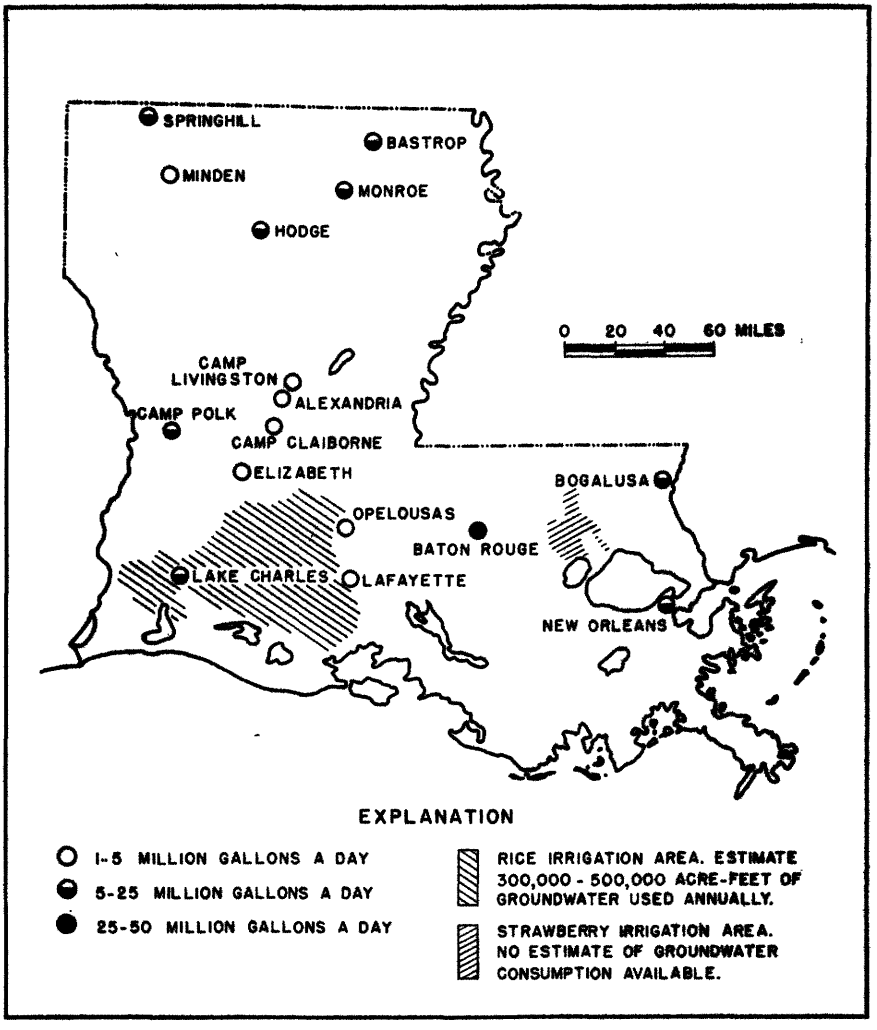

Figure 3.--Map of Louisiana showing areas in which large supplies of ground water are used.

588859 O—44——2

NORTHERN LOUISIANA

Only one well is being observed in this region and that is located at Bastrop, in Morehouse Parish (see figs. 2 and 3), where large quantities of ground water are used in the manufacture of paper. The water level in this well was 1.9 feet higher in December 1942 than in December 1941. This may be attributed, in part, to a small decrease in the consumption of ground water at one of the paper mills.

CENTRAL LOUISIANA

The observation-well program in central Louisiana was concentrated about the city of Alexandria, Camps Livingston, Beauregard, and Claiborne, and Esler Field, all of which are in Rapides Parish. Although many hundreds of water-level observations were made for the United States Army at the different cantonments, only those of regional significance are included in this report. A total of 461 measurements was made in 19 wells in Rapides Parish, 15 in 4 wells in Grant Parish, 16 in 5 wells in LaSalle Parish, and 1 in 1 well in Avoyelles Parish.

Water levels in the wells in Grant, LaSalle, and Avoyelles Parishes, where consumption of ground water is small, remained relatively constant throughout the year and compare favorably with these levels of 1941 and 1940. In Rapides Parish the serious decline of water levels in Alexandria continued, as shown in figure 4. The average weekly water level in well 26, near the Monroe Street pumping station, was 19.77 feet lower than in 1941 and 30.74 feet lower than in 1939; that in well 35, near the City Park pumping station, was 19.21 feet lower than in 1941 and 28.51 feet lower than in 1939. A new well field is being drilled west of the city to alleviate this condition. A comparison of the average weekly water levels during the period 1939-42 is shown below.

Average weekly water levels in observation wells 26 and 35, Alexandria, 1939-42

Year	Well 26	Well 35
1939	96.95	99.57
1940	98.20	108.43
1941	107.92	118.87
1942	127.69	136.08

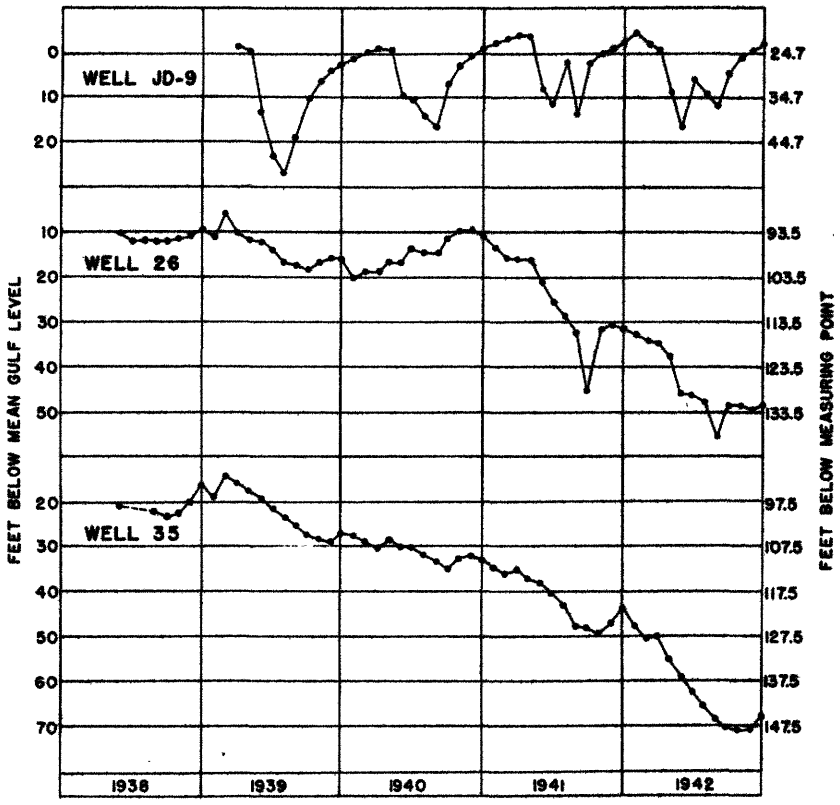

Figure 4.--Graphs showing fluctuations of water level in well JD-9, Jefferson Davis Parish, and wells 26 and 35, Rapides Parish, La.

In Camp Livingston water levels recovered considerably after the new surface-water plant began operation. Well 344, a deep observation well, had a water level of 269.01 feet on June 16, shortly before many of the deep wells were abandoned. On December 29 it had recovered to a level of 188.01 feet. This is still considerably below the original water level of 125 feet in 1940. The water levels of wells in the relatively undeveloped shallow Pleistocene sands, of which well 381 is an example, remained at about 66 feet below the land surface.

The water levels in the deep wells at Camp Claiborne, most of which have been abandoned, recovered 10 to 20 feet, and those in wells in the shallow Pleistocene sand declined but little under constant pumping. Well 368, located only 50 feet from well 367, at camp No. 12, which was pumped continuously at a rate of about 400 gallons a minute, shows a decline of only 11 feet from the original static level.

SOUTHWESTERN LOUISIANA

Monthly observations were made in 4 wells in Jefferson Davis Parish and in 1 well each in Acadia, Allen, Calcasieu, and Evangeline Parishes. One recorder was operated on well JD-9, near Welsh, in Jefferson Davis Parish, and one on well Al-29 at Elizabeth in Allen Parish. Three measurements--one immediately after the pumping season, one in midwinter, and one in the spring before the pumping season--were made in 8 wells in Acadia Parish, 2 wells in Allen Parish, 2 wells in Evangeline Parish, and 5 wells in Jefferson Davis Parish.

Despite the excessive rainfall during the summer of 1942, the water levels of the rice-irrigation wells were somewhat lower than in 1941. The average monthly level in well JD-9, near Welsh (see fig. 4), was 2.17 feet lower in 1942 than in 1941, when the water levels apparently reached the peak of their recovery since the low stages in 1938 and 1939. The average monthly water level in this well is shown below.

Average monthly water level in well JD-9, near Welsh

1939	-32.97
1940	-29.49
1941	-26.39
1942	-28.56

Water levels in the vicinity of Lake Charles and West Lake continued to decline in 1942, owing to increased pumping in the industrial section. The water level in well Cu-8, about 2 miles north of West Lake, was 17.5 feet below the surface in August 1942, whereas in August 1940 it was only 6.5 feet below the surface. Considerably larger declines may be expected in 1943 as a result of the expansion of industries in this area.

SOUTHEASTERN LOUISIANA

Artesian-pressure measurements made in 1942 on 8 wells in Livingston and Tangipahoa Parishes compare favorably with those made in 1941 except for well Li-16, at Holden, which is 1,750 feet deep. The pressure of this

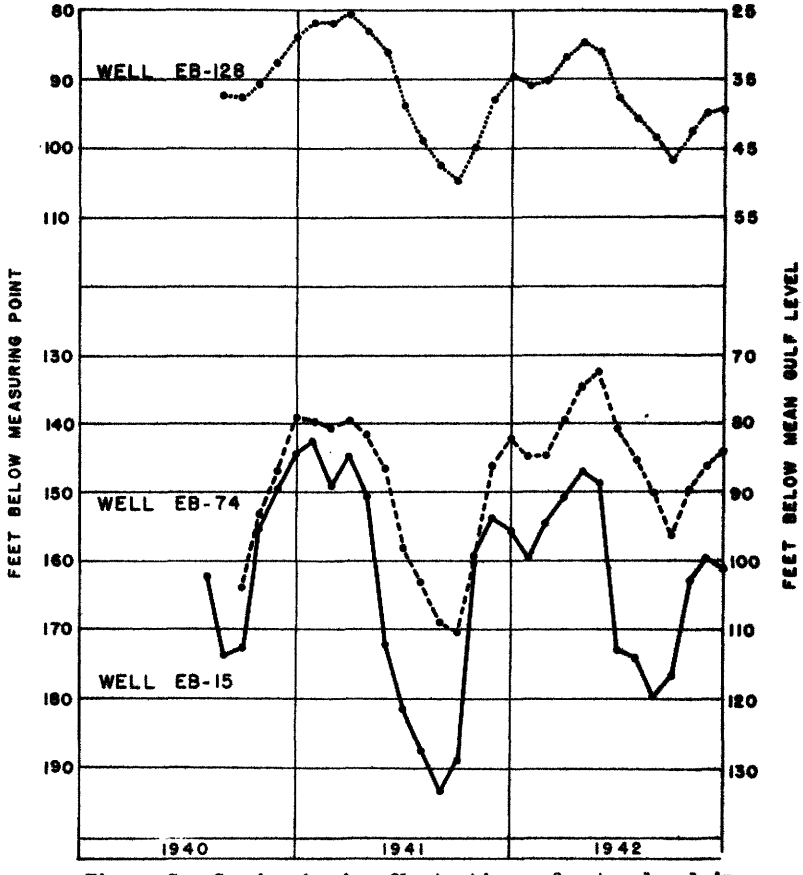

Figure 5.--Graphs showing fluctuations of water level in wells EB-15, EB-74, and EB-128, East Baton Rouge Parish, La.

well, the highest recorded in Louisiana, declined 3 pounds. It was originally 61 pounds per square inch, in 1939, but is now only 55 pounds, as measured at the land surface. The shallow wells in these two parishes showed little or no drop in pressure in 1942. Most of them are used for the irrigation of strawberries in the spring and are shut in the remainder of the year to conserve the pressure.

In St. Tammany Parish the artesian pressure in 8 key wells continued to decline, the losses averaging as much as 1 pound in the deep wells. Very few flowing wells in this parish are ever shut in or have their flow

Drescher, junior engineer, indicates that the total flow of 1,147 wells recorded in St. Tammany Parish exceeds 35 million gallons a day. Approximately 85 percent of this total, or 30 million gallons a day, is allowed to flow off without being used. The quantity of water wasted is equal to half the daily consumption of the city of New Orleans (population 494,537).

The most concentrated withdrawal of ground water in Louisiana takes place in East Baton Rouge Parish, where, in north Baton Rouge alone, approximately 53 million gallons a day is pumped in the summer months from sands ranging in depth from 400 to 2,550 feet. (See fig. 5). About 48 million gallons of this total pumpage is obtained from 76 wells in an area of less than 6 square miles that constitutes the industrial section of Baton Rouge. About 85 percent of the pumpage in the industrial section is from the "400-foot" and "600-foot" sands, which supply water suitable for cooling purposes.

The water levels of the "400-foot" and "600-foot" sands, which have declined 150 to 200 feet since 1914, recovered somewhat in 1942, as shown in figure 5 . Observation wells EB-15, EB-22, EB-45, EB-53, and EB-74 are located in the industrial section and fluctuate greatly, owing to seasonal pumping of water to be used for cooling. Observation well EB-128 is located about 3 miles south of the industrial area but shows the effect of the summer pumping very clearly. A comparison of the average weekly water level in these observation wells during the past 2 years is given below.

Average weekly water level in observation wells in Baton Rouge, 1941-42

Year	EB-15	EB-22	EB-45	EB-53	EB-74	EB-128
1941	-163.30	-167.65	-147.65	-130.12	-151.37	-90.91
1942	-162.73	-167.21	-148.83	-125.18	-143.66	-92.43
Net change	+.57	+.44	-1.18	+4.94	+7.71	-1.52

The net rise of 0.44 foot to 7.71 feet in 4 of the wells is due to the above-normal precipitation in the summer months of 1942 and the consequent decrease in pumpage for cooling purposes. It is expected that the water levels will resume their decline next year, when new industrial plants begin operation.

The artesian pressures of the deep wells (1,000 to 2,550 feet deep) continued to decline in the vicinity of the Baton Rouge industrial area. Declines of 9 to 17 pounds per square inch have been recorded since 1940

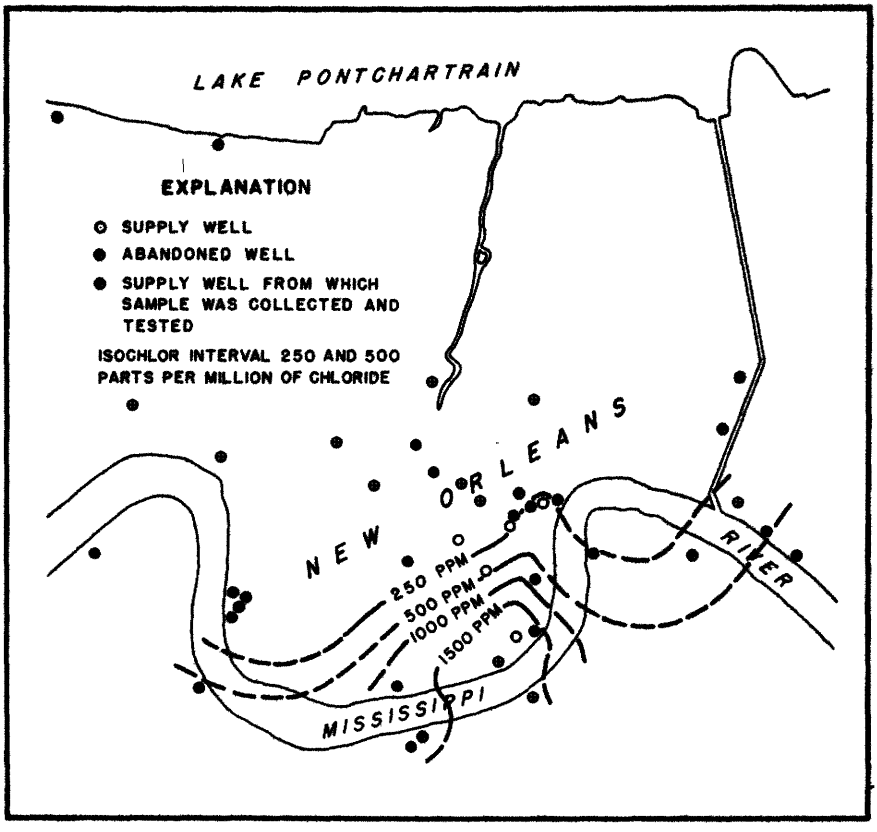

Figure 6.--Map of the New Orleans area, La., showing encroachment of brackish water in the "700-foot" sand.

in wells within a radius of 2 miles of the industrial section. The water from the deep sands was formerly considered too warm for cooling purposes, but in recent years at least one industrial plant has been obliged to develop this water and build large cooling towers. This has caused the recent decline of pressure and has required the installation of turbine pumps in nearby deep wells. Such a well is well EB-82, which can no longer be observed.

Observations of water level in the vicinity of New Orleans in Jefferson Parish were begun in 1942 after it was learned that the only freshwater sand, commonly referred to in New Orleans as the "700-foot" sand, is becoming brackish in the business district. Figure 6 shows the chloride content of the water in this sand in 1942. It indicates that the concentrated

pumping of water in the commercial district for air-conditioning and industrial uses has lowered the water level sufficiently to allow brackish water to move up the dip of the sand from the south. Fortunately this water is not used for drinking, but it is essential to many industries and any encroachment of brackish water constitutes a serious problem.

WELL DESCRIPTIONS AND RECORDS OF WATER LEVEL AND PRESSURE HEAD

Observation wells in Louisiana are listed alphabetically by parishes and numerically within each parish. Complete descriptions are given only for newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper whose number is so marked. For most wells the records given are of water level, expressed in feet; for a few, records of pressure head are given, expressed in pounds per square inch. The measurements in each well, whether of water level or pressure head, are referred to a fixed measuring point, and, as the measuring points for all the Louisiana wells are near the land surface, the measurements are referred also approximately to the land surface. The time of observation shown in the records for 1942 refers to central standard time prior to February 9 and to central war time thereafter.

Acadia Parish

Ac-5 (*886, p. 232; 909, p. 28; 939, p. 16). Mrs. W. S. Bruner. NW¼ sec. 15, T. 8 S., R. 2 E. Water levels, in feet below measuring point, 1942: Jan. 23, 2:30 p.m., 44.26; May 8, 2:50 p.m., 51.45; Sept. 18, 2:55 p.m., 52.79.

Ac-7 (*886, p. 233; 909, p. 28). Lozen Leger. NE¼ sec. 9, T. 10 S., R. 2 E. Water levels in feet below measuring point, 1942: Jan. 23, 1:45 p.m., 27.92; May 8, 2:35 p.m., 36.79; Sept. 18, 2:18 p.m., 34.61.

Ac-22 (*886, p. 233; 909, p. 28; 939, p. 16). Harry Frey. Sec. 19, T. 7 S., R. 1 E. Water levels, in feet below measuring point, 1942: Jan. 30, 10:18 a.m., 40.78; May 8, 3:40 p.m., 59:50; Sept. 18, 3:46 p.m., 53.44.

Ac-34 (*886, p. 233; 909, p. 29; 939, p. 16). Dr. F. N. Hayes. SW¼ sec. 10, T. 7 S., R. 2 W. Water levels, in feet below measuring point, 1942: Jan. 23, 3:55 p.m., 43.70; Apr. 3, 4:00 p.m., 42.04; Sept. 18, 5:05 p.m., 53.59

Ac-35 (*886, p. 233; 909, p. 29; 939, p. 16). Onezime Doucet. NW¼ sec. 22, T. 8 S., R. 2 W. Water levels, in feet below measuring point, 1942: Apr. 3, 3:40 p.m., 34.35; Sept. 10, 4:16 p.m., 46.15

Ac-40 (*886, p. 234; 909, p. 29; 939, p. 16). H. A. Kerr. NE¼ sec. 1, T. 9 S., R. 1 W. Water-stage recorder removed Feb. 6, 1942.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	10:30 a.m.	27.43	June 5	2:45 p.m.	51.36
9	4:15 p.m.	27.44	July 10	1:33 p.m.	35.89
16	4:32 p.m.	27.32	Aug. 7	2:25 p.m.	45.65
23	3:00 p.m.	27.13	28	2:30 p.m.	43.50
30	12:05 p.m.	26.88	Sept.28	3:13 p.m.	36.17
Feb. 6	3:35 p.m.	26.71	Oct. 30	3:15 p.m.	32.26
Mar. 6	3:10 p.m.	25.85	Nov. 30	2:05 p.m.	30.42
Apr. 3	2:55 p.m.	25.36	Dec. 30	3:45 p.m.	28.90
May 8	4:10 p.m.	38.88			

Ac-56 (*886, p. 234; 909, p. 29; 939,p. 17). Henry Bieber. NW¼ sec. 36, T. 7 S., R. 1 E. Water level, in feet below measuring point,1942: Sept. 18, 3:22 p.m., 57.51.

Ac-175 (*886, p. 235; 909, p. 30; 939, p. 17). Leon Lapleau. North line sec. 46, T. 10 S., R. 2 W. Water levels, in feet below measuring point, 1942: Feb. 6, 2:52 p.m., 18.98; Apr. 3, 2:05 p.m., 17.83; Sept. 18, 1:35 p.m., 26.29.

Ac-179 (*886, p. 235; 909, p. 30; 939, p. 17). Dr. F. N. Hayes. NW¼ sec. 34, T. 8 S., R. 1 W. Water levels, in feet below measuring point,1942: Jan. 23, 3:20 p.m., 36.29; Apr. 3, 3:15 p.m., 34.55; Sept. 18, 4:16 p.m., 46.81.

Al-7 (*909, p. 30; 939, p. 17). M. Carroll. NW¼ sec. 36, T. 4 S., R. 4 W. Water levels, in feet below measuring point, 1942: Feb. 6, 9:33 a.m., 48.76; Apr. 3, 9:15 a.m., 48.84; Sept. 25, 10:00 a.m., 52.43.

Al-16 (*909, p. 31; 939, p. 17). Sam Fisher. SE¼ sec. 22, T. 5 S., R. 4 W. Water level, in feet below measuring point, 1942: Sept. 25, 10:25 a.m., 43.52.

Al-17 (*909, p. 31; 939, p.17). Town of Kinder. Abandoned air-lift well located near south wall of water works building.

Water level, in feet below measuring point, 1942

Jan. 2	2:30 p.m.	35.27	Aug. 7	9:45 a.m.	36.56
30	4:18 p.m.	34.92	28	10:15 a.m.	37.09
Mar. 6	11:45 a.m.	34.49	Sept.25	10:45 a.m.	37.15
Apr. 3	9:45 a.m.	34.27	Oct. 30	10:30 a.m.	37.09
May 8	10:20 a.m.	34.16	Nov. 30	9:35 a.m.	36.96
June 5	9:30 a.m.	37.80	Dec. 30	10:30 a.m.	36.73
July 10	9:50 a.m.	35.88			

A-29 (909, p. 31; 939, pp. 17, 18). Calcasieu Sulphate Paper Co. Elizabeth, east of paper mill. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Jan. 6	8:00 a.m.	50.64	Mar. 2	9:00 a.m.	52.10
13	8:00 a.m.	51.07	10	9:00 a.m.	52.09
20	8:00 a.m.	53.40	17	9:00 a.m.	50.82
27	8:00 a.m.	51.75	24	9:00 a.m.	50.25
Feb. 3	8:00 a.m.	52.34	30	9:00 a.m.	50.48
10	9:00 a.m.	52.24	Apr. 7	9:00 a.m.	52.28
17	9:00 a.m.	52.16	14	9:00 a.m.	51.80
24	9:00 a.m.	52.00	21	9:00 a.m.	51.88

Al-29 (909, p. 31; 939, pp. 17, 18). Calcasieu Sulphate Paper Co.--Continued.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Apr. 28	9:00 a.m.	50.79	Sept. 1	11:55 a.m.	52.00
May 5	9:00 a.m.	50.10	8	10:50 a.m.	52.09
12	9:00 a.m.	49.84	16	8:30 a.m.	49.63
19	9:00 a.m.	52.18	22	9:30 a.m.	51.44
26	9:00 a.m.	51.88	29	9:05 a.m.	51.95
June 2	9:00 a.m.	50.22	Oct. 6	9:00 a.m.	50.50
9	9:00 a.m.	44.10	13	11:10 a.m.	50.48
16	10:00 a.m.	51.75	20	11:15 a.m.	50.00
23	9:30 a.m.	52.14	28	9:30 a.m.	50.44
30	9:30 a.m.	51.90	Nov. 4	10:00 a.m.	51.70
July 7	9:30 a.m.	52.07	11	1:10 p.m.	51.07
14	9:30 a.m.	52.66	18	9:15 a.m.	50.58
21	9:30 a.m.	53.00	25	10:30 a.m.	49.87
28	9:30 a.m.	52.66	Dec. 2	12:45 p.m.	49.74
Aug. 4		52.80	9	12:30 p.m.	49.87
11	9:30 a.m.	52.96	16	9:45 a.m.	48.77
18	11:30 a.m.	52.94	23	1:10 p.m.	50.11
25	10:45 a.m.	52.31	30	9:45 a.m.	50.12

Avoyelles Parish

Av-18 (*845, p. 146; 886, p. 236; 909, p. 31; 939, p. 18). Haas Investment. Shirley Plantation, on parish line, sec. 28, T. 1 S., R. 2 E. Water level, in feet below measuring point, 1942: Dec. 29, 15.09.

Calcasieu Parish

Cu-2 (*909, p. 32; 939, p. 18). Town of Vinton. Westernmost of three air-lift wells at ice plant. Water level, in feet below measuring point, 1942: Dec. 23, 3.29.

Cu-4 (*909, p. 32; 939, p. 18). Measurements discontinued. Well plugged.

Cu-5 (*909, p. 32; 939, p. 18). Jim Turner. SE¼ sec. 8, T. 8 S., R. 8 W. Water level, in feet below measuring point, 1942: Dec. 30, 11.71.

Cu-8 (*909, p. 32; 939, p. 18). Krause & Managan Lumber Co., Ltd. SE¼ sec. 15, T. 9 S., R. 9 W. Water-stage recorder removed Feb. 4, 1942. (Well blocked at 17.5 feet.)

Water level, in feet below measuring point, 1942

Jan. 9	1:30 p.m.	13.13	May 8	11.47 a.m.	10.83
16	2:10 p.m.	13.21	June 5	11.00 a.m.	14.08
30	3:05 p.m.	12.97	July 10	10.51 a.m.	12.85
Feb. 4	12:30 p.m.	12.74	Aug. 7	11.00 a.m.	12.59
Mar. 6	12:50 p.m.	13.79	28		17.5
Apr. 3	11:15 a.m.	11.52			

East Baton Rouge Parish

EB-15 (*909, p. 32; 939, p. 19). Standard Oil Co. of Louisiana. Baton Rouge refinery, southeast of tank 67. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	9:52 a.m.	155.12	July 3	9:15 a.m.	172.91
9	9:52 a.m.	158.94	10	8:55 a.m.	171.68
16	10:00 a.m.	157.27	17	9:15 a.m.	175.96
24	10:30 a.m.	159.27	24	9:10 a.m.	173.33
30	10:30 a.m.	159.80	31	3:30 p.m.	173.70
Feb. 6	10:15 a.m.	158.77	Aug. 7	10:00 a.m.	175.40
13	10:00 a.m.	161.65	14	2:30 p.m.	178.25
20	9:30 a.m.	158.17	21	9:40 a.m.	178.47
27	10:15 a.m.	154.20	28	1:40 p.m.	179.73
Mar. 6	10:25 a.m.	152.80	Sept. 4	10:40 a.m.	181.42
13	10:20 a.m.	152.46	11	10:15 a.m.	186.87
20	9:55 a.m.	150.87	18	9:30 a.m.	183.29
27	9:45 a.m.	150.52	25	10:20 a.m.	184.50
Apr. 3	10:50 a.m.	150.93	Oct. 2	10:17 a.m.	176.72
10	11:10 a.m.	148.82	9	10:00 a.m.	169.53
17	2:15 p.m.	148.56	16	9:55 a.m.	166.75
25	10:15 a.m.	144.72	23	10:15 a.m.	164.79
May 1	10:40 a.m.	146.94	30	10:00 a.m.	162.83
8	10:30 a.m.	145.84	Nov. 6	10:08 a.m.	162.55
15	10:15 a.m.	147.65	13	10:00 a.m.	161.53
22	10:20 a.m.	147.96	20	2:45 p.m.	159.43
29	9:40 a.m.	148.76	27	9:53 a.m.	159.58
June 5	10:40 a.m.	150.08	Dec. 4	10:40 a.m.	159.16
12	9:50 a.m.	164.04	11	3:25 p.m.	161.42
19	9:50 a.m.	170.07	18	10:12 a.m.	164.74
26	3:10 p.m.	172.50	24	9:45 a.m.	160.94

EB-22 (*909, p. 33; 939, p. 19). Standard Oil Co. of Louisiana. Baton Rouge refinery, southwest of tank 784. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	9:37 a.m.	158.04	July 3	9:00 a.m.	180.53
9	9:30 a.m.	160.12	10	8:35 a.m.	179.94
16	9:40 a.m.	158.98	17	9:00 a.m.	180.29
24	10:00 a.m.	158.75	24	8:55 a.m.	177.32
30	10:00 a.m.	161.30	31	3:15 p.m.	177.31
Feb. 6	10:00 a.m.	162.90	Aug. 7	9:40 a.m.	177.32
13	9:30 a.m.	162.01	14	2:10 p.m.	183.32
20	9:10 a.m.	159.40	21	9:30 a.m.	188.17
27	10:00 a.m.	157.50	28	1:25 p.m.	187.14
Mar. 6	10:05 a.m.	156.52	Sept. 4	10:20 a.m.	189.97
13	10:00 a.m.	155.77	11	10:00 a.m.	192.34
20	9:35 a.m.	156.62	18	9:15 a.m.	190.30
27	9:25 a.m.	157.10	25	10.00 a.m.	190.80
Apr. 3	10:30 a.m.	155.90	Oct. 2	10:00 a.m.	177.29
10	10:45 a.m.	156.56	9	9:40 a.m.	168.29
17	12:00 p.m.	152.92	16	9:40 a.m.	169.29
25	10:00 a.m.	150.90	23	9:52 a.m.	169.81
May 1	10:25 a.m.	151.05	30	9:43 a.m.	167.90
8	10:10 a.m.	152.28	Nov. 6	9:43 a.m.	166.60
15	10:00 a.m.	153.04	13	9:37 a.m.	164.41
22	9:55 a.m.	152.57	20	2:25 p.m.	167.03
29	9:20 a.m.	152.61	27	9:34 a.m.	165.72
June 5	10:15 a.m.	156.13	Dec. 4	10:23 a.m.	164.64
12	9:35 a.m.	170.88	11	3:05 p.m.	168.28
19	9:30 a.m.	175.35	18	9:42 a.m.	162.91
26	2:50 p.m.	178.53	24	9:30 a.m.	164.43

EB-45 (*909, p. 33; 939, p. 20). Standard Oil Co. of Louisiana. Baton Rouge refinery, east well on dock approach.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	10:10 a.m.	137.20	July 3	9:55 a.m.	163.02
7	10:12 a.m.	140.70	10	9:20 a.m.	158.69
16	10:20 a.m.	140.48	17	9:50 a.m.	163.72
24	10:43 a.m.	142.10	24	9:35 a.m.	162.03
30	11:00 a.m.	142.84	31	3:55 p.m.	164.76
Feb. 6	10:40 a.m.	142.55	Aug. 7	10:20 a.m.	165.82
13	10:15 a.m.	143.80	14	2:50 p.m.	167.73
20	9:50 a.m.	141.48	21	10:10 a.m.	168.81
27	10:45 a.m.	138.58	28	2:00 p.m.	168.48
Mar. 6	10:42 a.m.	137.17	Sept. 4	11:05 a.m.	172.31
13	10:50 a.m.	136.63	11	10:45 a.m.	175.18
20	10:15 a.m.	131.33	18	9:55 a.m.	173.23
27	10:10 a.m.	129.74	25	10:50 a.m.	172.51
Apr. 3	11:35 a.m.	129.78	Oct. 2	10:40 a.m.	164.16
10	11:50 a.m.	130.68	9	10:20 a.m.	157.91
17	2:45 p.m.	130.95	16	10:20 a.m.	154.30
25	10:45 a.m.	129.45	23	10:50 a.m.	153.05
May 1	11:00 a.m.	131.44	30	10:45 a.m.	150.80
8	11:00 a.m.	131.89	Nov. 6	10:25 a.m.	151.55
15	10:45 a.m.	132.17	13	10:15 a.m.	149.30
22	10:45 a.m.	133.03	20	3:00 p.m.	146.09
29	10:05 a.m.	133.16	27	10:08 a.m.	146.76
June 5	11:15 a.m.	134.73	Dec. 4	10:55 a.m.	146.41
12	10:15 a.m.	151.37	11	3:40 p.m.	148.81
19	10:25 a.m.	158.39	18	10:40 a.m.	151.52
26	3:35 p.m.	161.51	24	10:08 a.m.	148.96

EB-53 (*909, p. 33; 939, p. 20). Standard Oil Co. of Louisiana. Baton Rouge refinery, west well on dock approach.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	10:06 a.m.	120.48	July 3	9:50 a.m.	143.90
7	10:05 a.m.	122.60	10	9:15 a.m.	129.96
16	10:20 a.m.	123.74	17	9:45 a.m.	131.60
24	10:36 a.m.	124.62	24	9:30 a.m.	137.52
30	11:15 a.m.	125.56	31	3:50 p.m.	136.37
Feb. 6	10:45 a.m.	127.32	Aug. 7	10:15 a.m.	137.47
13	10:15 a.m.	126.02	14	2:45 p.m.	140.38
20	9:45 a.m.	122.40	21	10:05 a.m.	142.31
27	10:55 a.m.	117.30	28	1:55 p.m.	143.07
Mar. 6	10:37 a.m.	123.02	Sept. 4	11:00 a.m.	144.99
13	10:40 a.m.	113.45	11	10:35 a.m.	147.05
20	10:10 a.m.	114.82	18	9:50 a.m.	143.23
27	10:05 a.m.	111.60	25	10:40 a.m.	146.53
Apr. 3	10:30 a.m.	110.30	Oct. 2	10:45 a.m.	142.00
10	11:40 a.m.	110.64	9	10:15 a.m.	130.76
17	2:30 p.m.	111.25	16	10:15 a.m.	128.75
25	10:30 a.m.	106.21	23	10:45 a.m.	127.50
May 1	11:15 a.m.	106.70	30	10:55 a.m.	127.85
8	10:50 a.m.	103.81	Nov. 6	10:30 a.m.	127.30
15	10:40 a.m.	104.45	13	10:25 a.m.	124.05
22	10:35 a.m.	107.84	20	3:07 p.m.	124.70
29	10:00 a.m.	108.43	27	10:15 a.m.	124.97
June 5	11:10 a.m.	109.87	Dec. 4	11:00 a.m.	124.79
12	10:10 a.m.	117.72	11	3:45 p.m.	125.25
19	10:15 a.m.	130.95	18	10:30 a.m.	122.87
26	3:20 p.m.	132.63	24	10:04 a.m.	120.58

EB-74 (*909, p. 33; 939, p. 21). Solvay Process Co. Baton Rouge, at gate to plant. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	9:15 a.m.	142.03	July 3	8:30 a.m.	140.39
9	9:07 a.m.	142.57	10	8:10 a.m.	141.94
16	9:15 a.m.	142.99	17	8:30 a.m.	143.44
24	9:40 a.m.	143.77	24	8:30 a.m.	144.60
30	9:30 a.m.	144.42	31	2:50 p.m.	145.23
Feb. 6	9:20 a.m.	145.32	Aug. 7	9:15 a.m.	145.80
13	9:00 a.m.	145.81	14	1:35 p.m.	146.69
20	8:50 a.m.	145.76	21	9:00 a.m.	148.10
27	9:20 a.m.	144.67	28	2:50 p.m.	149.73
Mar. 6	9:45 a.m.	143.52	Sept. 4	9:50 a.m.	151.32
13	9:30 a.m.	144.31	11	9:35 a.m.	153.15
20	9:15 a.m.	141.46	18	8:40 a.m.	154.52
27	8:45 a.m.	140.66	25	9:35 a.m.	155.57
Apr. 3	10:00 a.m.	139.41	Oct. 2	9:23 a.m.	156.05
10	10:20 a.m.	138.62	9	9:15 a.m.	153.90
17	1:30 p.m.	137.39	16	9:15 a.m.	151.72
25	9:30 a.m.	136.11	23	9:23 a.m.	150.14
May 1	10:10 a.m.	134.30	30	9:15 a.m.	149.37
8	9:40 a.m.	133.52	Nov. 6	9:15 a.m.	148.37
15	9:30 a.m.	132.49	13	9:10 a.m.	147.36
22	9:30 a.m.	132.52	20	2:00 p.m.	146.28
29	9:00 a.m.	132.07	27	9:10 a.m.	146.13
June 5	9:45 a.m.	131.81	Dec. 4	9:34 a.m.	145.70
12	9:50 a.m.	132.26	11	2:42 p.m.	145.40
19	8:35 a.m.	135.00	18	9:20 a.m.	144.88
26	2:30 p.m.	138.17	24	9:05 a.m.	143.79

EB-82 (* 909, p. 34; 939, p. 21). Gulf States Utilities. Baton Rouge, at power plant. Water level below land surface in May 1942. Measurement discontinued.

EB-125 (*909, p. 34; 939, p. 21). Peoples Ice and Fuel Co. Baton Rouge, 1931 Railroad Avenue. Water levels, in feet below measuring point, 1942: May 27, 2:05 p.m., 98.65; Sept. 11, 11:15 a.m., 128.98.

EB-128 (*909, p. 34; 939, p. 21). Ice Service, Inc. Baton Rouge, 135 South 15th Street. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	8:30 a.m.	89.48	July 3	8:00 a.m.	92.55
9	8:30 a.m.	89.36	10	7:40 a.m.	93.16
16	8:30 a.m.	90.05	17	8:00 a.m.	93.08
24	9:15 a.m.	90.46	24	7:30 a.m.	94.59
30	8:40 a.m.	90.55	31	2:15 p.m.	95.84
Feb. 6	8:30 a.m.	90.87	Aug. 7	8:45 a.m.	96.70
13	8:30 a.m.	91.15	14	9:45 a.m.	97.32
20	8:20 a.m.	90.73	21	8:30 a.m.	97.70
27	8:45 a.m.	90.02	28	12:55 p.m.	98.25
Mar. 6	9:15 a.m.	89.37	Sept. 4	9:00 a.m.	98.98
13	8:30 a.m.	88.81	11	8:55 a.m.	99.91
20	8:25 a.m.	88.37	18	8:00 a.m.	100.64
27	8:10 a.m.	87.43	25	8:55 a.m.	101.36
Apr. 3	9:20 a.m.	86.78	Oct. 2	8:35 a.m.	101.79
10	9:25 a.m.	86.19	9	8:40 a.m.	100.90
17	1:00 p.m.	85.70	16	8:40 a.m.	99.38
25	9:00 a.m.	85.13	23	8:36 a.m.	98.08
May 1	9:00 a.m.	84.68	30	8:37 a.m.	97.29
8	9:00 a.m.	85.00	Nov. 6	8:45 a.m.	96.75
15	9:00 a.m.	85.19	13	8:35 a.m.	96.03
22	9:00 a.m.	85.55	20	1:27 p.m.	95.18
29	8:25 a.m.	85.69	27	8:40 a.m.	94.82
June 5	9:05 a.m.	85.75	Dec. 4	8:52 a.m.	94.04
12	8:10 a.m.	86.90	11	2:12 p.m.	93.81
19	8:05 a.m.	89.16	18	8:42 a.m.	94.33
26	2:00 p.m.	91.20	24	9:33 a.m.	94.54

Evangeline Parish

Ev-1 (*886, p. 236; 909, p. 34; 939, p. 22). John La Haye. SW¼ sec. 20, T. 4 S., R. 1 E. Water levels, in feet below measuring point, 1942: Jan. 30, 9:18 a.m., 43.15; Apr. 3, 4:20 p.m., 48.41; Sept. 25, 4:31 p.m., 48.14.

Ev-2 (*886, p. 236; 909, p. 34; 939, p. 22). Dorestant Ardoin. North line sec. 37, T. 6 S., R. 1 W. Water levels, in feet below measuring point, 1942: Jan. 30, 9:40 a.m., 49.69; Apr. 3, 4:55 p.m., 42.46; Sept. 25, 4:00 p.m. 59.46.

Ev-4 (*909, p. 35; 939, p. 22). Rock Island Railway. SW¼ sec. 31, T. 1 S., R. 1 E.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	8:40 a.m.	26.05	July 10	3:10 p.m.	29.98
30	8:45 a.m.	33.43	Aug. 28	4:00 p.m.	36.29
Mar. 6	4:25 p.m.	24.86	Sept.25	5:18 p.m.	32.62
Apr. 3	5:20 p.m.	25.21	Oct. 30	4:55 p.m.	27.92
May 8	5:30 p.m.	28.20	Nov. 30	4:10 p.m.	31.45
June 5	4:30 p.m.	34.92	Dec. 30	5:35 p.m.	25.15

Grant Parish

G-2 (*845, p. 146; 886, p. 236; 909, p. 35; 939, p. 22). Carnahan, Hunthunce, and Hargiss. Sec. 5, T. 5 N., R. 3 W. Water levels, in feet below measuring point, 1942: Apr. 27, 3:05 p.m., 1.77; Aug. 2, 2:45 p.m., 7.01; Nov. 9, 3:05 p.m., 7.42; Dec. 14, 5:30 p.m., 7.95.

G-11. Measurements discontinued.

G-21 (*845, p. 146; 886, p. 236; 909, p. 36; 939, p. 23). United States Department of Agriculture. Catahoula Fire Tower, Pollock.

Water level, in feet below measuring point, 1942

Jan. 13	11:00 a.m.	137.23	July 24	2:35 p.m.	139.22
Feb. 20	4:40 p.m.	138.93	Dec. 14	4:20 p.m.	138.98
Apr. 28	11:45 a.m.	138.19			

G-27 (*845, p. 146; 909, p. 36; 939, p. 23). 4-H Club camp. SW¼SW¼SW¼ sec. 4, T. 6 N., R. 1 E., Fishville. Water level, in feet above measuring point, 1942: Dec. 22, 2.13.

G-30. Measurements discontinued.

G-38 (*886, p. 237; 909, p. 36; 939, p. 23). Grant Utilities Co. Montgomery, northwest well behind power plant. Well pulled November 1942.

Water level, in feet below measuring point, 1942

Jan. 15	11:30 a.m.	15.60	Apr. 27	4:15 p.m.	14.54
Feb. 5	2:33 p.m.	15.43	Aug. 2	3:45 p.m.	15.09
Mar. 29	5:05 p.m.	14.63			

G61. Measurements discontinued.

Jefferson Parish

Jf-12. Fourth Jefferson drainage district. Pumping station 1, New Orleans, about 1.25 miles west of parish line, on Lake Pontchartrain. Abandoned drilled well, diameter 4 inches, depth 880 feet. Measuring point, top of 4-inch elbow, 1.67 feet above land surface. Water level, in feet below measuring point, 1942: Dec. 28, 16.11.

Jefferson Davis Parish

JD-6 (*886, p. 238; 909, p. 37; 939, p. 24). Latrielle Estate. NW¼ sec. 22, T. 8 S., R. 4 W. Water level, in feet below measuring point, 1942: Feb. 6, 11:04 a.m., 45.10.

JD-9 (*845, p. 147; 886, p. 238; 909, p. 37; 939, p. 24). Calcasieu-Marine National Bank. NW¼ sec. 34, T. 9 S., R. 4 W. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 2	12:00 p.m.	21.72	July 10	1:41 p.m.	30.65
9	3:05 p.m.	21.68	31	1:00 p.m.	33.70
16	3:30 p.m.	21.51	Aug. 28	1:10 p.m.	36.22
23	12:30 p.m.	21.32	Sept. 25	2:00 p.m.	29.15
30	1:47 p.m.	21.03	Oct. 2	12:30 p.m.	28.26
Feb. 4	3:25 p.m.	21.01	30	1:50 p.m.	25.74
Mar. 1	8:00 p.m.	22.57	Nov. 30	12:50 p.m.	24.03
25	1:00 p.m.	23.68	Dec. 10	1:15 p.m.	23.45
May 1	5:00 p.m.	33.10	30	1:35 p.m.	22.74
June 5	1:15 p.m.	41.00			

JD-11 (*845, 147; 886, p. 238; 909, p. 28; 939, p. 24). Mrs. T. L. Linscomb. NE¼ sec. 28, T. 7 S., R. 3 W. Water levels, in feet below measuring point, 1942: Feb. 6, 10:28 a.m., 43.22; Sept. 18, 11:15 a.m., 50.47.

JD-23 (*845, p. 148; 886, p. 240; 909, p. 38; 939, pp. 24, 25). Calcasieu-Marine National Bank. NE¼ sec. 4, T. 10 S., R. 6 W. Water-stage recorder removed Feb. 4, 1942.

Water level, in feet below measuring point, 1942

Jan. 9	2:35 p.m.	20.50	June 5	12.25 p.m.	24.42
16	3:00 p.m.	20.30	July 10	12.04 p.m.	24.12
22	11:45 a.m.	20.02	Aug. 7	12.19 p.m.	27.41
28	11:30 a.m.	19.89	28	11.38 p.m.	25.21
Mar. 6	1:57 p.m.	18.65	Sept. 25	1.30 a.m.	25.01
Apr. 3	12:00 a.m.	18.20	Nov. 30	12.20 p.m.	19.87
May 8	1:18 p.m.	17.98	Dec. 30	12:50 p.m.	20.97

JD-26 (*886, p. 240; 909, p. 38; 939, p. 25). I. L. Hebert. NE¼ sec. 21, T. 10 S., R. 3 W. Water levels, in feet below measuring point, 1942: Feb. 6, 2:06 p.m., 23.04; Apr. 3, 1:00 p.m., 21.94; Sept. 18, 1:01 p.m. 30.13.

JD-42 (*909, p. 39; 939, p. 25). Fritz Miller. SE¼ sec. 24, T. 8 S., R. 5 W. Water levels, in feet below measuring point, 1942: Feb. 6, 11:20 a.m., 37.65; Sept. 18, 11:55 a.m., 45.83.

JD-43 (*886, p. 241; 909, p. 39; 939, p. 25). Colon Leger. NE¼ sec. 24, T. 8 S., R. 6 W. Water levels, in feet below measuring point, 1942: Jan. 30, 4:00 p.m., 28.12; Apr. 3, 10:05 a.m., 26.78; Sept. 18, 12:10 p.m., 34.68.

JD-65. Measurements discontinued.

JD-115 (*886, p. 241; 909, p. 39; 939, p. 25). Calcasieu-Marine National Bank. NE¼ sec. 34, T. 9 S., R. 5 W. Water levels, in feet below measuring point, 1942. Jan. 30, 2:03 p.m., 30.16; Apr. 3, 12:20 p.m., 28.67 Sept. 18, 12:35 p.m., 39.85.

JD-221. John Ardoin. One mile north of overpass on U. S. Highway 165 near Iowa Junction. Dug domestic well, diameter 18 inches, depth 15 feet. Measuring point, top of concrete curb at land surface, elevation about 30 feet above mean gulf level.

JD-221. John Ardoin --Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Aug. 7	5.56	Sept. 25	6.35	Dec. 30	4.47
28	7.08	Nov. 30	8.45		

La Salle Parish

La-18 (*886, p. 241; 909, p. 39; 939, p. 26). Good Pine Lumber Co. NE¼ sec. 9, T. 8 N., R. 3 E. Good Pine, under derrick on pond, behind boiler room. Well plugged. Measurements discontinued August 1942.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 13	12:19 p.m.	33.00	Apr. 28	10:45 a.m.	32.81
Feb. 20	3:05 p.m.	33.02	July 24	3:47 p.m.	33.15
Mar. 27	2:15 p.m.	27.86			

La-41 (*886, p. 242; 909, p. 40; 939, p. 26). Louisiana Delta Hardwood Lumber Co. NE¼ sec. 8, T. 8 N., R. 3 E. Trout, at west road entrance to mill.

Water level, in feet below measuring point, 1942

Jan. 13	12:05 p.m.	28.49	Apr. 28	10:15 a.m.	27.82
Feb. 20	3:30 p.m.	28.24	July 24	3:20 p.m.	27.87
Mar. 27	2:25 p.m.	32.20	Dec. 14	3:05 p.m.	30.34

La-42 (*886, p. 242; 909, p. 40; 939, p. 26). Louisiana Delta Hardwood Lumber Co. NE¼ sec. 8, T. 8 N., R. 3 E. Trout, under derrick at lumber shed. Well plugged. Measurements discontinued August 1942.

Water level, in feet below measuring point, 1942

Jan. 13	11:55 a.m.	33.29	Apr. 28	10:25 a.m.	32.09
Feb. 20	3:40 p.m.	32.97	July 24	3:30 p.m.	32.56
Mar. 27	3:00 p.m.	32.88			

Livingston Parish

Li-4. Measurements discontinued.

Li-10 (*909, p. 40; 939, p. 26). McCarroll Lumber Co. Frost, north side of mill pond. Water levels, in feet above measuring point, 1942: Feb. 3, 3.3; Nov. 4, 1.9.

Li-11 (*909, p. 40; 939, p. 26). Sharp CCC camp. Springville. Water levels, in feet above measuring point, 1942: Feb. 3, 2.01; Nov. 4, 2.04.

Li-16 (*909, p. 40; 939, p. 26). J. F. McCarroll. Holden, 200 feet west of residence. New measuring point, valve 3 feet above land surface. Pressure in pounds per square inch, 1942: Feb. 3, 54.0.

Morehouse Parish

Mo-1 (*909, p. 40; 939, p. 26). Town of Bastrop. City Park. Water level, in feet below measuring point, 1942: Dec. 29, 71.43.

Rapides Parish

4 (*845, p. 137; 886, p. 243; 909, p. 41; 939, p. 26). City of Alexandria. Fourth and Monroe Streets. Equipped with water-stage recorder. Measurements discontinued November 1942.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 7	9:35 a.m.	11.78	June 24	9:47 a.m.	7.72
14	2:45 p.m.	12.51	July 1	7:25 a.m.	9.69
21	10:05 a.m.	13.31	8	5:00 p.m.	10.75
28	1:15 p.m.	13.85	15	6:35 p.m.	12.51
Feb. 4	10:30 a.m.	14.20	22	5:40 p.m.	13.73
11	99:58 a.m.	14.48	31	10:30 a.m.	14.76
18	9:25 a.m.	14.05	Aug. 5	11:25 a.m.	15.23
25	10:20 a.m.	13.92	12	10:00 a.m.	15.70
Mar. 4	9:20 a.m.	13.01	19	1:30 p.m.	15.96
11	11:00 a.m.	10.66	26	1:30 p.m.	16.38
18	9:30 a.m.	10.44	Sept. 2	6:15 p.m.	16.42
Apr.15	10:45 a.m.	8.66	9	11:15 a.m.	16.57
22	10:00 a.m.	6.50	16	3:05 p.m.	16.72
29	9:30 a.m.	5.58	23	10:35 a.m.	16.77
May 6	9:00 a.m.	5.26	30	12:30 p.m.	16.95
13	10:00 a.m.	4.99	Oct. 7	11:00 a.m.	17.02
20	1:45 p.m.	5.59	14	4:30 p.m.	17.07
27	10:00 a.m.	6.61	21	2:35 p.m.	17.58
June 3	11:50 a.m.	7.17	28	5:03 p.m.	17.77
10	10:00 a.m.	7.15	Nov. 4	5:30 p.m.	17.79
19	5:50 p.m.	8.48			

7. Measurements discontinued.

20. Measurements discontinued.

21 (*845, p. 140; 886, p. 245; 909, p. 42; 939, p. 27, 28). City of Alexandria. Fourth and St. James Streets.

Water level, in feet below measuring point, 1942

Jan. 7	10:40 a.m.	128.60	July 1	1:15 p.m.	154.02
14	1:40 p.m.	124.18	8	5:10 p.m.	156.02
21	9:05 a.m.	125.54	15	5:55 p.m.	160.02
28	2:20 p.m.	122.91	23	10:30 a.m.	157.75
Feb. 4	1:00 p.m.	121.22	Aug. 5	7:56 p.m.	159.40
11	11:10 p.m.	121.11	13	11:20 a.m.	159.69
18	11:15 p.m.	123.09	19	6:30 p.m.	163.30
Mar. 4	9:40 a.m.	125.62	26	5:42 p.m.	164.58
11	5:05 p.m.	126.87	Sept. 2	6:30 p.m.	162.74
18	4:50 p.m.	126.65	9	9:30 a.m.	153.94
25	10:40 a.m.	126.74	16	3:30 p.m.	162.25
Apr. 1	5:55 p.m.	130.78	23	6:00 p.m.	162.29
10	4:45 p.m.	120.80	Oct. 7	4:13 p.m.	156.40
15	11:05 a.m.	128.43	14	4:45 p.m.	152.00
22	10:25 a.m.	127.72	21	2:00 p.m.	150.77
29	10:30 a.m.	122.63	28	5:15 p.m.	148.47
May 6	10:30 a.m.	129.34	Nov. 11	10:00 a.m.	145.09
20	12:45 p.m.	123.26	19	10:30 a.m.	141.39
27	10:45 p.m.	127.94	25	5:45 p.m.	147.97
June 3	9:30 a.m.	134.14	Dec. 3	4:55 p.m.	147.38
10	11:00 a.m.	131.62	8	5:30 p.m.	143.42
17	9:30 a.m.	136.74	31	11:00 a.m.	142.65
24	10:00 a.m.	148.95			

22 (*845, p. 140; 886, p. 245; 909, p. 42; 939, p. 28). J. N. Balls. Alexandria, Kent Park at Texas Avenue. Water level, in feet below measuring point, 1942: Oct. 1, 1:30 p.m., 28.50.

588859 O—44——3

26 (*845, p. 140; 886, p. 245; 909, p. 43; 939, p. 28). Missouri Pacific Railroad. Alexandria, abandoned roundhouse on North 13th St. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 7	9:15 a.m.	114.95	July 8	11:00 a.m.	130.42
14	3:16 p.m.	119.44	15	7:25 a.m.	130.79
21	9:30 a.m.	120.58	22	5:57 p.m.	131.10
28	1:47 p.m.	116.23	31	11:00 a.m.	130.99
Feb. 4	10:08 a.m.	120.51	Aug. 5	7:15 p.m.	133.86
11	9:30 a.m.	121.03	13	11:40 a.m.	140.60
18	9:00 a.m.	116.92	19	7:20 p.m.	132.48
25	10:00 a.m.	117.44	26	6:50 p.m.	138.56
Mar. 4	9:00 a.m.	119.90	Sept. 2	5:45 p.m.	139.11
11	11:25 a.m.	119.30	9	11:35 a.m.	140.46
18	9:02 a.m.	118.68	16	6:00 p.m.	135.48
24	4:40 p.m.	118.31	23	6:18 p.m.	133.34
Apr. 1	6:20 p.m.	118.38	30	12:45 p.m.	131.77
10	9:25 a.m.	119.48	Oct. 7	6:15 p.m.	131.26
17	5:00 p.m.	120.24	14	11:50 a.m.	131.64
22	9:30 a.m.	120.57	21	2:15 p.m.	132.44
29	9:50 a.m.	120.87	28	4:45 p.m.	131.82
May 6	9:25 a.m.	121.57	Nov. 4	6:00 p.m.	131.16
13	9:30 a.m.	121.65	13	4:30 p.m.	131.38
20	2:10 p.m.	122.56	18	4:30 p.m.	131.71
27	9:30 a.m.	123.70	25	6:00 p.m.	132.61
June 3	11:30 a.m.	129.42	Dec. 3	5:45 p.m.	132.70
10	9:30 a.m.	134.27	8	3:00 p.m.	134.23
17	6:43 p.m.	137.18	16	1:00 p.m.	132.22
24	9:30 a.m.	130.36	23	1:00 p.m.	132.27
July 1	1:00 p.m.	129.77	31	10:00 a.m.	132.14

34. Measurements discontinued.

35 (*845, p. 141; 886, p. 246; 909, p. 44; 939, p. 29) Pine Products Co., Alexandria. Equipped with water-stage recorder.

Water level, in feet below measuring point, 1942

Jan. 7	11:15 a.m.	122.25	July 1	1:30 p.m.	139.80
14	1:56 p.m.	123.66	8	5:25 p.m.	140.84
21	8:45 a.m.	124.70	15	6:10 p.m.	141.44
28	2:50 p.m.	125.38	22	10:49 a.m.	142.40
Feb. 4	1:18 p.m.	126.59	29	10:37 a.m.	143.07
11	11:07 a.m.	127.15	Aug. 5	7:37 p.m.	143.76
18	11:35 a.m.	127.78	13	11:07 a.m.	144.44
25	11:30 a.m.	128.33	19	6:15 p.m.	144.96
Mar. 4	10:00 a.m.	127.44	26	5:55 p.m.	145.83
11	5:25 p.m.	126.26	Sept. 2	9:49 p.m.	146.38
18	5:10 p.m.	126.70	9	9:50 a.m.	147.07
25	11:00 a.m.	127.77	16	4:15 p.m.	147.84
Apr. 1	5:40 p.m.	128.19	23	5:43 p.m.	148.17
8	2:55 p.m.	129.05	30	10:45 a.m.	148.10
15	11:20 a.m.	130.08	Oct. 7	4:05 p.m.	147.94
22	11:00 a.m.	131.66	14	6:20 p.m.	148.33
May 1	5:15 p.m.	132.68	21	6:00 p.m.	148.57
6	11:20 a.m.	133.08	28	5:30 p.m.	148.80
13	11:00 a.m.	133.74	Nov. 4	5:15 p.m.	147.82
20	1:00 p.m.	134.38	11	10:20 a.m.	147.38
27	11:06 a.m.	135.10	18	5:30 p.m.	147.77
June 3	9:40 a.m.	136.32	25	5:30 p.m.	148.45
10	11:41 a.m.	137.60	Dec. 3	5:20 p.m.	148.57
17	9:55 a.m.	138.40	8	5:35 p.m.	148.48
24	10:15 a.m.	138.99	31	11:20 a.m.	144.44

43-A (*845, p. 141; 886, p. 246; 909, p. 44; 939, p. 29). Missouri Pacific Railroad. Alexandria. Water level, in feet below measuring point, 1942: Nov. 27, 5:00 p.m., 149.62.

67 (*845, p. 142; 886, p. 246; 909, p. 44; 939, p. 29). Louisiana Ice and Electric Company. Lecompte. Water level, in feet below measuring point, 1942: Oct. 1, 3:39 p.m., 65.97.

78. Measurements discontinued.

89 (845, p. 142; 886, p. 247; 909, p. 44; 939, p. 29). State Colony Farm. SE. corner sec. 39, T. 4 N., R. 2 W. Water level, in feet below measuring point, 1942: June 3, 9:50 a.m., 5.47.

90. Measurements discontinued.

135 (*845, p. 143; 886, p. 247; 909, p. 45; 939, p. 30). Arbuthnot mill site. Sec. 61, T. 5 N., R. 3 W.

Water level, in feet above measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Jan. 15	9:55 a.m.	6.6	Apr. 27	2:35 p.m.	8.5
Feb. 5	4:10 p.m.	6.6	Aug. 2	2:20 p.m.	6.2
Mar. 29	4:00 p.m.	6.9	Nov. 9	2:45 p.m.	6.0

139 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30). H. Dearborn. Quarry Station, sec. 1, T. 5 N., R. 4 W.

Water level, in feet below measuring point, 1942

Jan. 15	9:20 a.m.	14.82	Apr. 27	2:00 p.m.	13.83
Feb. 5	3:40 p.m.	14.78	Aug. 2	1:40 p.m.	14.01
Mar. 29	3:20 p.m.	14.27	Nov. 9	2:15 p.m.	15.06

150 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30). Grady Kelly. Sec. 32, T. 4 N., R. 1 W. Water levels, in feet below measuring point, 1942: Jan. 6, 10:30 a.m., 11.97; Nov. 27, 3:10 p.m., 20.17.

183 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30). O. T. Oden. 8 miles south of Alexandria on Highway 165. Water level, in feet below measuring point, 1942: Oct. 1, 2:00 p.m., 28.72.

184 (*845, p. 144; 886, p. 248; 909, p. 45; 939, p. 30). O. T. Oden. 8 miles south of Alexandria on Highway 165. Water level, in feet below measuring point, 1942: Oct. 1, 2:10 p.m., 27.42.

188. Measurements discontinued.

201. Measurements discontinued.

207 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31). State Hospital for Insane. Pineville. Well deepened to 1,100 feet. Water levels, in feet below measuring point, 1942: Apr. 22, 2:30 p.m., 192.0; Oct. 9, 3:15 p.m., 97.57.

208 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31). State Hospital for Insane. Pineville. Water levels, in feet below measuring point, 1942: Apr. 22, 2:30 p.m., 178.00; Oct. 9, 3:30 p.m., 139.33.

218 (*845, p. 145; 886, p. 249; 909, p. 46; 939, p. 31). Camp Beauregard. About 5 miles north of Pineville, at south border of camp. Recorder removed Nov. 10.

Water level, in feet below measuring point, 1942

Jan. 7	10:05 a.m.	90.41	Mar. 18	12:15 p.m.	93.25
14	2:22 p.m.	90.64	25	4:18 p.m.	92.95
21	11:00 a.m.	91.09	Apr. 1	12:10 p.m.	92.76
28	10:30 a.m.	91.34	8	3:45 p.m.	95.31
Feb. 4	11:05 a.m.	91.60	15	6:52 p.m.	92.44
11	10:27 a.m.	91.95	21	4:10 p.m.	92.56
18	9:53 a.m.	92.04	28	5:50 p.m.	92.83
25	10:58 a.m.	92.25	May 5	4:30 p.m.	93.09
Mar. 4	11:05 a.m.	93.93	12	4:50 p.m.	93.27
11	10:30 a.m.	93.30	19	4:59 p.m.	92.87

218 (*845, p. 145; 886, p. 249; 909, p. 246; 939, p. 31). Camp Beauregard--Continued.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
May 26	5:17 p.m.	92.67	Sept. 2	4:57 p.m.	92.28
June 2	4:20 p.m.	92.40	9	10:20 a.m.	92.23
9	5:10 p.m.	92.02	16	2:30 p.m.	92.02
16	4:00 p.m.	92.32	23	10:10 a.m.	91.44
24	12:00 a.m.	92.48	29	4:30 p.m.	91.15
30	4:30 p.m.	92.32	Oct. 6	5:00 p.m.	90.80
July 7	4:55 p.m.	92.14	15	4:25 p.m.	90.56
14	12:50 p.m.	92.15	20	4:30 p.m.	90.33
21	12:47 p.m.	92.16	27	4:26 p.m.	90.13
28	12:50 p.m.	92.25	Nov. 3	4:30 p.m.	89.96
Aug. 5	11:05 a.m.	92.32	10	5:00 p.m.	89.84
12	2:20 p.m.	92.53	Dec. 9	11:55 a.m.	89.42
19	5:45 p.m.	92.45	22	4:10 p.m.	89.24
26	2:10 p.m.	92.36	29	9:35 a.m.	89.11

344 (*939, p. 31). Camp Livingston. NW.corner sec. 3, T. 5 N., R. 1 E.

Water level, in feet below measuring point, 1942

Jan. 6	2:33 p.m.	235.18	July 14	2:15 p.m.	242.04
13	2:48 p.m.	256.42	21	1:35 p.m.	237.15
20	3:10 p.m.	259.97	28	2:30 p.m.	225.18
27	3:25 p.m.	232.37	Aug. 4	1:50 p.m.	217.82
Feb.12	2:55 p.m.	238.56	11	1:48 p.m.	213.22
19	2:25 p.m.	235.70	18	1:02 p.m.	209.54
24	3:20 p.m.	237.06	25	1:03 p.m.	208.27
Mar.10	1:55 p.m.	219.91	Sept. 1	1:10 p.m.	207.72
16	3:20 p.m.	251.94	8	1:50 p.m.	213.53
25	2:50 p.m.	267.66	15	1:45 p.m.	212.71
31	2:45 p.m.	269.02	21	1:56 p.m.	202.52
Apr.10	1:35 p.m.	270.08	29	1:43 p.m.	200.51
17	1:30 p.m.	259.18	Oct. 6	1:25 p.m.	198.71
21	12:50 p.m.	260.89	13	2:25 p.m.	195.77
28	2:15 p.m.	251.36	20	1:10 p.m.	194.21
May 5	12:55 p.m.	246.41	28	1:39 p.m.	196.29
12	2:45 p.m.	255.52	Nov. 3	1:20 p.m.	195.94
19	1:10 p.m.	254.18	10	1:35 p.m.	194.24
26	2:10 p.m.	264.54	17	1:15 p.m.	193.69
June 2	1:15 p.m.	268.07	25	3:45 p.m.	192.22
9	2:23 p.m.	267.32	Dec. 1	3:07 p.m.	191.88
16	12:55 p.m.	269.01	9	10:47 a.m.	190.22
26	1:55 p.m.	250.86	22	3:35 p.m.	187.32
30	1:12 p.m.	254.00	29	9:50 a.m.	188.01
July 7	2:48 p.m.	248.79			

347 (*939, p. 32. Camp Claiborne. About 200 feet north of South Street, and 75 feet west of I Street.

Water level, in feet below measuring point, 1942

Jan. 2	3:25 p.m.	68.00	Apr. 22	4:05 p.m.	70.65
7	2:15 p.m.	110.97	May 1	3:45 p.m.	70.09
14	11:20 a.m.	71.38	6	1:50 p.m.	72.25
21	1:48 p.m.	70.70	15	1:55 p.m.	68.72
29	9:50 a.m.	89.48	21	1:50 p.m.	69.77
Feb. 4	2:10 p.m.	102.29	27	2:10 p.m.	69.70
11	2:13 p.m.	101.33	June 3	2:13 p.m.	70.07
18	1:40 p.m.	78.02	10	1:40 p.m.	69.02
25	1:40 p.m.	75.00	17	2:30 p.m.	69.35
Mar. 6	9:25 a.m.	75.09	28	1:45 p.m.	69.54
11	3:10 p.m.	101.48	July 1	2:24 p.m.	69.65
18	1:59 p.m.	108.52	15	1:25 p.m.	69.52
24	2:50 p.m.	107.13	23	2:15 p.m.	70.14
Apr. 1	2:15 p.m.	104.56	31	1:50 p.m.	70.08
15	2:10 p.m.	78.26	Aug. 5	3:05 p.m.	69.66

347 (*939, p. 32). Camp Claiborne--Continued.

Water level, in feet below measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Aug. 12	3:05 p.m.	69.66	Oct. 14	3:35 p.m.	66.93
19	9:35 a.m.	69.47	21	11:18 a.m.	67.08
26	10:00 a.m.	69.10	Nov. 4	2:15 p.m.	66.56
Sept. 2	9:45 a.m.	69.10	11	3:15 p.m.	67.53
9	1:45 p.m.	68.86	19	1:45 p.m.	67.41
13	9:30 a.m.	68.49	25	11:30 a.m.	67.11
23	3:05 p.m.	68.82	Dec. 4	11:50 a.m.	68.32
Oct. 1	3:05 p.m.	67.28	9	3:30 p.m.	68.59
7	1:53 p.m.	67.18	31	3:00 p.m.	69.67

368 (*939, p. 32). Camp Claiborne. 50 feet from well 12 (USGS 367).

Water level, in feet below measuring point, 1942

Jan. 7	2:35 p.m.	67.06	July 1	3:04 p.m.	75.58
14	11:35 a.m.	67.97	9	9:54 a.m.	76.15
16	10:00 a.m.	71.75	15	3:55 p.m.	76.24
21	2:50 p.m.	73.02	23	3:00 p.m.	76.54
28	4:10 p.m.	68.05	29	4:20 p.m.	76.62
Feb. 4	2:35 p.m.	72.47	Aug. 5	1:43 p.m.	71.48
11	2:45 p.m.	72.92	12	11:08 a.m.	76.84
18	2:21 p.m.	74.19	19	11:10 a.m.	76.89
25	2:53 p.m.	74.38	26	11:10 a.m.	77.01
Mar. 4	2:45 p.m.	73.05	Sept. 2	10:15 a.m.	77.06
11	3:29 p.m.	72.70	9	2:10 p.m.	77.08
18	3:10 p.m.	68.34	16	11:30 a.m.	77.19
27	11:45 a.m.	72.60	23	2:48 p.m.	77.23
Apr. 1	3:00 p.m.	75.00	30	5:15 p.m.	77.33
8	2:00 p.m.	74.54	Oct. 7	2:15 p.m.	76.93
15	3:45 p.m.	73.02	14	3:20 p.m.	77.37
22	3:35 p.m.	73.59	21	11:05 a.m.	77.53
29	6:15 p.m.	74.14	30	9:05 a.m.	77.60
May 6	2:20 p.m.	73.87	Nov. 4	2:40 p.m.	77.61
13	2:30 p.m.	69.72	11	2:55 p.m.	77.80
21	2:30 p.m.	68.89	19	2.10 p.m.	77.86
27	3:15 p.m.	74.75	25	11:05 a.m.	77.92
June 3	2:30 p.m.	74.65	Dec. 4	10:18 a.m.	78.15
10	2:28 p.m.	74.92	9	2:24 p.m.	78.15
17	2:50 p.m.	75.18	28	3:35 p.m.	78.55
24	3:45 p.m.	75.27	31	2:40 p.m.	78.50

381. Camp Livingston. About 100 feet west and 60 feet north of well 3NW (USGS 355). Diameter 12 inches, depth 127 feet. Measuring point, top of casing, about 236 feet above mean gulf level and 1 foot above land surfac

Water level, in feet below measuring point, 1942

Jan. 6	2:15 p.m.	65.79	May 19	2:45 p.m.	65.60
13	3:20 p.m.	65.63	26	3:00 p.m.	65.50
20	2:50 p.m.	65.79	June 2	2:10 p.m.	65.57
27	3:15 p.m.	65.70	9	2:45 p.m.	65.60
Feb. 3	4:48 p.m.	65.80	16	2:35 p.m.	65.68
10	3:10 p.m.	65.88	24	11:15 a.m.	65.85
17	1:40 p.m.	65.97	30	2:13 p.m.	65.89
24	4:40 p.m.	65.86	July 7	3:05 p.m.	65.90
Mar. 3	1:45 p.m.	65.96	14	2:28 p.m.	65.92
10	1:30 p.m.	66.14	21	2:00 p.m.	65.96
16	3:25 p.m.	66.06	28	2:55 p.m.	66.05
25	2:40 p.m.	65.73	Aug. 4	1:15 p.m.	66.07
31	2:30 p.m.	65.96	11	2:36 p.m.	66.03
Apr. 7	2:00 p.m.	65.77	18	12:35 p.m.	66.11
14	2:15 p.m.	65.80	25	12:39 p.m.	66.12
21	2:50 p.m.	65.78	Sept. 2	4:00 p.m.	66.20
28	3:40 p.m.	65.67	8	3:30 p.m.	66.22
May 5	2:28 p.m.	65.66	15	2:50 p.m.	66.18
12	3:05 p.m.	65.43	22	2:40 p.m.	66.21

381. Camp Livingston--Continued.

Water level, in feet above measuring point, 1942

Date	Hour	Water level	Date	Hour	Water level
Sept.29	2:22 p.m.	66.37	Nov. 17	4:00 p.m.	66.59
Oct. 6	4:30 p.m.	66.39	25	1:45 p.m.	66.43
13	3:41 p.m.	66.38	Dec. 1	2:55 p.m.	66.54
20	2:07 p.m.	66.40	9	10:30 a.m.	66.84
27	3:45 p.m.	66.47	22	2:45 p.m.	66.58
Nov. 3	3:25 p.m.	66.64	29	10:00 a.m.	66.87
10	1:50 p.m.	66.57			

St. Tammany Parish

St-2 (*886, p. 250; 909, p. 47; 939, p. 32). Mayer Israel. NE¼ sec. 7, T. 6 S., R. 11 E., Covington. Pressure, in pounds per square inch, 1942: Feb. 2, 1:15 p.m., 37; Dec. 9, 10:40 a.m., 36.9.

St-4. Measurements discontinued.

St-6 (*886, p. 250; 909, p. 47; 939, p. 32). Poitevent & Favre Lumber Co. SW¼SW¼ sec. 17, T. 7 S., R. 13 E., on south side of Highway 114. Water levels, in feet above gage, 1942: Feb. 2, 2:15 p.m., 5.0; Nov. 5, 2:15 p.m., 5.6.

St-10 (*886, p. 250; 909, p. 47; 939, p. 32). State Fish Hatchery. Sec. 38, T. 8 S., R. 12 E. Lacombe, south well. Pressure, in pounds per square inch, 1942: Feb. 2, 3:30 p.m., 14; Sept. 30, 13.5.

St-12 (*886, p. 250; 909, p. 47; 939, p. 32). Tchefuncte State Park. Sec. 43, T. 8 S., R. 12 E. Golf course. New measuring point, top of 4-inch--2½-inch reducer on top of casing, at land surface. Pressure, in pounds per square inch, 1942: Feb. 2, 21.75; Nov. 6, 21.5.

St-16 (*886, p. 250; 909, p. 47; 939, p. 33). Great Southern Lumber Co. Sec. 20, T. 5 S., R. 13 E., 0.5 mile south and 1.5 miles west of Bush. Pressure, in pounds per square inch, 1942: Nov. 5, 10.9.

St-88. C. R. Howze. Teddy Avenue and 8th Street, Slidell. Drilled domestic well, diameter 2 inches, depth 610 feet. Measuring point, gage on discharge pipe at well, 0.6 foot above land surface. Water level, in feet above gage, 1942: June 17, 11.8.

St-867. J. L. Smith. Mississippi and Hancock Streets, Covington. Drilled domestic well, diameter 3 inches, depth 1,590 feet. Measuring point, gage on 3/4-inch tap on top of 3-inch casing, 4.8 feet above land surface. Pressure in pounds per square inch, 1942: Dec. 24, 45.0.

St-1020. H. D. Howser Estate. NE¼NW¼ sec. 15, T. 7 S., R. 14 E., half a mile east of Highway 58. Abandoned drilled well, diameter 4 inches, depth 265 feet. Measuring point, gage on top of 4-inch casing, 0.8 foot above land surface. Water level, in feet above gage, 1942: Dec. 1, 16.8.

Tangipahoa Parish

Ta-5 (*886, p. 251; 909, p. 47; 939, p. 33). Southern United Ice Co. Amite, at rear of lot behind ice plant. Water levels, in feet above measuring point, 1942: Feb. 3, 5.7; Nov. 5, 0.37.

Ta-7 (*886, p. 251; 909, p. 47; 939, p. 33). Town of Ponchatoula. About 50 feet west of pumping station. Water levels, in feet above gage, 1942: Feb. 3, 10.8; Nov. 4, 9.1.

Ta-8 (*886, p. 251; 909, p. 47; 939, p. 33). Louisiana Cypress Lumber Co. Ponchatoula, about 200 yards west of Highway 122, at railroad spur on road to lumber mill. Water levels, in feet above measuring point, 1942: Feb. 3, 6.5; Nov. 4, 7.4.

Ta-10 (*886, p. 251; 909, p. 48; 939, p. 33). Williams Lumber Co. 1 mile south of Ponchatoula at arch across Highway 122. Water levels, in feet above measuring point, 1942: Feb. 3, 17.8; Nov. 4, 17.8.

Ta-17 (*886, p. 251; 909, p. 48; 939, p. 33). Carl Blumquist. Center NE¼ sec. 6, T. 6 S., R. 8 E., in field corner. Water level, in feet above measuring point, 1942: Feb. 3, 3.8.

Ta-19 (*886, p. 251; 909, p. 48; 939, p. 33). V. Stevens. SE¼NE¼ sec. 26, T. 7 S., R. 8 E., in field. Water level, in feet above gage, 1942: Feb. 3, 19.2; Nov. 4, 17.6.

Ta-21 (*886, p. 251; 909, p. 48; 939, p. 33). Burns Davis. N½ irregular sec. 54, T. 7 S., R. 7 E., at shed. Water level, in feet above measurin point, 1942: Feb. 3, 8; Nov. 4, 7.9.

Ta-23 (*886, p. 251; 909, p. 48; 939, p. 33). Otto Bignor. South line sec. 50, T. 7 S., R. 7 E., in field. Water level, in feet above measuring point, 1942: Feb. 3, 3.5; Nov. 4, 3.8.

Ta-24 (*886, p. 251; 909, p. 48; 939, p. 33). Clyde Starkey. Center sec. 53, T. 7 S., R. 7 E., in field. Water level, in feet above measuring point, 1942: Feb. 3, 6.5; Nov. 4, 5.25.

Ta-36 (*886, p. 251; 909, p. 48; 939, p. 33). Town of Kentwood. About 20 feet north of reservoir at pumping station, 2 blocks east of Highway 51. Water level, in feet above measuring point, 1942: Feb. 3, 23.3. Measurements discontinued.

OKLAHOMA

By E. W. Reed

INTRODUCTION

The observation-well program in Oklahoma, which was begun as early as 1934 in at least one area, was continued in 1942 by the Geological Survey, United States Department of Interior, in cooperation with the Oklahoma Geological Survey and the Oklahoma Agricultural and Mechanical College as part of the investigation of the ground-water resources of the State.

The area in which the first observations were made by the Federal Geological Survey is the Stillwater Creek Basin, where the well program was conducted from June 1934 to July 1940 in cooperation with the Soil Conservation Service, United States Department of Agriculture, and has since been continued in cooperation with Dr. H. J. Harper, head of the Department of Agronomy of the Oklahoma Agricultural and Mechanical College at Stillwater. Dr. M. J. Plice, also of the Department of Agronomy, who made the water-level measurements in 1941, continued this work in 1942. The remainder of the ground-water investigation in the State in 1942 was conducted by the Federal Geological Survey in cooperation with the Oklahoma Geological Survey. It includes the Panhandle program, begun in 1937, the Cleveland County program, begun in 1939 and enlarged during 1942 as part of an investigation of the water resources of the "Norman water sand"; and the North Canadian River Valley program, begun in 1940, to which 58 wells in Canadian County were added during 1942.

Brief descriptions of the topography and geology of the parts of the State covered by the program and their relation to the ground-water resources have been published as follows: Stillwater Creek Basin, in Water-Supply Paper 777; the Panhandle, in Water-Supply Papers 840 and 845; Cleveland County, in Water-Supply Papers 886 and 939; and North Canadian River Valley in Water-Supply Paper 909.

In 1942 progress was made in the investigation of the ground-water resources in several of the areas mentioned. In the Oklahoma Panhandle, which is made up of Beaver, Cimarron, and Texas Counties, the investigation had previously been completed in Texas County only. In 1942 it was completed

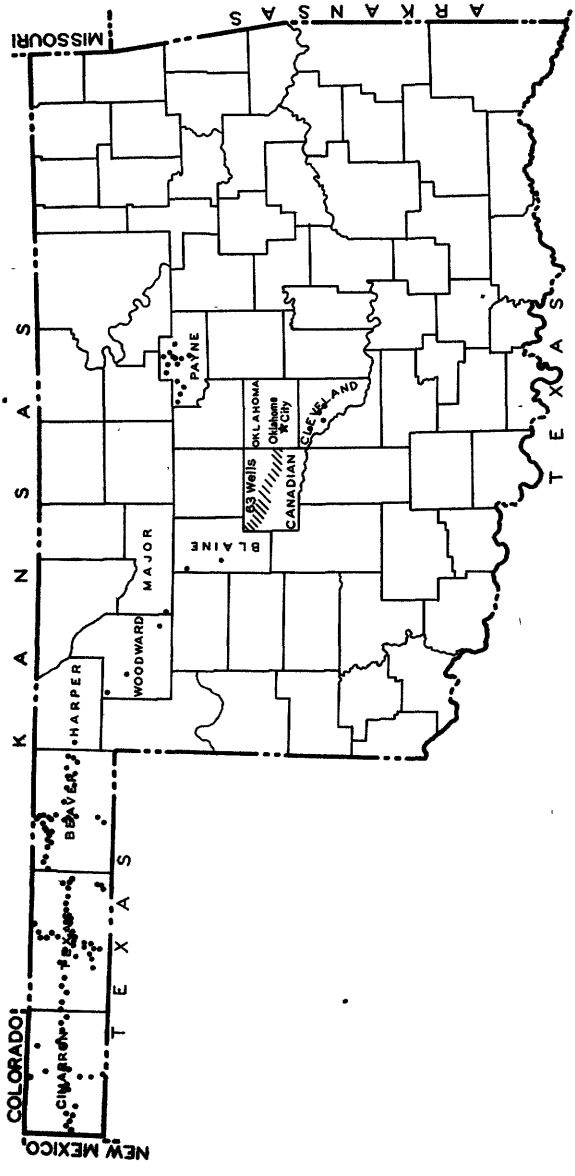

Figure 7.--Map showing location of observation wells in Oklahoma.

in Cimarron County, and the report submitted to the Oklahoma Geological Survey for review and editing. In Beaver County the field work was completed, with the exception of certain geologic phases that can be best handled by S. L. Schoff, now on leave from the Federal Geological Survey for duty in the armed services. This part of the work will be postponed for the duration of the war, so that Lieutenant Schoff may complete it on his return to the Survey. In the North Canadian River Valley the investigation was continued, 58 additional wells in Canadian County having been observed. In Cleveland County, an investigation of the "Norman water sand", referred to in Water-Supply Paper 939 as the "so-called Garber sandstones", was begun near the end of the year. This aquifer is probably the most important source of water in the State at the present time, as large military and naval establishments and war industries, as well as several cities and towns, draw their supplies from it.

During the year 936 measurements of water level were made in 179 wells in 10 counties. The Stillwater Creek Basin and North Canadian River Valley wells were measured monthly. Wells of the Panhandle group were measured twice, in April and October, except Beaver 528, which was measured weekly, and Beaver 573 and 612, which were measured monthly as part of the North Canadian River Valley program. The Canadian County wells were measured monthly during the summer and fall. In Cleveland County, wells 1 and 2 were measured weekly during the winter and spring and monthly during the summer and fall; at the end of the year weekly measurements were started in wells 4 and 5; and on December 15 an automatic water-stage recorder was placed in operation on well 5.

WATER-LEVEL FLUCTUATIONS

The Panhandle

The weighted average of the water levels in the Oklahoma Panhandle (see Water-Supply Papers 909 and 939), in response to the above-normal precipitation, rose to a new high during 1942, continuing the general trend upward which started in April 1941. Previous to this, the average water level had fluctuated through less than 0.17 foot, but in October 1942 the average was 0.95 foot higher than in January 1941, 0.29 foot higher than in October 1941, and 1.00 foot higher than the lowest recorded level.

In Beaver County, the weighted average of the water levels was 0.53 foot higher in October 1942 than in October 1941, even though the average water level of the wells in the alluvium had dropped 2.32 feet in the year indicated. The water levels in wells on the uplands in the northwestern part of the county, where the Ogallala formation is the principal aquifer, continued the upward trend that had been in progress, with only minor interruptions, since the beginning of the record, and the average water level of October 1942 was 0.88 foot higher than that of October 1941. In the southern and eastern parts of the county, where many wells tap water in the redbeds, the average water level was 0.42 foot higher in October 1942 than in October 1941 and 0.24 foot higher than in September 1938, when it had been the highest recorded.

In Cimarron County, the water levels in the observation wells declined slightly during the year from the record-high levels of 1941. The water levels for October 1942 showed an average drop of 0.10 foot from the levels of November 1941, which are the highest recorded since measurements were started, in July 1938. This average decline in water level for the county was due to the decline in average water level of the wells in the alluvium, which, although still relatively high in October 1942, was 1.62 feet lower than in November 1941. The water levels in the wells on the upland flats, which tap water in the Ogallala formation and, in some places, in the Dakota sandstone, averaged 0.07 foot higher in October 1942 than in November 1941. The average for October 1942, however, was 0.06 foot lower than the average for April 1942, which was the highest ever recorded for this group of wells.

In Texas County, the water levels also continued to rise, although, as in previous years, the range of fluctuation was smaller than in the other two counties in the Panhandle. The average water level for Texas County in October 1942 was the highest ever recorded and 0.35 foot higher than the level for November 1941, the previous high. The wells tapping the alluvium showed the greatest fluctuation during the year, the average water level for these wells in April 1942 being the highest ever recorded, 0.35 foot higher than the average in November 1941, the previous high. In October 1942, however, the average dropped 0.65 foot below the April 1942 average. The average of the water levels in wells tapping the Ogallala formation continued to rise during 1942, and for October of that year it was 0.39 foot

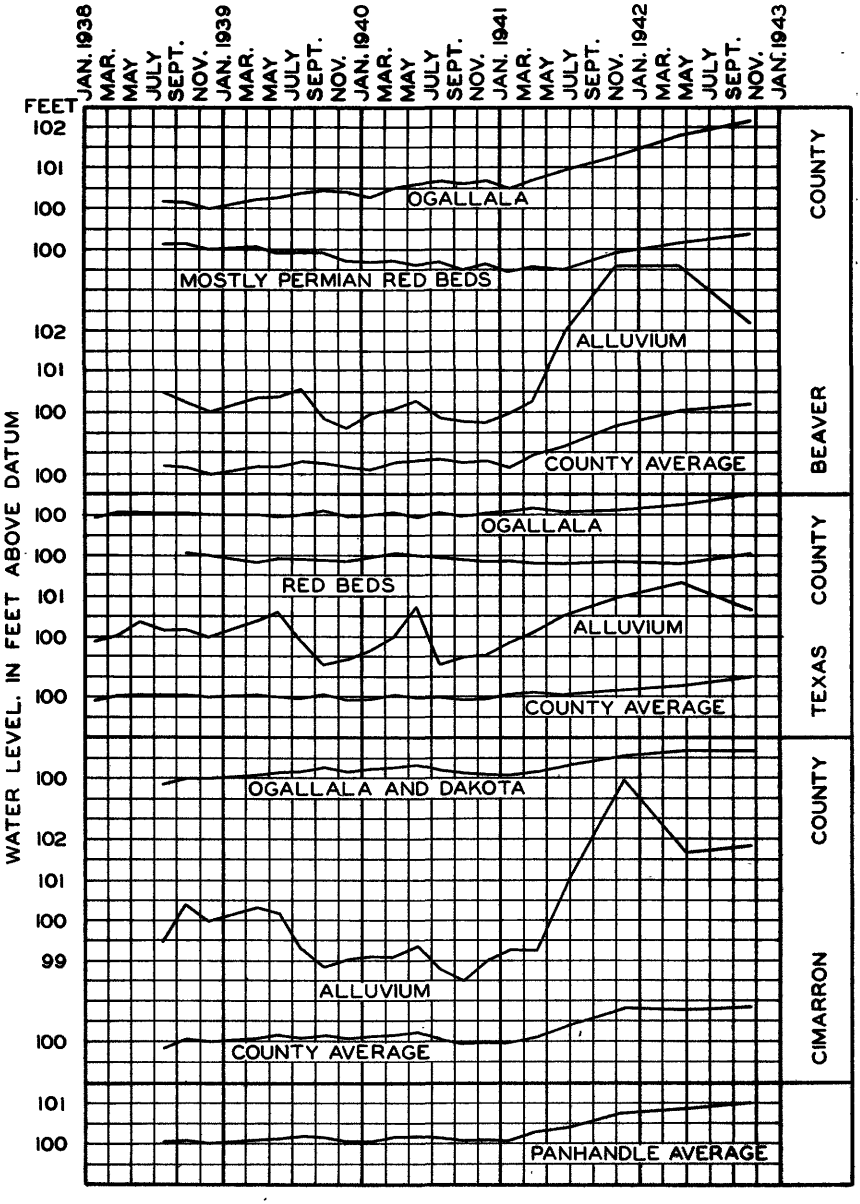

Figure 8.--Hydrographs showing average water levels in wells tapping water in different aquifers in the Panhandle counties, Okla.

higher than the average for November 1941, which had previously been the highest recorded. The water level in the one redbed well that is measured in Texas County also rose considerably. It was 0.17 foot higher in October 1942 than the level recorded in November 1941 and only 0.02 foot lower than the highest recorded level for this well.

The following tables and accompanying figure present average water levels, in feet above datum planes, for groups of wells in each of the three counties in the Oklahoma Panhandle, weighted averages for each county, and averages for the Panhandle as a whole. These tables serve to continue the record of averages given in similar tables in Water-Supply Papers 909 and 939.

Average water levels in groups of wells in the Oklahoma Panhandle, in feet above datum plane, 1942

Date	Beaver County			Texas County			Cimarron County	
	1	2	3	4	5	6	7	8
April	101.74	100.16	103.58	100.23	99.80	101.32	100.69	101.66
October	102.17	100.37	102.14	100.50	100.02	100.67	100.63	101.85

1. Wells in the northwestern part of Beaver County, tapping water in the Ogallala formation.
2. Wells in the southeastern part of Beaver County, tapping water principally in the Permian redbeds.
3. Wells tapping water in alluvium.
4. Wells on the uplands, tapping water in the Ogallala formation.
5. Well 294, tapping water in Triassic or Permian redbeds.
6. Wells tapping water in alluvium.
7. Wells on the uplands, tapping water in the Ogallala formation and, in some places, in the Dakota sandstone.
8. Wells tapping water in alluvium.

Weighted average water levels in wells in Beaver, Cimarron, and Texas Counties, in feet above datum planes, 1942

Date	Beaver[a]	Texas[b]	Cimarron[c]	Panhandle[d]
April	101.54	100.25	100.80	100.86
October	101.71	100.50	100.85	101.02

Stillwater Creek Basin

As shown in figure 9, water levels in the Stillwater Creek Basin were extremely high during the year, owing to the large excess of precipitation--more than 11 inches above normal at Stillwater--and the effect of storage in Lake Blackwell. Well 12, formerly one of the group of wells whose levels

a Weighted average, in which wells in northwestern part of county represent 65 percent of the total area; wells in southeastern part, 25 percent; and wells in alluvium, 10 percent.

b Weighted average, in which upland wells in Ogallala formation represent 93 percent of the total area; wells in alluvium, 5 percent; wells in redbeds (Permian to Jurassic?), 2 percent.

c Weighted average, in which upland wells in Ogallala formation and Dakota sandstone represent 90 percent of the total area and wells in alluvium, 10 percent.

d Arithmetical average of the three weighted county averages.

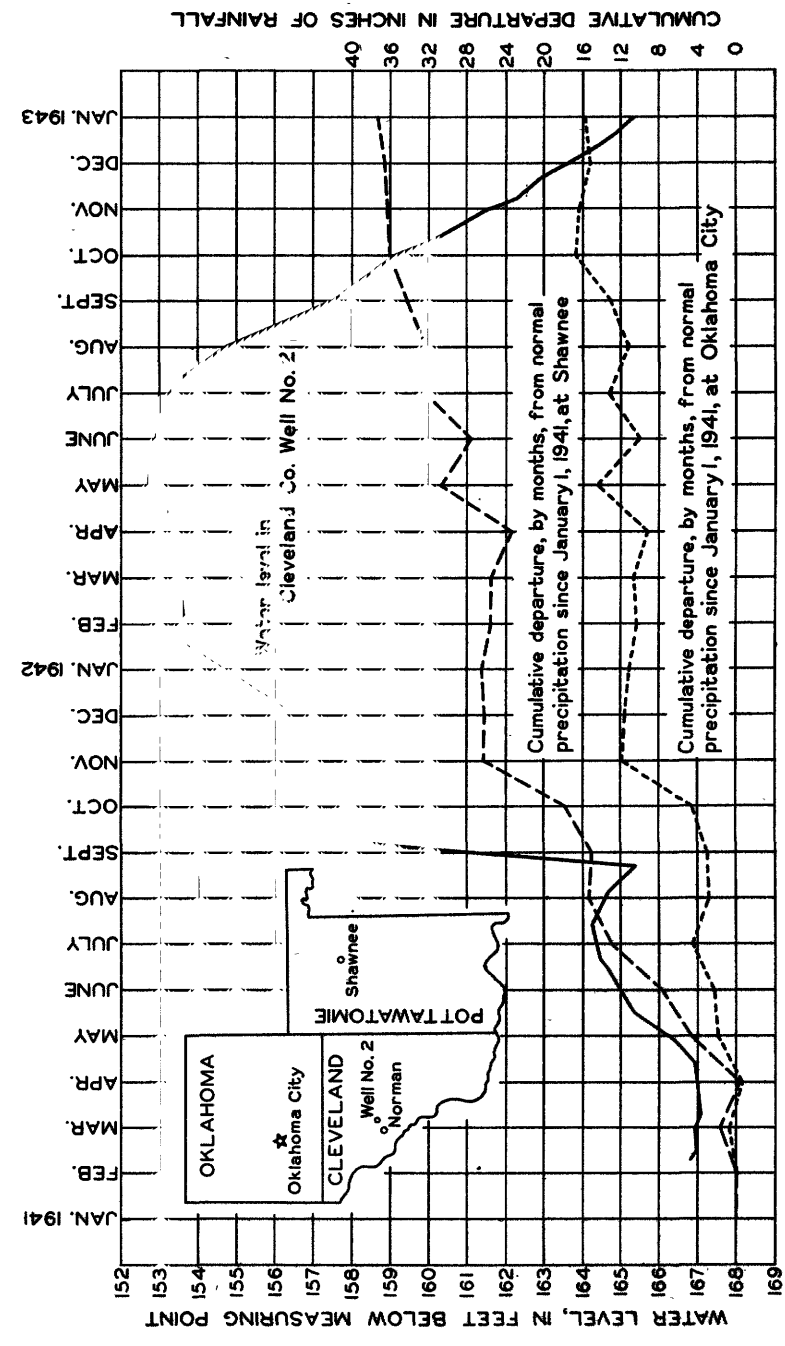

Figure 9.--Hydrograph showing average water levels in wells in the Stillwater Creek Basin and cumulative departure from normal precipitation since January 1, 1931, at Stillwater, Okla.

were used in computing the average water levels for the area, is situated so close to the shore line of Lake Blackwell as to be unduly affected by the lake level and was therefore dropped from the group selected for this purpose. New averages for the group excluding well 12 were computed, and relative changes in water level have been based on the new figures.

The highest average water level for the period of record was attained on the 27th and 29th of April, the wettest month of the year. It was 0.40 foot higher than the previous high, which occurred November 2-3, 1941, and 8.71 feet higher than the lowest water level recorded, which occurred September 26, 1940. On December 28, 1942, the average water level had dropped 1.02 feet below the level on December 31, 1941.

During the period of record, beginning in 1934, the water levels in the Stillwater Creek Basin have responded rather promptly to precipitation, generally showing significant rises after rains. This effect is illustrated by figure 9, in which a hydrograph showing the average of the water levels is compared with the cumulative departure from normal precipitation. The departure is computed beginning with the year 1931, which was about the beginning of a succession of dry years. Figure 9 also shows the beneficial effect of storage in Lake Blackwell, which has been filling up in the last few years. Despite the fact that the cumulative departure curve is still below normal, the water levels during 1942 were higher than during 1935, when precipitation was above normal.

Cleveland County

There are 4 observation wells in Cleveland County. Well 1 is shallow and readily shows large and rapid rises due to local precipitation. The high levels reached in 1941 were maintained during 1942 by ample precipitation During the year the water level varied through a vertical range of 6.05 feet; and, although the highest it reached was 0.54 foot below the highest recorded level, its low for 1942 was 7.38 feet above the lowest recorded level. On December 31, 1942, the water level was 0.99 foot lower than on December 6, 1941.

Well 2 is deep and taps artesian water in the "Norman water sand" which is the principal source of supply for the area. Although the precipitation was below normal during the first three months of 1942, the steady

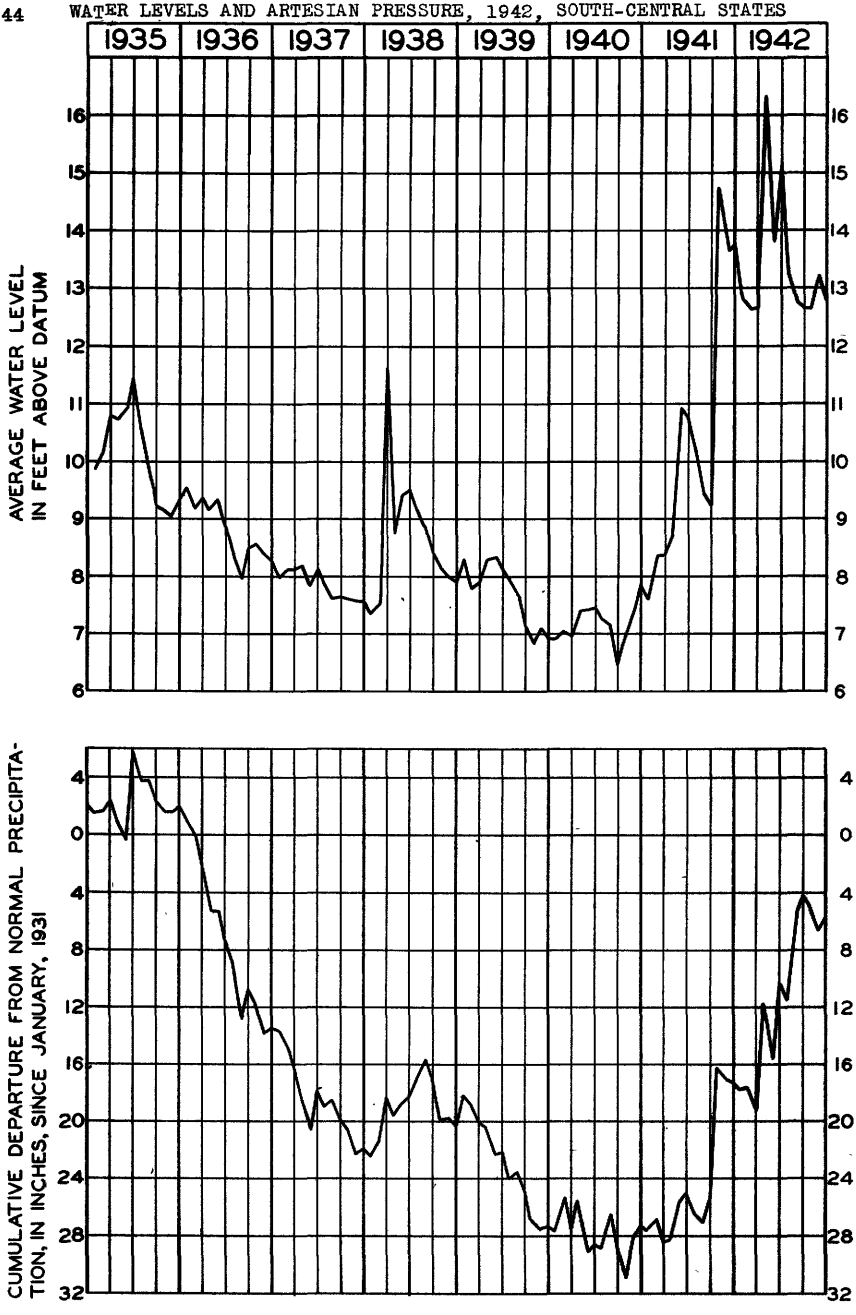

Figure 10.--Hydrographs showing fluctuations in water level in a deep well near Norman, and cumulative departure from normal precipitation since January 1, 1941, at Oklahoma City and Shawnee, Okla.

rise in water level of the preceding year, which was due to heavy precipitation, continued through the first part of the year. On May 16 the highest level recorded since measurements began on February 8, 1941, was reached. This level was 14.12 feet above the record low level and 4.50 feet above the level of December 6, 1941, the highest recorded during that year. During the latter part of May, the water level began to decline and continued to decline slowly through June. But during July the decline became rapid and continued throughout the remainder of the year at a rate of about 2 feet a month, even though the total precipitation for these months was above normal. This sharp decline in water level was due to the heavy pumpage from the "Norman water sand," which increased considerably during April because of the large supply demanded for the construction of two naval bases in the vicinity of Norman.

Cleveland County well 4, located in the city of Norman well field, was measured only four times during the year, in November and December. However, even these few measurements show a steady decline, owing to the heavy pumpage. On December 19, 1942, the water level had declined 5.11 feet since November 20, 1942, and was approximately 15.5 feet lower than the level on March 23, 1940. Unfortunately, the 1940 measurement was made from a different measuring point, which has since been destroyed; therefore, the difference in water level is only approximate, but nevertheless it shows that a considerable decline has occurred.

Cleveland County well 5, also, was measured only during November and December 1942, an automatic water-stage recorder being in operation since December 15. The record is too short to determine whether or not this well, 5 miles east of Norman, is being influenced by the pumpage in the Norman area; but it is affected by nearby pumpage and variations in atmospheric pressure. Although the water level was 3.61 feet lower on December 31, 1942, than on December 6, 1941, it was 2.06 feet higher on December 31, 1942, than on April 13, 1940.

North Canadian River Valley

Heavey and widely scattered precipitation throughout the year caused the water level in the observation wells along the North Canadian River to fluctuate greatly in 1942. Most of the wells are near the river, and consequently their water levels follow closely any change in the river; and,

as the wells were measured at monthly intervals, only general conclusions can be drawn from the records obtained. The well at Beaver, however, was measured weekly throughout the year, and the fluctuations in it are probably typical of wells on the flood plain of the river. The water level was relatively high at the beginning of the year, although it was declining from a peak reached at the end of October 1941. It continued to decline, with minor interruptions, through January, February, and March, reaching the lowest point in its downward trend on April 3. During the following week it rose more than a foot in response to heavy precipitation and then dropped slightly. On April 24 it rose again, this time to the highest level of the year and only 0.05 foot below the highest recorded level, which occurred on July 6, 1941. Thereafter it declined rather steadily, with only intermittent small rises, until on October 16 it reached its low for the year, which was 5.12 feet below its high reached on April 24. The rains that fell during the latter part of October started the water level on an upward trend again, and this continued throughout the remainder of the year. On December 24, 1942, it was 1.79 feet lower than on December 26, 1941, and the total fluctuation throughout the year was 5.12 feet. The other wells in the group had total recorded fluctuations varying from 0.81 foot to 4.95 feet; but, as some of the wells were not measurable at times during the year and as the stage of the river affects most of them considerably, their actual fluctuations in level were probably greater.

Canadian County

The measurements of water level in Canadian County in 1942 were made during the summer and fall, when 63 wells were measured at monthly intervals. All these wells are located in the valley of the North Canadian River, although several of them completely penetrate the alluvium and tap water in the underlying Permian redbeds. From contour maps of the water table, it seems that the water tables of the redbeds and the alluvium are interconnected, at least on the south side of the valley, although the redbeds have a much lower permeability than the porous sands and gravels of the valley fill. The quantity of water flowing from the redbeds into the alluvium is probably small compared to the recharge through the surface of the alluvium and from the river when the river is higher than the water table.

The water levels in this part of Canadian County were relatively high in 1942, although no comparable figures are available for earlier years. As the river is influent in times of flood and effluent in dry periods, the wells closest to the river should have the greatest fluctuations. This holds true for most wells in Canadian County, the exceptions being those subject to unusual conditions, such as local recharge through a sand dune, proximity to a pond, or influx of flood overflow that cannot return directly to the river. The fluctuations in water level in the wells varied from 0.24 foot to 6.37 feet. Generally, the water levels were high during May, rose considerably in June, and then gradually declined through the summer and fall.

PRECIPITATION

The average precipitation in Oklahoma in 1942 was 39.96 inches, which is 7.30 inches above the 51-year average but 7.06 inches less than the average for 1941.[1/] January was the driest month and April the wettest. In April, the State received 4.83 inches more than the average rainfall for that month and set a new "high" record for April.[2/]

Precipitation in the Panhandle ranged from 22.47 inches at Hooker to 29.59 inches at Guymon, and the average for the six stations was 25.30 inches, which is about 6.5 inches above normal.

For 9 stations along the North Canadian River in the stretch from Oklahoma City to Supply, the average precipitation was 32,64 inches, about 3.5 inches above normal. At individual stations, the amount of rainfall varied from 26.38 inches at Woodward to 37.91 inches at Geary.

In Cleveland County, Norman received 39.14 inches of rain, more than 9 inches above normal, and Stillwater, in Payne County, received 45.33 inches, more than 11 inches above normal. Shawnee, in Pottawatomie County, east of the area of outcrop of the "Norman water sand," recorded 45.76 inches of rainfall, about 11 inches above normal.

PUMPAGE IN THE PANHANDLE

It is estimated that about 1,060 acre-feet of water was pumped in the Oklahoma Panhandle during 1942, divided as follows: Beaver County, 285 acre-feet; Cimarron County, 90 acre-feet; and Texas County, 685 acre-feet. This is only 40 acre-feet less than the estimate for 1941, when conditions throughout the year were about the same as in 1942. Comparatively little

1/ Daily Oklahoman (Oklahoma City), Feb. 16, 1943.
2/ From monthly summaries by U. S. Weather Bureau.

irrigating was done during the year, as the precipitation was heavy over the area and soil-moisture conditions were generally good during most of the growing season.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Oklahoma are listed alphabetically by counties and numerically within each county. Complete descriptions are given for only newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in that paper. The water levels in all wells except those in Canadian County were converted to feet below the original measuring point so that the measurements for 1942 would be comparable with those for previous years. The water levels in the wells of Canadian County are given in feet above mean sea level.

Beaver County

62 (*845, p. 391; 886, p. 601; 909, p. 58; 939, p. 46). Ray D. Hall. SE¼NE¼SE¼ sec. 14, T. 1 N., R. 23 E. Water level, in feet below measuring point, 1942: Apr. 22, a/ 162.03.

258 (*845, p. 391; 886, p. 601;*909, p. 59; 939, p. 46). Frank S. Flynn. NW¼SW¼SW¼ sec. 31, T. 2 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 50.25; Oct. 13, 50.30.

401 (*845, p. 391; 886, p. 600;*909, p. 59; 939, p. 47). T. T. Yarnold. NE¼NE¼SE¼ sec. 7, T. 3 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 93.44; Oct. 13, 93.40.

417 (*845, p. 389; 886, p. 597; 909, p. 59; 939, p. 47). Ralph Ridgeway SW¼NE¼ sec. 11, T. 3 N., R. 25 E. Water levels, in feet below measuring point, 1942: Apr. 22, 10.72; Oct. 13, 11.41.

418 (*845, p. 389; 886, p. 596; 909, p. 59; 939, p. 47). Nile J. Mosburg. SE¼SW¼SW¼ sec. 12, T. 3 N., R. 25 E. Water levels, in feet below measuring point, 1942: Apr. 20, 63.49; Oct. 13, 62.87.

432 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47). George H. Button. NW¼NE¼NE¼ sec. 10, T. 3 N., R. 26 E. Water levels, in feet below measuring point, 1942: Apr. 20, 28.47; Oct. 13, 28.05.

433 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47). Federal Land Bank. NE¼NW¼NW¼ sec. 12, T. 3 N., R. 26 E. Water levels, in feet below measuring point, 1942: Apr. 20, 40.70; Oct. 13, 40.54.

434 (*845, p. 388; 886, p. 596; 909, p. 59; 939, p. 47). J. W. Hibbs and others. SW¼NW¼NW¼ sec. 15, T. 3 N., R. 26 E. Measuring point, 1.05 feet below bench mark and 0.09 foot below original measuring point. Water levels, in feet below original measuring point, 1942: Apr. 20, 117.06; Oct. 13, 116.74.

462 (*845, p. 388; 886, p. 595; 909, p. 60; 939, p. 47). C. G. and W. A. Sawin. SW¼SW¼NW¼ sec. 3, T. 3 N., R. 28 E. Measurements discontinued after Apr. 20, 1942; well destroyed. Water level, in feet below measuring point, 1942: Apr. 20, 40.84.

a Last pumped 4 hours before measurement.

464 (*845, p. 388; 886, p. 596; 909, p. 60; 939, p. 47). N. W. Johnson. NE¼NE¼NE¼ sec. 9, T. 3 N., R. 28 E. Water levels, in feet below measuring point, 1942: Apr. 20, 115.04; Oct. 13, 115.67.

518 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47). Pete Sanders Estate. NE¼SE¼SE¼ sec. 36, T. 4 N., R. 23 E. No measurements made in 1942.

523 (*845, p. 389; 886, p. 597; 909, p. 60; 939, p. 47). Frances M. Hancock. SW¼SW¼SW¼ sec. 24, T. 4 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 22.09; Oct. 13, 23.10.

526 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47). Elmer E. Thompson. SW¼SE¼SW¼ sec. 30, T. 4 N., R. 24 E. Measuring point raised 1.56 feet. New measuring point, bottom edge of hole in rod guide casting, 2.1 feet above land surface, 1.81 feet above old bench mark and 1.56 feet above new bench mark. Old bench mark is chiseled cross in northeast corner of well curbing; new bench mark is top of bolt in northeast leg of windmill, 0.25 foot above old bench mark. Water level, in feet below original measuring point, 1942: Oct. 13, 41.14.

527 (*845, p. 391; 886, p. 600; 909, p. 60; 939, p. 47). Mrs. Ellen F. Williams. SW¼NW¼NW¼ sec. 30, T. 4 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 46.96; Oct. 13, 46.48.

528 (*886, p. 600; 909, p. 60; 939, p. 47). Oklahoma Electric & Water Co. NE¼SW¼ sec. 7, T. 4 N., R. 24 E.

Water level, in feet below original measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	14.70	Apr. 3	14.99	July 3	14.24	Oct. 2	17.20
9	14.85	11	13.88	10	14.68	9	17.27
16	14.80	17	14.13	17	14.96	16	17.28
24	14.82	24	12.16	24	15.28	23	16.99
30	14.85	May 1	12.28	Aug. 2	15.64	29	16.86
Feb. 7	14.91	8	12.72	7	15.84	Nov. 6	16.82
13	14.95	15	13.08	14	16.13	13	16.77
19	14.95	22	12.71	21	16.25	20	16.75
27	14.96	29	13.17	28	16.46	27	16.68
Mar. 6	14.88	June 5	13.58	Sept. 4	16.66	Dec. 4	16.67
13	14.85	12	13.22	11	16.70	11	16.61
21	14.93	19	13.58	18	16.95	19	16.53
27	14.98	26	13.95	25	17.06	24	16.47

573 (*845, p. 388; 886, p. 595; 909, p. 61; 939, p. 48). Federal Land Bank at Wichita, Kans. NW¼NW¼NW¼ sec. 34, T. 4 N., R. 28 E.

Water level, in feet below measuring point, 1942

Jan. 31	14.25	Apr. 28	13.24	Oct. 13	11.92	Nov. 28	14.32
Feb. 27	14.39	May 27	13.15	25	11.35	Dec. 30	14.07
Mar. 27	14.02	June 26	13.47				

576 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48). J. C. Peters. SE¼SE¼SW¼ sec. 2, T. 5 N., R. 20 E. Water levels, in feet below measuring point, 1942: Apr. 23, 159.44; Oct. 24, 159.67.

577 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48). George Loepp. NE¼NE¼SE¼ sec. 19, T. 5 N., R. 20 E. Water levels, in feet below measuring point, 1942: Apr. 25, a/140.61; Oct. 24, b/140.33.

591 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48). A. J. Isaac. SE¼SE¼SE¼ sec. 12, T. 5 N., R. 21 E. Water levels, in feet below measuring point, 1942: Apr. 23, 192.52; Oct. 24, 192.63.

593 (*845, p. 390; 886, p. 598; 909, p. 61; 939, p. 48). Ada Allred. SE¼SE¼SE¼ sec. 17, T. 5 N., R. 21 E. Water levels, in feet below measuring point, 1942: Apr. 23, 172.18; Oct. 24, 172.11.

a Water in nearby lake.
b Nearby lake dry.

612 (*939, p. 48). Clarence Lamaster. SW¼SE¼ sec. 26, T. 4 N., R. 28 E. Measuring point, 5.88 feet below bench mark, which is nail in base of tree in fence corner opposite field gate to well.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	9.22	Apr. 28	9.24	Aug. 27	11.19	Oct. 25	11.35
31	9.57	June 26	10.06	Sept.26	11.75	Nov. 28	11.03
Feb. 27	9.78	July 30	10.69	Oct. 13	11.92	Dec. 30	10.96
Mar. 27	9.88						

613 (*845, p. 389; 886, p. 597; 909, p. 61; 939, p. 49). T. J. Trew. SE¼SE¼SE¼ sec. 13, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1942: Apr. 23, 67.31; Oct. 24, 67.12.

614 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49). Mrs. B. W. Lewis. SW¼SE¼SE¼ sec. 14, T. 5 N., R. 22 E. Measuring point raised 0.04 foot, now 1.47 feet below bench mark, which is head of bolt in east side of southwest windmill post, and 2.5 feet above land surface. Water levels, in feet below original measuring point, 1942: Apr. 23, 90.94; Oct. 24, 90.79.

616 (*845, p. 389; 886, p. 598; 909, p. 62; 939, p. 49). Walter C. Fincher. SE¼SE¼SE¼ sec. 16, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1942: Apr. 23, 158.40; Oct. 24, 158.49.

617 (*845, p. 390; 886, p. 598; 909, p. 62; 939, p. 49). Minnie B. Dorman and others. SW¼NE¼NE¼ sec. 20, T. 5 N., R. 22 E. Water levels, in feet below measuring point, 1942: Apr. 23, 169.07; Oct. 24, 169.25.

619 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49). Bank of Idana, Kans. SE¼SE¼SE¼ sec. 23, T. 5 N., R. 22 E. Measuring point, 0.81 foot lower than bench mark, which is nail in north side of electric-line pole directly south of well, and 4 feet above land surface. (Original bench mark destroyed.) Water levels, in feet below measuring point, 1942: Apr. 23, 79.80; Oct. 24, 79.15.

631 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49). George W. Dubois. SE¼SE¼SW¼ sec. 4, T. 5 N., R. 23 E. Water levels, in feet below measuring point, 1942: Apr. 23, 111.93; Oct. 24, 111.77.

635 (*845, p. 391; 886, p. 599; 909, p. 62; 939, p. 49). A. E. Shillingburg. NW¼NE¼NW¼ sec. 25, T. 5 N., R. 23 E. Water levels, in feet below measuring point, 1942: Apr. 22, 61.19; Oct. 24, 60.83.

636 (*845, p. 389; 886, p. 597; 909, p. 62; 939, p. 49). Central Life Assurance Society. NE¼NE¼NE¼ sec. 18, T. 5 N., R. 23 E. Measuring point lowered 0.48 foot, now 0.20 foot below bench mark. Water levels, in feet below original measuring point, 1942: Apr. 23, 111.31; Oct. 13, 111.43.

647 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49). Gilbert Hodges. SW¼SW¼SW¼ sec. 8, T. 5 N., R. 24 E. Measuring point raised 0.04 foot, now 1.13 feet above bench mark. Water levels, in feet below original measuring point, 1942: Apr. 22, 52.12; Oct. 13, 51.71.

648 (*845, p. 390; 886, p. 599; 909, p. 62; 939, p. 49). John Angleton SW¼SW¼SW¼ sec. 19, T. 5 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 3.60; Oct. 13, 5.54.

649 (*845, p. 391; 886, p. 599; 909, p. 62; 939, p. 49). Arthur Williams. NW¼SW¼SW¼ sec. 30, T. 5 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 5.95; Oct. 13, 8.59.

767 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49). Robert F. LeCrone. SE¼NE¼NE¼ sec. 24, T. 6 N., R. 23 E. Measuring point, 0.55 foot above bench mark, which is nail in fence post 31.5 feet southwest of well. Water levels, in feet below measuring point, 1942: Apr. 22, 70.24; Oct. 13, 68.93.

777 (*845, p. 390; 886, p. 599; 909, p. 63; 939, p. 49). J. H. Neese. NW¼SW¼SE¼ sec. 20, T. 6 N., R. 24 E. Water levels, in feet below measuring point, 1942: Apr. 22, 25.93; Oct. 13, 23.39.

Blaine County

1 (*909, p. 63; 939, p. 50). Oklahoma City Water Department. NE¼ sec. 27, T. 16 N., R. 12 W.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	5.77	Mar. 27	6.06	July 29	8.06	Oct. 25	6.32
31	6.03	Apr. 29	4.50	Aug. 27	7.77	Nov. 27	7.00
Feb. 26	6.11	May 27	6.47	Sept.25	7.09	Dec. 30	6.43
27	6.11	June 26	6.61	26	6.66		

2 (*909, p. 63; 939, p. 50). Oklahoma City Water Department. Near NE. corner sec. 9, T. 18 N., R. 13 W.

Water level, in feet below measuring point, 1942

Jan. 2	6.20	Apr. 29	5.15	July 29	8.37	Oct. 25	5.85
31	5.96	May 27	6.84	Aug. 27	8.00	Nov. 27	7.14
Feb. 26	6.41	June 26	7.12	Sept.26	4.96	Dec. 30	6.61
Mar. 27	6.50						

Canadian County

1 (*909, p. 63; 939, p. 50). Oklahoma City Water Department. SW¼SW¼ sec. 4, T. 12 N., R. 5 W.

Water level, in feet below measuring point, 1942

Jan. 1	3.62	Mar. 26	5.18	July 28	6.02	Oct. 2	4.63
31	4.45	Apr. 29	1.53	Aug. 26	5.37	26	3.98
Feb. 25	4.78	May 28	4.86	28	5.15	Nov. 28	5.25
26	4.80	June 27	4.71	Sept.25	4.48	Dec. 31	4.86

2 (*909, p. 64; 939, p. 50). Oklahoma City Water Department. NW¼ sec. 33, T. 13 N., R. 7 W.

Water level, in feet below measuring point, 1942

Jan. 2	8.70	Mar. 27	9.88	July 29	9.63	Oct. 26	8.98
31	9.15	Apr. 29	6.85	Aug. 27	9.16	Nov. 27	10.17
Feb. 25	9.85	May 28	8.85	Sept.25	10.10	Dec. 31	9.29
26	9.97	June 26	8.91	26	9.77		

5 (*939, p. 51). Owner unknown. NE¼NE¼ sec. 12, T. 13 N., R. 10 W.

Water level, in feet below measuring point, 1942

Jan. 2	22.51	Apr. 29	21.92	Aug. 27	21.53	Oct. 2	21.32
31	22.45	May 27	21.61	28	21.55	25	21.31
Feb.26	22.42	June 26	21.56	Sept.25	21.40	27	21.23
27	22.57	July 29	21.50	26	21.44	Dec. 31	21.35
Mar.27	22.58						

10. Owner unknown. SE¼SW¼ sec. 16, T. 13 N., R. 9 W., on first terrace in North Canadian River Valley. Abandoned dug well, diameter 3 feet, depth 37 feet. Measuring point, on south side, at top, of 5-inch hole in concrete slab cover, 1.3 feet above land surface and 1,428.96 feet above mean sea level. Bench mark, nail in north base of west gatepost south of well, 1,428.66 feet above mean sea level.

Water level, in feet above mean sea level, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 10, 1941	1,410.38	July 28, 1942	1,413.58	Oct. 2, 1942	1,413.51
May 29, 1942	1,414.09	Aug. 28	1,413.71	27	1,413.22
June 23	1,413.88				

13. Owner unknown. NW¼SE¼ sec. 14, T. 13 N., R. 9 W., on first terrace. Abandoned drilled well, diameter 6 inches, depth 51 feet. Measuring point, on south side of casing, at top, 0.4 foot above land surface and 1,377.58 feet above mean sea level. Bench mark, nail in southeast base of power pole, on northwest corner of road intersection, about 200 feet north of well.

Water level, in feet above mean sea level, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 11, 1941	1,369.56	July 28, 1942	1,371.32	Oct. 2, 1942	1,371.72
May 29, 1942	1,372.95	Aug. 28	1,371.54	27	1,371.33
June 23	1,373.22				

82. Ryba Jocob. SE¼SE¼NE¼ sec. 3, T. 12 N., R. 6 W., on second terrace. Abandoned drilled well, diameter 6 inches, depth 33.5 feet. Measuring point, north edge of casing, 1.5 feet above land surface and 1,297.92 feet above mean sea level. Bench mark, nail in northeast side of 16-inch tree, about 3 feet south of entrance to Jocob farm, 1,296.28 feet above mean sea level.

Water level, in feet above mean sea level, 1941-42

Nov. 5, 1941	1,271.57	July 27, 1942	1,273.97	Oct. 2, 1942	1,273.96
May 28, 1942	1,273.29	Aug. 28	1,273.92	26	1,273.95

85. W. L. Towe. NW¼SW¼SW¼ sec. 6, T. 12 N., R. 5 W., on first terrace. Abandoned drilled well, diameter 6½ inches, depth 66 feet. Measuring point, east edge of casing, 1.4 feet above land surface and 1,273.98 feet above mean sea level. Bench mark, chiseled cross in northwest corner of north concrete head wall of culvert, on east side of road, 100 feet south of well, 1,273.85 feet above mean sea level.

Water level, in feet above mean sea level, 1941-42

Nov. 6, 1941	1,254.97	July 27, 1942	1,257.36	Oct. 26	1,257.45
May 28, 1942	1,256.87	Aug. 28	1,257.13		

151. Canadian County. NW. corner SW¼ sec. 20, T. 14 N., R. 10 W., on first terrace. Abandoned drilled well, diameter 4 inches, depth 84.6 feet. Measuring point, west edge of coupling, 1.0 foot above land surface and 1,416.31 feet above mean sea level. Bench mark, nail in east side of base of post at east end of half-mile fence, 75 feet north of well, on opposite side of road, 1,413.59 feet above mean sea level.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13	1,404.84	June 23	1,407.64	Aug. 28	1,406.39	Oct. 27	1,407.05
May 29	1,406.73	July 28	1,406.96	Oct. 2	1,407.36		

152. Owner unknown. NW¼NW¼NE¼ sec. 5, T. 13 N., R. 10 W., on first terrace. Abandoned drilled well, diameter 6 inches, depth 26.1 feet. Measuring point, west edge of casing, 2.5 feet above land surface and 1,473.59 feet above mean sea level. Bench mark, U. S. Coast & Geodetic Survey and State Survey standard disk in concrete post, 640 feet east and 24 feet south of N¼ corner sec. 5, T. 13 N., R. 10 W., 1,470.79 feet above mean sea level.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 29	1,452.13	July 28	1,452.41	Oct. 2	1,452.61
June 23	1,452.21	Aug. 28	1,452.49	27	1,452.68

RFC3. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 1, T. 13 N., R. 9 W., on flood plain, about 200 feet south of channel. Replaces former Canadian County well 3, Oklahoma City Water Department test well (*909, p. 64; 939, p. 50), destroyed by flood. Driven test well, diameter 3/4 inch, depth 12.7 feet. Measuring point, top of casing, 0.9 foot above

RFC3. Geological Survey, U. S. Dept. of Interior--Continued

Water level, in feet below original measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26	6.09	July 29	6.94	Sept.26	5.92	Oct. 26	5.77
Apr. 29	2.88	Aug. 27	6.70	Oct. 2	6.19	Nov. 27	6.42
May 27	5.54	28	6.70	25	5.77	Dec. 31	5.95
June 26	5.44	Sept.25	6.21				

RFC4. Geological Survey, U. S. Dept. of Interior. NE. corner sec. 17, T. 14 N., R. 10 W., on flood plain, about 400 feet west of channel. Replaces Canadian County well 4, Oklahoma City Water Department test well (*909, p. 64; 939, p. 51). Driven test well, diameter 3/4 inch, depth 13.6 feet. Measuring point, top of casing, 0.5 foot above land surface, 1,413.36 feet above mean sea level, and 0.57 foot above measuring point of old Canadian County well 4. Bench mark, hole in top of south end of east concrete pier of bridge, 1,420.29 feet above mean sea level.

Water level, in feet below original measuring point, 1942

Mar. 26	6.02	July 29	7.03	Sept. 25	6.51	Oct. 25	5.47
Apr. 29	2.08	Aug. 27	6.95	26	6.37	27	5.44
May 27	5.76	28	6.83	Oct. 2	6.02	Nov. 27	5.96
June 26	5.52						

G1. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 29, T. 13 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 25.4 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,328.56 feet above mean sea level. Bench mark, nail in east base of power pole in northeast corner of intersection, 15 feet south of well and 1,329.23 feet above mean sea level.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 28	1,309.53	July 27	1,309.69	Oct. 2	1,309.83
June 24	1,309.60	Aug. 28	1,309.79	26	1,309.86

G2. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 35, T. 13 N., R. 7 W., on flood plain. Driven test well, diameter 3/4 inch, depth 13.5 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,302.96 feet above mean sea level. Bench mark, copper nail and washer, in root of cottonwood tree, 185 feet east of well and 1,306.98 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,300.70	July 27	1,300.29	Oct. 2	1,300.12
June 24	1,300.95	Aug. 28	1,300.06	26	1,300.12

G3. Geological Survey, U. S. Dept. of Interior. SE¼SE¼SE¼ sec. 34, T. 13 N., R. 7 W., on flood plain. Driven test well, diameter 3/4 inch, depth 13.6 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,302.89 feet above mean sea level. Bench mark, U. S. Engineer Dept. standard brass disk, 22 feet east of well and 1,302.98 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,297.95	July 27	1,297.30	Oct. 2	1,295.79
June 24	1,298.44	Aug. 28	1,296.17	26	1,295.86

G4. Geological Survey, U. S. Dept. of Interior. NE. corner sec. 8, T. 13 N., R. 9 W., on flood plain. Driven test well, diameter 3/4 inch, depth 21.3 feet. Measuring point, top of casing, 2.1 feet above land surface and 1,387.10 feet above mean sea level. Bench mark, nail in base of telephone pole, 150 feet south of well, on opposite side of road, 1,387.05 feet above mean sea level.

G4. Geological Survey, U. S. Dept. of Interior--Continued

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 29	1,379.87	July 28	1,378.60	Oct. 2	1,375.00
June 23	1,380.32	Aug. 28	1,376.50	27	1,373.95

G5. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 5, T. 12 N., R. 6 W., on flood plain. Driven test well, diameter 3/4 inch, depth 18.5 feet. Measuring point, top of casing, 1.05 feet above land surface and 1,287.35 feet above mean sea level. Bench mark, U. S. Geol. Survey standard tablet stamped "TT 19 H" in concrete post, 97 feet north and 27 feet east of SW. corner sec. 32, T. 13 N., R. 6 W., 1,291.05 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,283.60	July 27	1,283.18	Oct. 2	1,283.08
June 24	1,283.99	Aug. 28	1,282.96	26	1,283.18

G6. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 12 N., R. 5 W., on first terrace. Driven test well, diameter 3/4 inch, depth 13.8 feet. Measuring point, top of casing, 0.2 foot above land surface and 1,265.68 feet above mean sea level. Bench mark, nail in corner fence post, about 15 feet east of well and 1,267.08 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,257.13	July 27	1,256.39	Oct. 2	1,256.32
June 22	1,256.30	Aug. 28	1,255.89	26	1,256.56

G7. Geological Survey, U. S. Dept. of Interior. NW. corner SW¼ sec. 21, T. 13 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 20.5 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,318.54 feet above mean sea level. Bench mark, chiseled cross in southeast corner of east head wall of concrete box culvert about 50 feet west of well, 1,321.64 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,303.57	July 27	1,303.85	Oct. 2	1,304.06
June 22	1,302.81	Aug. 28	1,304.00	27	1,304.09

G8. Geological Survey, U. S. Dept. of Interior. SW¼SE¼SW¼ sec. 33, T. 13 N., R. 7 W. Driven test well, diameter 3/4 inch, depth 19.4 feet. Measuring point, top of casing, 2.2 feet above land surface and 1,316.83 feet above mean sea level. Bench mark, nail in east base of power pole opposite well, 1,315.41 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,301.91	July 27	1,302.13	Oct. 2	1,302.15
June 22	1,301.98	Aug. 28	1,302.15	27	1,302.07

G9. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 3, T. 12 N., R. 6 W., on intermediate terrace. Driven test well, diameter 3/4 inch, depth 14.5 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,281.40 feet above mean sea level. Bench mark, nail in east base of power pole in diagonally opposite corner of road intersection from well, 1,281.57 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,272.54	July 27	1,271.62	Oct. 2	1,272.05
June 22	1,272.76	Aug. 28	1,272.19	26	1,272.05

G10. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 15, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 20.9 feet. Original well pulled out by grader between June and July measurements; replaced by present well which is within 10 feet of original. Measuring point, top of casing, 0.4 foot above land surface and 1,410.90 feet above mean sea level. Bench mark, nail in west base of corner fence post 1 foot east of well, 1,411.34 feet above mean sea level.

G10. Geological Survey, U. S. Dept. of Interior--Continued

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 29	1,402.83	July 28	1,402.50	Oct. 2	1,402.61
June 23	1,403.64	Aug. 28	1,402.60	27	1,402.55

G11. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 8, T. 14 N., R. 10 W., on flood plain. Driven test well, diameter 3/4 inch, depth 12.4 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,413.50 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,410.45	July 28	1,409.80	Oct. 2	1,410.86
June 23	1,411.64	Aug. 28	1,410.58	27	1,410.74

G12. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 17, T. 14 N., R. 10 W., on flood plain. Driven test well, diameter 3/4 inch, depth 13.4 feet. Measuring point, top of casing, 0.8 foot above land surface and 1,411.40 feet above mean sea level. Bench mark, rail spike in west base of corner fence post next to well, 1,410.47 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,407.46	July 28	1,406.85	Oct. 2	1,408.88
June 23	1,408.84	Aug. 28	1,408.48	27	1,407.94

G13. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 14, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 14.5 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,401.61 feet above mean sea level. Bench mark, notch cut in east end of north corrugated iron culvert, at road intersection about 50 feet south of well, 1,401.07 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,397.21	July 28	1,395.96	Oct. 2	1,396.59
June 23	1,398.09	Aug. 28	1,396.51	27	1,396.49

G14. Geological Survey, U. S. Dept. of Interior. 500 feet east of NW. corner sec. 25, T. 14 N., R. 10 W., on sand dune. Driven test well, diameter 3/4 inch, depth 24.8 feet. Measuring point, top of casing, 1.8 feet above land surface and 1,407.58 feet above mean sea level. Bench mark, 60-penny spike in corner fence post, 485 feet west of well and 1,414.48 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,394.19	July 28	1,393.18	Oct. 2	1,392.05
June 23	1,394.32	Aug. 28	1,392.51	27	1,392.03

G15. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 19, T. 14 N., R. 9 W., on first terrace. Driven test well, diameter 3/4 inch, depth 21.0 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,392.70 feet above mean sea level. Bench mark, nail in west base of corner fence post, about 30 feet east of well, 1,394.80 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,389.57	July 28	1,389.33	Oct. 27	1,389.97
June 23	1,390.89	Oct. 2	1,390.19		

G16. Geological Survey, U. S. Dept. of Interior. SE. corner SW¼SE¼ sec. 28, T. 14 N., R. 9 W., on first terrace. Driven test well, diameter 3/4 inch, depth 20.2 feet. Measuring point, top of casing, 1.2 feet above land surface and 1,383.01 feet above mean sea level. Bench mark, valve stem driven into bottom hole of steel fence post, 2.5 feet north of well and 1,382.73 feet above mean sea level.

G16. Geological Survey, U. S. Dept. of Interior--Continued.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 29	1,369.78	July 28	1,370.58	Oct. 2	1,367.98
June 23	1,371.71	Aug. 28	1,368.77	27	1,367.87

G17. Geological Survey, U. S. Dept. of Interior. SW¼SW¼SW¼ sec. 33, T. 14 N., R. 9 W., on sand dune. Driven test well, diameter 3/4 inch, depth 13.8 feet. Measuring point, top of casing, 0.8 foot above land surface and 1,385.80 feet above mean sea level. Bench mark, nail in west base of south gatepost, 10 feet north of well, 1,385.22 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,377.30	July 28	1,376.45	Oct. 2	1,375.35
June 23	1,377.49	Aug. 28	1,375.87	27	1,375.24

G18. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 11, T. 13 N., R. 9 W., on first terrace. Driven test well, diameter 3/4 inch, depth 33.0 feet. Measuring point, top of casing, 0.1 foot above land surface and 1,378.66 feet above mean sea level. Bench mark, nail in south base of power pole in yard northwest of well, across road intersection, 1,379.41 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,362.44	July 28	1,361.56	Oct. 2	1,360.58
June 23	1,362.66	Aug. 28	1,361.00	26	1,360.58

G19. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 27, T. 13 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 28.2 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,320.84 feet above mean sea level. Bench mark, copper nail and washer, in root on north side of 36-inch elm tree, 70 feet east and 30 feet south of SW. corner sec. 27, 1,320.24 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,303.70	July 27	1,302.70	Oct. 2	1,302.07
June 24	1,303.39	Aug. 28	1,302.15	26	1,302.22

G20. Geological Survey, U. S. Dept. of Interior. NW. corner SW¼ sec. 12, T. 12 N., R. 6 W., on first terrace. Driven test well, diameter 3/4 inch, depth 24.2 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,275.20 feet above mean sea level. Bench mark, nail in west base of telephone pole, on east side road, 200 feet south of well, 1,275.77 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,266.42	July 27	1,265.39	Oct. 2	1,264.97
June 22	1,266.51	Aug. 28	1,265.13	26	1,265.10

G21. Geological Survey, U. S. Dept. of Interior. NW. corner SW¼SW¼ sec. 11, T. 12 N., R. 6 W., on sand dune. Driven test well, diameter 3/4 inch, depth 17.3 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,283.18 feet above mean sea level. Bench mark, nail in west base of fence post opposite house about 300 feet north of well, 1,283.41 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,269.06	July 27	1,269.32	Oct. 2	1,268.67
June 22	1,269.25	Aug. 28	1,268.98	26	1,268.58

G22. Geological Survey, U. S. Dept. of Interior. SW¼SW¼SE¼ sec. 9, T. 12 N., R. 6 W., on flood plain. Driven test well, diameter 3/4 inch, depth 12.3 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,277.72 feet above mean sea level. Bench mark, nail in west base of power pole near well, 1,277.75 feet above mean sea level.

G22. Geological Survey, U. S. Dept. of Interior--Continued

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 28	1,273.98	July 27	1,272.64	Oct. 2	1,272.98
June 24	1,273.87	Aug. 28	1,272.57	26	1,273.18

G23. Geological Survey, U. S. Dept. of Interior. NE¼NW¼NE¼ sec. 7, T. 12 N., R. 6 W., on flood plain. Driven test well, diameter 3/4 inch, depth 12.9 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,288.92 feet above mean sea level. Bench mark, copper nail and washer, in root on west side of elm tree, 0.1 mile south of NW corner sec. 7, 350 feet west and 120 feet north of farmhouse, 1,286.65 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,281.46	July 27	1,279.65	Oct. 2	1,279.75
June 24	1,280.98	Aug. 28	1,279.54	26	1,280.10

G24. Geological Survey, U. S. Dept. of Interior. SW¼SW¼SW¼ sec. 5, T. 12 N., R. 6 W., on flood plain. Driven test well, diameter 3/4 inch, depth and 1,285.68 feet above mean sea level. Bench mark, copper nail and washer in west side of 12-inch cedar fence post, near base, about 0.1 mile north of SW corner sec. 5, 35 feet east and 45 feet north of T-road, 1,287.87 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,280.88	July 27	1,280.63	Oct. 2	1,279.27
June 24	1,280.74	Aug. 28	1,279.18	26	1,279.52

G25. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 15, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 20.0 feet. Measuring point, top of casing, 0.8 foot above land surface and 1,409.10 feet above mean sea level. Bench mark, U. S. Geol. Survey standard tablet stamped "TT K9 1938" in concrete post, NW corner sec. 22, T. 14 N., R. 10 W., 1,408.085 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,400.78	July 28	1,401.25	Oct. 2	1,400.42
June 23	1,401.51	Aug. 28	1,403.81	27	1,400.35

G26. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 13, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 22.4 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,401.02 feet above mean sea level. Bench mark, U. S. Geol. Survey standard tablet stamped "TT E4 1938" in concrete post, in NW. corner sec. 24, T. 14 N., R. 10 W., 1,400.58 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,396.72	July 28	1,396.38	Oct. 2	1,396.04
June 23	1,398.19	Aug. 28	1,396.26	27	1,395.81

G27. Geological Survey, U. S. Dept. of Interior. SW. corner NW¼ sec. 36, T. 14 N., R. 10 W., on flood plain. Driven test well, diameter 3/4 inch, depth 11.1 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,393.44 feet above mean sea level. Bench mark, nail in fence post nearest well, 1,393.22 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 29	1,386.31	July 28	1,388.14	Oct. 2	1,387.65
June 23	1,390.62	Aug. 28	1,387.62	27	1,387.44

G28. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 23, T. 13 N., R. 8 W., on first terrace. Driven test well, diameter 3/4 inch, depth 24.9 feet. Measuring point, top of casing, level with land surface and 1,335.90 feet above mean sea level. Bench mark, nail in east base of power pole 81, in southwest corner of road intersection, about 50 feet southeast of well and 1,336.28 feet above mean sea level.

G28. Geological Survey, U. S. Dept. of Interior--Continued

Water level, in feet above mean sea level, 1942					
Date	Water level	Date	Water level	Date	Water level
May 28	1,319.42	July 27	1,319.67	Oct. 2	1,319.62
June 24	1,319.52	Aug. 28	1,319.47	26	1,319.35

G29. Geological Survey, U. S. Dept. of Interior. SW. corner SE¼ sec. 10, T. 13 N., R. 8 W., on flood plain. Driven test well, diameter 3/4 inch, depth 11.9 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,339.89 feet above mean sea level. Bench mark, bolt in corner fence post, 2 feet north of well, 2.6 feet above land surface, and 1,341.82 feet above mean sea level.

Water level, in feet above mean sea level, 1942					
May 28	1,334.98	July 27	1,334.00	Oct. 2	1,334.23
June 24	1,336.49	Aug. 28	1,334.77	26	1,333.98

G30. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 36, T. 14 N., R. 9 W., on flood plain. Driven test well, diameter 3/4 inch, depth 9.6 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,364.29 feet above mean sea level. Bench mark. U. S. Coast & Geodetic Survey and State Survey standard disk stamped "14-A-14 TT 1934" in concrete post, 64 feet east and 439 feet north of SW. corner sec. 36, 1,375.15 feet above mean sea level.

Water level, in feet above mean sea level, 1942					
May 29	1,358.10	July 28	1,356.42	Oct. 2	1,357.64
June 23	1,358.50	Aug. 28	1,356.80	26	1,357.56

G31. Geological Survey, U. S. Dept. of Interior. NE¼SE¼SE¼ sec. 34, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 16.6 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,426.31 feet above mean sea level. Bench mark, 60-penny spike in south base of corner fence post, in SE. corner sec. 34, 1,435.15 feet above mean sea level.

Water level, in feet above mean sea level, 1942					
May 29	1,412.87	July 28	1,411.95	Oct. 2	1,411.41
June 24	1,412.85	Aug. 28	1,411.36	27	1,411.17

G32. Geological Survey, U. S. Dept. of Interior. NE. corner NW¼NW¼ sec. 22, T. 13 N., R. 8 W., on flood plain. Driven test well, diameter 3/4 inch, depth 8.1 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,334.71 feet above mean sea level. Bench mark, nail in north base of cedar corner fence post, 2 feet south of well and 1,334.68 feet above mean sea level.

Water level, in feet above mean sea level, 1942					
May 28	1,331.27	July 27	1,330.06	Oct. 2	1,329.60
June 23	1,331.54	Aug. 28	1,329.72	26	1,329.67

G33. Geological Survey, U. S. Department of Interior. NE. corner sec. 13, T. 13 N., R. 9 W., on first terrace. Driven test well, diameter 3/4 inch, depth 22.3 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,366.85 feet above mean sea level. Bench mark, 60-penny spike in north base of corner fence post, 10 feet east of well and 1,367.37 feet above mean sea level. Well destroyed after measurement on Oct. 26; measurements discontinued.

Water level, in feet above mean sea level, 1942					
May 29	1,349.88	July 28	1,350.52	Oct. 2	1,350.68
June 23	1,350.30	Aug. 28	1,350.72	26	1,350.65

G34. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 32, T. 13 N., R. 7 W., on second terrace. Driven test well, diameter 3/4 inch, depth 17.3 feet. Measuring point, 0.5 foot above land surface and 1,333.76 feet above mean sea level. Bench mark, nail in base of guy pole, about 2 feet north of well and 1,333.63 feet above mean sea level.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
May 28	1,328.36	July 27	1,326.05	Oct. 2	1,326.13
June 23	1,328.36	Aug. 28	1,325.44	26	1,325.24

G35. Geological Survey, U. S. Dept. of Interior. SW¼NW¼SW¼ sec. 18, T. 12 N., R. 5 W., on flood plain. Driven test well, diameter 3/4 inch, depth 13.4 feet. Measuring point, top of casing, 0.9 foot above land surface and 1,266.55 feet above mean sea level. Bench mark, U. S. Coast & Geodetic Survey standard disk stamped "1286.664 Y9 1933" in concrete post, about 300 feet south of well, 35 feet west of road, 15 feet south of Chicago, Rock Island & Pacific Railway track and 1,286.664 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,263.82	July 27	1,260.76	Oct. 26	1,263.94
June 22	1,264.85	Aug. 28	1,264.31		

G36. Geological Survey, U. S. Dept. of Interior. SW¼SW¼NW¼ sec. 13, T. 12 N., R. 6 W., on first terrace. Driven test well, diameter 3/4 inch, depth 14.7 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,274.69 feet above mean sea level. Bench mark, nail in north gatepost, 25 feet south of well and 1,275.15 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,267.93	July 27	1,266.69	Oct. 2	1,266.21
June 22	1,267.92	Aug. 28	1,266.19	26	1,266.46

G37. Geological Survey, U. S. Dept. of Interior. NE¼SE¼SE¼ sec. 7, T. 12 N., R. 5 W., on flood plain. Driven test well, diameter 3/4 inch, depth 13.0 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,265.94 feet above mean sea level. Bench mark, two nails driven in west base of power pole in northwest corner of yard of white house opposite well, 1,267.02 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,261.47	July 27	1,260.15	Oct. 2	1,261.53
June 22	1,262.82	Aug. 28	1,261.29	26	1,261.70

G38. Geological Survey, U. S. Dept. of Interior. SE¼NE¼NE¼ sec. 18, T. 12 N., R. 6 W., on flood plain. Driven test well, diameter 3/4 inch, depth 14.3 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,282.78 feet above mean sea level. Bench mark, U. S. Geol. Survey standard tablet stamped "TT 18 H 1940" in concrete post, in SW. corner sec. 8, T. 12 N., R. 6 W., 1,280.73 feet above mean sea level.

Water level, in feet above mean sea level, 1942

May 28	1,277.89	July 27	1,276.37	Oct. 2	1,276.93
June 24	1,278.09	Aug. 28	1,276.87	26	1,277.01

G39. Geological Survey, U. S. Dept. of Interior. SE¼SE¼NE¼ sec. 24, T. 13 N., R. 8 W., on first terrace. Driven test well, diameter 3/4 inch, depth 34.5 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,335.06 feet above mean sea level. Bench mark, nail in base of power pole, on east side of road, directly opposite well, 1,335.49 feet above mean sea level.

Water level, in feet above mean sea level, 1942

June 24	1,313.97	Aug. 28	1,316.29	Oct. 26	1,314.06
July 27	1,313.87	Oct. 2	1,313.92		

G40. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 8, T. 13 N., R. 8 W., on first terrace. Driven test well, diameter 3/4 inch, depth 24.3 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,352.46 feet above mean sea level. Bench mark, 60-penny nail in northwest base of power pole, in southeast corner of road intersection, 250 feet east of well and 1,351.65 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,339.34; Aug. 28, 1,338.75; Oct. 2, 1,338.59; Oct. 26, 1,338.37.

G41. Geological Survey, U. S. Dept. of Interior. 150 feet north of SW. corner sec. 4, T. 13 N., R. 8 W., on first terrace. Driven test well, diameter 3/4 inch, depth 9.8 feet. Measuring point, top of casing, 0.9 foot above land surface and 1,349.29 feet above mean sea level. Bench mark, nail in base of cottonwood tree, 5 feet west of well and 1,349.81 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,343.42; Aug. 28, 1,344.53; Oct. 2, 1,344.86; Oct. 26, 1,344.41.

G42. Geological Survey, U. S. Dept. of Interior. SE. corner SW¼ sec. 22, T. 13 N., R. 8 W., on first terrace. Driven test well, diameter 3/4 inch, depth 13.5 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,336.59 feet above mean sea level. Bench mark, nail in southwest root of 8-inch black locust tree, 40 feet east of well, 30 feet north of road, and 1,338.02 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,326.01; Aug. 28, 1,325.24; Oct. 2, 1,325.67; Oct. 26, 1,325.54.

G43. Geological Survey, U. S. Dept. of Interior. SW. corner sec. 30, T. 14 N., R. 9 W., on flood plain. Driven test well, diameter 3/4 inch, depth 10.8 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,388.06 feet above mean sea level. Bench mark, U. S. Geol. Survey standard tablet stamped "TT E3 1938" in concrete post, 25 feet south of SW. corner sec. 30, 1,389.28 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 28, 1,383.59; Aug. 28, 1,382.90; Oct. 2, 1,382.89; Oct. 27, 1,383.01.

G44. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 28, T. 14 N., R. 10 W., on first terrace. Bored test well, diameter 3/4 inch, depth 19.0 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,412.69 feet above mean sea level. Bench mark, nail in base of power pole, about 100 feet northwest of well and 1,412.72 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 28, 1,402.27; Aug. 28, 1,401.47; Oct. 2, 1,401.06; Oct. 27, 1,400.83.

G45. Geological Survey, U. S. Dept. of Interior. NW. corner sec. 21, T. 13 N., R. 8 W. Driven test well, diameter 3/4 inch, depth 13.2 feet. Measuring point, top of casing, 0.8 foot above land surface and 1,342.10 feet above mean sea level. Bench mark, rail spike in west base of power pole, about 5 feet west of well, 1,341.70 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,334.81; Aug. 28, 1,334.97; Oct. 2, 1,335.04; Oct. 26, 1,334.77.

G46. Geological Survey, U. S. Dept. of Interior. NE. corner sec. 29, T. 13 N., R. 9 W. Driven test well, diameter 3/4 inch, depth 16.8 feet. Measuring point, top of casing, 0.4 foot above land surface and 1,345.56 feet above mean sea level. Bench mark, chiseled square on west head wall of concrete culvert, in northeast corner of road intersection, about 75 feet northeast of well, 1,347.31 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,332.83; Aug. 28, 1,332.59; Oct. 2, 1,332.47; Oct. 26, 1,332.28.

G47. Geological Survey, U. S. Dept. of Interior. NW. corner SW¼SW¼ sec. 27, T. 14 N., R. 10 W., on first terrace. Driven test well, diameter 3/4 inch, depth 25.4 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,418.54 feet above mean sea level. Bench mark, ¼-inch headless steel bolt driven horizontally into base of power pole, about 100 feet south of well, on opposite side of road, 1,422.32 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 28, 1,410.68; Aug. 28, 1,409.28; Oct. 2, 1,408.35; Oct. 27, 1,407.83.

G48. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 3, T. 12 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 19.5 feet. Measuring point, top of casing, 0.3 foot above land surface and 1,308.97 feet above mean sea level. Bench mark, U. S. Engineer Dept. bench mark EL-7, chiseled square on northeast head wall of concrete culvert, about 70 feet southeast of well and 1,311.08 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,295.19; Aug. 28, 1,294.81; Oct. 2, 1,294.75; Oct. 26, 1,294.62.

G49. Geological Survey, U. S. Dept. of Interior. NE. corner SE¼SE¼ sec. 11, T. 12 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 26.8 feet. Measuring point, top of casing, 1.0 foot above land surface and 1,305.39 feet above mean sea level. Bench mark, nail supporting fence brace, in east side of second post from east end of quarter-mile fence, about 20 feet northwest of well, 2 feet above land surface and 1,306.26 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,286.37; Aug. 28, 1,285.87; Oct. 2, 1,285.89; Oct. 26, 1,285.88.

G50. Geological Survey, U. S. Dept. of Interior. SE. corner sec. 1, T. 12 N., R. 7 W., on first terrace. Driven test well, diameter 3/4 inch, depth 26.5 feet. Measuring point, top of casing, 0.7 foot above land surface and 1,301.74 feet above mean sea level. Bench mark, nail in east side of corner fence post, about 5 feet south of well, 1,300.77 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,283.73; Aug. 28, 1,283.22; Oct. 2, 1,283.27; Oct. 26, 1,283.36.

G51. Geological Survey, U. S. Dept. of Interior. NE. corner sec. 7, T. 12 N., R. 5 W., on flood plain. Driven test well, diameter 3/4 inch, depth 17.7 feet. Measuring point, top of casing, 0.5 foot above land surface and 1,263.20 feet above mean sea level. Bench mark, nail in west base of power pole, on east side of road opposite well, 1,264.15 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,259.42; Aug. 28, 1,260.44; Oct. 2, 1,260.85; Oct. 26, 1,261.11.

G52. Geological Survey, U. S. Dept. of Interior. SW. corner NW¼ sec. 4, T. 12 N., R. 5 W., on flood plain. Driven test well, diameter 3/4 inch, depth 14.2 feet. Measuring point, top of casing, 0.6 foot above land surface and 1,264.05 feet above mean sea level. Bench mark, nail in telephone pole on west side of road, 50 feet south of well and 1,263.36 feet above mean sea level. Water levels, in feet above mean sea level, 1942: July 27, 1,259.92; Aug. 28, 1,258.82; Oct. 2, 1,259.88; Oct. 26, 1,259.39.

Cimarron County

66 (*845, p. 394; 886, p. 605; 909, p. 64; 939, p. 52). C. K. Womack. NW¼SE¼SE¼ sec. 34, T. 1 N., R. 5 E. Water level, in feet below measuring point, 1942: Apr. 27, 83.44.

129 (*886, p. 603; 909, p. 64; 939, p. 52). George Camilli. NE¼NE¼SE¼ sec. 2, T. 2 N., R. 2 E. Water level, in feet below measuring point, 1942: Apr. 27, 169.42.

148 (*845, p. 394; 886, p. 605; 909, p. 65; 939, p. 52). T. A. Peters. SE¼SE¼SW¼ sec. 5, T. 2 N., R. 5 E. Water level, in feet below measuring point, 1942: Apr. 27, 22.05.

153 (*845, p. 394; 886, p. 605; 909, p. 65; 939, p. 52). Edmund B. Rogers. SE¼SE¼SE¼ sec. 32, T. 2 N., R. 5 E. Measurements discontinued.

223 (*845, p. 393; 886, p. 604; 909, p. 65; 939, p. 52). E. C. Jones. SE¼NE¼NE¼ sec. 18, T. 3 N., R. 1 E. Water level, in feet below measuring point, 1942: Apr. 27, 149.07.

224 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52). Walter R. Wood. NE¼SE¼SE¼ sec. 15, T. 3 N., R. 1 E. Water level, in feet below measuring point, 1942: Apr. 27, 139.10.

588859 O—44——5

237 (*886, p. 603; 909, p. 65; 939, p. 52). Central Life Assurance Society. NE¼NE¼NE¼ sec. 36, T. 3 N., R. 1 E. Water level, in feet below measuring point, 1942: Apr. 27, a/65.81.

240 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52). J. E. Benson. SE¼SW¼SW¼ sec. 8, T. 3 N., R. 2 E. Water level, in feet below measuring point, 1942: Apr. 27, 158.76.

262 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52). W. H. and Z. B. Stone. SE¼SE¼SW¼ sec. 12, T. 3 N., R. 4 E. No measurements made in 1942.

263 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52). John Ohnick, Jr. SE¼SW¼SW¼ sec. 15, T. 3 N., R. 4 E. Water level, in feet below measuring point, 1942: Apr. 27, 128.40.

275 (*886, p. 602; 909, p. 65; 939, p. 52). O. A. Showalter. SW¼NW¼NW¼ sec. 11, T. 3 N., R. 5 E. Nearby swimming-pool well not pumped in 1941 or 1942. Water levels, in feet below measuring point, 1942: Apr. 27, 146.38; Oct. 22, 146.34.

276 (*845, p. 393; 886, p. 603; 909, p. 65; 939, p. 52). Atchison, Topeka, and Santa Fe Railway. NW¼SW¼ sec. 14, T. 3 N., R. 5 E. Water level, in feet below measuring point, 1942: Apr. 27, 133.70.

313 (*845, p. 392; 886, p. 602; 909, p. 66; 939, p. 52). E. J. Behrent. NW¼NW¼NW¼ sec. 9, T. 3 N., R. 7 E. Water levels, in feet below measuring point, 1942: Apr. 28, 45.40; Oct. 22, 44.34.

338 (*845, p. 392; 886, p. 601; 909, p. 66; 939, p. 52). Federal Land Bank. SW¼SE¼NE¼ sec. 14, T. 3 N., R. 9 E. Water levels, in feet below measuring point, 1942: Apr. 26, 183.17; Oct. 22, 183.26.

387 (*845, p. 394; 886, p. 604; 909, p. 66; 939, p. 52). F. M. Tudor. SE¼SW¼SE¼ sec. 28, T. 4 N., R. 5 E. Measuring point lowered 0.10 foot from original level. Water levels, in feet below original measuring point, 1942: Apr. 28, 169.62; Oct. 22, 169.44.

415 (*845, p. 392; 886, p. 602; 909, p. 66; 939, p. 53). A. E. Buck. NW¼SW¼ sec. 23, T. 4 N., R. 7 E. Willowbar Lake dry at time of measurements. Water levels, in feet below measuring point, 1942: Apr. 28, 75.65; Oct. 22, 75.59.

418 (*845, p. 392; 886, p. 602; 909, p. 66; 939, p. 53). T. F. Phillips. NW¼NW¼NW¼ sec. 29, T. 4 N., R. 7 E. Measurements discontinued.

435 (*845, p. 392; 886, p. 601; 909, p. 66; 939, p. 53). B. J. Wiggins. SW¼SW¼SW¼ sec. 26, T. 4 N., R. 8 E. Water levels, in feet below measuring point, 1942: Apr. 26, 137.37; Oct. 22, 137.93.

436 (*845, p. 392; 886, p. 601; 909, p. 67; 939, p. 53). Mrs. S. C. Cantrell. NE¼NE¼NE¼ sec. 32, T. 4 N., R. 8 E. Water levels, in feet below measuring point, 1942: Apr. 26, 150.92; Oct. 22, 151.08.

500 (*909, p. 67; 939, p. 53). Dan Eiland, Sr. SE¼ sec. 12, T. 5 N., R. 4 E. Well destroyed; measurements discontinued.

516 (*886, p. 604; 909, p. 67; 939, p. 53). State of Oklahoma. SE¼ sec. 34, T. 5 N., R. 5 E. Water levels, in feet below measuring point, 1942: Apr. 28, 7.00; Oct. 22, 7.55.

528 (*886, p. 605; 909, p. 67; 939, p. 53). Alliance Insurance Co. NW¼ sec. 4, T. 5 N., R. 7 E. Established bench mark, Oct. 22, 1942, top of bolt in concrete foundation of well house, directly south of door. Measuring point, 0.38 foot above bench mark. Water levels, in feet below measuring point, 1942: Apr. 28, 18.09; Oct. 22, 17.48.

610 (*845, p. 393; 886, p. 604; 909, p. 67; 939, p. 53). A. S. Parker. SW¼NE¼NE¼ sec. 21, T. 6 N., R. 5 E. Water levels, in feet below measuring point, 1942: Apr. 28, 33.86; Oct. 22, 27.83.

---

a Pond full, extended to well.

Cleveland County

1 (*886, p. 614; 909, p. 67; 939, p. 53). Mrs. Elizabeth E. Taylor. NW¼SW¼ sec. 28, T. 10 N., R. 3 W. Bench mark, nail in south base of power pole, 120 feet north and 35 feet west of well, 1.03 feet lower than measuring point.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.03	Mar. 21	7.47	June 6	7.11	Oct. 31	9.04
10	6.82	28	7.58	13	7.13	Nov. 7	8.75
17	6.66	Apr. 4	7.46	20	7.34	12	8.67
24	6.98	11	4.09	27	7.57	14	8.72
31	7.26	15	4.86	July 3	7.66	20	9.20
Feb. 7	7.38	18	3.65	11	7.98	Dec. 1	9.37
14	7.52	30	4.29	31	9.09	12	9.32
21	6.85	May 9	5.70	Aug. 29	9.70	18	9.35
28	7.09	16	6.18	Sept.30	8.80	29	7.40
Mar. 7	6.53	23	6.66	Oct. 10	9.23	31	7.28
14	6.83	29	6.87				

2 (*939, p. 54). Mr. Boggs. NE¼NE¼SE¼ sec. 16, T. 9 N., R. 2 W. Bench mark, chiseled cross in base of power station for old oil well, east of derrick foundation, 108 feet southwest of well, and 2.59 feet above measuring point.

Water level, in feet below measuring point, 1942

Jan. 17	153.63	Apr. 4	153.35	June 13	153.05	Oct. 31	161.57
24	153.47	18	153.11	27	153.18	Nov. 7	162.30
Feb. 7	153.64	30	152.72	July 11	153.68	11	162.55
21	153.56	May 9	152.75	31	154.76	19	162.90
Mar. 7	153.50	16	152.67	Aug. 31	157.52	Dec. 3	163.88
14	153.41	23	152.70	Sept.30	159.16	12	164.49
21	153.67	29	152.89	Oct. 10	160.05	18	164.84
28	153.53						

4. Owner's number Staats 2. City of Norman. In Norman, 93 feet north of center line of Daws Street, 150 feet west of Santa Fe Avenue, in city park. Abandoned drilled public-supply well, diameter 8 inches, depth 643 feet. Measuring point, lowest edge of horizontal section of discharge pipe, 8 feet above land surface (corrected for horizontal portion of discharge pipe). Probable aquifer, Garber sandstone or Wellington formation. Influenced by pumpage from surrounding wells.

Water level, in feet below measuring point, 1940 and 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1940	a221.4	Dec. 2, 1942	233.54	Dec. 19, 1942	236.96
Nov. 20, 1942	231.85	12	235.32		

5. M. McAlister. NW. corner SE¼ sec. 30, T. 9 N., R. 1 W. Abandoned drilled supply well for oil well, diameter 8¼ to 6-5/8 inches, reported depth 400 feet, measured depth 230 feet (obstruction in well, which apparently does not affect efficiency). Measuring point, south edge of coupling, 1.0 foot above land surface. Bench mark, chiseled cross in northwest corner of northwest concrete block that formerly was foundation for oil-well derrick. Bench mark, 60 feet south of half-section fence and 170 feet east of well. Water level affected by changes in barometric pressure and pumping. Water-level recorder maintained on well since Dec. 15, 1942.

Water level, in feet below measuring point, 1940-42

Apr. 13, 1940	136.0	Dec. 18, 1942	b133.87	Dec. 25, 1942	b134.61
Dec. 6, 1941	130.33	19	b133.99	26	b134.58
Nov. 9, 1942	132.86	20	b134.03	27	b134.60
Dec. 3	133.36	21	b133.98	28	(c)
15	b133.84	22	b133.90	29	b133.88
16	b133.87	23	b134.64	30	b133.96
17	b133.85	24	b134.57	31	b133.94

a Estimated. Measuring point changed since original measurement; no accurate correlation can be made.
b Lowest daily water level from recorder charts.
c Record missing.

Harper County

1 (*909, p. 68; 939, p. 54). E. W. Johnson. NW¼NW¼NW¼ sec. 18, T. 26 N., R. 25 W.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	2.59	Apr. 28	3.13	July 30	0.22	Oct. 25	0.99
31	2.43	May 27	2.10	Aug. 27	.20	Nov. 28	1.62
Feb. 27	2.41	June 26	1.68	Sept.26	a.92	Dec. 30	1.84
Mar. 27	2.35						

Major County

RFM 1. Geological Survey, U. S. Dept. of Interior. NE¼NE¼ sec. 29, T. 20 N., R. 16 W., on flood plain of North Canadian River, 360 feet north of north end of bridge and 48 feet west of center line of Highway 60, north of Seiling. Replaces Major County well 1, Oklahoma City Water Department test well (*909, p. 68; 939, p. 54). Driven test well, diameter 3/4 inch, depth 13.4 feet. Measuring point, top of casing, 1.4 feet above land surface Bench mark, chiseled cross in northeast concrete wing wall of bridge, 7.62 feet above measuring point. Original bench mark destroyed; therefore, no accurate correlation between water levels in old and new wells can be made.

Water level, below present measuring point, 1942

Apr. 29	5.06	July 29	8.53	Sept. 26	8.07	Nov. 27	7.73
May 27	6.63	Aug. 27	8.82	Oct. 25	7.30	Dec. 30	7.39
June 26	7.15	Sept.25	8.30				

Payne County

Stillwater Creek Area

1 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Unknown oil company. SW¼ sec. 15, T. 19 N., R. 4 E.

Water level, in feet above assumed datum, 1942

Jan. 28	10.95	Apr. 27	12.95	July 28	10.35	Oct. 27	10.58
Feb. 28	10.95	May 27	11.42	Aug. 28	10.43	Nov. 27	11.05
Mar. 26	10.47	June 27	13.25	Sept.27	10.70	Dec. 28	10.78

2 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). J. F. Gilchrist. NW¼ sec. 36, T. 20 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Jan. 28	12.04	Apr. 27	14.35	July 28	10.85	Oct. 27	11.28
Feb. 28	11.87	May 27	12.35	Aug. 28	11.84	Nov. 27	11.48
Mar. 26	11.94	June 27	12.20	Sept.27	11.35	Dec. 28	11.16

3 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 55). V. D. Hesser. NW¼ sec. 23, T. 20 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Jan. 28	11.77	Apr. 27	14.46	July 28	11.85	Oct. 27	11.82
Feb. 28	11.70	May 27	12.66	Aug. 28	12.02	Nov. 27	12.39
Mar. 26	12.75	June 27	14.77	Sept.27	12.37	Dec. 28	11.67

4 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). W. O. Snyder. NW¼ sec. 2, T. 19 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Jan. 28	17.11	Apr. 27	23.80	July 28	19.31	Oct. 27	14.75
Feb. 28	15.61	May 27	16.86	Aug. 28	14.70	Nov. 27	15.22
Mar. 26	15.54	June 27	21.41	Sept.27	14.33	Dec. 28	14.71

a Water level, in feet below measuring point.

5 (*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Jim Swartz. NE¼ sec. 10, T. 19 N., R. 3 E. Well filled in; measurements discontinued.

7 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Charles Focht. NW¼ sec. 20, T. 19 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	14.41	Apr. 27	25.11	July 28	17.17	Oct. 27	16.66
Feb. 28	13.91	May 27	19.01	Aug. 28	17.29	Nov. 27	16.66
Mar. 26	13.86	June 27	20.44	Sept.27	16.66	Dec. 28	15.95

9 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Owner unknown. SW¼ sec. 21, T. 20 N., R. 2 E.

Water level, in feet above datum plane, 1942

Jan. 28	15.77	Apr. 29	20.51	July 28	15.47	Oct. 27	12.77
Feb. 28	14.80	May 27	18.26	Aug. 28	13.72	Nov. 27	12.78
Mar. 26	14.90	June 27	16.27	Sept.27	13.21	Dec. 28	12.36

11 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). May Jetterman. NW¼ sec. 10, T. 19 N., R. 1 W.

Water level, in feet above assumed datum, 1942

Jan. 28	8.73	Apr. 29	28.26	June 27	14.73	Aug. 28	7.72
Feb. 28	8.91	May 27	12.66	July 28	10.96	Sept.27	(a)
Mar. 26	10.32						

12 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Mrs. Martie Edwards. NE¼ sec. 13, T. 19 N., R. 1 W.

Water level, in feet above assumed datum, 1942

Jan. 28	21.14	Apr. 29	27.69	July 28	23.56	Oct. 27	20.54
Feb. 28	21.88	May 27	24.34	Aug. 28	21.83	Nov. 27	(a)
Mar. 26	22.64	June 27	27.41	Sept.27	22.79		

13 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Erma T. Pool. SW¼ sec. 23, T. 19 N., R. 1 E.

Water level, in feet above assumed datum, 1942

Jan. 28	8.12	Apr. 29	9.66	July 28	9.42	Oct. 27	9.86
Feb. 28	8.39	May 27	9.34	Aug. 28	9.83	Nov. 27	10.67
Mar. 26	8.68	June 27	9.39	Sept.27	9.84	Dec. 28	10.21

15 (*777, p. 141;*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). Lovell Bros. NE¼ sec. 35, T. 19 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Jan. 28	9.88	Apr. 27	11.72	July 28	11.22	Oct. 27	11.55
Feb. 28	10.00	May 27	11.52	Aug. 28	10.97	Nov. 27	12.22
Mar. 26	10.22	June 27	11.44	Sept.27	11.42	Dec. 28	11.74

16 (*817, p. 232; 845, p. 401; 886, p. 613; 909, p. 70; 939, p. 55). W. K. Hartman. SW¼ sec. 12, T. 18 N., R. 3 E.

Water level, in feet above assumed datum, 1942

Jan. 28	15.21	Apr. 27	17.30	July 28	18.40	Oct. 27	19.32
Feb. 28	14.80	May 27	17.10	Aug. 28	18.92	Nov. 27	19.23
Mar. 26	14.80	June 27	19.67	Sept.27	19.81	Dec. 28	18.93

17 (*777, p. 141;*817, p. 232; 845, p. 402; 886, p. 613; 909, p. 70; 939, p. 55). R. J. Haskett. NE¼ sec. 12, T. 19 N., R. 1 E.

Water level, in feet above assumed datum, 1942

Jan. 28	18.18	Apr. 27	18.92	July 28	15.83	Oct. 27	14.63
Feb. 28	18.73	May 27	17.10	Aug. 28	14.74	Nov. 27	16.22
Mar. 26	17.93	June 27	18.23	Sept.27	14.63	Dec. 28	15.74

a Measurements discontinued.

17 (*777, p. 141; 817, p. 232; 845, p. 402; 886, p. 613; 909, p. 70; 939, p. 55). R. J. Haskett. NE¼ sec. 12, T. 19 N., R. 1 E.

Water level, in feet above assumed datum, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	18.18	Apr. 27	18.92	July 28	15.83	Oct. 27	14.63
Feb. 28	18.73	May 27	17.10	Aug. 28	14.74	Nov. 27	15.22
Mar. 26	17.93	June 27	18.23	Sept.27	14.63	Dec. 28	15.74

Texas County

40 (*840, p. 331; 845, p. 395; 886, p. 607; 909, p. 70; 939, p. 56). August Lorenz. NE¼NW¼ sec. 6, T. 3 N., R. 17 E. Water levels, in feet below measuring point, 1942: Apr. 25, 90.74; Oct. 21, 90.49.

85 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 70; 939, p. 56). George Dean. SE¼SE¼ sec. 34, T. 4 N., R. 11 E. No measurements made in 1942.

120 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 71; 939, p. 56). Joe Gribble. NE¼NE¼ sec. 2, T. 5 N., R. 14 E. Measuring point lowered 0.58 foot; now is south edge of steel cover under wooden clamp, 0.12 foot above bench mark. Bench mark is chiseled cross in northwest corner of concrete slab, 6.5 feet north of well. Water levels, in feet below original measuring point, 1942: Apr. 26, 196.18; Oct. 21, 196.19.

125 (*886, p. 611; 909, p. 71; 939, p. 56). J. Donald Hughes. SW¼SE¼SW¼ sec. 13, T. 1 N., R. 18 E. Measuring point, 8.25 feet below bench mark, which is chiseled cross in top of concrete east wall of well pit. Water levels, in feet below measuring point, 1942: Apr. 24, 1.20; Oct. 19, 2.15.

130 (*886, p. 611; 909, p. 71; 939, p. 56). Robert Johnson. SE¼NW¼ sec. 7, T. 1 N., R. 19 E. Water levels, in feet below measuring point, 1942: Apr. 24, 0.55; Oct. 19, 0.88.

138 (*886, p. 611; 909, p. 71; 939, p. 56). Joe Sutton. SW¼SE¼ sec. 6 T. 1 N., R. 19 E. Water levels, in feet below measuring point, 1942: Apr. 24, 1.07; Oct. 19, 2.49.

167 (*845, p. 399; 886, p. 611; 909, p. 71; 939, p. 56). Owner unknown. SW¼SE¼SE¼ sec. 34, T. 2 N., R. 12 E. Water levels, in feet below measuring point, 1942: Apr. 25, 190.00; Oct. 20, 189.70.

172 (*845, p. 398; 886, p. 610; 909, p. 71; 939, p. 56). Owner unknown. SE¼SE¼NE¼ sec. 25, T. 2 N., R. 13 E. Water levels, in feet below measuring point, 1942: Apr. 25, 120.98; Oct. 20, 119.64.

176 (*840, p. 333; 845, p. 398; 886, p. 610; 909, p. 71; 939, p. 56). W. N. Ballinger. SW¼SW¼ sec. 18, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1942: Apr. 26, 0.22; Oct. 21, a/0.15.

182 (*845, p. 399; 886, p. 611; 909, p. 71; 939, p. 56). Panhandle Agricultural and Mechanical College. NE¼NE¼SE¼ sec. 34, T. 2 N., R. 13 E. Water levels, in feet below measuring point, 1942: Apr. 25, b/137.30; Oct. 15, 138.15.

187 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 71; 939, p. 56). John Gill. SE¼NW¼ sec. 12, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1942: Apr. 25, 2.46; Oct. 21, 4.12.

188 (*886, p. 610; 909, p. 71; 939, p. 56). Kuhn Bros. NW¼ sec. 1, T. 2 N., R. 14 E. Measuring point, 4.38 feet above bench mark, which is chiseled cross in southwest corner of concrete valve box with removable corrugated iron cover; valve box is part of control system of nearby gas well. Water levels, in feet below measuring point, 1942: Apr. 25, 124.99; Oct. 20, 124.44.

270 (*845, p. 397; 886, p. 609; 909, p. 71; 939, p. 57). Owner unknown. NW¼SW¼ sec. 7, T. 3 N., R. 11 E. Water levels, in feet below measuring point, 1942: Apr. 26, 72.77; Oct. 22, 72.84.

a Water level, in feet above measuring point.

b South town well pumping.

281. Lester Sparks. NW¼NW¼NE¼ sec. 5, T. 3 N., R. 11 E., on upland plain. Unused drilled irrigation well, diameter 15 inches, depth on Apr. 28, 1942, 109 feet (118 feet in 1938). Measuring point, north edge of casing, 3.0 feet above land surface and 1.67 feet above bench mark, which is top of nut embedded in concrete base of southeast leg of derrick. Top 15 feet cased, remainder an open hole. Water levels, in feet below measuring point: Aug. 28, 1938, 90.84; Apr. 28, 1942, 91.34; Oct. 22, 1942, 91.89.

284 (*886, p. 608; 909, p. 71; 939, p. 57). Paul Spradlin. NE¼NE¼NE¼ sec. 5, T. 3 N., R. 12 E. Water levels, in feet below measuring point, 1942: Apr. 26, 102.28; Oct. 22, 102.30.

286 (*845, p. 397; 886, p. 608; 909, p. 72; 939, p. 57). William Webb. SW¼SW¼ sec. 9, T. 3 N., R. 12 E. Measurements discontinued.

294 (*845, p. 396; 886, p. 608; 909, p. 72; 939, p. 57). Stonebraker-Zea Ranch. NW¼NW¼ sec. 25, T. 3 N., R. 13 E. Measuring point, 2.27 feet above bench mark which is chiseled cross in top concrete step of old house foundation northeast of well. (Original bench mark destroyed.) Water levels, in feet below measuring point, 1942: Apr. 25, 43.31; Oct. 20, 43.09.

295 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57). E. O. Hobson. SW¼NW¼ sec. 14, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1942: Apr. 25, 9.40; Oct. 21, 11.34.

308 (*886, p. 608; 909, p. 72; 939, p. 57). Charles Reust. SE¼SE¼SE¼ sec. 5, T. 3 N., R. 14 E. Water levels, in feet below measuring point, 1942: Apr. 26, 69.68; Oct. 22, 68.38.

323 (*845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57). Mrs. Bostwick. SW¼SE¼ sec. 1, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1942: Apr. 25, 21.56; Oct. 21, 21.76.

324 (845, p. 396; *886, p. 607; 909, p. 72; 939, p. 57). Anna Calvert. SW¼SW¼ sec. 2, T. 3 N., R. 16 E., on upland flat. Used drilled domestic well, diameter 4 inches, depth 100 feet. Measuring point, strap iron nailed to east block of wooden clamp, 0.19 foot higher than original measuring point. Bench mark, 60-penny spike in north side of southeast corner post of windmill. Water levels, in feet below original measuring point, 1942: Apr. 25, 95.70; Oct. 21, 95.77.

325 (*845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57). Florence B. Ensten. NW¼NW¼ sec. 2, T. 3 N., R. 16 E. Water levels, in feet below measuring point, 1942: Apr. 25, 105.33; Oct. 21, 104.96.

332 (*840, p. 332; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57). Owner unknown. SW¼SE¼ sec. 17, T. 3 N., R. 15 E. Water levels, in feet below measuring point, 1942: Apr. 25, 68.10; Oct. 21, 67.94.

350 (*840, p. 331; 845, p. 396; 886, p. 607; 909, p. 72; 939, p. 57). C. A. Nash. NW¼NW¼ sec. 18, T. 3 N., R. 16 E. Measuring point, 5.84 feet below bench mark, which is chiseled cross on southwest corner of house foundation about 50 feet west of well. Water level, in feet below measuring point, 1942: Oct. 21, 2.74.

354 (*840, p. 332; 845, p. 398; 886, p. 609; 909, p. 72; 939, p. 57). A. M. Fankhouser. SE¼SW¼ sec. 27, T. 6 N., R. 15 E. New measuring point, established Apr. 26, 1942, edge of south wood block of clamp, west of discharge pipe, probably within 0.02 foot of elevation of original measuring point, but no accurate correlation of water levels can be made. Bench mark, established Oct. 21, 1942, chiseled cross on north edge of concrete cistern cover, 35 feet southeast of well, at same elevation as present measuring point. Water levels, in feet below present measuring point, 1942: Apr. 26, 148.77; Oct. 21, a/149.47.

386 (*840, p. 333; 845, p. 398; 886, p. 610; 909, p. 72; 939, p. 57). Frank Roten. SE¼SE¼ sec. 3, T. 2 N., R. 14 E. Water levels, in feet below measuring point, 1942: Apr. 25, 102.02; Oct. 20, 101.36.

399 (*840, p. 333; 845, p. 398; 886, p. 610; 909, p. 73; 939, p. 57). Andrew Bender. NE¼SE¼ sec. 26, T. 2 N., R. 14 E. Measuring point lowered 0.22 foot, now top edge of east board of cover, at notch cut for discharge pipe, 2.23 feet below bench mark. Bench mark is 60-penny spike driven flush in top of northwest corner post of windmill. Water level, in feet below original measuring point, 1942: Apr. 25, 127.70.

---

a Last pumped 3½ hours prior to measurement.

404 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 57). Everett J. Ritter. NW¼NE¼ sec. 4, T. 1 N., R. 14 E. Water level, in feet below measuring point, 1942: Apr. 25, 166.90.

436 (*845, p. 398; 886, p. 610; 909, p. 73; 939, p. 57). Leo Holtgraver. NE¼NE¼ sec. 24, T. 4 N., R. 14 E. Water levels, in feet below measuring point, 1942: Apr. 26, 170.94; Oct. 20, 170.93.

446 (*845, p. 398; 886, p. 610; 909, p. 73; 939, p. 58). Owner unknown. NW¼NE¼NW¼ sec. 8, T. 4 N., R. 14 E. Water levels, in feet below measuring point, 1942: Apr. 26, a/149.35; Oct. 22, 149.32.

459 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 58). Owner unknown. NE¼NW¼ sec. 21, T. 1 N., R. 14 E. Water level, in feet below measuring point, 1942: Apr. 25, 65.26.

461 (*840, p. 333; 845, p. 399; 886, p. 611; 909, p. 73; 939, p. 58). Owner unknown. NW¼NW¼ sec. 31, T. 1 N., R. 14 E. Well caved in; measurements discontinued.

487 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58). J. E. Friesen. SE¼SE¼ sec. 34, T. 4 N., R. 18 E. Water levels, in feet below measuring point, 1942: Apr. 25, 100.77; Oct. 21, 100.72.

497 (*845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58). R. M. Van Hyning. NW¼SW¼SW¼ sec. 21, T. 4 N., R. 19 E. Water levels, in feet below measuring point, 1942: Apr. 25, 103.91; Oct. 19, 103.70.

530 (*840, p. 333; 845, p. 398; 886, p. 609; 909, p. 73; 939, p. 58). Owner unknown. NE¼NE¼ sec. 26, T. 5 N., R. 14 E. Water levels, in feet below measuring point, 1942: Apr. 26, 178.33; Oct. 21, 178.20.

551 (*840, p. 332; 845, p. 396; 886, p. 608; 909, p. 73; 939, p. 58). Owner unknown. SW¼SW¼ sec. 19, T. 4 N., R. 13 E. Water levels, in feet below measuring point, 1942: Apr. 26, 145.76; Oct. 22, 145.50.

552 (*840, p. 332; 845, p. 397; 886, p. 608; 909, p. 73; 939, p. 58). B. G. Manwarren. NE¼NE¼NE¼ sec. 1, T. 3 N., R. 12 E. Water level, in feet below measuring point, 1942: Apr. 26, 178.10.

589 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 73; 939, p. 58). George Hoferber. NW¼NW¼ sec. 34, T. 4 N., R. 17 E. Measuring point changed to south edge of casing, beside drain-hole shut-off lever, 0.24 foot below old measuring point. Water levels, in feet below original measuring point, 1942: Apr. 25, 119.84; Oct. 21, 119.62.

621 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 74; 939, p. 58). Marvin Reeves. NW¼NW¼ sec. 2, T. 3 N., R. 10 E. Measuring point lowered 0.03 foot. Water levels, in feet below original measuring point, 1942: Apr. 26, 150.72; Oct. 22, 150.93.

626 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 74; 939, p. 58). John R. McCoy. SW¼NW¼ sec. 27, T. 4 N., R. 10 E. No measurements made in 1942.

761 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 58). Federal Life Insurance Co., Chicago. NW¼NW¼ sec. 7, T. 3 N., R. 19 E. Original measuring point and bench mark destroyed. New measuring point, south wood block of clamp, west of discharge pipe, 0.07 foot above original measuring point, and 1.02 feet below new bench mark. New bench mark is top of bolt set in southeast corner of concrete foundation of shed about 100 feet north of well. Water levels, in feet below original measuring point, 1942: Apr. 25, 107.64; Oct. 19, 107.43.

765 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59). O. Jolliff. SW¼ sec. 26, T. 3 N., R. 19 E. New measuring point, established June 30, 1941, north edge of casing, 2.55 feet below original measuring point, and 2.04 feet above bench mark. (Water levels for June 30 and Nov. 13, 1941, are published in Water-Supply Paper 939 as 107.98 and 108.07 feet

a Nearby pond almost dry at time of measurement.

below original measuring point; the correct figures for these dates are here included.) Water levels, in feet below original measuring point: June 30, 1941, 107.93; Nov. 13, 1941, 108.09; Apr. 25, 1942, 108.14; Oct. 19, 1942, 108.19.

770 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59). A. C. DeHart. SW¼NW¼ sec. 15, T. 3 N., R. 19 E. Water levels, in feet below measuring point, 1942: Apr. 25, 123.59; Oct. 19, 123.67.

795 (*840, p. 331; 845, p. 395; 886, p. 606; 909, p. 74; 939, p. 59). Herman Zable. NW¼SW¼ sec. 30, T. 4 N., R. 18 E. Water levels, in feet below measuring point, 1942: Apr. 25, 116.66; Oct. 21, 116.48.

842 (*840, p. 332; 845, p. 397; 886, p. 609; 909, p. 74; 939, p. 59). C. A. Rahm. NW¼NE¼ sec. 22, T. 6 N., R. 16 E. Water levels, in feet below measuring point, 1942: Apr. 26, 123.41; Oct. 21, 122.91.

Woodward County

1 (*909, p. 74; 939, p. 59). Oklahoma City Water Department. NE¼NW¼ sec. 8, T. 20 N., R. 17 W.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	5.67	Apr. 29	3.82	Aug. 27	6.74	Oct. 25	4.74
31	5.20	May 27	5.74	Sept.25	5.29	Nov. 27	5.54
Feb. 27	5.52	June 26	5.30	26	5.21	Dec. 31	5.21
Mar. 27	5.45	July 29	6.77				

2 (*909, p. 75; 939, p. 59). Oklahoma City Water Department. NE¼NE¼ sec. 25, T. 23 N., R. 21 W.

Water level, in feet below measuring point, 1942

Jan. 2	5.96	Apr. 29	5.42	Aug. 27	7.56	Oct. 25	5.65
31	6.36	May 27	6.44	Sept.25	6.18	Nov. 27	6.59
Feb. 27	6.18	June 26	6.19	26	6.15	Dec. 30	6.35
Mar. 27	6.25	July 29	7.72				

3 (*909, p. 75; 939, p. 59). Western State Hospital. NE¼NE¼ sec. 16, T. 24 N., R. 22 W.

Water level, in feet below measuring point, 1942

Jan. 2	6.60	Feb. 27	6.89	Apr. 28	6.08	Nov. 28	6.82
31	6.69	Mar. 27	6.80	Oct. 25	6.60		

TEXAS

By R. W. Sundstrom

INTRODUCTION

Measurements of water level and artesian pressure in observation wells in Texas have been made since 1929 by the Geological Survey, United States Department of the Interior, in cooperation with the Texas State Board of Water Engineers. During parts of this period other agencies, including the Soil Conservation Service of the United States Department of Agriculture, the Red Bluff Water Power and Control District, and the cities of El Paso, Lufkin, Houston, and Galveston, have cooperated in collecting water-level measurements.

During 1942, 7,060 measurements in all were made in about 1,000 wells, distributed among 44 counties. For the purpose of obtaining continuous records of fluctuations of water in selected areas, water-stage recorders were maintained on 15 wells in those areas. In some parts of the State water levels were measured at intervals of a month or less, but for most of the State the interval between measurements was from 4 months to a year.

PRECIPITATION

The precipitation during 1942 for the State as a whole was 3.05 inches above the average. The United States Weather Bureau, for the purpose of summarizing its climatologic data on the State, has divided Texas into three parts--western, middle, and eastern. The western division lies west of the 101st meridian; the middle division lies between the 101st and 97th meridians; and the eastern division lies east of the 97th meridian. In the western division the precipitation was generally below the average for the months of January, February, March, May, June and November and above the average for each of the other months of the year. In the middle division the precipitation was generally below the average for the months of January,

February, March, May, November, and December and above the average for each of the other months. In the eastern division the precipitation was generally below the average for January, February, March, May, October, November, and December and above the average for each of the other months.

According to the Weather Bureau's summary for the year, the precipitation averaged above normal in all three divisions. The amount during the year varied considerably from station to station within each division. In the western division the range in amount was from 8.69 inches at Presidio to 32.87 inches at Spearman; in the middle division, from 13.94 inches at Mission to 47.37 inches at Hillsboro; and in the eastern division, from 26.83 inches at Valley Junction to 71.29 inches at Port Arthur.

FLUCTUATIONS OF WATER LEVEL

Ground-water conditions affecting fluctuations of water level vary so greatly in Texas that it is not practicable to discuss the fluctuations for the State as a whole. Therefore they are here discussed under six general regions, into which the State has been divided according to the conditions prevalent in each.

BALCONES FAULT ZONE

Most of the observation wells in Bexar, Comal, Guadalupe, Hays, Kinney, Travis, Uvalde, Val Verde, and Williamson Counties are in the Balcones fault zone. Most of them draw water from the Edwards limestone, but a few tap the Austin chalk, and a few others tap shallow sands and gravels. The Edwards limestone supplies the springs of this fault zone from the vicinity of Comstock, in Val Verde County, eastward through the cities of Del Rio, San Antonio, New Braunfels, and San Marcos to Austin. It also supplies irrigation wells in Bexar and Uvalde Counties and public and industrial wells in San Antonio and other and smaller cities. Some of the springs it supplies rank among the larger springs of the United States. The combined maximum recorded daily discharge of the seven largest--Goodenough, San Felipe, Las Moras, San Antonio, Comal, San Marcos, and Barton--is more than 1,200,000,000 gallons, and their average daily discharge is about 550,000,000 gallons. A flowing well at San Antonio that taps this limestone had a measured daily yield of 23,900,000 gallons on June 16, 1942, and an artesian head of 56 feet above the land surface. Most of the observation wells in the Edwards limestone are artesian, and their water levels rise quickly after heavy rains in the outcrop area.

During 1942 water-level measurements in most of the observation wells in the Balcones fault zone were made in the spring, summer, and fall.

Val Verde County.--In the three wells observed in this county, the water levels measured in 1942, as compared with those measured in 1941, were slightly higher in the spring, averaged about 2.5 feet lower in the summer, and averaged about 2.8 feet higher in the fall.

Kinney County.--In the seven observation wells drawing from the Edwards limestone for which measurements at corresponding seasons in both years are available, the water levels were lower in 1942 than in 1941. They averaged about 3.5 feet lower in the spring, about 5.7 feet lower in the summer and about 2 feet lower in the fall. In the five observation wells in the Austin chalk for which measurements at the same seasons in both years are available the water levels in 1942 were about 3 feet lower in the spring, 3.7 feet lower in the summer, and 0.5 foot lower in the fall.

Uvalde County.--In this county the water levels for 1941 and 1942 in eight wells may be compared. Six of the wells draw water from the Edwards limestone, and the other two draw it from the Austin chalk. The water levels in the wells drawing from the Edwards limestone averaged about 2.7 feet higher in the spring, about 1.9 feet lower in the summer, and about 3 feet lower in the fall of 1942 than in the corresponding seasons of 1941. In the wells drawing from the Austin chalk, the water levels were lower throughout the spring, summer, and fall of 1942 than throughout the corresponding seasons of 1941.

Medina County.--In the six observation wells in the Edwards limestone in Medina County, the water levels averaged 8.6 feet lower in the spring, 4.5 feet lower in the summer, and 2.7 feet higher in the fall of 1942 than in the corresponding seasons of 1941.

Bexar County.--In the seven wells in the Edwards limestone in Bexar County the fluctuations of water level were similar to those observed in wells in the same formation in Medina County, to the west. The water levels averaged 7.2 feet lower in the spring, 4.2 feet lower in the summer, and 4.8 feet higher in the fall of 1942 than in the corresponding seasons of 1941. Since 1932 an automatic water-stage recorder has been maintained on well 43[illegible] at Beverly Lodges tourist camp, near San Antonio. The fluctuations of water level in this well is shown in figure 11A, which reveals that in the fall of 1942 the water level reached its highest stage in 10 years.

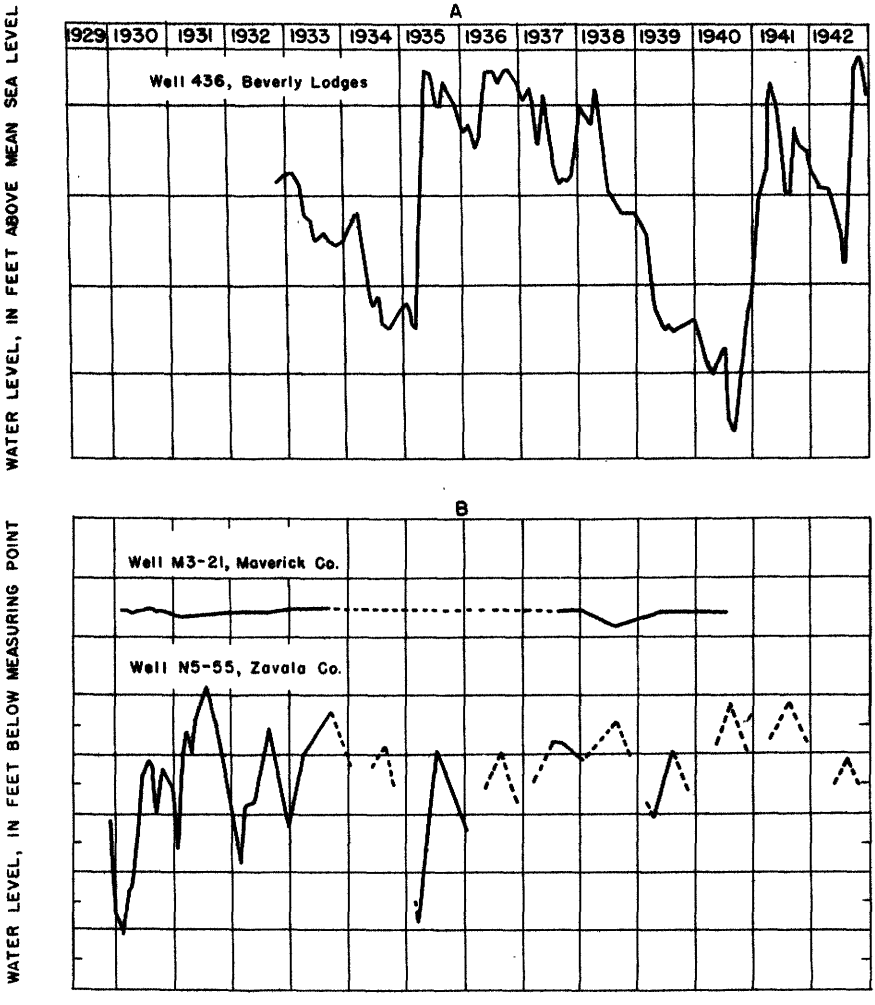

Figure 11.--A, Hydrograph showing fluctuations of water level in well 436, Beverly Lodges, San Antonio, Tex.; B, Hydrographs showing fluctuations of water level in wells in the Winter Garden district, Tex.

Comal County.--In the 10 observation wells in the Edwards limestone in Comal County for which measurements at corresponding seasons in 1941 and 1942 are available, the water levels averaged 0.8 foot higher in the spring and 3.5 feet higher in the fall of 1942 than in the corresponding seasons of 1941.

Hays County.--In the wells observed in Hays County the water levels were generally lower in the spring and summer of 1942 than in the spring and summer of 1941. In the fall of 1942, however, in some wells the water levels were higher and in some lower than they were in the fall of 1941. The fluctuations varied so greatly between large and small in the individual wells that general averages of water level for the county are not significant.

Travis County--In this county 23 wells were added to the observation-well program in 1942. In six wells for which measurements are available for corresponding seasons in 1941 and 1942 the water levels were considerably lower in the summer and winter of 1942 than in the summer and winter of 1941.

Williamson County.--Water-level measurements at corresponding seasons in 1941 and 1942 are available for nine observation wells in Williamson County. In both summer and winter the water levels in these wells averaged lower in 1942 than in 1941, in summer 17 to 35 feet lower.

SOUTHWEST TEXAS

Dimmit and Zavala Counties.--Parts of Dimmit and Zavala Counties are in the Winter Garden district of Texas, in which several thousand acres of land have been irrigated for the last 23 years. During the period 1937-38 about 22,000 acres was irrigated, and both the acreage under irrigation and the pumpage were materially increased during the period 1941-42. Nearly all the water used for irrigation is derived from the Carrizo sand, which crops out in a belt about 1 to 7 miles wide extending across the western part of Dimmit County, the western and northern parts of Zavala County, the eastern part of Maverick County, and the western part of Uvalde County. The sand is about 200 feet thick on the average and dips generally east and southeast. The belt in which it can be reached within a depth of 1,000 feet is about 15 miles wide.

In observation wells in the outcrop area of the Carrizo sand that are remote from pumping, the water levels show relatively little seasonal or yearly fluctuation and have changed only slightly during the last 13 years. From August 1941 to August 1942, however, there was an average decline of 0.65 foot in water levels in the outcrop area. In the area down the dip of the sand, where pumping has been heavy, the water levels were lower in August 1942 than in August 1941. In most of the wells they were only a fraction of a foot to a few feet lower in August 1942 than in July 1939, and in nine wells they were higher. In most of the wells the water levels were no lower in August 1942 than in August 1930 and July 1935. In a few wells they reached their lowest recorded stage in 1942. This apparent decline of water levels in the outcrop area may not be significant, because in most wells they were affected by the pumping of nearby irrigation wells on the outcrop. The following table gives the number of wells observed and the average decline of water level from August 1941 to August 1942 in several areas in the Winter Garden district.

Area	Number of wells observed	Average decline
Outcrop area	6	-0.65
LaPryor	2	-3.03
Cometa	6	-3.46
Crystal City	5	-19.19
Winterhaven	3	-15.34
Carrizo Springs	3	-7.83
Asherton	3	-11.14
Catarina	5	-6.04
Brundage	2	-16.19
Big Wells	2	-11.08
Valley Wells	1	-9.5
El Cid	1	-2.78

SOUTHEAST TEXAS

Wharton County.--Wharton County is the leading rice-producing county in Texas. Both surface water and ground water are used to irrigate the rice crop. It is estimated that approximately 30,000 acre-feet was pumped from wells in 1939 in the county for this purpose. The growing season of 1941 was abnormally wet, and irrigation requirements, therefore, were below normal. The reduction in the pumping and the recharge from the heavy rainfall were reflected in the water levels. Measurements of water level were made twice during 1942 in 22 observation wells--in April and December. For the purpose of comparing the water levels in different years, however,

the spring measurements only are used, because they are made before irrigation has begun and the wells have therefore not been pumped for 7 months or longer, thus allowing the water levels to make their maximum recovery. On the average based on 22 wells, water levels in Wharton County were 1.28 feet higher in the spring of 1942 than in the spring of 1941.

Jackson County.--The water levels in Jackson County, on the average, were higher in December 1942 than in December 1941. No spring measurements were made. (For comparison of water levels in different years, spring measurements are usually used.) The winter measurements of 1942 in most wells were higher than the spring measurements of 1941.

Houston and Galveston areas.--Fluctuations of water level were observed in 1942 in four general areas, each designated by the principal city or town within it. They are the Houston, Galveston, Katy, and Pasadena areas, in all of which the fluctuations are influenced chiefly by heavy pumping.

In the Houston and Pasadena areas the average pumpage in 1941 was 77 million gallons a day, or 2 million gallons a day less than in 1940, although the number of ground-water developments was increased in 1941. The unusually heavy rainfall in 1941 and frequent showers during the summer of that year supplied much of the water required for watering lawns and gardens and for industrial cooling, leaving much less than usual to be supplied from pumpage for these uses. In 1942 the average pumpage in the two areas was about 85 million gallons a day, or 7 million gallons a day more than in 1941. This increase came about because of an increase in 1942 in the number of ground-water developments for war industries and municipalities and partly because the rainfall was less in 1942 than in 1941.

A general decline of water levels in the Houston and Pasadena areas began in 1937 and continued through 1941, but at a diminishing rate until 1942. For example, the average decline in the observation wells in these areas between the spring of 1941 and the spring of 1942 was 2.5 feet, as compared with 5.3 feet for the preceding year. In 1942, however, the great acceleration in the rate of pumping caused an acceleration in the rate of decline of the water levels throughout the area.

In the Katy rice-growing area about 27,350 acres of rice was planted in 1941. It was irrigated with the pumpage from 95 wells. In 1940, 24,200

acres was planted, and this was irrigated with the pumpage from 88 wells. The pumpage in 1941 was equivalent to about 23 million gallons a day throughout the year, or about half that of 1940. This decrease in pumpage was owing to the abnormally heavy rainfall in 1941. During 1942 about 30,400 acres of rice was planted, and 105 wells were pumped to provide irrigation for it. The pumpage was equivalent to about 38 million gallons a day throughout the year. Although the total pumpage was about 65 percent greater in 1942 than in 1941, the pumpage per acre of rice was still below normal. This condition came about because the rainfall during the growing season was again above the average of 1942, although less during the growing season of 1942.

As a result of the relatively small pumpage in 1941, the gradual decline of water levels in the Katy area that had persisted since 1931 gave place to a general rise between the spring of 1941 and the spring of 1942, the average rise in 44 wells being 2.1 feet.

In the Houston area the magnitude of the decline in an observation well depends on the position of the well with respect to the centers of heavy pumping and on the amount of water pumped. The fluctuations of water level in four typical observation wells in Houston during the period 1931-42 are shown in figures 12 and 13.

Throughout Galveston County the water levels continued to decline during 1942, owing to heavy pumping.

EAST TEXAS

Angelina and Nacogdoches Counties.--Heavy pumping for a paper mill, which began to operate in 1939 in the vicinity of Lufkin, caused the water levels in deep wells tapping the Carrizo sand in Angelina and Nacogdoches Counties to decline from 1939 through the spring and summer of 1941, the amount of decline in the several observation wells varying with the distance of each from the center of pumping. Because the pumping near Lufkin has been at a nearly constant rate since 1939, the water levels in these wells have reached essential equilibrium as far as the effect of the pumping is concerned, and the water levels have become more or less stabilized. During the latter part of 1941 and the entire year of 1942, there was no further marked decline. In some of the wells the water levels rose slightly during the latter part of 1942.

588859 O—44——6

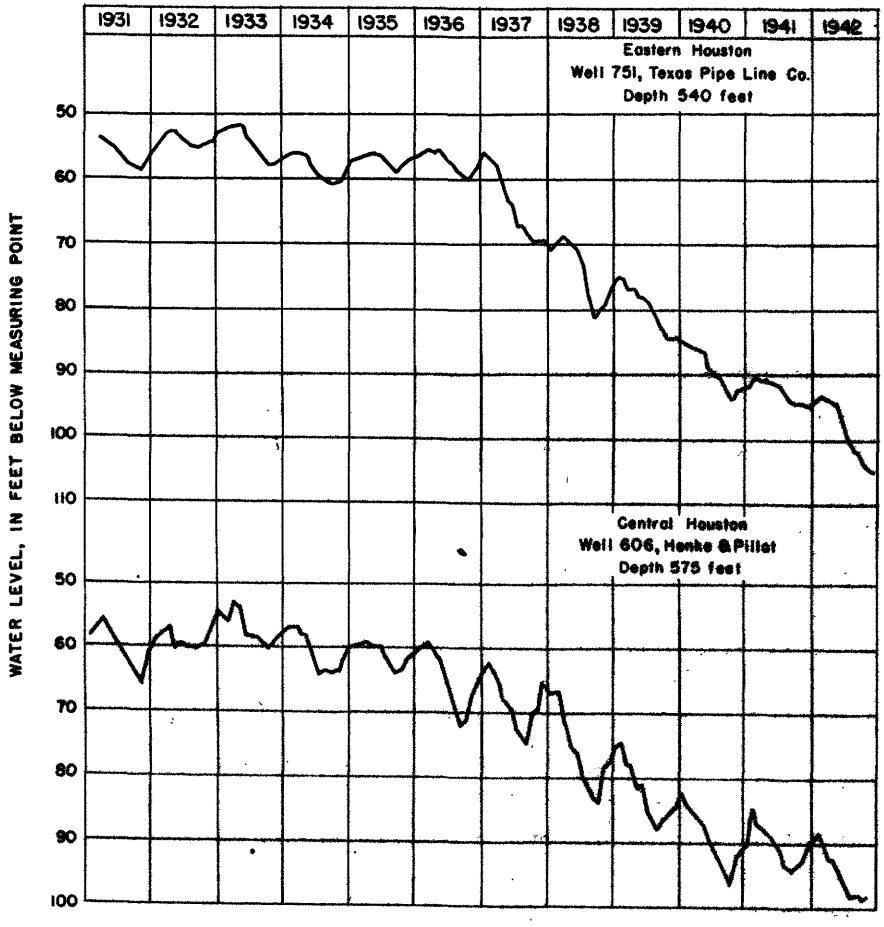

Figure 12.--Graphs showing fluctuations of water levels in wells in the Houston area, Tex.

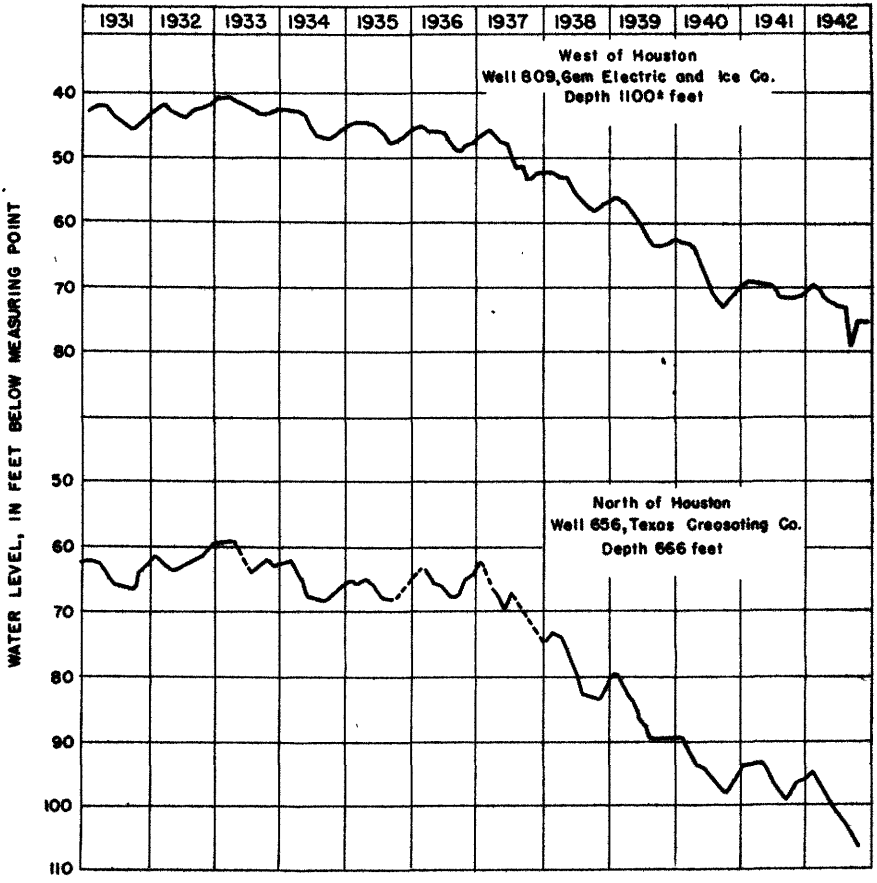

Figure 13.--Graphs showing fluctuations of water levels in wells in the Houston area, Tex.

The fluctuation of water levels in three of the wells is shown in figure 14. One of these, (well 113A) is about 7 miles northeast of Nacogdoches and beyond the influence of heavy pumping. The other two (wells 168 and 169) are in Angelina County, near the heavy pumping at Lufkin.

HIGH PLAINS

The High Plains in Texas occupy an area of about 35,000 square miles, which extends from the northern boundary of the Panhandle southwest about 300 miles and from the Texas-New Mexico State line eastward an average distance of about 120 miles, to a boundary that is sharply defined in most places by a bold escarpment several hundred feet high.

Irrigation by means of wells in the High Plains of Texas was begun near Plainview, Hereford, and Muleshoe more than 30 years ago. Following are estimates of the total number of wells pumped and the total acreage irrigated by them during the years 1937-40:

Year	Wells	Acres
1937	1,150	160,000
1938	1,500	200,000
1939	1,700	230,000
1940	2,100	280,000

It is estimated that the total pumpage for irrigation in 1940 was probably about 190,000 acre-feet. In 1941 about 380 new wells were drilled, but the pumpage for irrigation was probably not more than 50,000 acre-feet. In 1942 about 116 new irrigation wells were drilled, making an estimated total of 2,680 on the High Plains, from which about 50,000 acre-feet of water was pumped.

The following discussion of the fluctuation of water levels in wells in the High Plains is quoted from a report issued in 1943 by the Texas State Board of Water Engineers:

Fluctuations of water levels in pumping districts

In general in the pumping districts it has been found that the most dependable information regarding the stage of the underground reservoirs is obtained by comparing measurements made in successive years in the early spring, just before the start of heavy pumping. The statements given below regarding the decline or rise in water levels from 1938 to 1943 are based mostly on a comparison of measurements made in March. In some cases January and February measurements were used.

1/ Alexander, W. H., Jr., Broadhurst, W. L., and White, W. N., Progress report on ground water in the High Plains in Texas: Texas State Board of Water Engineers, April 1943. (Mimeographed.)

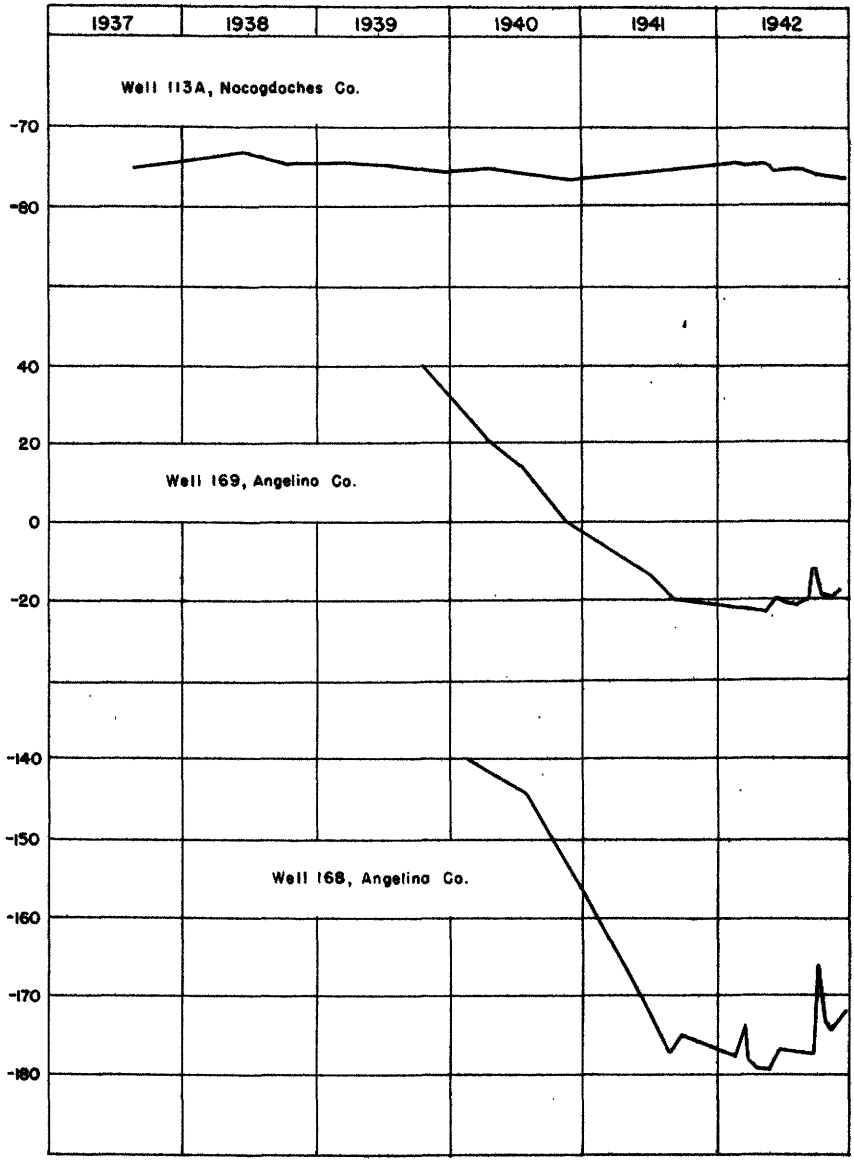

Figure 14.--Graphs showing fluctuations of water levels in wells in the Lufkin area, Tex.

There was a general decline of the water table in all the pumping districts of the High Plains from 1938 to 1941. This was followed by a general rise during the summer and fall of 1941 and the spring of 1942 as a result of the exceptionally high rainfall and light pumping in 1941. Except in localities of large recharge the greatest rise occurred in the areas where the pumping had been heaviest, and in such areas a part of this rise doubtless was due to the fact that the pumping in 1941 was light and ground water moved in from outlying unpumped areas. However a considerable part of the rise can be attributed to recharge, which probably was greater than it has been in any year since 1915 and several times the recharge in most years. In 1942 the pumping again was light and there was comparatively little net change in water levels.

Plainview district

The records of water levels in 56 representative observation wells in the Plainview district have been selected as a basis for computing the rise and fall and net change in water levels in the district from 1938 to 1943. These wells are fairly well distributed over about 1,000 square miles, comprising areas of both heavy and light pumping. Partial records of 40 representative wells show the trend throughout the greater part of the district. None of the wells are near known areas of important recharge. The records show a decline of water levels in the wells of the district ranging from a fraction of a foot to 6 feet and averaging 2.7 feet. The greatest decline, averaging about 4 feet, occurred in the heavily pumped areas in the central and east-central parts of the district. In areas of moderate and light pumping the average decline was about 2 feet.

Rise of water levels from 1941 to 1942.--The records show an average rise of 2.0 feet in the district from March 1941 to February 1943.

Net change in water levels from 1938 to 1943.--The records show an average net decline of 1.1 feet in the district from March 1938 to February 1943. In areas of heaviest pumping the average decline was 2.1 feet, and in areas of moderate pumping it was 1.1 feet. In a few wells in areas of very light pumping the water levels were as high in 1943 as they were in 1938, or slightly higher.

Net change in water levels from 1934 to 1943.--All 7 wells that were measured in the Plainview district in 1934 are in areas of rather heavy pumping. These wells showed a decline from April 1934 to March 1941 ranging from 3 feet to 9.9 feet and averaging 5.7 feet, a rise from March 1941 to February 1943 ranging from 0.2 foot to 3.1 feet and averaging 1.8 feet, and a net decline between 1934 and February 1943 averaging 3.9 feet. * * *.

Net change in water levels from 1914 to 1943.--Of the 11 wells that were measured in 1914 six are located in areas of heavy pumping. These wells showed a net decline from 1914 to February 1943 ranging from 7.9 feet to 14.4 feet and averaging 10.1 feet. Three of the wells are in areas of moderate pumping but are less than a mile from White River, which flows through Plainview and in wet years contributes substantially to the subterranean reservoir. One of the wells showed a net rise of 6.9 feet, another a net decline of 2.0 feet, and the third a net decline of 2.5 feet from 1914 to February 1943. Two wells are in areas of light pumping west and south of Plainview. One showed a net decline of 0.1 foot and the other a net decline of 2.5 feet from 1914 to February 1943

Hereford district

Decline of water levels from 1938 to 1941.--The records of 48 observation wells have been selected as a basis for computing the rise and fall and net change in water levels in the Hereford pumping district from 1938 to 1943. These wells are fairly well distributed over an area of about 400 square miles, comprising most of the district. * * * None of the 48 wells is near known areas of important recharge. All of the wells showed a decline in water level from 1938 to March 1941, the decline ranging from a fraction of a foot to about 6 feet and averaging 2.9 feet. The greatest

average decline, 3.1 feet, occurred in the heavily pumped areas in the central and southern parts of the district. In the northern part of the district the average decline was about 2.5 feet.

Rise of water levels from 1941 to 1943.--The records show an average rise of 2.2 feet in the Hereford district from March 1941 to February 1943.

Net change in water levels from 1938 to 1943.--The observation wells showed an average net decline of 0.7 foot in the Hereford pumping district from 1938 to February 1943. The average decline was 1.1 feet in areas of heavy pumping and 0.5 foot in areas of moderate to light pumping.

Net change in water levels from 1934 to 1943.--Three of the observation wells in the Hereford district located in areas that are rather heavily pumped were measured in 1934. Two of them showed the same net decline, 2.1 feet, from 1934 to February 1943. The third showed a net rise of 5.7 feet from 1934 to February 1943. * * *

Net change in water levels from 1914 to 1943.--One observation well in an area of heavy pumping was measured in 1914. This well showed a decline of 8.5 feet from 1914 to 1941, a rise of 0.8 foot from 1941 to 1943, and a net decline of 7.7 feet from 1914 to 1943.

Muleshoe district

Thirty-six observation wells distributed fairly evenly over the Muleshoe district showed an average decline of 1.6 feet from March 1938 to March 1941, an average rise of 8.0 feet from March 1941 to February 1943, and a net rise, therefore, of 6.4 feet from 1938 to 1943. * * *

Lubbock-Littlefield district

The records of 26 well-distributed observation wells that are at considerable distances from any known areas of important intake were selected for computing the changes in water levels in the Lubbock-Littlefield pumping district. These wells showed a decline from the spring of 1938 to the spring of 1941 ranging from .05 foot to 5.39 feet and averaging 1.6 feet, and a rise from the spring of 1941 to the spring of 1943 ranging from 1.11 feet to about 8 feet and averaging 3.9 feet. This represents a net average rise of 2.3 feet.

Texline district

Records of observation wells in the Texline district show little change in water levels from the spring of 1937 to the fall of 1941. No records are available for 1942 and 1943.

Fluctuations of water levels in wells near areas of intake

Most of the observation wells in the High Plains which are near areas of intake (stream beds, depression ponds, and sand dunes) are in the irrigated districts or closely adjacent to them and are affected to some extent by the pumping. Such wells showed a more or less persistent downward trend from 1938 to the spring of 1941, the average in their principal districts being Plainview, 4.1 feet, and Hereford, 2.1 feet. In contrast to this, very little change or a slight net rise was shown during the same period by a few observation wells near areas of intake in localities which border the irrigated districts but are far enough away to be not appreciably affected by the pumping. All the observation wells near areas of intake in the irrigation districts showed a sharp rise in water levels from the spring of 1941 to the spring of 1942, the average rise being as follows: Plainview district, 5.2 feet (25 wells); Hereford district, 2 feet (8 wells); Lubbock-Littlefield district, 5.1 feet (20 wells). Most of these wells continued to rise slowly during 1942, but a few showed a small decline.

Fluctuations of water levels in wells remote from pumping districts and areas of intake

Of 36 observation wells in 12 counties that are remote from both the pumping districts and known areas of intake, 23 wells showed a small net rise and 13 a small net decline from 1937 or 1938 to 1941. The algebraic sum of the net change in all 36 wells gives a rise of about 0.3 foot. From 1941 to 1943 these same wells showed an average rise of about 1.9 feet.

WEST TEXAS

Loving, Reeves, and Ward Counties.--The principal water-bearing formations in this area are the Rustler limestone, of Permian age; sandstones of Triassic age; limestones and sandstones of Lower Cretaceous age; and conglomeratic alluvial deposits of sand and gravel, which have been subdivided by geologists into the older and the younger alluvium.

Although it is rather highly mineralized, some water from the Rustler limestone is usable for stock and irrigation. The cities of Pecos and Barstow and several industrial plants and oil fields in east-central Ward County obtain water from the Triassic sandstones. Limestones and sandstones of Lower Cretaceous age supply the several large springs, notably San Solomon Spring, and Phantom Lake, in southeastern Reeves County, and Santa Rosa, Comanche, and Leon Springs, in Pecos County. The water from these springs is used to irrigate approximately 16,000 acres of land.

The older alluvium is believed to have been deposited in depressions of various sizes resulting from the solution of soluble rocks in underlying formations older than the Rustler. This alluvium is more than 1,500 feet thick in some places, but it thickens and thins rapidly within short distances. The Pecos artesian aquifer, which is made up of one to several beds of sand and gravel of the older alluvium, contains highly mineralized water and extends several miles west and southwest of Pecos. Much of the irrigation in the vicinity of Pecos depends on water from this alluvium. In 1940, about 11,000 acre-feet of water was used to irrigate about 2,460 acres of land near Pecos.

The younger alluvium, averaging 25 feet or less in thickness, underlies the Pecos River flood plain and the lower terraces. In most places it is rather permeable and rapidly absorbs water applied for irrigation.

Loving County.--In seven observation wells water levels were from 1 to 11 feet higher in the spring and fall of 1942 than they were in the spring and fall of 1941.

Reeves County.--Water-stage recorders were maintained on several wells in Reeves County, and the records show that during the 1942 season the water levels were lowest during the latter part of July, all of August, and the early part of September. In other observation wells in the county for which measurements in 1942 are available, the water levels in February and December were at nearly the same stages as they were in February and December of 1941.

Ward County.--The water levels in wells in Ward County were generally somewhat higher in the spring of 1942 than in the spring of 1941; in the winters of the two years their averages were about equal.

WELL DESCRIPTIONS AND WATER-LEVEL MEASUREMENTS

Observation wells in Texas are listed alphabetically by counties and numerically within each county. Complete descriptions are given for only newly added wells. The numbers in parentheses immediately following a well number indicate the water-supply papers in which earlier records of that well are given and the pages on which they appear. An asterisk indicates that a description of the well is given in the paper so marked. For most counties in Texas in which wells have been observed, the water level is expressed in feet and referred to a fixed measuring point. For wells in El Paso County, the water level is expressed in feet above mean sea level.

Angelina County

Well numbers correspond to those in Water-Supply Papers 840, 845, 849-A, 886, 909, and 939.

1 (*909, p. 84; 939, p. 71). Mr. McKnight. In valley, 14.35 miles northwest of Lufkin.

Water level, in feet above measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14	10.5	July 22	9.8	Sept. 2	9.9	Nov. 15	9.9
21	10.5	Aug. 19	10.5	Oct. 18	9.9		

3 (*840, p. 378; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

5 (*840, p. 378; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

13 (*840, p. 378; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

43 (*840, p. 378;845, p. 446; 886, p. 655; 909, p. 84; 939, p. 71). W. A. Collmorgan. 3.5 miles north of Lufkin.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Sept. 1, 1941	58.63	Apr. 23, 1942	63.10	Sept.26, 1942	57.85
10	53.74	May 12	63.05	29	56.33
20	55.61	22	63.64	Oct. 1	55.58
Feb. 4, 1942	58.99	June 2	63.01	3	56.15
23	60.74	July 23	64.21	17	57.81
Mar. 18	60.74	Aug. 5	61.39	31	57.88
26	60.56	19	60.72	Dec. 11	58.56
Apr. 1	61.54	Sept.21	59.59	26	56.72
16	60.58	24	59.13		

45 (*840, p. 378; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

47 (*840, p. 378; 845, p. 446; 909, p. 84). No measurements made in 1942.

50 (*886, p. 655). No measurements made in 1942.

53 (*840, p. 379; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

56 (*840, p. 379; 845, p. 446; 886, p. 655; 909, p. 84). No measurements made in 1942.

73 (*909, p. 84; 939, p. 71). No measurements made in 1942.

168 (*909, p. 85; 939, p. 71). City of Lufkin. About 300 feet west of Redland School.

Water level, in feet below measuring point, 1941-42

Aug. 29, 1941	177.39	Mar. 24, 1942	176.49	June 24, 1942	176.55
Sept. 9	165.58	31	178.19	Sept.21	177.28
19	175.35	Apr. 14	179.41	Oct. 4	186.64
Feb. 24, 1942	177.86	22	179.12	18	175.43
Mar. 5	173.60	May 23	179.62	Nov. 1	174.22
10	176.12	June 2	176.98	Dec. 13	172.10
17	177.03	17	176.97		

169 (*909, p. 85; 939, p. 71). Gulf Pipe Line Co. 2.75 miles northwest of Redland.

Water level, in feet below measuring point, 1941-42

Sept.10, 1941	11.18	Sept.21, 1942	19.53	Oct. 4, 1942	14.30
20	16.55	24	18.20	17	18.32
May 22, 1942	22.74	26	15.91	31	17.50
June 16	19.66	29	12.87	Nov. 13	18.51
July 21	20.08	Oct. 1	12.60	Dec. 11	17.10
Aug. 4	20.75				

170. Owner's number W-1-HN. Southland Paper Mills, Inc. 13 miles northeast of Lufkin. Unused drilled test well, diameter 2 inches, screen at 860-865 and 886-891 feet. Measuring point, top of casing, 2.0 feet above land surface and 174 feet above mean sea level.

Water level, in feet above measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1941	80.9	July 22, 1942	79.7	Sept.26, 1942	79.0
Feb. 5, 1942	85.5	Aug. 4	80.4	29	78.6
17	84.9	18	79.0	Oct. 1	78.6
25	82.0	Sept. 1	79.0	17	79.0
Mar. 24	82.8	21	79.0	29	78.6
Apr. 1	82.0	24	79.0	Nov. 15	78.6
28	81.5				

171. Owner's number C-1-HN. Southland Paper Mills, Inc. 13 miles northeast of Lufkin. Unused drilled test well, diameter 2 inches, screen from 751 to 756 feet. Measuring point, top of casing, 2.5 feet above land surface and 174 feet above mean sea level.

Water level, in feet above measuring point, 1941-42

Oct. 22, 1941	69.4	July 22, 1942	60.3	Sept.26, 1942	60.3
Feb. 5, 1942	65.0	Aug. 4	60.1	29	59.8
17	64.7	18	60.1	Oct. 1	60.1
25	65.3	Sept. 1	60.1	17	60.1
Mar. 24	62.2	21	59.8	29	57.7
Apr. 1	63.5	24	58.9	Nov. 13	57.7
28	61.2				

172. Owner's number S-1-HN. Southland Paper Mills, Inc. 13 miles northeast of Lufkin. Unused drilled test well, diameter 2 inches, screen at 197-202 and 286-291 feet. Measuring point, top of casing, 2.0 feet above land surface and 174 feet above mean sea level.

Water level, in feet above measuring point, 1941-42

Oct. 22, 1941	30.0	Apr. 28, 1942	28.6	Sept.24, 1942	26.8
Feb. 5, 1942	27.7	July 22	25.6	26	26.7
17	29.6	Aug. 4	26.8	Oct. 1	26.6
25	27.7	18	26.6	17	26.6
Mar. 24	28.3	Sept. 1	27.2	29	26.6
Apr. 1	27.7	21	27.2	Nov. 13	25.9

173. Owner's west well of group A. Southland Paper Mills, Inc. 8 miles northeast of Lufkin. Unused drilled test well, diameter 2 inches, depth 96 feet. Measuring point, top of casing, 3.7 feet above land surface.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16	4.69	Mar. 26	5.12	May 6	3.43	Oct. 15	6.41
21	5.00	Apr. 1	5.18	July 23	7.11	28	7.03
Mar. 13	4.29	16	3.96	Aug. 17	8.90	Nov. 14	8.09
19	4.17	22	3.38	Sept.26	6.85	Dec. 9	8.22

174. Owner's east well of group A. Southland Paper Mills, Inc. 8 miles northeast of Lufkin. Unused drilled test well, diameter 2 inches, depth 532 feet. Measuring point, top of casing, 2.8 feet above land surface.

Water level, in feet below measuring point, 1942

July 23	4.68	Sept.26	4.38	Oct. 28	5.00	Dec. 9	5.75
Aug. 17	6.45	Oct. 15	4.59	Nov. 14	5.64		

Aransas County

35 (*909, p. 85; 939, p. 71). W. S. Kirby. On west side of State Highway 35, in northeast edge of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 30, 7.65; June 26, 8.14.

46 (*909, p. 85; 939, p. 71). R. R. Barber. In Estes, on northwest side of State Highway 35, 5.25 miles southwest of Rockport. Water levels, in feet below measuring point, 1942: Jan. 22, 8.89; June 26, 9.68.

59 (*909, p. 85; 939, p. 71). E. F. Barber. 5.5 miles west of Rockport. Water levels, in feet below measuring point, 1942: Jan. 23, 9.85; June 26, 9.80.

77 (*909, p. 85; 939, p. 71). H. G. Smith. 0.5 mile southwest of center of Rockport, in southwest edge of Rockport. Water levels, in feet below measuring point, 1942: Jan. 20, 5.64; June 26, 6.52.

244 (*909, p. 85; 939, p. 71). Willie Owens. 0.6 mile northeast of Oak Grove School. Water levels, in feet below measuring point, 1942: Jan. 22, 12.01; June 26, 11.99.

247 (*909, p. 85; 939, p. 72). G. M. Broach. 0.6 mile west of State Highway 35 on Bayside road, 60 feet north-northeast of windmill well. Water level, in feet below measuring point, 1942: Jan. 22, 4.92.

Bailey County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

5a (*840, p. 379; 845, p. 446; 886, p. 656; 909, p. 86; 939, p. 72). Gus Schrader. NW¼NE¼ sec. 3, blk. Z, 10 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 54.65; July 29, 59.92.

9 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Jim Ellis. NE¼NW¼ sec. 21, blk. Z, 10.5 miles west of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 37.44; Nov. 30, 37.10.

11 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Tom Smith. NE¼SW¼ sec. 22, blk. Z, 10.5 miles west of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 21.0; Nov. 30, 21.2.

21a (*886, p. 656; 909, p. 86; 939, p. 72). Mrs. J. W. Gregory, Sr. NW¼NW¼ sec. 6, blk. X, 8 miles west of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 19.23; Nov. 30, 19.54.

25 (*840, p. 379; 845, p. 656; 909, p. 86; 939, p. 72). C. A. Wagner. NW. corner SE¼ sec. 6, blk. Z, 8 miles west of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 15.42; Nov. 30, 15.56.

31 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86). J. H. Farley. NW. corner NW¼ sec. 10, blk. X, 6.5 miles west of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 8.5; Nov. 30, 9.5.

33 (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Mrs. J. W. Gregory. NW. corner SW¼ sec. 12, blk. X, 7 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 27.45; Nov. 30, 28.11.

34a (*840, p. 379; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Owner unknown. NE¼NE¼ sec. 20, blk. X, 6 miles northwest of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 41.84; July 29, 41.60.

35a (*886, p. 656; 909, p. 86; 939, p. 72). No measurements made in 1942.

36 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). J. M. Murrah. NE¼NW¼ sec. 23, blk. X, 4.75 miles northwest of Muleshoe. Water level, in feet below measuring point, 1942: Mar. 17, 12.5.

38 (*840, p. 380; 845, p. 447). No measurements made in 1942.

45 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). H. M. Schofner. NW¼SW¼ sec. 32, blk. Y, 2.25 miles northwest of Muleshoe. Water level, in feet below measuring point, 1942: Mar. 17, 12.38.

49 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Jess Mitchell. NW. corner NE¼SE¼ sec. 33, blk. X, 3.75 miles northwest of Muleshoe. Water level, in feet below measuring point, 1942: Mar. 17, 18.14.

53 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). W. B. Gwyn, Sr. NE¼SE¼ sec. 22, blk. Y, 3.25 miles northwest of Muleshoe. Water level, in feet below measuring point, 1942: Mar. 17, 18.29.

62 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Levi Churchill. NW. corner SE¼ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 15.64; Nov. 30, 15.75.

63 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 72). Sam Gorrell. NW. corner SW¼ sec. 42, blk. Y, 2.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 18.27; Nov. 30, 18.30.

66 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73). J. L. Wallace. NW. corner NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 14.14; Nov. 30, 13.48.

67 (*840, p. 380; 845, p. 447; 886, p. 656; 909, p. 86; 939, p. 73). I. W. Hardin. NW. corner NE¼NE¼ sec. 41, blk. Y, 2.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 12.43; Nov. 30, 11.98.

69 (*840, p. 381; 845, p. 447; 886, p. 657; 909, p. 87; 939, p. 73). E. R. Hart. NW¼SW¼ sec. 52, blk. Y, 1.75 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 16, 8.79; Nov. 30, 8.35.

79 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). D. E. Cox. SW. corner NW¼ sec. 53, blk. Y, 1 mile north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 20, 17.08; Nov. 30, 18.00.

92 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). L. H. McConnell. NW¼NE¼ sec. 51, blk. Y, 3.25 miles north of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 15.27; Nov. 30, 15.33.

95 (*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). E. R. Hart. NW. corner NW¼ sec. 71, blk. Y, 4 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 18.74; Nov. 30, 18.67.

108.(*840, p. 381; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). T. L. Mounce. NW. corner SE¼NE¼ sec. 31, blk. W, 7 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 16, 30.46; Nov. 30, 29.54.

116 (*840, p. 381; 886, p. 657; 909, p. 87; 939, p. 73). E. R. Hart; previously reported as owned by C. B. Huggins. NW¼NE¼SW¼ sec. 32, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 20, 17.73; Nov. 30, 15.30.

117 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). H. L. Dempster. NW. corner NW¼ sec. 32, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 31.28; July 3, 30.88; Nov. 30, 29.80.

120 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). I. F. Wilman. NW. corner SW¼ sec. 83, blk. Y, 5 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 20.50; Nov. 30, 20.53.

129 (*840, p. 382). No measurements made in 1942.

130 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). E. R. Hart. NW. corner NE¼SE¼ sec. 33, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet above measuring point, 1942: Mar. 17, 6.83; Nov. 30, 6.84.

131 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). R. D. Precure. NW. corner SW¼ sec. 34, blk. W, 6 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 12.60; Nov. 30, 12.44.

132 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 73). J. A. Ryan. NW. corner SE¼ sec. 34, blk. W, 6.5 miles northeast of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 17, 13.87; Nov. 30, 13.54.

135 (*840, p. 382; 845, p. 448; 886, p. 657; 939, p. 73). C. H. Lehew. NW¼SW¼ sec. 47, blk. W, 6 miles east of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 16, 8.51; Nov. 30, 9.73.

136 (*840, p. 382; 845, p. 448; 886, p. 657; 909, p. 87; 939, p. 74). C. A. Barnett. NW. corner SE¼ sec. 48, blk. W, 5.5 miles east of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 16, 7.80; July 3, 9.37; Nov. 30, 8.39.

137 (*840, p. 383; 845, p.448; 886, p. 657; 909, p. 87; 939, p. 74). C. H. Whitehead. NW. corner SW¼ sec. 48, blk. W, 4.75 miles east of Muleshoe. Water levels, in feet above measuring point, 1942: Mar. 16, 2.90; Nov. 30, 2.66.

141 (*840, p. 383; 845, p. 448; 886, p. 657; 939, p. 74). L. L. Lowery. SW. corner NW¼ sec. 49, blk. W, 4.5 miles east of Muleshoe. Water levels, in feet above measuring point, 1942: Mar. 16, 4.32; Nov. 30, 2.80.

151a (*909, p. 88). Measurements discontinued.

201a (*909, p. 88; 939, p. 74). Halsell Land & Cattle Co. NW¼ lab.19, lge. 189, Ector County School land, 5 miles south and 1.5 miles west of Muleshoe. Water level, in feet below measuring point, 1942: Mar. 20, 37.74.

205 (*840, p. 383; 845, p. 448; 886, p. 657; 909, p. 89; 939, p. 74). No measurements made in 1942.

207 (*840, p. 383; 845, p. 449; 886, p. 657; 909, p. 89; 939, p. 74). Mr. Whittington. SE¼ lab. 22, lge. 188, 8 miles south of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 20, 92.86; July 29, pumping.

322 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 89). No measurements made in 1942.

324a (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 89; 939, p. 74). Foard County School land. NW¼ lab. 15, lge. 192, 9 miles south of Muleshoe. Water levels, in feet below measuring point, 1942: Mar. 20, 99.79; July 29, 99.50.

355 (*840, p. 384; 845, p. 449). No measurements made in 1942.

430 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 90; 939, p. 74). Measurements discontinued.

435 (*840, p. 384; 845, p. 449; 886, p. 658; 909, p. 90; 939, p. 74). I. C. Enochs. SE¼ lab. 69, lge. 182, 9 miles southeast from Baileyboro. Water level, in feet below measuring point, 1942: July 29, 19.60.

Bexar County

Well numbers correspond to those in Water-Supply Papers 777, 817, 840, 845, 886, 909, and 939.

15 (*777, p. 179; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 658; 909, p. 90; 939, p. 75). Robert Mechler. 6 miles east of Castroville. Water levels, in feet below measuring point, 1942: Apr. 6, 115.89; Aug. 4, 118.43; Nov. 30, 107.27.

26 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 90; 939, p. 75). Fuller's earth plant. 13.5 miles west of San Antonio. Water levels, in feet below measuring point, 1942: Apr. 6, 101.38; Aug. 4, 103.85; Nov. 30, 92.68.

28 (*777, p. 181; 817, p. 322; 840, p. 385; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75). Robert Boenig. 8 miles west of San Antonio. Water levels, in feet below measuring point, 1942: Apr. 6, 61.44; Aug. 4, 63.94; Dec. 3, 53.36.

XB-1 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75). Oscar Schievelbein. 11 miles west of San Antonio. Water levels, in feet below measuring point, 1942: Apr. 8, 115.57; Aug. 4, 118.57; Nov. 30, 107.51.

XB-2 (*840, p. 386; 845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75). Oscar Bippert. 18 miles west of San Antonio. Water levels, in feet below measuring point, 1942: Apr. 8, 67.34; Aug. 4, 70.37; Dec. 3, 59.59.

XB-3 (*845, p. 450; 886, p. 659; 909, p. 91; 939, p. 75). Beitel Church. 8 miles northeast of San Antonio. Water levels, in feet below measuring point, 1942: Apr. 9, 50.61; Aug. 3, 54.15; Dec. 3, 44.58.

XB-4 (*845, p. 451; 886, p. 659; 909, p. 91; 939, p. 75). Simon and Borgfield. At gin in Converse. Water level, in feet below measuring point, 1942: Apr. 9, 37.10. Measurements discontinued.

436 (*909, p. 91; 939, p. 75). Beverly Lodges. At Beverly Lodges tourist court in northeast part of San Antonio.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.85	48.14	47.92	49.36	48.29	49.44	52.50	52.36	52.84	48.21	39.51	.....
2	46.98	48.05	48.00	49.48	48.36	49.67	52.35	52.42	52.77	48.39	39.49	.....
3	47.10	48.22	48.00	49.59	48.44	49.88	52.40	52.23	52.84	48.49	39.79	.....
4	47.13	48.30	47.90	49.68	48.27	50.07	52.27	52.47	52.58	47.98	39.90	42.88
5	47.21	48.18	48.10	49.66	48.29	50.17	52.04	52.67	50.74	44.81	39.97	42.90
6	47.27	48.21	48.13	.....	48.39	49.75	50.40	52.86	50.16	43.93	40.19	43.06
7	47.25	48.35	48.11	.....	48.50	49.37	49.57	52.86	49.92	43.40	40.34	42.95
8	47.37	48.38	48.33	.....	48.30	49.20	49.25	53.01	49.62	43.12	40.39	43.13
9	47.35	48.15	48.30	48.63	48.33	49.17	49.17	52.99	47.86	42.92	40.37	43.20
10	47.53	48.42	48.39	48.29	48.40	49.23	49.23	52.86	46.92	42.95	40.67	43.29
11	47.54	48.26	48.44	48.14	48.32	49.41	49.51	53.20	46.42	42.87	40.86	43.26
12	47.39	48.35	48.54	48.09	48.27	49.59	49.76	53.44	46.19	42.72	40.98	43.43
13	47.58	48.40	48.69	47.89	48.35	49.95	49.78	53.63	46.09	42.88	41.10	43.46
14	47.64	48.40	48.77	48.07	48.66	50.19	50.17	53.86	45.93	43.07	41.32	43.47
15	47.72	48.05	48.71	48.26	48.88	50.08	50.34	53.81	46.01	43.17	41.32	43.51
16	47.65	47.79	48.56	48.43	48.90	50.45	50.66	53.46	46.17	42.53	41.20	43.66
17	47.69	47.73	48.90	48.44	48.93	50.37	50.83	52.90	46.35	42.07	41.53	43.74
18	47.67	47.77	49.09	48.50	48.75	50.55	50.98	53.07	46.52	41.67	41.75	43.81
19	47.62	47.97	49.14	48.45	49.00	50.72	51.06	53.24	46.72	39.94	41.86	43.82
20	47.73	47.93	49.07	48.34	48.85	50.83	50.92	53.32	46.88	39.50	41.92	43.87
21	47.82	48.02	49.22	48.57	48.78	50.95	51.34	53.52	46.64	39.06	41.98	43.72
22	47.83	47.94	49.24	48.64	48.67	50.85	51.66	53.34	46.80	38.82	41.97	43.80
23	47.86	47.65	49.09	48.85	48.74	51.00	51.37	53.35	47.00	38.76	41.86	43.89
24	47.92	47.82	49.21	48.55	48.83	51.13	51.48	53.26	47.28	38.72	41.94	43.92
25	47.90	47.92	49.05	48.50	48.70	51.31	51.60	53.57	47.48	38.70	41.94	43.95
26	47.72	47.91	49.05	48.24	48.94	51.27	51.68	53.72	47.60	38.82	42.19	43.78
27	47.88	48.07	49.07	48.00	48.95	51.25	51.66	53.92	47.60	38.88	42.27	43.95
28	48.03	48.03	49.18	48.05	49.17	51.21	51.87	54.02	47.50	38.90	42.27	44.07

436. Beverly Lodges--Continued.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
29	48.02	.....	49.29	48.17	49.25	51.20	52.10	54.14	47.87	39.09	42.38	44.13
30	47.95	.....	49.20	48.20	49.49	51.65	52.15	53.32	47.99	39.24	42.34	44.20
31	48.11	.....	49.43	.....	49.54	.....	52.30	52.94	.....	39.40	.....	44.33
Av.	47.60	48.09	48.71	48.56	48.70	50.33	51.04	53.20	48.11	42.03	41.19	43.61

Castro County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

4 (*840, p. 387; 845, p. 454; 886, p. 661, 909, p. 98). No measurements made in 1942.

8 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). S. P. Rosson. NW. corner SW¼NW¼ sec. 125, blk. M7, 4.5 miles southeast of Summerfield. Water levels, in feet below measuring point, 1942: Feb. 4, 73.44; Nov. 27, 72.83.

12 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). L. B. Holland. SW. corner SW¼NW¼ sec. 128, blk. M7, 3.75 miles east of Summerfield. Water levels, in feet below measuring point, 1942: Sept. 18, 102.23; Nov. 27, 102.12.

18 (*845, p. 454; 886, p. 661; 939, p. 78). Frio Public School. NE. corner NE¼ sec. 118, blk. M7, 11.5 miles northwest of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 68.74; Nov. 27, 67.90.

20 (*840, p. 387; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). A. C. Hawks. NW. corner NW¼NE¼ sec. 97, blk. M7, 8 miles east of Summerfield and 1.7 miles southeast of Frio Public School. Water levels, in feet below measuring point, 1942: Feb. 4, 73.87; Nov. 27, 72.41.

31 (*840, p. 388; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). T. L. Sparkman, Jr. NW. corner SE¼SW¼ sec. 74, blk. M7, 3 miles south of Deaf Smith-Castro County line and 1.75 miles west of State Highway 51. Water level, in feet below measuring point, 1942: Nov. 27, 61.22.

32 (*840, p. 388; 845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). W. A. Springer. SW¼NW¼NW¼ sec. 81, blk. M7, 8 miles east of Summerfield and 2 miles east of Frio Public School. Water levels, in feet below measuring point, 1942: Feb. 4, 63.22; Nov. 27, 62.68.

36 (*845, p. 454; 886, p. 661; 909, p.98; 939, p. 78). M. C. Hancock. SW¼NE¼ sec. 72, blk. M7, 12 miles north of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 86.51; Nov. 27, 83.24.

40 (*845, p. 454; 886, p. 661; 909, p. 98; 939, p. 78). W. W. Adams. NW¼SW¼ sec. 51, blk. M7, 10 miles north of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 66.20; Nov. 27, 65.32.

46 (*845, p. 454; 886, p. 662; 909, p. 98; 939, p. 78). Edwin Mauk. SW. corner SW¼ sec. 54, blk. M7, 7 miles north of Dimmitt. Water level, in feet below measuring point, 1942: Feb. 4, 76.58.

48 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). J. M. Richardson. NW. corner NW¼ sec. 30, blk. M7, 13.2 miles east of Summerfield. Water levels, in feet below measuring point, 1942: Feb. 4, 62.30; Nov. 27, 60.46.

52 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). C. G. Maples. NW¼NE¼ sec. 1, blk. M10A, 6.5 miles north of Dimmitt. Water levels, in feet below measuring point, 1942: Sept. 17, 78.12; Nov. 27, 74.92.

53 (*840, p. 388; 845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). W. A. Hunter. SW. corner SW¼NW¼ sec. 52, blk. M7, 11 miles east of Summerfield. Water levels, in feet below measuring point, 1942: Feb. 4, 61.11; July 3, 62.11; Nov. 24, 59.60.

57 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). E. S. Ireland. SE¼SW¼SE¼ sec. 33, blk. M7, 6 miles north of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 77.48; Nov. 27, pumping.

58 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). Owner unknown. SW¼SW¼ sec. 2, J. E. Tucker subdivision, 2 miles northeast of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 153.97; Aug. 3, 153.80; Nov. 27, 153.50.

90a. McGehee and Hupp. NW¼SE¼ sec. 57, blk. M7, 7 miles north of Dimmitt. Drilled irrigation well, diameter 18 inches, depth 169 feet. Measuring point, bottom edge of port hole on north side of pump, 0.8 foot above concrete foundation and 1.8 feet above land surface. Water levels, in feet below measuring point, 1942: Sept. 16, 70.82; Nov. 27, 69.68.

201 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). J. C. Holman. NW¼NE¼ sec. 339, blk. M6, 6.5 miles east of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 152.96; Aug. 3, 152.79; Nov. 27, 152.68.

202 (*845, p. 455; 886, p. 662; 909, p. 98; 939, p. 78). Frank Huseman. SW¼NW¼NE¼ sec. 222, blk. M6, 11 miles east of Dimmitt. Water levels, in feet below measuring point, 1942: Feb. 4, 104.40; Aug. 3, 103.70; Nov. 27, 103.42.

Cochran County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

1 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 79). Beck Gin Co. Northeastern edge of Whiteface. Water level, in feet below measuring point, 1942: July 29, 151.05.

5 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 79). No measurements made in 1942.

10 (*840, p. 390; 845, p. 456; 886, p. 663; 909, p. 100; 939, p. 79). No measurements made in 1942.

11 (*840, p. 390; 845, p. 456; 886, p. 663). No measurements made in 1942.

11a. John W. Lynch. NW¼NW¼ sec. 29, lge. 105, 6.5 miles north of Morton. Unused drilled irrigation well, diameter 20 inches, depth 185 feet. Measuring point, top of concrete well curbing, 0.6 foot above land surface. Water level, in feet below measuring point, 1942: July 29, 82.76.

Comal County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

117 (*886, p. 663; 909, p. 100; 939, p. 79). Alfred Beierle. Elias Flint survey, 3.5 miles southeast of Spring Branch. Water level, in feet below measuring point, 1942: Apr. 3, 129.33.

118 (*886, p. 663; 909, p. 100; 939, p. 79). Henry Jonas Estate. A. H. Jonas survey 78, 3 miles northwest of Smithson Valley. Water levels, in feet below measuring point, 1942: Apr. 3, 93.53; Aug. 7, 93.48; Dec. 8, 93.44.

119 (*886, p. 663; 909, p. 100; 939, p. 79). John Stricker. 4 miles southeast of Spring Branch. Water levels, in feet below measuring point, 1942: Apr. 3, 168.68; Aug. 7, 171.66; Dec. 8, 165.92.

120 (*886, p. 663; 909, p. 101; 939, p. 79). S. L. Gill. 2 miles south of Spring Branch. Water levels, in feet below measuring point, 1942: Apr. 3, 80.68; Dec. 8, 74.13.

588859 O—44——7

131 (*886, p. 664; 909, p. 101; 939, p. 80). J. J. Arrechea. 5.5 miles south of Spring Branch. Water levels, in feet below measuring point, 1942: Apr. 3, 114.03; Aug. 7, 115.89; Dec. 8, 111.06.

155 (*886, p. 664; 909, p. 101; 939, p. 80). No measurements made in 1942.

162 (*909, p. 101; 939, p. 80). O. A. Doeppenschmidt. 9 miles east of Bulverde. Water level, in feet below measuring point, 1942: Dec. 8, 137.10.

171 (*886, p. 664; 909, p. 101; 939, p. 80). Mrs. Mattie Shelburne. 3 miles northeast of Bulverde. Water levels, in feet below measuring point, 1942: Apr. 3, 232.91; Aug. 7, 234.36; Dec. 8, 218.04.

183 (*886, p. 664; 909, p. 101). Measurements discontinued.

184 (*886, p. 664; 909, p. 101; 939, p. 80). Charles Willig. 1.5 miles east of Bulverde. Water level, in feet below measuring point, 1942: Aug. 7, 299.43.

193 (*886, p. 664; 909, p. 102; 939, p. 80). W. B. Ethridge. 5.5 miles east of Bulverde. Water levels, in feet below measuring point, 1942: Apr. 3, 213.50; Aug. 7, 216.44; Dec. 8, 100.27.

195 (*909, p. 102). Measurements discontinued.

221 (*886, p. 664; 909, p. 102; 939, p. 80). Albert Simon. 4 miles north of New Braunfels. Water levels, in feet below measuring point, 1942: Apr. 9, 164.91; Aug. 7, 164.09; Dec. 7, 158.73.

222 (*886, p. 664; 909, p. 102; 939, p. 80). William Kraft. 4 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1942: Mar. 6, 177.22; Apr. 9, 177.74; Aug. 7, 177.23; Dec. 7, 170.96.

223 (*886, p. 664; 909, p. 102; 939, p. 80). Albert Kraft. 4.5 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1942: Mar. 6, 208.31; Apr. 9, 208.94; Aug. 7, 207.11; Dec. 7, 200.37.

225 (*886, p. 664; 909, p. 102; 939, p. 80). W. H. Harborth Estate. 4 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1942: Mar. 6, 175.39; Apr. 9, 176.06; Aug. 7, 174.63; Dec. 7, 165.00.

226 (*886, p. 664; 909, p. 102; 939, p. 80). Henry Heise. 4.5 miles northwest of New Braunfels. Water level, in feet below measuring point, 1942: Apr. 9, 242.71.

232 (*886, p. 664; 909, p. 103; 939, p. 80). A. J. Caldwell. 8 miles northwest of New Braunfels. Water levels, in feet below measuring point, 1942: Mar. 6, 173.21; Apr. 3, 180.82; Aug. 7, 177.02; Dec. 8, 177.61.

263-A (*886, p. 665; 909, p. 103; 939, p. 80). Alfred Kappelmacher. At junction of Bulverde road and State Highway 46, 3.75 miles northwest of New Braunfels.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Dec.
1	227.27	228.06	228.56	229.19	229.22	229.35	229.97	229.45	229.96	.....
2	227.31	228.06	228.61	229.19	229.23	229.39	230.00	229.46	229.99	.....
3	227.33	228.09	228.62	229.20	229.25	229.42	230.02	229.48	230.00	.....
4	227.38	228.10	228.61	229.21	229.24	229.44	230.04	229.48	230.03	.....
5	227.44	228.11	228.65	229.23	229.27	229.46	230.03	229.50	229.96	.....
6	227.46	228.15	228.62	220.24	229.29	229.49	229.50	229.51	229.87	.....
7	227.45	228.17	228.65	229.25	229.30	229.50	229.42	229.52	.....	.....
8	227.50	228.17	228.70	229.28	229.32	229.52	229.42	229.53	.....	221.56
9	227.48	228.20	228.72	229.04	229.34	229.52	229.42	229.55	.....	221.59
10	227.56	228.25	228.73	228.89	229.35	229.53	229.42	229.57	.....	221.57
11	227.56	228.27	228.73	228.81	229.36	229.56	229.41	229.58	.....	221.55
12	227.57	228.29	228.73	228.74	229.36	229.58	229.41	229.60	.....	221.57
13	227.58	228.31	228.75	228.71	229.35	229.59	229.41	229.61	.....	221.57
14	227.60	228.32	228.75	228.78	229.35	229.60	229.41	229.65	.....	221.60
15	227.64	228.32	228.77	228.87	229.36	229.61	229.40	229.65	.....	221.58
16	227.64	228.32	228.81	228.93	229.37	229.62	229.39	229.67	.....	221.59

263-A. Alfred Kappelmacher--Continued.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Dec.
17	227.64	228.36	228.85	228.98	229.41	229.73	229.38	229.69	.....	221.60
18	227.66	228.42	228.88	229.00	229.42	229.75	229.38	229.71	.....	221.61
19	227.73	228.43	228.88	229.00	229.41	229.76	229.39	229.72	.....	221.62
20	227.75	228.44	228.88	229.04	229.42	229.76	229.39	229.74	.....	221.64
21	227.77	228.45	228.95	229.08	229.45	229.77	229.40	229.76	.....	221.63
22	227.79	228.44	228.98	229.13	229.47	229.80	229.40	229.78	.....	221.64
23	227.80	228.42	228.98	229.14	229.50	229.82	229.40	229.81	.....	221.67
24	227.81	228.50	228.98	229.13	229.51	229.84	229.40	229.82	.....	221.67
25	227.82	228.51	228.97	229.14	229.51	229.86	229.40	229.84	.....	221.67
26	227.82	228.52	229.01	229.16	229.53	229.87	229.41	229.86	.....	221.65
27	227.87	228.57	229.07	229.17	229.54	229.90	229.42	229.88	.....	221.74
28	227.90	228.57	229.10	229.18	229.34	229.90	229.42	229.90	.....	221.80
29	227.90	.....	229.11	229.20	229.18	229.94	229.42	229.91	.....	221.78
30	227.91	.....	229.13	229.92	229.25	229.97	229.43	229.88	.....	221.82
31	228.03	.....	229.17	.....	229.31	.....	229.45	229.95	.....	221.86

271 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). Robert Raabe. 1.5 miles northeast of Gruene station. Water levels, in feet below measuring point, 1942: Mar. 6, 89,95; Apr. 3, 90.20; Aug. 7, 90.05; Dec. 4, 85.87.

274 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). Charles Soechting. 3 miles northeast of Gruene station. Water levels, in feet below measuring point, 1942: Mar. 6, 151.33; Apr. 9, 151.94; Aug. 7, 151.81; Dec. 4, 146.32.

278 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). Nancy Gruene. 2.5 miles southwest of Hunter. Water levels, in feet below measuring point, 1942: Mar. 6, 148.36; April. 3, 148.86.

291 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). Oscar Preiss. 1.1 miles southeast of Thornhill School. Water levels, in feet below measuring point, 1942: Mar. 6, 53.61; Apr. 3, 53.88; Aug. 7, 53.86; Dec. 4, 50.72.

326 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). William Schaeffer. 3.5 miles southeast of Solms. Water levels, in feet below measuring point, 1942: Mar. 6, 32.76; Apr. 9, 33.37; Aug. 7, 35.04.

336 (*840, p. 391; 845, p. 457; 886, p. 665; 909, p. 103; 939, p. 81). A. W. Felch. 1.5 miles southwest of Solms. Water levels, in feet below measuring point, 1942: Mar. 6, 81.93; Apr. 9, 82.43; Aug. 6, 83.35; Dec. 3, 77.44.

373 (*840, p. 391; 845, p. 458; 886, p. 665; 909, p. 104; 939, p. 81). L. Jentsch. 1 mile east of Solms. Water levels, in feet below measuring point, 1942: Mar. 6, 22.60; Apr. 9, 21.84; Aug. 7, 23.69; Dec. 3, 18.32.

399 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82). John Karback. 1.3 miles north of Gruene. Water levels, in feet below measuring point, 1942: Mar. 6, 173.10; Apr. 9, 173.48; Aug. 3, 173.25; Dec. 7, 168.16.

588. O. A. Stoepler. East side of New Braunfels on Wimberley road, 1 mile south of Hays County line. Unused drilled stock well, diameter 5 inches, depth 182 feet. Measuring point, top of 2-inch pipe, 0.6 foot above land surface.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
Dec. 20, 1939	150.31	Aug. 29, 1940	149.93	May 23, 1941	148.00
Jan. 24, 1940	150.42	Sept.23	150.01	Aug. 7	149.40
Feb. 28	150.30	Oct. 28	150.19	Nov. 19	149.28
Mar. 22	150.40	Dec. 6	150.07	Aug. 3, 1942	149.28
June 25	147.85	Jan. 30, 1941	149.65	Dec. 7	150.22
July 29	149.70	Mar. 27	146.25		

Crosby County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

1 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104). J. T. Vaughan, formerly owned by C. E. Dean. In Cone, at store and filling station, on east side of street, 1 block south of school. Water levels, in feet below measuring point, 1942: Mar. 23, 113.52; July 31, pumping; Oct. 22, pumping.

2 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104). C. B. Travis. 1.85 miles south of Cone, on west side of road. Water levels, in feet below measuring point, 1942: Mar. 23, pumping; July 31, 106.10; Oct. 22, 105.87.

3 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82). No measurements made in 1942.

4 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82). Owner unknown. 6.75 miles south of Cone, on west side of road. Water levels, in feet below measuring point, 1942: July 31, 119.71; Oct. 22, 119.27.

6 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104). No measurements made in 1942.

7 (*840, p. 392; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82). Owner unknown. In Ralls, on north side of U. S. Highway 62, 3 miles west of its junction with State Highway 207. Water level, in feet below measuring point, 1942: Mar. 23, 91.10.

8 (*840, p. 392; 845, p. 458). No measurements made in 1942.

9 (*840, p. 393; 845, p. 458; 886, p. 666; 909, p. 104; 939, p. 82). Owner unknown. On east edge of Lorenzo, 1 block north of U. S. Highway 62, on east side of road. Water levels, in feet below measuring point, 1942: Mar. 23, 78.90; July 31, 78.50.

46 (*886, p. 666; 909, p. 104). J. R. Noble. SW¼SW¼ J. F. Littlefield survey, north of Cone public school, 13 miles northwest of Crosbyton. Water levels, in feet below measuring point, 1942: Mar. 23, 109.62; July 31, 108.83; Oct. 22, 108.58.

337 (*886, p. 667; 909, p. 104). Measurements discontinued.

338 (*886, p. 667; 909, p. 104). Measurements discontinued.

Dawson County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

9 (*909, p. 108). I. M. Stafford. NE. corner SE¼ sec. 41, blk. 35, T. 5 N., 6.6 miles southeast of Lamesa on U. S. Highway 87, thence 1.4 miles west. Water level, in feet below measuring point, 1942: Aug. 6, 79.08.

602 (*840, p. 395; 845, p. 460; 886, p. 670; 909, p. 108). No measurements made in 1942.

603 (*840, p. 395; 845, p. 460). No measurements made in 1942.

606 (*840, p. 395; 845, p. 460; 886, p. 670; 909, p. 108). Gus White. SE¼ sec. 13, blk. 35, T. 6 N., 7.4 miles north of Lamesa on U. S. Highway 87, thence 0.8 mile west on dirt road. Water level, in feet below measuring point, 1942: Aug. 6, 98.98.

607 (*840, p. 395; 845, p. 460; 886, p. 670; 909, p. 108). No measurements made in 1942.

611 (*840, p. 396; 845, p. 460; 886, p. 670; 909, p. 108). No measurements made in 1942.

612 (*840, p. 396; 845, p. 460; 886, p. 670; 909, p. 108) G. H. Greenlee. NW¼SE¼ sec. 3, blk. 34, T. 7 N. (previously reported as owner unknown and in SE. corner SE¼ sec. 6, blk. 34), 12.4 miles northeast of Lamesa on U. S. Highway 87, thence 0.2 mile west. Water level, in feet below measuring point, 1942: Aug. 6, 71.14.

614 (*840, p. 396; 845, p. 461; 886, p. 670; 909, p. 108). Measurements discontinued.

702 (*840, p. 396; 845, p. 461; 886, p. 670; 909, p. 108). Mrs. W. H. Gartin. SE¼NW¼ sec. 46, blk. 34, T. 4 N., 2.6 miles northwest from Ackerly. Water level, in feet below measuring point, 1942: Aug. 6, 99.42.

705 (*840, p. 396; 845, p. 461; 909, p. 108). R. D. Simpson, previously reported as owned by L. Simpson. No measurements made in 1942.

706 (*840,p396; 845, p. 461; 909, p. 108). No measurements made in 1942.

707 (*840, p. 396; 845, p. 461; 886, p. 670; 909, p. 108). Measurements discontinued.

708 (*840, p. 396; 845, p. 461; 886, p. 670; 909, p. 108). Measurements discontinued.

709 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 108). No measurements made in 1942.

710 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 109). No measurements made in 1942.

711 (*840, p. 397; 845, p. 461; 886, p. 670; 909, p. 109). Dan Bartlett. NW¼NW¼ sec. 3, blk. 35, T. 4 N., 9.1 miles southeast of Lamesa on U. S. Highway 87, thence 1.6 miles west. Water level, in feet below measuring point, 1942: Aug. 6, 80.76.

712 (*840, p. 397; 845, p. 461; 909, p. 109). H. H. Barron. Near center of sec. 33, blk. 35, T. 5 N., 3.2 miles southeast of Lamesa. Water level, in feet below measuring point, 1942: Aug. 6, 77.97.

713 (*840, p. 397; 845, p. 461; 909, p. 109). No measurements made in 1942.

714 (*840, p. 397; 845, p. 461; 886, p. 671; 909, p. 109). H. H. Barron. NE¼NE¼ sec. 29, blk. 34, T. 5 N., 3.2 miles southeast of Lamesa. Water level, in feet below measuring point, 1942: Aug. 6, 69.33.

718 (*840, p. 397; 845, p. 461; 886, p. 671; 909, p. 109). No measurements made in 1942.

720 (*840, p. 397; 845, p. 461; 886, p. 671). No measurements made in 1942.

Deaf Smith County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

113 (*840, p. 398; 845, p. 462; 886, p. 671; 909, p. 109; 939, p. 84). A. S. Higgins. NW. corner NW¼ sec. 58, blk. K4, 12.5 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 99.22; Aug. 4, 98.97; Dec. 1, 98.94.

127 (*845, p. 462; 886, p. 671; 909, p. 109; 939, p. 84). Federal Life Insurance Co. SE¼SE¼ sec. 36, blk. 7, 18 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 73.69; Aug. 4, 73.94.

128 (*845, p. 462; 886, p. 671; 909, p. 109; 939, p. 84). M. H. Byrum. SW¼SE¼ sec. 36, blk. 7, 18 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 24.26; Aug. 4, 24.88.

150 (*845, p. 462; 886, p. 671; 909, p. 109; 939, p. 85). D. Thompson. NE¼SE¼SE¼ sec. 79, blk. K4, 10.5 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 97.54; Aug. 4, p. 97.36; Dec. 1, 97.42.

205 (*845, p. 463). Hill and Ricketts. NW¼NW¼ sec. 50, blk. K3, 2 miles east from State Highway 51, 9.5 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 80.66; Dec. 1, 80.16.

207 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85). No measurements made in 1942.

212 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85). Alfred May. NW. corner NE¼NW¼ sec. 16, blk. 3, 12 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 72.94; Dec. 1, 72.03.

216 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 109; 939, p. 85). H. H. Miller. SW. corner SE¼ sec. 14, blk. 3, 13 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 68.65; Dec. 1, 68.68.

217 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85). W. E. Neal. SE¼NW¼ sec. 21, blk. 3, 13 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 88.91; Dec. 1, 88.78.

219 (*845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85). J. E. Manz. NE. corner NE¼NW¼ sec. 11, blk. 3, 14 miles northeast from Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 77.01; Dec. 1, 77.16.

220 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85). C. T. Wimberly. SW. corner SW¼ sec. 22, blk. 3, 11.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 86.10; Dec. 1, 87.27.

224 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85). M. H. Byrum. SE. corner NE¼SE¼ sec. 25, blk. 3, 10 miles northeast of Hereford. Water level, in feet below measuring point, 1942: Feb. 9, 57.76.

226 (*840, p. 398; 845, p. 463; 886, p. 671; 909, p. 110; 939, p. 85). J. B. Stoker. NW. corner NW¼NE¼ sec. 7, blk. K3, 9 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 50.14; Dec. 1, 49.52.

230 (*840, p. 398; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85). E. C. Reineaur. NW. corner SW¼ sec. 6, blk. K3, 7.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 47.23; Dec. 1, 46.60.

234 (*840, p. 399; 845, p. 463; 886, p. 672; 909, p. 110; 939, p. 85). Owner unknown. Sec. 554, excess acreage strip, 7.75 miles northeast of Hereford. Water level, in feet below measuring point, 1942: Feb. 17, 48.08.

235 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). W. G. Slagle. SW¼SE¼ sec. 5, blk. K3, 7 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 51.30; Dec. 1, 52.11.

236 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). Western National Bank. SW. corner SW¼ sec. 5, blk. K3, 6.4 miles northeast of Hereford. Water level, in feet below measuring point, 1942: Feb. 17, 47.31.

237 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). Western National Bank. NW. corner NW¼ sec. 5, blk. K3, 7 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 45.59; Dec. 1, 45.32.

241 (*840, p. 399; 845, p. 646; 886, p. 672; 909, p. 110; 939, p. 85). J. K. Estes. NW. corner NW¼NW¼ sec. 17, blk. K3, 5.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 47.85; Dec. 1, 47.81.

242 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). Travis Damron. NW. corner SW¼ sec. 24, blk. K3, 4.5 miles northeast of Hereford. Water level, in feet below measuring point, 1942: Feb. 17, 53.76.

245 (*840, p. 399; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). A. D. Smith. SW. corner NW¼NW¼ sec. 25, blk. K3, 5.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 17, 46.10; July 6, 45.92; Nov. 24, 45.77.

247 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 85). S. E. Zook. NE¼NE¼ sec. 34, blk. K3, 7.5 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 20.22; July 3, 21.72; Nov. 24, 22.60.

248 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 929, p. 85). No measurements made in 1942.

251 (*840, p. 400; 845, p. 464; 886, p. 678; 909, p. 110; 939, p. 86). A. D. Thompson and Blakemore. NW. corner SW¼NW¼ sec. 47, blk. K3, 6.5 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 50.35; Dec. 1, 51.00.

258 (*840, p. 400; 845, p. 464; 886, p. 672; 909, p. 110; 939, p. 86). Dr. G. W. Heard. SW. corner NE¼ sec. 77, blk. K3, 3 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 56.30; Dec. 1, 57.25.

261 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86). D. L. McDonald. NW. corner NW¼SW¼ sec. 65, blk. K3, 4 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 54.49; Dec. 1, 54.97.

265 (*840, p. 400; 845, p. 465; 886, p. 672; 909, p. 110; 939, p. 86). Reineaur Bros. NW. corner SE¼ sec. 74, blk. K3, 6 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 66.69; Dec. 1, 66.64.

272 (*840, p. 401; 845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86). J. L. Hoffman, previously reported as owned by Empire Mortgage Co. SW. corner SE¼SW¼ sec. 86, blk. K3, 5 miles northwest of Hereford. Water levels, in feet below measuring point, 1942: Feb. 5, 75.21; Dec. 1, 74.49.

276 (*840, p. 401; 845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86). No measurements made in 1942.

277 (*845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86). No measurements made in 1942.

281 (*845, p. 465; 886, p. 672; 909, p. 111; 939, p. 86). No measurements made in 1942.

283 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86). J. T. Gilbreath. North line of NW¼NE¼ sec. 133, blk. M7, 3 miles west of Hereford. Water level, in feet below measuring point, 1942: Feb. 5, 65.06.

288 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86). John W. Kropff. NW¼NW¼ sec. 63, blk. K3, 2.5 miles north of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 65.98; July 3, pumping; Nov. 24, 68.50.

291 (*840, p. 401; 845, p. 466; 886, p. 672; 909, p. 111; 939, p. 86). S. L. Harman. NW. corner NW¼ sec. 59, blk. K3, 1 mile northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 57.06; Dec. 1, 57.77.

300 (*840, p. 401; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). Ayres Estate. SW¼SW¼ sec. 43, blk. K3, 2 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 49.02; Dec. 1, 49.32.

301 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). No measurements made in 1942.

302 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). J. L. Fuqua. NE¼SE¼ sec. 38, blk. K3, 4 miles northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 9, 53.51; Dec. 1, 53.96.

308 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). Hereford State Park. NW. corner NE¼NE¼ sec. 60, blk. K3, 1 mile northeast of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 49.69; July 3, 49.82; Nov. 24, 49.98.

311 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). H. H. Boardman. SW¼SE¼SW¼ sec. 41, blk. K3, 2 miles east of Hereford. Water level, in feet below measuring point, 1942: Feb. 6, 49.63.

315 (*840, p. 402; 845, p. 466; 886, p. 673; 909, p. 111; 939, p. 86). C. P. Hussey. SW¼NE¼ sec. 67, blk. M7, 3.5 miles east of Hereford. Water level, in feet below measuring point, 1942: Feb. 6, 56.34.

317 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). No measurements made in 1942.

319 (*845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). Hooker Estate. SW. corner SE¼NE¼ sec. 79, blk. K3, 1 mile northwest of Hereford. Water levels, in feet below measuring point, 1942: Feb. 7, 62.68; Dec. 1, 62.98.

322 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). Lloyd Edwards. SW. corner SE¼ sec. 112, blk. M7, 2.5 miles south of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 74.84; July 3, 74.36; Nov. 24, 74.32.

326 (*840, p. 402; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). Measurements discontinued.

331 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). M. C. Doss. SW. corner NW¼ sec. 107, blk. M7, 4 miles south of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 82.54; Nov. 27, 82.13.

336 (*840, p. 403; 845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). E. J. Boeskin. SW. corner NE¼ sec. 86, blk. M7, 3.5 miles southeast of Hereford. Water level, in feet below measuring point, 1942: Feb. 6, 87.56.

340 (*845, p. 467; 886, p. 673; 909, p. 111; 939, p. 87). Felix Urbanczyk. SW¼SW¼ sec. 108, blk. M7, 3.75 miles south of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 79.52; Nov. 27, 78.81.

342 (*845, p. 467; 886, p. 673; 909, p. 112; 939, p. 87). Felix Urbanczyk. NE¼SE¼ sec. 108, blk. M7, 3.5 miles south of Hereford. Water levels, in feet below measuring point, 1942: Feb. 6, 78.15; Nov. 27, 77.98.

431 (*840, p. 403; 845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87). Mrs. M. Wooldridge. NE¼NE¼ sec. 152, blk. M7, 4.5 miles southwest of Hereford. Water level, in feet below measuring point, 1942: Feb. 5, 70.96.

502 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87). M. S. Tannahill. NW¼NW¼ sec. 50, blk. K8, 8.5 miles west of Hereford. Water level, in feet below measuring point, 1942: Feb. 5, 98.46.

506 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87). Alton Fraser. NW¼NW¼ sec. 5, Gregg School land, 90 miles west of Hereford. Water levels, in feet below measuring point, 1942: Feb. 5, 76.98.

513 (*845, p. 468; 886, p. 673; 909, p. 112). W. L. Parrott. SW¼SW¼ sec. 174, blk. M7, 7.5 miles southwest of Hereford. Water level, in feet below measuring point, 1942: Feb. 5, 80.75.

519 (*845, p. 468; 886, p. 673; 909, p. 112; 939, p. 87). No measurements made in 1942.

Dimmit County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886, 909, and 939.

M9-9 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p. 112, 939, p. 87). Mr. Meyers. 2.5 miles southwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 88.83.

N7-25 (*909, p.112; 939, p. 87). Mrs. Ella Perrin. 4.25 miles southeast of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 57.91.

N7-34 (*777, p. 187; 840, p. 403; 845, p. 469; 886, p. 674; 909, p.112; 939, p. 87). Byrd Cattle Co. (formerly A. Johnson). 2 miles northwest of Winter Haven. Water level, in feet below measuring point, 1942: Aug. 8, 47.63.

N7-48 (*777, p. 188; 840, p. 403; 845, p. 469; 886, p. 674; 909, p.112; 939, p. 87). H. Hagelstein. 1 mile east of Winter Haven. Water level, in feet below measuring point, 1942: Aug. 8, 49.83.

N7-78 (*777, p. 188; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.112; 939, p. 88). C Schmitt. 2 miles northwest of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 108.86.

N7-95 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.112; 939, p. 88). M. E. Cook. 3 miles west of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 75.20.

N7-125 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909,p.112; 939, p. 88). J. Gardner. Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 68.47.

N7-135 (*777, p. 189; 840, p. 404; 845, p. 469; 886, p. 674; 909,p.113; 939, p. 88). J. L. Bell. 2 miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 33.39.

N8-19 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909,p. 113; 939, p. 88). C. W. Wilkeson, formerly owned by Hill & Morton. 2 miles southeast of Winter Haven. Water level, in feet below measuring point, 1942: Aug. 8, 83.42.

N8-26 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). Geo. Rheia, formerly owned by Charles Dunn. 4 miles southeast of Winter Haven. No measurements made in 1942.

N8-28 (*777, p. 190; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). G. W. Weston, formerly owned by J. C. Brazil. 4 miles southeast of Winter Haven. Water level, in feet below measuring point, 1942: Aug. 8, 58.14.

N8-40 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). John Stahl, formerly owned by M. V. Kerley. 3 miles northeast of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 49.87.

N8-47 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). C. W. Miller. 2 miles east of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 11, 92.58.

N8-50 (*777, p. 191; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). I. O. Kotchman, formerly owned by R. H. Price. 3 miles east of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 11, 66.44.

N8-58 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). G. Denton Estate, formerly owned by G. & C. Hagelstein. 6 miles northeast of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 11, 45.03.

N8-71 (*777, 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113). Dr. B. E. Pickett, formerly owned by S. M. Owens. 5 miles southwest of Brundage. No measurements made in 1942.

N8-73 (*777, p. 192; 840, p. 404; 845, p. 469; 909, p. 113). Mrs. Moody Beascom, formerly owned by C. W. Wheeler. 2 miles southwest of Brundage. No measurements made in 1942.

N8-103 (*777, p. 192; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). Nueces Land & Irrigation Co. 4 miles southwest of Brundage. Water level, in feet below measuring point, 1942: Aug. 10, 28.77.

N9-8 (*777, p. 193; 840, p. 404;845, p. 469; 886, p. 674; 909, p. 113; 939, p. 88). T. S. Buchanan. 1.5 miles north of Big Wells. No measurements made in 1942.

N9-12 (*777, p. 193; 840, p. 404; 845, p. 469; 886, p. 674; 909, p.113; 939, p. 88). Federal Land Bank, formerly owned by R. J. Rothe. 1 mile west of Big Wells. Water level, in feet below measuring point, 1942: Aug. 11, 19.21.

N9-16 (*777, p. 193; 840, p. 404; 909, p. 113). R. B. White Co. 1.5 miles east of Big Wells. Water level, in feet below measuring point, 1942: Aug. 11, 66.04.

N9-25 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.113. Order of Calenthia, formerly owned by South Texas Estates. 4 miles southeast of Brundage. No measurements made in 1942.

N9-32 (*777, p. 193; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.113, 939, p. 88). P. J. Lewis. 2.5 miles south of Big Wells. No measurements made in 1942.

N9-33 (*909, p. 114; 939, p. 88). P. J. Lewis. 2.5 miles south of Big Wells. Water level, in feet below measuring point, 1942: Aug. 11, 31.16.

O7-3 (*777, p. 194; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.114; 939, p. 88). G. W. Hatch, formerly owned by Wimar-Richardson. 9 miles northwest of Big Wells. Water level, in feet below measuring point, 1942: Aug. 11, 97.42.

S1-15 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.114; 939, p. 88). Central Securities Co., formerly owned by South Texas Winter Gardens, Inc. 6 miles southwest of Carrizo Springs. No measurements made in 1942.

S1-16 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.114; 939, p. 88). C. W. Gilfilfan & Son. 4.5 miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 9, 60.87.

S1-18 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.114; 939, p. 88). Central Securities Co., formerly owned by South Texas Winter Gardens, Inc. 3.5 miles southwest of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 8, 107.85.

S2-24 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 674; 909, p.114; 939, p. 88). L. V. Richardson. 5.5 miles southeast of Carrizo Springs. Water level, in feet below measuring point, 1942: Aug. 9, 104.83.

S2-27 (*777, p. 195; 840, p. 405; 845, p. 469; 886, p. 675; 909, p.114). J. A. McDonald. 3.5 miles northeast of Asherton. Water level, in feet below measuring point, 1942: Aug. 10, 53.42.

S2-29 (*777, p. 196; 840, p. 405; 845, p. 469; 886, p. 675; 909, p.114; 939, p. 88). E. W. Tackett. 4 miles northwest of Asherton. Water level, in feet below measuring point, 1942: Aug. 9, 72.58.

S2-78 (*777, p. 196; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.114; 939, p. 89). J. W. Robinson. 2.5 miles southwest of Asherton. Water level, in feet below measuring point, 1942: Aug. 10, 160.27.

S2-86 (*777, p. 196; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.114; 939, p. 89). J. P. Luthold, formerly owned by E. Hess. 4 miles southeast of Asherton. No measurements made in 1942.

S2-91 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.114; 939, p. 89). No measurements made in 1942.

S2-94 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 114; 939, p.89). Catarina Farms Co., formerly owned by A. J. Frey. 9 miles west of Catarina. No measurements made in 1942.

S2-102 (*777, p. 102; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.114; 939, p. 89). J. P. Giles. 4 miles northwest of Catarina. Water level, in feet below measuring point, 1942: Aug. 10, 106.11.

S3-10 (*777, p. 197; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.114; 939, p. 89). Catarina Farms Co., formerly owned by G. W. Taggert. 4.5 miles northeast of Catarina. Water level, in feet below measuring point, 1942: Aug. 10, 73.34.

S3-16 (*909, p. 114; 939, p. 89). No measurements made in 1942.

S5-3 (*777, p. 197; 840, p. 405; 845, p. 470; 909, p. 115; 939, p. 89). Ingram and Eckler. 6 miles east of Catarina. Water level, in feet below measuring point, 1942: Aug. 10, 105.57.

S5-5 (*777, p. 198; 840, p. 504; 845, p. 470; 909, p. 115; 939, p. 89). Catarina Farms Co., formerly owned by Claude Lindley. 13 miles southwest of Catarina. Water level, in feet below measuring point, 1942: Aug. 10, 69.53.

S5-10 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p.115). Catarina Farms Co., formerly owned by Mr. Watson. 5 miles southwest of Catarina. No measurements made in 1942.

S6-4 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89). O. V. Ray. 1.5 miles southeast of Catarina. Water level, in feet below measuring point, 1942: Aug. 10, 11.66.

T1-5 (*777, p. 198; 840, p. 405; 845, p. 470; 886, p. 675; 909, p. 115; 939, p. 89). R. W. Wilson, formerly owned by Mr. Flecher. 2.25 miles east of Valley Wells. No measurements made in 1942.

El Paso County

Except as indicated, all wells in the following list are in the city of El Paso or its immediate vicinity. Included are three wells in Ciudad Juarez, Mexico. Well numbers correspond to those in Water-Supply Papers 817, 840, 845, 886, 909, and 939.

8 (*817, p. 331; 840, p. 408; 845, p.473; *886, p. 678; 909, p. 119; 939, p. 91). El Paso Electric Co. well 4. At Sante Fe and Fourth Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,692.12	May 19	3,690.33	Aug. 25	3,695.05	Nov. 20	3,695.31
Mar. 12	3,690.01	June 17	3,693.57	Sept.21	3,694.97	Dec. 23	3,695.03
Apr. 13	3,691.36	July 22	3,694.84	Oct. 21	3,695.27		

9 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 91). El Paso Electric Co. well 3. At Sante Fe and Fourth Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,698.23	July 22	3,697.50	Sept.21	3,697.98	Nov. 20	3,697.83
May 19	3,696.80	Aug. 25	3,697.80	Oct. 21	3,697.87	Dec. 23	3,697.24
June 17	3,695.63						

10 (*845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92). City of El Paso drainage well. At Fourth and Oregon Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,697.79	May 19	3,696.68	Aug. 24	3,697.22	Nov. 20	3,697.37
Mar. 12	3,696.86	June 16	3,695.66	Sept.21	3,697.40	Dec. 23	3,696.87
Apr. 13	3,697.30	July 21	3,696.85	Oct. 20	3,697.40		

12 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92). City of Juarez well 1. In Ciudad Juarez, Chihuahua, Mexico, at Municipal Market. Water levels, in feet above mean sea level, 1942: June 19, a/ 3,619.20; Sept. 15, a/ 3,619.20.

13 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92). City of Juarez well 2. In Ciudad Juarez, Chihuahua, Mexico, at Mariscal and Primera Streets. Water levels, in feet above mean sea level, 1942: Jan. 27, 3,688.49; June 19, 3,687.65.

18 (*817, p. 331; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92). City of Juarez well 3. In Ciudad Juarez, Chihuahua, Mexico, near Hipodromo. Water levels, in feet above mean sea level, 1942: Jan. 27, a/ 3,663.54; June 19, a/ 3,646.47; Sept. 15, a/ 3,664.99.

19 (*817, p. 332; 840, p. 408; 845, p. 474; 886, p. 678; 909, p. 119; 939, p. 92). El Paso Milling Co. At Kansas and Eleventh Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,691.37	June 16	3,681.01	Dec. 23	3,689.10
Apr. 13	3,690.87	Sept.21	3,681.27		

19a (*939, p. 92). El Paso Milling Co. well 1. On river bank near Kansas and Eleventh Streets.

Water level, in feet above mean sea level, 1942

Jan. 21	3,696.40	June 16	3,696.86	Dec. 23	3,695.49
Apr. 13	3,696.71	Sept.21	3,696.29		

21 (*817, p. 332; 840, p. 409; 845, p. 474; *886, p. 678; 909, p. 119; 939, p. 92). City of El Paso well 10. At Campbell and Sixth Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,686.16	Apr. 13	3,685.18	Aug. 24	3,674.98	Nov. 20	3,680.15
Mar. 12	3,685.51	May 6	a3,684.99	Oct. 20	3,675.98	Dec. 23	3,682.13

28 (*817, p. 332; 840, p. 409; 845, p. 475; 886, p. 679; 909, p. 120; 939, p. 92). Acme Laundry. At 905 East Missouri Street.

Water level, in feet above mean sea level, 1942

Jan. 25	3,673.51	Apr. 19	b3,672.40	July 26	b3,643.11	Oct. 18	b3,654.95
Feb. 15	3,673.62	May 24	b3,655.78	Aug. 30	b3,656.98	Nov. 22	3,664.04
Mar. 29	3,673.38	June 21	b3,649.38				

29a (*909, p. 120; 939, p. 92). Consumers Ice & Fuel Co. well 2. At Cotton and Dallas Streets.

Water level, in feet above mean sea level, 1942

Jan. 21	3,667.04	May 119	3,657.94	Aug. 24	3,665.94	Nov. 20	3,665.98
Mar. 12	3,668.58	June 16	3,655.06	Sept.21	3,665.86	Dec. 23	3,671.24
Apr. 13	3,663.60	July 21	3,665.77	Oct. 20	3,661.02		

30a (*845, p. 475; *886, p. 679; *909, p. 120; 939, p. 93). City of El Paso well 14. At San Antonio and Walnut Streets.

Water level, in feet above mean sea level, 1942

Jan. 21	3,667.44	May 19	a3,640.34	Aug. 24	3,666.90	Nov. 20	a3,647.46
Mar. 13	a3,647.17	June 16	a3,638.48	Sept.22	3,667.89	Dec. 23	3,672.47
Apr. 13	a3,646.23	July 21	a3,639.40	Oct. 20	a3,646.23		

32a (*886, p. 679; 909, p. 120; 939, p. 93). City of El Paso well 17. At San Antonio and Tornillo Streets.

Water level, in feet above mean sea level, 1942

Jan. 21	a3,639.55	June 16	a3,634.62	Sept.15	a3,639.21	Nov. 20	a3,640.03
Apr. 13	a3,639.39	July 21	a3,634.96	Oct. 20	a3,639.39	Dec. 23	3,672.92
May 19	a3,635.85	Aug. 24	3,667.63				

36 (*817, p. 333; 840, p. 409; 845, p. 475; 886, p. 679; 909, p. 121; 939, p. 93). Southern Pacific Railroad. At Piedras Street shops.

Water level, in feet above mean sea level, 1942

Jan. 21	3,675.24	May 19	3,669.01	Aug. 24	3,668.03	Nov. 20	3,677.27
Mar. 21	3,676.96	June 17	3,666.07	Sept.21	3,662.82	Dec. 23	3,678.11
Apr. 13	3,675.65	July 21	3,665.93	Oct. 20	3,676.08		

a Pumping. b May be affected by pumping.

39 (*817, p. 333; 840, p. 409; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93). Midwest Dairies, Inc. At Piedras and Oro Streets.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,669.53	May 19	3,660.54	Aug. 24	3,665.71	Nov. 20	3,667.14
Mar. 21	3,669.76	June 17	3,656.52	Oct. 21	3,665.87	Dec. 23	3,670.81
Apr. 13	3,666.33	July 22	3,656.81				

40 (*817, p. 333; 840, p. 409; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93). City of El Paso well. At Piedras and Hamilton Streets.

Water level, in feet above mean sea level, 1942

June 23	3,687.96	Aug. 26	3,688.84	Oct. 27	3,689.33	Dec. 22	3,689.32
July 22	3,687.71	Sept.23	3,689.05	Nov. 23	3,689.05		

42 (*817, p. 334; 840, p. 410; 845, p. 475; 886, p. 680; 909, p. 121; 939, p. 93). City of El Paso well 9. At Luna and Pera Streets.

Water level, in feet above mean sea level, 1942

Apr. 13	3,667.17	July 21	3,656.04	Sept.21	3,666.82	Dec. 23	3,672.20
June 16	3,661.98	Aug. 24	3,665.30	Oct. 20	3,667.82		

44 (*817, p. 334; 840, p. 410; 845, p. 476; 886, p. 680; 909, p. 121; 939, p. 93). Harry Mitchell Brewing Co. At Travis and Frutas Streets.

Water level, in feet above mean sea level, 1942

Jan. 25	3,672.62	Apr. 19	3,671.27	June 21	a3,657.06	Oct. 18	3,669.54
Feb. 15	3,671.74	May 24	3,664.96	July 26	3,662.66	Nov. 22	3,669.98
Mar. 29	3,672.01						

48a (*909, p. 121; 939, p. 93). City of El Paso well 18. In Hadlock Addition.

Water level, in feet above mean sea level, 1942

Jan. 21	3,672.83	May 19	b3,628.78	Aug. 24	3,668.55	Nov. 20	3,674.84
Mar. 12	3,674.86	June 16	3,661.01	Sept.22	3,672.32	Dec. 23	3,675.50
Apr. 13	3,673.56	July 21	3,662.12	Oct. 20	3,674.20		

48b (*909, p. 122; 939, p. 93). City of El Paso test well 33. Near Franklin Canal.

Water level, in feet above mean sea level, 1942

Jan. 21	3,674.62	May 18	3,671.47	Aug. 24	3,672.47	Nov. 20	3,676.05
Mar. 12	3,676.07	June 16	3,668.07	Sept.22	3,674.37	Dec. 23	3,676.50
Apr. 13	3,675.03	July 21	3,668.45	Oct. 20	3,675.67		

49 (*840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 93). City of El Paso well 4. In Montana well field.

Water level, in feet above mean sea level, 1942

Jan. 21	3,670.59	May 19	b3,611.70	Aug. 24	(b)	Nov. 21	3,672.09
Mar. 12	3,672.08	June 17	b3,601.16	Sept.22	3,668.88	Dec. 23	3,672.92
Apr. 14	3,670.92	July 21	b3,601.22	Oct. 20	3,671.30		

50 (*840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 94). City of El Paso well 1. In Montana well field.

Water level, in feet above mean sea level, 1942

Jan. 21	3,670.42	May 19	c3,662.93	Aug. 24	c3,662.58	Nov. 21	3,671.09
Mar. 12	3,672.12	June 17	c3,654.83	Sept.22	3,668.12	Dec. 22	3,670.80
Apr. 14	3,670.43	July 21	c3,654.79	Oct. 20	3,670.58		

51 (*817, p. 334; 840, p. 410; 845, p. 476; 886, p. 680; 909, p. 122; 939, p. 94). City of El Paso well 2. In Montana well field.

Water level, in feet above mean sea level, 1942

Jan. 21	3,671.09	Apr. 14	3,670.77	July 21	c3,651.46	Oct. 20	3,671.09
Feb. 15	3,671.47	May 19	c3,662.86	Aug. 24	c3,661.40	Nov. 21	3,671.68
Mar. 12	3,672.42	June 17	c3,651.83	Sept.22	3,668.77	Dec. 22	3,672.08

a May be affected by pumping. b Pumping.
c Nearby wells pumping.

52 (*817, p. 334; 840, p. 410; 845, p. 476; *886, p. 680; *909, p. 122; 939, p. 94). City of El Paso well 3. In Montana well field.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	3,670.41	May 19	a3,664.65	Aug. 24	3,663.25	Nov. 21	3,671.22
Mar. 12	3,671.87	June 17	b3,631.93	Sept.22	3,668.61	Dec. 22	3,671.87
Apr. 14	3,670.60	July 21	b3,631.02	Oct. 20	3,670.77		

53 (*817, p. 335; 840, p. 410; 845, p. 476; 886, p. 681; 909, p. 122; 939, p. 94). Loretto College. At Clifton and Raynolds Streets.

Water level, in feet above mean sea level, 1942

Jan. 21	3,669.12	May 19	3,663.28	Aug. 24	3,662.60	Nov. 21	3,668.25
Mar. 12	3,670.15	June 17	3,654.78	Sept.22	3,666.66	Dec. 23	3,669.21
Apr. 14	3,668.16	July 22	3,655.74	Oct. 20	3,668.58		

55 (*817, p. 335; 840, p. 411; 845, p. 476; 886, p. 681; 909, p. 122; 939, p. 94). Texas Co. 0.6 mile northeast of Ascarate.

Water level, in feet above mean sea level, 1942

Jan. 21	3,670.89	Apr. 14	3,671.42	July 22	3,664.27	Oct. 30	3,670.38
Feb. 25	3,671.27	May 19	3,669.22	Aug. 24	3,667.70	Nov. 21	3,671.34
Mar. 12	3,672.30	June 17	3,664.79	Sept.22	3,670.52	Dec. 23	3,672.68

59. Phelps-Dodge Refining Corporation well 1. 933 feet east of branch of Southern Pacific Railroad and 1,463 feet north of North Loop Road. Diameter 20 inches and 12 inches, depth 640 feet. Measuring point, floor of pump house, at land surface and 3,739.75 feet above mean sea level. Water level, Aug. 29, 1935, 68.12 feet below measuring point.

Water level, in feet above mean sea level 1935, 1940-42

Date	Water level	Date	Water level	Date	Water level
Aug. 29, 1935	3,671.63	June 24, 1941	3,660.05	June 18, 1942	3,660.25
Jan. 1940	3,666.35	Jan. 21, 1942	3,665.39	Sept.22	3,664.90
Feb. 12, 1941	3,663.25				

59a. Phelps-Dodge Refining Corporation well 2. Near well 59. Diameter 20 inches and 12 inches, depth 683 feet. Measuring point, top of 20-inch casing, 1 foot above land surface and 3,735.15 feet above mean sea level. Water level, June 4, 1940, 68.19 feet below measuring point.

Water level, in feet above mean sea level, 1940, 1942

June 4, 1940	3,666.96	Jan. 22, 1942	3,669.80	Sept.23, 1942	3,661.40
25	3,665.55	June 19	3,661.20		

64 (*817, p. 335; 840, p. 411; 845, p. 477; 886, p. 681; 909, p. 122; 939, p. 94). City of El Paso and Geological Survey test well 1. On Carlsbad Highway.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	3,678.90	May 20	3,678.71	Aug. 24	3,678.61	Nov. 24	3,678.41
Mar. 11	3,680.00	June 18	3,678.87	Sept.22	3,680.22	Dec. 22	3,678.43
Apr. 15	3,680.08	July 22	3,678.41	Oct. 27	3,678.51		

67 (*817, p. 335; 840, p. 411; 845, p. 477; 909, p. 123; 939, p. 94). Texas & New Orleans Railroad well 1. Near south entrance to Fort Bliss. Measurements discontinued in 1941.

67b (*845, p. 477; 886, p. 681; 909, p. 123; 939, p. 94). Texas & New Orleans Railroad well 3. Near south entrance to Fort Bliss.

Water level, in feet above mean sea level, 1942

Jan. 29	b3,662.89	May 22	b3,663.30	Aug. 26	a3,663.62	Nov. 25	3,664.46
Mar. 28	3,665.45	June 25	b3,657.80	Sept.22	3,663.25	Dec. 28	3,664.48
Apr. 16	a3,665.06	July 22	3,658.22	Oct. 28	3,660.21		

a Nearby wells pumping. b Pumping.

72 (*817, p. 335; 840, p. 411; 845, p. 477; 886, p. 681; 909, p. 123; 939, p. 94). United States War Department, Fort Bliss well 2.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	a3,662.24	May 20	a3,653.29	Aug. 26	a3,649.87	Nov. 25	a3,657.35
Mar. 11	a3,657.91	June 18	a3,654.00	Sept.22	a3,659.59	Dec. 22	a3,657.83
Apr. 15	b3,661.14	July 21	a3,653.71	Oct. 26	a3,659.51		

75b (*845, p. 477; 886, p. 681; 909, p. 123; 939, p. 95). City of El Paso test well 10. 0.6 mile south of Wilson Road and 0.6 mile west of Airport Road.

Water level, in feet above mean sea level, 1942

Jan. 5	3,668.31	Apr. 17	a3,666.25	June 18	a3,664.30	Oct. 23	a3,666.58
23	a3,667.76	May 6	a3,665.36	July 22	a3,665.10	Nov. 23	a3,665.97
Feb. 15	3,668.35	20	a3,663.80	Aug. 25	3,666.61	Dec. 22	a3,665.15
Mar. 9	a3,668.04	June 16	3,664.51	Sept.22	a3,666.66		

75d (*909, p. 123; 939, p. 95). City of El Paso well 19. On Airport Road 0.6 mile south of Wilson Road. No measurements made in 1942.

76 (*817, p. 336; 840, p. 411; 845, p. 478; 886, p. 681; 909, p. 123; 939, p. 95). City of El Paso and Geological Survey test well 2. Near southeast corner of Biggs Field.

Water level, in feet above mean sea level, 1942

Jan. 22	3,678.92	May 20	3,675.53	Aug. 24	3,675.82	Nov. 23	3,676.81
Mar. 11	3,678.98	June 18	a3,672.71	Sept.22	3,676.01	Dec. 22	3,676.49
Apr. 14	3,677.08	July 22	3,674.37	Oct. 26	3,676.01		

77 (*817, p. 336; 840, p. 411; 845, p. 478; 886, p. 681; 909, p. 123; 939, p. 95). City of El Paso well 12. In Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 22	3,664.55	May 20	(b)	Aug. 25	3,661.32	Nov. 23	3,660.07
Mar. 11	3,663.38	June 18	a3,652.94	Sept.23	3,661.71	Dec.	(b)
Apr. 14	3,662.60	July 22	3,656.48	Oct. 23	3,661.72		

77b (*845, p. 478; *886, p. 681; 909, p. 123; 939, p. 94). City of El Paso well 15. At Wilson and Airport Roads. Water level, in feet above mean sea level, 1942: Jan. 22, 3,670.11.

78 (*886, p. 682; 909, p. 123; 939, p. 95). City of El Paso well 11. In Mesa well field. No measurements made in 1942.

78c (*845, p. 478; 886, p. 682; 909, p. 124; 939, p. 95). City of El Paso test well 4. 1 mile north of Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 22	3,678.30	May 20	a3,675.97	Aug. 26	3,676.77	Nov. 23	3,676.08
Mar. 11	a3,677.84	June 18	3,676.30	Sept.23	3,676.60	Dec. 22	3,676.13
Apr. 17	3,677.36	July 22	a3,676.09	Oct. 26	a3,677.44		

79 (*845, p. 478; *886, p. 682; 909, p. 124; 939, p. 95). City of El Paso well 8. In Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 22	b3,602.08	May 20	(b)	Sept.23	3,662.87	Nov. 25	b3,652.21
Mar. 11	b3,600.02	June 18	(b)	Oct. 23	3,662.08	Dec. 22	(b)
Apr. 14	b3,605.13	July 22	3,658.90				

82a (*939, p. 95). City of El Paso well 20. 1 mile north of Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 22	3,674.33	Apr. 15	b3,609.14	July 22	b3,604.38	Oct. 23	b3,605.98
Feb. 8	b3,618.89	May 20	b3,603.91	Aug. 26	b3,609.58	Nov. 25	b3,603.91
Mar. 15	b3,615.46	June 18	b3,604.29	Sept.17	b3,606.58	Dec. 22	b3,601.84

a Nearby wells pumping.
b Pumping.

112 (*817, p. 336; 840, p. 412; 845, p. 479; 886, p. 682; 909, p. 124; 939, p. 95). City of El Paso old Mesa well 32. In Mesa well field.

Water level, in feet above mean sea level, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	a3,660.39	May 20	a3,656.97	Aug. 24	a3,664.94	Nov. 25	a3,657.35
Mar. 11	3,661.40	June 18	3,656.96	Sept.23	3,664.03	Dec. 22	a3,655.99
Apr. 14	a3,660.17	July 22	3,662.03	Oct. 23	3,664.51		

126 (*817, p. 338; 840, p. 412; 845, p. 479; 886, p. 682; 909, p. 124; 939, p. 96). McElroy Packing Co. Near Southern Pacific Railroad at point 3.3 miles north of Wilson Road. Measurements discontinued.

126a (*909, p. 124; 939, p. 96). City of El Paso test well 37. 2.5 miles east of well 126, inside Biggs Airfield. Measurements discontinued after Oct. 26, 1942, for duration of war.

Water level, in feet above mean sea level, 1942

Jan. 23	3,689.33	May 21	3,688.98	July 24	3,689.04	Sept.25	3,688.86
Mar. 13	3,689.07	June 23	3,688.99	Aug. 29	3,689.01	Oct. 26	3,688.89
Apr. 17	3,689.27						

128b (*939, p. 96). City of El Paso well 21. 2 miles north of Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 22	3,683.85	Apr. 15	b3,639.18	July 22	b3,636.25	Oct. 23	b3,637.20
Feb. 8	b3,640.61	May 20	b3,636.83	Aug. 26	b3,637.41	Nov. 25	b3,637.78
Mar. 11	b3,638.99	June 18	b3,636.93	Sept.17	b3,637.52	Dec. 22	3,679.88

128c (*886, p. 682; 909, p. 124; 939, p. 96). City of El Paso test well 23. 2.5 miles north of Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 23	3,687.64	May 20	a3,685.68	Aug. 26	3,685.39	Nov. 23	a3,683.75
Mar. 11	a3,686.65	June 23	3,685.60	Sept.23	3,685.15	Dec. 22	3,685.26
Apr. 16	a3,686.18	July 22	a3,685.22	Oct. 26	a3,685.91		

130 (*840, p. 412; 845, p. 479; 909, p. 124; *939, p. 96). G. T. Cook. At Sunrise Acres, 2.9 miles north of Wilson Road.

Water level, in feet above mean sea level, 1942

Jan. 24	3,688.51	May 27	3,685.98	Aug. 29	3,685.60	Nov. 24	3,684.94
Mar. 13	3,687.15	June 23	3,685.62	Sept.23	3,685.24	Dec. 22	3,685.37
Apr. 17	3,686.61	July 24	3,685.21	Oct. 26	3,684.11		

136 (*817, p. 339; 840, p. 412; 845, p. 479; 886, p. 682; 909, p. 124; 939, p. 96). City of El Paso and Geological Survey test well 3. 6.9 miles north of Wilson Road.

Water level, in feet above mean sea level, 1942

Jan. 23	3,698.77	May 21	3,698.72	Sept.23	3,698.63	Nov. 23	3,698.51
Mar. 13	3,698.92	June 23	3,698.75	Oct. 26	3,698.54	Dec. 22	3,698.48
Apr. 17	3,698.82	Aug. 29	3,698.67				

139a (*909, p. 125; 939, p. 96). City of El Paso test well 29. 9 miles north of Mesa well field.

Water level, in feet above mean sea level, 1942

Jan. 24	3,709.49	May 21	3,709.32	Aug. 29	3,707.95	Nov. 23	3,705.91
Mar. 13	3,709.68	June 23	3,709.01	Sept.25	3,709.39	Dec. 24	3,709.37
Apr. 17	3,709.46	July 24	3,705.65	Oct. 27	3,709.60		

143a (*909, p. 124; 939, p. 96). City of El Paso test well 30. 30.5 miles west of Newman.

Water level, in feet above mean sea level, 1942

Jan. 24	3,723.42	May 21	3,723.40	Aug. 29	3,723.43	Nov. 23	3,722.13
Mar. 13	3,723.49	June 23	3,722.99	Sept.25	3,723.39	Dec. 24	3,721.32
Apr. 17	3,723.47	July 24	3,722.51	Oct. 27	3,723.53		

a Nearby wells pumping.
b Pumping.

160. Ysleta Jesuit College. 3.75 miles east of Phelps-Dodge Refining Corporation and about 4 miles north of Ysleta. Diameter 5 inches, depth 75 feet. Measuring point, pump house floor, at land surface and 3,736 feet above mean sea level. Water level, Apr. 29, 1936, 62 feet below measuring point.

Water level, in feet above mean sea level, 1936-38, 1941-42

Date	Water level	Date	Water level	Date	Water level
Apr. 29, 1936	3,674.00	July 8, 1938	3,670.80	Jan. 24, 1942	3,670.79
June 30, 1937	3,671.80	Jan. 29, 1941	3,670.26	June 20	3,671.73
Feb. 8, 1938	3,670.68	June 20	3,670.15		

166. Civilian Conservation camp. 2 miles north-northwest of Ysleta. Diameter 8 inches, depth 125 feet. Measuring point, top of concrete pump base, 0.9 foot above land surface and 3,734.3 feet above mean sea level. Water level, Apr. 30, 1936, 76.62 feet below measuring point.

Water level, in feet above mean sea level, 1936-38, 1940-42

Apr. 30, 1936	3,657.68	Mar. 22, 1940	3,656.77	Jan. 22, 1942	3,657.25
June 30, 1937	3,658.25	Feb. 3	3,656.11	June 20	3,657.26
July 20, 1938	3,657.06	June 24, 1941	3,657.67		

588859 O—44——8

Floyd County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

5 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). M. C. Scheele. SW. corner SE¼ sec. 127, blk. D2, 11 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 53.05; July 4, pumping; Oct. 20, 53.91.

14 (*840, p. 413; 845, p. 480; 909, p. 126; 939, p. 97). Herman R. King. SW¼SW¼SE¼ sec. 5, blk. C9, 10 miles north of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 60.22; Oct. 20, 60.96.

28 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126). Measurements discontinued.

32 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). Frank Whitfill. NW¼NW¼NE¼ sec. 12, blk. C9, 9 miles north of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 90.43; Oct. 20, 90.94.

44 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). Measurements discontinued.

87 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). T. L. Wilhite. NE¼NW¼ sec. 87, blk. D2, 7.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, pumping; July 24, 62.43; Oct. 20, 62.78.

106 (*840, p. 413; 845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). Texas Land & Development Co. SW¼NE¼NW¼ sec. 65, blk. D2, 6 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 60.50; July 4, 63.33; Oct. 23, 61.88.

108 (*845, p. 480; 886, p. 683; 909, p. 126; 939, p. 97). Texas Land & Development Co. NW. corner SE¼ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 58.76; Oct. 26, 60.18.

111 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97). Texas Land & Development Co. SW¼SW¼SW¼ sec. 65, blk. D2, 6.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 55.16; Oct. 21, 56.44.

112 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97). Texas Land & Development Co. NW¼NW¼NW¼ sec. 12, blk. D5, 7 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 54.13; Oct. 26, 55.45.

120 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97). Francis Carthel. NW. corner NW¼ sec. 1, blk. D5, 4.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 60.34; Oct. 20, 61.60.

124 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97). Rosa Lee Carthel. NW¼SW¼SW¼ sec. 50, blk. D2, 3.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 39.20; July 24, 42.10; Oct. 20, pumping.

139 (*840, p. 414; 845, p. 481). Texas Land & Development Co. SE. corner SE¼ sec. 2, blk. D5, 3 miles northwest of Lockney. Water levels, in feet below measuring point: July 23, 1941, 64.17; Dec. 22, 1941, 63.35; Mar. 9, 1942, 62.83; Oct. 20, 1942, 65.56.

140 (*845, p. 481; 886, p. 683; 909, p. 126; 939, p. 97). Texas Land & Development Co. SW¼NE¼ sec. 2, blk. D5, 3.5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 55.42; Oct. 20, 57.45.

143 (*840, p. 414; 845, p. 481; 886, p. 683; 909, p.126; 939, p. 97). Plainview-Lockney Farms. SE¼NW¼SW¼ sec. 8, blk. D5, 5 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 63.14; July 4, 65.95; Oct. 27, 64.60.

150 (*840, p. 414; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97). M. S. Gholson. NW. corner NW¼ sec. 14, blk. D5, 7 miles northwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 47.89; Oct. 23, 48.57.

153 (*840, p. 415; 845, p. 481; 886, p. 684; 909, p. 126; 939, p. 97). E. C. Morrow, formerly owned by the Texas Land & Development Co. SW. corner NW¼ sec. 15, blk. D5, 6.5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 53.58; Oct. 27, 54.81.

157 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 126; 939, p. 97). Texas Land & Development Co. NW. corner NW¼ sec. 10, blk. D5, 6 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 9, 56.38; Oct. 27, 57.63.

161 (*840,p.415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97). Texas Land & Development Co. SW. corner NE¼ sec. 10, blk. D5, 5.5 miles west of Lockney, 0.5 mile northwest of Aiken. Water levels, in feet below measuring point, 1942: Mar. 9, 61.39; Oct. 27, 62.83.

326. W. C. Sims. NW¼NW¼ sec. 68, blk. 1, 2 miles east of Floydada. Unused drilled irrigation well, diameter 14 inches, depth 310 feet. Measuring point, top of concrete well curb, 1.5 feet above land surface.

Water level, in feet below measuring point,1937, 1939-42

Date	Water level	Date	Water level	Date	Water level
Nov. 9, 1937	151.43	Mar. 12, 1941	149.93	July 24, 1942	149.71
Jan. 26, 1939	149.84	Mar. 11, 1942	149.67	Oct. 22,	149.48
Nov. 27, 1940	149.90				

401 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 97). George Whitfield. NE¼NE¼SE¼ sec. 39, blk. D6, 6.5 miles west of Lockney, and 0.5 mile east of Floyd-Hale County line. Water level, in feet below measuring point, 1942: Mar. 10, 58.86.

409 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98). Texas Land & Development Co. NW¼NW¼NW¼ sec. 24, blk. N, 5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 54.08; Oct. 28, 55.19.

410 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98). W. C. McGrede. SW. corner W½ sec. 44, blk. D6, 5.5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 50.92; Oct. 28, 52.00.

414 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98). Mrs. Harriet B. Robbins. NW. corner SW¼NW¼ sec. 46, blk. D6, 4.5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 62.93; Oct. 28, 65.10.

416 (*845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98). Johnnie Spears. NW. corner NE¼SW¼ sec. 46, blk. D6, 4.5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 65.51; Oct. 28, 67.71

421 (*840, p. 415; 845, p. 482; 886, p. 684; 909, p. 127; 939, p. 98). W. W. Cooper. NW. corner NW¼ sec. 48, blk. D6, 3.5 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 63.06; July 4, 64.10; Oct. 28, 64.88.

428 (*845, p. 483; 886, p. 684; 909, p. 127; 939, p. 98). Texas Land & Development Co. NW. corner F. Griggs survey, 3.5 miles southwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 52.87; Oct. 28, 54.03.

435 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). Home Owners' Loan Corporation. Center of L. C. Reed survey, at crossing of Burlington & Santa Fe Railways, in southwest part of Lockney. Water level, in feet below measuring point, 1942: Mar. 11, 61.52; Oct. 28, 65.54.

436 (*840, p. 416; 845, p. 483; 909, p. 127; 939, p. 98). Owner unknown. On south side of U. S. Highway 70, 400 feet southeast of railroad depot in Lockney. Water levels, in feet below measuring point, 1942: Mar. 11, 46.40; Oct. 28, 48.56.

437 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). Lockney Oil Mill Co. On north side of Panhandle & Santa Fe Railway. Water level, in feet below measuring point, 1942: Mar. 11, 52.98.

439 (*845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). O. J. Schacht. NW. corner W. F. Smith survey, 3 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 55.61; Oct. 28, 56.90.

441 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). Federal Land Bank. NW. corner NW¼ sec. 50, blk. D3, 2 miles northeast of Lockney. Water levels, in feet below measuring point, 1942: Mar. 11, 64.20; July 24, 63.79; Oct. 20, 63.83.

442 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). Solon Clements. NW¼SW¼NW¼ sec. 51, blk. D3, 2 miles east of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 25.83; July 4, 27.88; Oct. 20, 28.39.

446 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 127; 939, p. 98). W. J. King. NE¼SE¼NE¼ sec. 68, blk. G, 2.5 miles southeast of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, pumping; July 24, 42.63; Oct. 28, pumping.

459 (*840, p. 416; 845, p. 483; 886, p. 685; 909, p. 128; 939, p. 98). Texas Land & Development Co. SW. corner M. Y. Price survey, 5.5 miles southwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 48.53; Oct. 28, 48.79.

463 (*840, p. 417; 909, p. 128; 939, p. 98). Texas Land & Development Co. NW. corner NW¼ sec. 14, blk. N, 6 miles west of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 50.73; Oct. 27, 51.49.

467 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 98). C. J. Barnard. NW¼SW¼SW¼ sec. 3, blk. N, 8 miles southwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 39.65; Oct. 27, 39.32.

472 (*845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99). Texas Land & Development Co. NW. corner J. K. Andrews survey, 5.5 miles southwest of Lockney. Water levels, in feet below measuring point, 1942: Mar.10, 48.20; Oct. 28, 48.50.

486 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99). Mrs. M. E. Morris. SE¼NE¼SE¼ sec. 53, blk. G, 5.5 miles southeast of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 29.16; July 24, 30.44; Oct. 28, 29.42.

509 (*840, p. 417; 845, p. 484; 886, p. 685; 909, p. 128; 939, p. 99). S. H. Boon. North end of C. H. Johnson survey, 8.5 miles south of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 41.62; Oct. 28, 42.03.

510 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99). L. D. Pope. North end of J. R. Powell survey, 8 miles southwest of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 41.94; Oct. 28, 43.38.

519 (*840, p. 417; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99). J. L. Faulkner. NE. corner SW¼ sec. 44, blk. G, 7.5 miles west of Floydada. Water levels, in feet below measuring point, 1942: Mar. 10, 52.52; July 4, 52.20; Nov. 25, 52.18.

523 (*909, p. 128; 939, p. 99). C. F. Harris. NE¼NW¼ sec. 41, blk. G, 7.5 miles northwest of Floydada. Water levels, in feet below measuring point, 1942: Mar. 10, 56.72; Oct. 28, 58.98.

525 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99). W. Fry. NW¼NW¼NW¼ sec. 52, blk. G, 5.5 miles south of Lockney. Water levels, in feet below measuring point, 1942: Mar. 10, 38.54; July 24, 38.02; Oct. 28, 37.89.

528 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99). Mrs. Maud Hollums. SW. corner SW¼ sec. 82, blk. G, 5 miles northwest of Floydada. Water levels, in feet below measuring point, 1942: Mar. 11, 50.93; July 24, 50.40; Oct. 28, 50.05.

529 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128). Panhandle & Santa Fe Railway. SW. corner SE¼NE¼ sec. 63, blk. 1, 2 miles northwest of Floydada. Water levels, in feet below measuring point, 1942: Mar. 11, 111.38; Oct. 22, pumping.

533 (*840, p. 418; 845, p. 484; 886, p. 686; 909, p. 128; 939, p. 99). Martin heirs. In Floydada, at West Kentucky and Fourth Streets. Water levels, in feet below measuring point, 1942: Mar. 11, 121.95; July 24, 122.48; Oct. 22, 122.75.

562 (*840, p. 418; 886, p. 686; 909, p. 128; 939, p. 99). H. W. Carver. NW¼ J. A. Huckabee survey, 7 miles south of Floydada. Water levels, in feet below measuring point, 1942: Mar. 11, 135.58; Oct. 22, pumping.

603 (*840, p. 418; 845, p. 485; 886, p. 686; 909, p. 129; 939, p. 99). Gladys Fox. NW¼NE¼ sec. 86, blk. 1, 5.5 miles east of Floydada. Water levels, in feet below measuring point, 1942: Mar. 11, 175.89; July 24, pumping; Oct. 22, 175.62.

605 (*840, p. 419; 886, p. 686; 909, p. 129; 939, p. 99). W. B. Jones. NW. corner SW¼NE¼ sec. 106, blk. 1, 10.5 miles east of Floydada. Water levels, in feet below measuring point, 1942: Mar. 11, 214.07; Oct. 22, pumping.

607 (*840, p. 419; 845, p. 485; 886, p. 686; 909, p. 129; 939, p. 99). Measurements discontinued.

Fort Bend County

Well numbers correspond to those in Water-Supply Papers 909 and 939.

1 (*909, p. 129). Measurements discontinued.

6 (*909, p. 129; 939, p. 99). P. V. Cook. 6 miles southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 66.01; Mar. 17, 65.50.

7 (*909, p. 129; 939, p. 99). C. C. Cardiff. 4 miles south-southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 19, 59.44; Mar. 17, 58.97; Sept. 21, 63.54.

11 (*909, p. 129; 939, p. 99). P. V. Cook. 1.75 miles south-southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 57.66; Mar. 17, 56.57; Sept. 21, 61.25.

12 (*909, p. 129; 939, p. 99). Measurements discontinued.

15 (*909, p. 130; 939, p. 99). P. V. Cook. 3.25 miles south-southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 60.86; Mar. 17, 60.04; Sept. 21, 63.80.

16 (*909, p. 130; 939, p. 100). C. C. Cardiff. 5 miles southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 19, 61.66; Mar. 17, 61.19.

19 (*909, p. 130; 939, p. 100). R. Robertson. 4.75 miles south of Katy. No measurements made in 1942.

20 (*909, p. 130; 939, p. 100). L. Pauli. 5.75 miles south-southeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 19, 39.91; Mar. 17, 39.46; Sept. 22, 44.62.

21 (*909, p. 130, 939, p. 100). L. Pauli. 6 miles south of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 42.99; Mar. 17, 42.47; Sept. 21, 47.36.

26 (*909, p. 130; 939, p. 100). C. Pillot. 10 miles southeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 19, 28.69; Mar. 17, 28.20; Sept. 22, 33.15.

33 (*909, p. 130; 939. p. 100). Earl McMillian. 3.5 miles southwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 19, 62.45; Mar. 17, 61.80; Sept. 22, 65.72.

50 (*909, p. 131; 939. p. 100). No measurements made in 1942.

53 (*909, p. 131; 939, p. 100). No measurements made in 1942.

54 (*909, p. 131; 939, p. 100). No measurements made in 1942.

75 (*909, p. 131; 939, p. 100). Gulf Pipe Line Co. 10 miles east-southeast of Sugarland. Water levels, in feet below measuring point, 1942: Jan. 3, 55.92; Jan. 27, 56.08; July 16, 56.46.

76 (*909, p. 131; 939, p. 100). About 0.5 mile west of Blue Ridge prison. Water levels, in feet below measuring point, 1942: Jan. 3, 35.67; Jan. 27, 35.69; July 16, 35.49.

Galveston County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886, 909, and 939.

3 (*777, p. 204; 840, p. 420; 886, p. 688; 909, p. 132; 939, p. 101). Mrs. A. Voss. 5.75 miles west of League City. Water level, in feet below measuring point, 1942: May 6, 32.48.

11 (*886, p. 688; 909, p. 133; 939, p. 101). A. A. Davis. In Friendswood. Water level, in feet below measuring point, 1942: May 28, 72.16.

16 (*886, p. 688; 909, p. 133; 939, p. 101). No measurements made in 1942.

28 (*777, p. 204; 886, p. 688; 909, p. 133; 939, p. 101). Galveston, Houston, & Henderson Railroad. Water level, in feet below measuring point, 1942: May 25, 57.70.

42 (*886, p. 688; 909, p. 133; 939, p. 101). J. Freund. In Kemah. Water level, in feet below measuring point, 1942: May 25, 44.47.

105 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101). No measurements made in 1942.

112 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101). Galveston, Houston, & Henderson Railroad. 6.5 miles northeast of Alta Loma. Water level, in feet below measuring point, 1942: May 25, 62.21.

113 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101). E. Menotti. 7 miles northeast of Alta Loma. Water level, in feet below measuring point, 1942: May 25, 36.46.

115 (*777, p. 204; 840, p. 420; 845, p. 488; 886, p. 688; 909, p. 133; 939, p. 101). J. W. Palmer. 6 miles northeast of Alta Loma. Water level, in feet below measuring point, 1942: May 25, 36.68.

142 (*886, p. 689; 909, p. 133; 939, p. 101). Maco Stewart. 2.75 miles west of League City. Water level, in feet below measuring point, 1942 May 6, 55.46.

206 (*777, p. 205; 840, p. 421; 845, p. 488; 886, p. 689; 909, p. 133; 939, p. 101). No measurements made in 1942.

244 (*886, p. 689; 909, p. 134; 939, p. 101). Stone Oil Co. In Texas City. Water level, in feet below measuring point, 1942: May 27, 85.15.

295 (*886, p. 689; 909, p. 134; 939, p. 101). No measurements made in 1942.

381 (*886, p. 689; 909, p. 134; 939, p. 101). Stewart Production Co. 3 miles southeast of Hitchcock. Water level, in feet below measuring point, 1942: May 27, 49.08.

619 (*886, p. 689; 909, p. 134; 939, p. 101). Phenix Dairy. 4 miles northwest of Alta Loma. Water level, in feet below measuring point, 1942: May 28, 55.34.

688 (*939, p. 101). City of Galveston. In Alta Loma. Water level, in feet below measuring point, 1942: May 28, 85.33.

689 (*939, p. 101). City of Galveston. 2.5 miles northeast of Alta Loma. Water level, in feet below measuring point, 1942: May 30, 61.63.

691 (*939, p. 101). City of Galveston. In Hitchcock. Water level, in feet below measuring point, 1942: May 28, 54.07.

692 (*939, p. 101). Carbide & Carbon Chemical Co. 3 miles southwest of Texas City. Water level, in feet below measuring point, 1942: May 26, 68.42.

Guadalupe County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

316 (*840, p. 422; 845, p. 489; 886, p. 690; 909, p. 135; 939, p. 102). Joe Gleitz. 400 feet north of U. S. Highway 81, 0.1 mile east of Guadalupe-Bexar county line. Water levels, in feet below measuring point, 1942: Apr. 9, 107.84; Aug. 6, 111.46.

317 (*840, p. 422; 845, p. 489; 886, p. 690; 909, p. 135; 939, p. 102). Joe Gleitz. 20 feet south of well 316. Water level, in feet below measuring point, 1942: Apr. 9, 73.39.

Hale County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

11 (*840, p. 422; 845, p. 490; 886, p. 690; 909, p. 136; 939, p. 102). S. C. Hutchinson. NE¼SE¼ sec. 5, blk. S1, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 37.50; Oct. 9, 38.22.

15 (*939, p. 102). S. C. Hutchinson. SW¼SW¼ sec. 4, blk. S1, 15 miles northwest of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 58.65; Oct. 9, 58.66.

16 (*886, p. 690; 909, p. 136; 939, p. 102). Measurements discontinued.

16a. L. W. Guthrie. NW¼NE¼ sec. 8, blk. S1, 15 miles northeast of Hale Center. Used drilled stock well, diameter 4½ inches, depth 60 feet. Measuring point, top of 4- by 4-inch timber pipe clamp, 0.8 foot above land surface. Equipped with windmill. Water levels, in feet below measuring point: Nov. 13, 1941, 48.28; Feb. 27, 1942, 48.33; Oct. 9, 1942, pumping.

17a. L. W. Guthrie. NW¼NW¼ sec. 8, blk. S1, 15.5 miles northeast of Hale Center. Used drilled irrigation well, diameter 16 inches, depth 240 feet. Measuring point, top of concrete well curb, 1.0 foot above land surface. Equipped with turbine pump. Water levels, in feet below measuring point, 1942: Apr. 2, 58.35; Oct. 9, 59.27.

36 (*840, p. 423; 845, p. 490; 909, p. 136; 939, p. 102). G. D. Lewellen. SW¼NE¼ sec. 18, blk. 06, 12.5 miles northwest of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 77.93; Oct. 24, 77.95.

37 (*840, p. 423; 845, p. 490; 886, p. 690; 909, p. 136; 939, p. 102). Measurements discontinued.

102 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). Ed Duvall. SW¼NW¼ sec. 6, blk. C4, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 49.45; July 25, filled to 47 feet below measuring point; measurements discontinued.

103 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). Carl Meyer. NE¼SE¼ sec. 8, blk. C4, 16 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 47.05; Oct. 9, 46.95.

105 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). Texas Land & Development Co. NW¼SW¼ sec. 27, blk. S1, 14 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 50.18; Oct. 9, 50.86.

112 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). C. Zelner. NW¼NW¼ sec. 11, blk. JK, 12.5 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 52.93; July 25, dry at 53.5 feet below measuring point; measurements discontinued.

115 (*840, p. 423; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). H. L. Gunter. NW¼NE¼ sec. 16, blk. JK, 13.5 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 56.23; July 2, 56.79; Oct. 9, 57.86.

123 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102. L. C. Wayland. NW¼NE¼ sec. 24, blk. JK, 11 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 63.02; Oct. 9, 63.41.

124b. Lester James. SW¼SW¼ sec. 4, blk. JK4, 9.5 miles north of Hale Center. Used drilled irrigation well. Measuring point, top of concrete well curb, 1.0 foot above land surface. Equipped with turbine pump. Water levels, in feet below measuring point: Jan. 17, 1941, 73.51; July 24, 1941, 73.41; Feb. 28, 1942, 73.47; Oct. 24, 1942, 72.63.

125 (*840, p. 424; 845, p. 490; 886, p. 691; 909, p. 136; 939, p. 102). E. E. Clark. SE¼SW¼ sec. 1, blk. JK4, 10 miles northwest from Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 82.28; July 25, 83.31; Oct. 24, 83.45.

202 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 102). Texas Land & Development Co. NW¼NE¼ sec. 20, blk. C3, 17 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 67.27; Oct. 12, 67.80).

206 (*840, p. 424; 845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103). Texas Land & Development Co. Just east of Richard William survey, 18 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 70.72; Oct. 13, 72.03.

208 (*845, p. 491; 886, p. 691; 909, p. 136; 939, p. 103). Texas Land & Development Co. SW¼ J. P. Lattimore survey, 17.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 26, 66.94; Oct. 13, 67.30.

210 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103). Texas Land & Development Co. NW¼ D. R. McVicker survey, 18.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 26, 66.57; Oct. 13, 67.35.

212 (*845, p. 491; 886, p. 692; 909, p. 136; 939, p. 103). Texas Land & Development Co. West center of D. R. McVicker strip, west of sec. 55, blk. M14, 18 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 63.78; Oct. 13, 66.09.

220 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103). Texas Land & Development Co. NW¼NE¼ sec. 3, blk. JK3, 15.5 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 55.47; Oct. 12, 57.04.

223 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103). Texas Land & Development Co. NW¼SE¼ sec. 18, blk. C3, 14.5 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 27, 53.83; Oct. 12, 55.15.

232 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103). No measurements made in 1942.

238 (*840, p. 425; 845, p. 491; 886, p. 692; 909, p. 137; 939, p. 103). Dr. McKinley Howell. SE¼SW¼ sec. 8, blk. JK3, 13.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 24, 54.16; Oct. 12, 55.00.

246 (*840, p. 425; 845, p. 492; 886, p. 692; 909, p. 137; 939, p. 103). Owner unknown. NE¼NE¼ sec. 34, blk. JK2, 12 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: July 2, 50.32; Oct. 12, 50.98.

255 (*840, p. 426; 845, p. 492; 886, p. 692; 909, p. 137; 939, p. 103). G. H. Slaton. SE¼NW¼ sec. 15, blk. JK2, 10 miles north of Hale Center. Water level, in feet below measuring point, 1942: Oct. 8, 17.05.

256 (*840, p. 426; 886, p. 692; 909, p. 137; 939, p. 103). R. M. Malone. SE¼SW¼ sec. 10, blk. JK2, 9 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 37.98; Oct. 8, 38.65.

259 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103). C. J. Ebeling. NW¼SE¼ sec. 3, blk. JK2, 9 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 16.28; Oct. 24, 16.88.

263 (*840, p. 426; 845, p. 492; 886, p. 693; 909, p. 137; 939, p. 103). Federal Land Bank. NW¼SW¼ sec. 6, blk. JK3, 15 miles northeast of Hale Center.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	44.57	July 23	46.36	Sept.15	46.85	Oct. 12	46.66
Mar. 6	44.54	Sept.12	46.80	26	46.84	Nov. 7	46.42
28	44.59						

305 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104). Texas Land & Development Co. On strip land, 0.55 mile east of SW. corner sec. 54, blk. M14, 18.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 71.90; Oct. 13, 72.36.

307 (*845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104). Texas Land & Development Co. On strip land, 0.3 mile east of SW. corner sec. 53, blk. M14, 19 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 65.35; Oct. 13, 66.41.

314 (*840, p. 427; 745, p. 493; 886, p. 693; 909, p. 138; 939, p. 104). J. S. Leach. NE¼NE¼ sec. 14, blk. JK3, 17 miles northeast of Hale Center. Water level, in feet below measuring point, 1942: Feb. 25, 46.09.

314a. Willard White. NW¼NW¼ sec. 14, blk. JK3, 17 miles northeast of Hale Center. Used drilled irrigation well, diameter 16 inches. Measuring point, top of 3/4-inch hole in pump base, 1.1 feet above land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Oct. 12, 50.31.

316 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104) Texas Land & Development Co. NW¼ S. D. Lemaster survey, 17.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 52.66; Oct. 23, 53.17.

317 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104). Texas Land & Development Co. NE¼ J. F. Owens survey, 18.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 53.02; July 4, pumping; Oct. 23, 53.75.

330 (*840, p. 427; 845, p. 493; 886, p. 693; 909, p. 138; 939, p. 104). George White. NE¼ J. M. Martin survey, 16.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 45.98; Oct. 23, 46.76.

338 (*840, p. 427; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104). Dr. J. H. Stewart. NW¼SE¼ sec. 110, blk. D2, 20 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 25, 46.45; Oct. 20, 47.10.

355 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104). Measurements discontinued.

357 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104). G. D. Lewellen. SE¼SW¼ sec. 8, blk. D6, 14.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 9, pumping; July 24, 37.20; Oct. 23, 37.37.

370 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 138; 939, p. 104). D. A. Reading. SE¼SE¼ sec. 5, blk. D4, 14.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 24, 43.58; Oct. 23, pumping.

402 (*840, p. 428; 845, p. 494; 886, p. 694; 909, p. 139; 939, p. 104). N. R. Johnson. SW¼NE¼ sec. 40, blk. JK2, 11 miles northeast from Hale Center. Water levels, in feet below measuring point, 1942: Feb. 24, 19.32; July 2, 19.50; Oct. 12, 20.71.

422 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104). Mrs. J. B. Long. SW¼SW¼ sec. 20, blk. D5, 16 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 36.61; Oct. 29, 38.15.

427 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104). C. M. Smith. NW¼NW¼ sec. 17, blk. D5, 17.5 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 9, 48.97; Oct. 23, 49.01.

428 (*840, p. 429; 845, p. 495; 886, p. 694; 909, p. 139; 939, p. 104). C. M. Smith. SW¼SW¼ sec. 17, blk. D5, 17 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 9, 48.11; Oct. 23, 48.79.

433a (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105). Lizzie B. Morris. SW. corner of west 186 acres in sec. 37, blk. D6, 15 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, pumping; Oct. 29, 12.72.

434 (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105). Texas Land & Development Co. SW. corner SE¼NE¼ sec. 33, blk. D6, 14.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 42.90; Oct. 20, 44.00.

435 (*845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105). Texas Land & Development Co. SW. corner NE¼ sec. 35, blk. D6, 14 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 48.08; Oct. 20, 49.06.

436 (*840, p. 429; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105). Texas Land & Development Co. NW¼SW¼ sec. 33, blk. D6, 13.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 52.04; Oct. 20, 52.98.

449 (*840, p. 430; 845, p. 495; 886, p. 695; 909, p. 139; 939, p. 105). W. S. Messick. NW¼NE¼ sec. 10, blk. D7, 8 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 60.08; Oct. 8, 60.83.

454 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 139; 939, p. 105). No measurements made in 1942.

459 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 139; 939, p. 105). Texas Land & Development Co. NE¼SE¼ sec. 16, blk. N, 16.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 37.93; Oct. 29, 39.25.

462 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105). R. E. Keniston. NE¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 37.77; Oct. 29, 39.71.

463 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105). R. E. Keniston. SW¼SW¼ sec. 16, blk. N, 16 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 33.12; Oct. 29, 34.40.

467 (*840, p. 430; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105). M. E. Courtney. NW¼NE¼ sec. 25, blk. N, 13.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 34.52; Oct. 29, 34.30.

470 (*840, p. 431; 845, p. 496; 886, p. 695; 909, p. 140; 939, p. 105). M. H. Neer. NW¼NW¼ sec. 25, blk. D7, 11 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 31.59; Oct. 29, 32.32.

477 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105). C. J. Jagelky. NW¼NW¼ sec. 22, blk. D7, 8 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 37.69; Oct. 29, 37.67.

508 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105). Mrs. J. H. Slaton. SW. corner sec. 8, blk. JK2, 7.5 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 48.82; Oct. 24, 49.10.

510 (*840, p. 431; 845, p. 496; 886, p. 696; 909, p. 140; 939, p. 105). R. E. Walker. NE¼NE¼ sec. 9, blk. JK2, 9 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 34.03; Oct. 8, 34.61.

511 (*840, p. 431; 845, p. 497; 886, p. 696; 909, p. 140; 939, p. 105). Dr. J. Anderson. NW¼NW¼ sec. 28, blk. JK2, 10 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 16.79; July 2, 17.56; Oct. 8, 19.88.

526 (*886, p. 696; 909, p. 140; 939, p. 106). No measurements made in 1942.

539 (*845, p. 497; 886, p. 696; 909, p. 140; 939, p. 106). No measurements made in 1942.

542 (*840, p. 432; 845, p. 497; 886, p. 696; 909, p. 140; 939, p. 106). J. B. Hay. NE¼NE¼ sec. 38, blk. A1, 6 miles northeast of Hale Center.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 6	35.62	July 23	36.21	Sept.26	36.84
28	35.78	Sept.12	36.70	Oct. 12	36.95

547 (*840, p. 432; 845, p. 497; 886, p. 697; 909, p. 141; 939, p. 106). O. C. McClain. NW¼NW¼ sec. 40, blk. A1, 7 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 52.76; Oct. 12, 54.09.

549 (*840, p. 432; 845, p. 497; 886, p. 697; 909, p. 141; 939, p. 106). Measurements discontinued.

552 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). H. S. Dunaway. NE¼NW¼ sec. 6, blk. A1, 4 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 59.35; Oct. 29, 59.55.

553 (*840, p. 432; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). Texas Land & Development Co. NW¼NE¼ sec. 6, blk. A1, 4.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 54.36; Oct. 29, 54.54.

564 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). T.F. Mounts. NW¼SW¼ sec. 20, blk. A1, 2 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 57.37; July 25, 57.18; Oct. 29, 57.29.

567 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). J. B. Maxey. SW¼SW¼ sec. 19, blk. A1, 1.25 miles northeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 52.55; July 25, 52.90; Oct. 29, 53.13.

569 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). O. C. Sanders. SW¼SW¼ sec. 3, blk. A1, 1 mile southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 53.48; Oct. 29, 53.85.

605 (*840, p. 433; 845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). J. O. Douglas. NE¼NE¼ sec. 23, blk. O, 11.5 miles northwest of Hale Center. Water levels, in feet below measuring point, 1942: Feb. 28, 85.89; July 25, 86.52; Oct. 24, 86.24.

621 (*845, p. 498; 886, p. 697; 939, p. 106). No measurements made in 1942.

719a (*845, p. 498; 886, p. 697; 909, p. 141; 939, p. 106). W. Bogart. NE¼NE¼NE¼ sec. 22, Sabine County School land, 15 miles southwest of Hale Center. Water level, in feet below measuring point, 1942: Mar. 13, 75.51.

719b (*886, p. 697; 909, p. 141; 939, p. 106). W. Bogart. NE¼NW¼ sec. 22, Sabine County School land, 17.5 miles southwest of Hale Center. Water level, in feet below measuring point, 1942: Mar. 13, 4.52.

720b (*845, p. 499; 886, p. 698; 939, p. 106). No measurements made in 1942.

736b (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 106). Ross Title Insurance Co. NW¼ tract 12, blk. X, 2 miles north, thence 6.5 miles west from Abernathy, and 16 miles southwest of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 24.26; July 23, 22.74.

816 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). A. M. Eason. SE¼SE¼ sec. 18, blk. R, 9.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 54.48; Oct. 30, 54.47.

822 (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). Elsie Thorton. SW¼SW¼ sec. 37, blk, A4, 6.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 49.68; July 23, 50.95.

824 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). J. Wells Kinkaid. SW¼NW¼ sec. 29, blk. A4, 4.75 miles south of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 64.32; July 23, 63.99; Oct. 29, 64.12.

825 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). Matilda Akeson. NW¼NW¼ sec. 18, blk. A4, 3.25 miles north of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 65.97; July 25, 65.84; Oct. 29, 65.83.

828 (*888, p. 698; 909, p. 142; 939, p. 107). G.W. Bigler. NW¼NE¼ sec. 33, blk. A4, 5 miles south of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 72.98; Oct. 29, 73.03.

833 (*840, p. 434; 845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). Measurements discontinued.

834 (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). R. E. Sikes. NE¼SE¼ sec. 64, blk. A4, 8.5 miles south of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 76.94; July 23, 76.75; Oct. 29, 76.74.

835 (*845, p. 499; 886, p. 698; 909, p. 142; 939, p. 107). Measurements discontinued.

837 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107). F. L. Hunsickar. NW¼NW¼ sec. 54, blk. A4, 8 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 64.18; July 23, 63.76; Oct. 29, 63.58.

840 (*845, p. 500; 886, p. 698; 909, p. 142; 939, p. 107). Debb McLaughlin. NE¼SE¼ sec. 12, blk. R, 12 miles southeast of Hale Center. Water level, in feet below measuring point, 1942: Mar. 12, 59.52.

848 (*886, p. 698; 909, p. 142; 939, p. 107). Mrs. J. E. Cheney. SE¼NE¼ sec. 75, blk. A4, 12.5 miles south of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, pumping; July 23, pumping; Oct. 30, 95.82.

852 (*845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107). Abernathy Cemetery. SW¼SE¼ sec. 2, blk. X, 15 miles south of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 13, 117.40; July 23, pumping; Oct. 30, 117.05.

859 (*886, p. 699; 909, p. 142; 939, p. 107). L. Ragland. NW¼SE¼SE¼ sec. 22, blk. CL, 15.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 74.57; Oct. 30, 73.69.

906 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107). Floyd Reagan. SW¼SE¼ sec. 59, blk. R, 14 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 39.10; Oct. 30, 39.97.

923 (*840, p. 434; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107). D. C. Bayley. NW¼NW¼ sec. 28, blk. R, 9.5 miles east of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 53.94; Oct. 30, 53.83.

936 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 142; 939, p. 107). B. E. Porter. NW¼NW¼ C. K. Andrews survey, east of sec. 38, blk. R, 14 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 45.51; Oct. 30, 45.92.

946 (*886, p. 699; 909, p. 143; 939, p. 107). B. E. Porter. SE¼SE¼ C. K. Andrews survey, east of sec. 38, blk. R, 14.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 59.40; Oct. 30, 59.24.

956 (*845, p. 500; 886, p. 699; 909, p. 143; 939, p. 107) J. W. Heard. SW¼NW¼ sec. 7, blk. R, 11.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 65.29; Oct. 30, 65.52.

958 (*840, p. 435; 845, p. 500; 886, p. 699; 909, p. 143; 939, p. 107). W. C. Sewell. SW¼NW¼ sec. 9, blk. R, 12 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 57.02; Oct. 30, 56.82.

971 (*886, p. 699; 909, p. 143; 939, p. 107). L. S. Claitor. NW. corner NW¼ sec. 15, blk. CL, 17.5 miles southeast of Hale Center. Water levels, in feet below measuring point, 1942: Mar. 12, 60.58; Oct. 30, 60.28.

974a (*886, p. 699; 909, p. 143; 939, p. 107). No measurements made in 1942.

Harris County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886, 909, and 939.

6a (*777, p. 206; 840, p. 437; 886, p. 700; 909, p. 144; 939, p. 108). C. Matthews, formerly owned by H. H. Strickland. In Waller. Water levels, in feet below measuring point, 1942: Jan. 23, 8.47; July 28, 9.89; Sept. 17, 11.95.

11 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 700; 909, p. 144). J. A. Hafner. 2.25 miles east-southeast of Waller.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1941	45.70	Mar. 26, 1941	45.11	Dec. 18, 1941	45.20
17	45.48	May 13	44.25	Jan. 23, 1942	44.30
29	45.96	27	45.60	July 28	44.81
Feb. 12	44.85	June 10	45.11	Oct. 21	48.42
22	45.41	July 8	45.41	Nov. 27	44.76
26	45.29				

12 (*909, p. 144). J. A. Hafner. 2 miles northwest of Hockley.

Water level, in feet below measuring point, 1941-42

Jan. 9, 1941	47.98	May 27, 1941	48.20	Sept. 4, 1941	49.34
17	48.50	June 10	48.10	Nov. 6	48.03
24	47.95	20	48.24	Dec. 18	47.96
Feb. 12	47.92	July 30	48.95	Jan. 23, 1942	47.95
22	48.40	Aug. 16	47.95	July 28	48.01
Mar. 26	48.2				

14 (*886, p. 701; 909, p. 144; 939, p. 108). J. A. Hafner. 1.75 miles east of Waller. Water levels, in feet below measuring point, 1942: Jan. 23, 52.66; May 5, 51.95; July 28, 60.30; Sept. 17, 60.27.

31 (*777, p. 206; 840, p. 437; 845, p. 501; 886, p. 701; 909, p. 144; 939, p. 108). R. L. Burton. 4 miles east-southeast of Waller.

Water level, in feet below measuring point, 1942

Jan. 23	40.52	July 28	55.59	Nov. 26	43.41
May 5	39.57	Sept.17	50.70		

33 (*886, p. 701; 909, p. 144; 939, p. 109). W. G. Neeley. 5 miles east-southeast of Waller.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	20.18	May 5	24.78	Aug. 24	35.45	Oct. 21	34.84
Feb. 27	21.34	July 28	31.10	Sept.17	33.43	Nov. 27	32.41

35 (*777, p. 207; 840, p. 437; 845, p. 501; 886, p. 701; 909, p. 144; 939, p. 109). O. M. Taylor. 6.25 miles east-southeast of Waller.

Water level, in feet below measuring point, 1942

Jan. 23	16.57	May 5	14.68	Aug. 24	20.80	Nov. 27	23.73
Feb. 27	16.75	July 28	18.07	Sept.17	20.31		

36 (*777, p. 207; 840, p. 437; 845, p. 502; 886, p. 701). O. M. Taylor. 1.5 miles east of Hockley.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1941	18.25	Dec. 18, 1941	13.03	May 5, 1942	11.01
Mar. 1	16.14	Jan. 23, 1942	12.83	Aug. 24	17.15
Apr. 4	15.16	Feb. 27	13.48	Sept.17	16.88

40 (*909, p. 145; 939, p. 109). Ira Southard. Near Hockley. Water levels, in feet below measuring point, 1942: Jan. 23, 42.26; Mar. 17, 41.30; Sept. 24, 50.70.

95 (*777, p. 207; 840, p. 437; 886, p. 701; 909, p. 145; 939, p. 109). H. C. Middlestead. 1.75 miles south-southeast of Spring. Water levels, in feet below measuring point, 1942: Jan. 22, 18.96; May 7, 15.48; July 29, 16.91; Sept. 28, 18.75.

97 (*777, p. 207; 840, p. 437; 845, p. 502; 886, p. 701). H. C. Middlestead. 1.75 miles east-southeast of Spring.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1941	14.30	Aug. 15,1941	13.03	Jan. 22, 1942	7.85
Feb. 26	11.43	Sept.19	13.04	May 7	7.20
Apr. 8	12.60	Nov. 4	3.36	July 29	7.80
June 3	12.34	Dec. 16	10.18	Sept.18	7.45
July 3	11.95				

102 (*886, p. 701; 909, p. 145; 939, p. 109). C. P. Addison. 4.5 miles south of Spring.

Water level, in feet below measuring point, 1942

Jan. 22	3.95	July 29	6.85	Nov. 27	12.57
May 7	5.75	Sept.18	9.28		

104 (*886, p. 702; 909, p. 145; 939, p. 109). C. P. Addison. 4.5 miles south of Spring. Water levels, in feet below measuring point, 1942: Jan. 22, 11.11; May 7, 10.90; July 29, 17.00; Sept.18, 15.94.

120 (*909, p. 145). Ridgeview Land Co. 0.25 mile west of Gano Switch.

Water level, in feet below measuring point, 1941-42

Jan. 9, 1941	34.12	Feb. 22, 1941	33.22	May 27, 1941	32.02
17	33.49	26	32.97	June 10	31.56
24	33.42	Mar. 27	32.22	Sept. 4	33.61
31	33.45	May 13	31.90	May 5, 1942 a	28.86
Feb. 12	32.96				

134 (*886, p. 702; 909, p. 145; 939, p. 109). Ira Southard. 9 miles southwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 21, 51.13; Mar. 18, 49.97; Sept. 25, 52.15.

136 (*886, p. 702; 909, p. 145; 939, p. 109). J. Freeman. 9 miles southwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 20, 51.32; Mar. 18, 50.01; Sept. 24, 54.20.

139a (*886, p. 702; 909, p. 145; 939, p. 109). E. W. Peak. 8.75 miles southwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 15, 48.99; Mar. 18, 47.16.

140 (*886, p. 702; 909, p. 145; 939, p. 109). Oscar Kemp. 7.75 miles southwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 15, 46.66; Mar. 18, 44.98.

166 (*777, p. 207; 840, p. 437; 886, p. 702; 909, p. 145). E. C. Smith. 1.75 miles northwest of Cypress.

Water level, in feet below measuring point, 1941-42

Mar. 27, 1941	1.60	July 7, 1941	3.85	Dec. 19, 1941	2.54
May 13	2.89	30	2.98	Jan. 23, 1942	1.64
27	4.22	Aug. 16	3.67	May 5	2.70
June 10	2.03	Sept. 4	5.24	July 28	4.28
20	2.47	Nov. 6	1.44		

167 (*777, p. 208; 840, p. 437; 845, p. 502; 886, p. 702; 909, p. 146). E. C. Smith. 1.75 miles northwest of Cypress.

a Measurements discontinued after May 5.

167. E. C. Smith--Continued.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
May 27, 1941	10.64	July 7, 1941	10.42	Dec. 19, 1941	10.32
June 10	10.26	Aug. 16	12.60	July 28, 1942	13.07
20	9.47	Nov. 6	10.68		

169a (*886, p. 703; 909, p. 146; 939, p. 109). Ben Pewe. 2.9 miles northwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 23, 11.00; Mar. 17, 10.30; Oct. 21, 15.28.

171 (*777, p. 208; 840, p. 437; 845, p. 502; 886, p. 703; 909, p. 146). E. H. Juergen. In Cypress.

Water level, in feet below measuring point, 1941-42

Jan. 28, 1941	17.18	Aug. 16, 1941	9.60	Jan. 21, 1942	9.41
Mar. 1	16.51	Sept.19	9.73	May 5	8.91
Apr. 4	11.75	Nov. 6	9.40	July 28	8.68
May 23	10.78	Dec. 19	9.49	Sept.17	8.98
July 7	9.80				

178 (*777, p. 208; 840, p. 437; 886, p. 709; 909, p. 146; 939, p. 110). K. P. Black. 5 miles southeast of Cypress. Water levels, in feet below measuring point, 1942: Jan. 21, 2.45; May 5, 3.45; July 28, 4.34; Sept. 17, 2.81.

182 (*886, p. 703; 909, p. 146; 939, p. 110). Joel Schmidt. 4.5 miles south of Cypress. Water levels, in feet below measuring point, 1942: Jan. 21, 30.53; Mar. 18, 29.87; Sept. 25, 34.65.

183 (*886, p. 703; 909, p. 146; 939, p. 110). J. J. Sweeney. 5.75 miles south of Cypress. Water levels, in feet below measuring point, 1942: Jan. 21, 28.56; Mar. 18, 28.00.

186 (*886, p. 703; 909, p. 146; 939, p. 110). Mr. Tucker. 6 miles south-southwest of Cypress. Water levels, in feet below measuring point, 1942: Jan. 15, 29.76; Mar. 18, 28.66; Sept. 25, 33.66.

187 (*909, p. 146). Measurements discontinued.

205 (*777, p. 209; 840, p. 437; 845, p. 502; 886, p. 703; 909, p. 146; 939, p. 110). Humble Pipe Line Co. 6.25 miles southeast of Cypress.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	34.70	May 5	33.65	Aug. 24	35.60	Oct. 21	36.69
Feb. 27	34.12	July 28	34.72	Sept.17	36.04	Nov. 27	36.33

206 (*777, p. 209; 840, p. 438; 845, p. 502; 886, p. 703; 909, p. 147; 939, p. 110). R. B. Tucker. 6.5 miles southeast of Cypress. Water levels, in feet below measuring point, 1942: Jan. 23, 25.70; May 5, 24.14; July 28, 31.98.

210 (*777, p. 209; 840, p. 438; 886, p. 703; 909, p. 147; 939, p. 110). 7.25 miles southeast of Cypress.

Water level, in feet below measuring point, 1942

Jan. 23	17.60	May 5	16.75	Aug. 24	24.68	Oct. 21	22.04
Feb. 27	17.34	July 28	22.60	Sept.17	21.75	Nov. 27	20.06

221 (*886, p. 703; 909, p. 147; 939, p. 110). S. Terpstra. 10.75 miles east of Cypress.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 22	34.00	July 29	35.83	Nov. 27	36.80
May 7	33.13	Sept.18	37.03		

225 (*886, p. 704; 909, p. 147; 939, p. 110). Trinity & Brazos Valley Railway Co. 11.5 miles east-southeast of Cypress. Water levels, in feet below measuring point, 1942: Jan. 22, 35.60; May 7, 34.78; Nov. 27, 37.2.

255 (*886, p. 704; 909, p. 147; 939, p. 110). J. M. Blake. 2.5 miles west-northwest of Aldine. Water levels, in feet below measuring point, 1942: Jan. 22, 9.26; Sept.18, 15.74; Nov. 27, 17.47.

256 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 704; 909, p. 147). Measurements discontinued.

264 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 704; 909, p. 147; 939, p. 110). H. Weary. 3 miles north of Aldine.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 22	38.47	July 29	38.62	Nov. 27	40.25
May 7	38.12	Sept.18	39.20		

264a (*886, p. 704; 909, p. 147; 939, p. 111). Measurements discontinued.

302 (*886, p. 704; 909, p. 147; 939, p. 111). Rebel Oil Co. No measurements made in 1942.

352 (*886, p. 704; 909, p. 147; 939, p. 111). A. E. Thompson. 5.75 miles north of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 54.39; Mar. 18, 53.20; Sept. 24, 57.60.

357 (*886, p. 705; 909, p. 147; 939, p. 111). P. V. Cook. 4.5 miles north-northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 51.83; Mar. 18, 49.34; Oct. 21, 56.54.

362 (*886, p. 705; 909, p. 147; 939, p. 111). E. G. Stockdick. 4 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 44.16; Mar. 18, 42.60; Oct. 21, 49.02.

367 (*886, p. 705; 909, p. 148; 939, p. 111). W. C. Hickman. 3.25 miles east-northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 44.81; Mar. 18, 43.63; Oct. 21, 48.55.

368. City of Houston test well 10-a. In Westfield. Unused drilled test well, diameter 3½ inches, screen from 757 to 772 feet. Measuring point, top of tee on top of air line, 4.5 feet above land surface.

Water level, in feet below measuring point, 1939-42

Aug. 31, 1939	28.02	Dec. 5, 1940	31.06	Nov. 4, 1941	30.34
Sept.25	28.34	Jan. 27, 1941	30.95	Dec. 16	30.67
Dec. 18	29.11	Feb. 26	30.64	Jan. 22, 1942	30.44
Feb. 15, 1940	29.14	Apr. 7	30.41	May 7	30.10
May 1	29.25	June 3	30.13	July 29	30.26
June 28	29.59	July 3	30.02	Sept.18	30.38
Aug. 20	30.31	Aug. 15	30.11	Nov. 27	30.80
Oct. 4	31.02	Sept.19	30.21		

370 (*886, p. 705; 909, p. 148; 939, p. 111). J. M. Johnson. 3 miles east of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 44.60; Feb. 6, 44.01; Mar. 18, 43.17.

371 (*909, p. 148; 939, p. 111). L. E. Morrison. 3 miles southeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 20, 42.19; Mar. 18, 40.65; Sept. 22, 48.72.

381 (*886, p. 705; 909, p. 148; 939, p. 111). W. H. Hegar. 7.5 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 32.47; Mar. 18, 31.73; Sept. 25, 34.10.

382 (*886, p. 705; 909, p. 148; 939, p. 111). C. Stockdick. 6 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 21, 40.49; Mar. 18, 39.40; Sept. 25, 41.70.

588859 O—44——9

384 (*886, p. 705; 909, p. 148; 939, p. 111). A. J. Jordan. 6 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 43.50; Mar. 18, 42.00; Oct. 21, 45.08.

385 (*886, p. 705; 909, p. 148; 939, p. 111). A. J. Jordan. 6 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 42.06; Mar. 18, 41.10; Oct. 21, 44.78.

399 (*886, p. 706; 909, p. 148; 939, p. 111). Gertie Rice Farm. 9.5 miles northeast of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 32.45; Sept. 25, 34.78.

400 (*886, p. 706; 909, p. 148; 939, p. 111). Schmidt Estate. 11 miles northeast of Katy. Water level, in feet below measuring point, 1942: Jan. 15, 26.36.

417. F. H. Liestman. 2 miles southeast of Alief. Unused drilled well, diameter 2 inches, depth 125 feet. Measuring point, top of casing, 0.5 foot above land surface.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1939	19.93	May 3, 1940	22.83	July 16, 1941	21.50
May 29	20.27	June 25	23.20	Aug. 14	21.83
Aug. 1	20.77	Aug. 5	23.65	Nov. 25	21.90
Sept.28	22.27	Feb. 18, 1941	23.14	Jan. 3, 1942	21.46
Dec. 15	23.15	Apr. 2	22.39	28	21.23
Feb. 20, 1940	22.95	June 3	21.68	July 15	21.39

456 (*909, p. 148; 939, p. 111). Frank Willberg. On Hempstead road, 0.5 mile southeast of Fairbanks.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	41.20	May 5	40.32	Aug. 24	42.88	Oct. 21	43.31
Feb. 27	40.82	July 28	41.44	Sept.17	42.56	Nov. 27	43.27

472. R. A. Harvey. 10.5 miles west of Houston. Used drilled domestic and stock well, diameter 4 inches, screen from 340 to 365 feet. Measuring point, top of 1¼-inch tee on airline, 2.0 feet above land surface. Equipped with air lift. Measurements discontinued after Jan. 2, 1942.

Water level, in feet below measuring point, 1938-42

Date	Water level	Date	Water level	Date	Water level
Dec. 10, 1938	36.12	Mar. 23, 1940	39.05	Apr. 2, 1941	40.58
Mar. 27, 1939	35.33	Apr. 26	39.3	June 3,	40.28
Aug. 2	37.95	June 25	40.47	July 16	40.50
31	38.90	Aug. 5	41.67	Aug. 14	41.48
Sept.28	39.45	Oct. 2	43.95	Sept.20	41.20
Nov. 1	39.84	Nov. 28	42.98	Nov. 25	41.92
Dec. 15	39.57	Feb. 18, 1941	41.43	Jan. 2, 1942	41.90
Feb. 13, 1940	39.01				

473. H. W. Rasmussen. 8.5 miles west of Houston. Used drilled domestic and stock well, diameter 6 inches, screen from 386 to 416 feet. Measuring point, top of 1-inch hole in inner pump base, 0.5 foot above land surface. Equipped with turbine pump and electric motor.

Water level, in feet below measuring point, 1938-42

Dec. 9, 1938	31.75	Nov. 1, 1939	35.95	Nov. 28, 1940	39.36
Feb. 10, 1939	31.08	Dec. 15	35.48	Jan. 21, 1941	38.35
Mar. 27	31.02	Feb. 13, 1940	34.96	Feb. 18	37.80
June 28	33.02	Mar. 23	35.15	Apr. 2	37.00
Aug. 2	34.00	June 25	36.65	June 3	37.00
31	35.06	Aug. 5	37.93	July 16	37.4
Sept.28	35.60	Oct. 2	40.33	Aug. 14	38.25

473. H. W. Rasmussen--Continued.

Water level, in feet below measuring point, 1938-42

Date	Water level	Date	Water level	Date	Water level
Nov. 25, 1941	39.02	May 27, 1942	38.05	Sept.14, 1942	40.40
Jan. 28, 1942	38.04	July 15	38.97	Oct. 22	40.94
Feb. 28	37.75	Aug. 18	40.02	Nov. 25	40.85
Apr. 10, 1942	37.60				

489. City of Houston test well 4-a. 2 miles west of Alief. Unused drilled test well, diameter 3½ inches, screen from 449 to 464 feet. Measuring point, top of nipple, 2.8 feet above land surface.

Water level, in feet below measuring point, 1939-42

May 29, 1939	28.68	Aug. 5, 1940	34.95	Jan. 3, 1942	31.83
June 28	29.53	Oct. 2	36.20	28	31.63
Aug. 1	30.59	Nov. 27	34.62	Feb. 28	31.34
31	31.90	Jan. 31, 1941	33.03	Apr. 10	31.06
Sept.28	32.35	Feb. 18	32.52	May 27	31.33
Nov. 1	32.1	Apr. 2	31.81	July 15	33.42
Dec. 15	31.32	June 3	31.95	Aug. 18	35.21
Feb. 13, 1940	30.75	July 16	32.87	Sept.14	34.97
Mar. 23	30.59	Aug. 14	33.73	Oct. 22	34.21
Apr. 26	31.00	Sept.20	34.64	Dec. 23	33.18
June 25	33.60	Nov. 25	32.55		

490. City of Houston test well 5. In Alief. Unused drilled test well, diameter 3½ inches, screen from 1,167 to 1,182 feet. Measuring point, top of air line, 4.2 feet above land surface.

Water level, in feet below measuring point, 1939-42

May 29, 1939	40.20	Aug. 5, 1940	45.13	Nov. 25, 1941	49.18
June 28	40.75	Oct. 2	47.05	Jan. 3	49.06
Aug. 1	41.61	Nov. 28	47.78	28	49.09
31	42.62	Jan. 21, 1941	47.19	Feb. 28	48.90
Sept.28	43.57	Feb. 18	46.90	Apr. 10	48.74
Nov. 1	44.31	Apr. 2	46.40	May 27	48.80
Dec. 15	44.43	June 3	46.40	July 15	49.65
Feb. 13, 1940	44.02	July 16	46.70	Aug. 18	50.55
Mar. 23	43.83	Aug. 14	47.20	Sept.14	51.08
Apr. 26	43.92	Sept.20	48.07	Oct. 22	51.63
June 25	44.20				

496. Diamond "L" Ranch. On U. S. Highway 90 at Ford Bend County line, 13.2 miles southwest of Houston. Used drilled domestic and stock well, diamter 6 inches, screen from 299 to 315 feet. Measuring point, top of concrete block, 1.5 feet above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1938-42

Dec. 6, 1938	30.46	Feb. 21, 1940	32.83	June 3, 1941	34.20
Mar. 10, 1939	30.83	June 26	33.80	Nov. 24	34.55
May 22	30.99	Aug. 5	34.01	Jan. 3, 1942	34.42
Sept.28	32.27	Jan. 21, 1941	34.93	27	34.50
Dec. 15	32.82	Apr. 5	34.62	July 15	34.25

498. Brae Burn Country Club. 11 miles southwest of Houston. Used drilled well, diameter 10-3/4 inches, screen from 573 to 699 feet. Measuring point, top of air line hole in inner pump base, 3.0 feet above land surface. Equipped with turbine pump and 15 hp. electric motor.

Water level, in feet below measuring point, 1938-42

Dec. 13, 1938	34.88	Nov. 27, 1940	42.28	Jan. 3, 1942	41.53
Feb. 9, 1939	34.05	Jan. 21, 1941	41.18	27	41.39
May 29	35.94	Feb. 18	40.87	Feb. 28	41.20
Dec. 15	38.61	Apr. 2	40.35	Apr. 10	41.19
Feb. 20, 1940	37.77	June 3	41.40	Sept.14	43.53
May 3	38.59	July 16	41.21	Oct. 22	44.05
June 25	40.9	Sept.20	42.10	Nov. 25	43.76
Oct. 2	43.07	Nov. 24	42.07	Dec. 23	41.78

512 (*777, p. 210; 840, p. 438; 845, p. 502; 886, p. 706; 909, p. 148; 939, p. 112). Ed Nickols. 8.5 miles west-northwest of Houston. Water level, in feet below measuring point, 1942: Jan. 21, 3.53.

519 (*886, p. 706; 909, p. 148; 939, p. 112). Felix Meyers. 6.75 miles west-northwest of Houston. Water levels, in feet below measuring point, 1942: Jan. 21, 3.3; May 5, 7.5; July 28, 7.67.

602 (*777, p. 211; 840, p. 438; 845, p. 502; 886, p. 706; 909, p. 148; 939, p. 112). River Oaks Country Club. 4 miles north of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	72.66	Apr. 10	73.46	July 15	77.76	Sept.14	79.01
28	71.83	May 21	78.11	Aug. 18	79.08	Nov. 25	80.73
Feb. 28	71.38						

604 (*886, p. 706; 909, p. 148; 939, p. 112). West End Ice Co. 2.5 miles northwest of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 2	76.98	Apr. 10	75.64	July 15	79.58	Oct. 22	80.55
24	75.85	May 20	77.14	Aug. 21	80.72	Nov. 25	79.48
Feb. 27	76.06						

606 (*886, p. 706; 909, p. 149; 939, p. 112). Henke & Pillot. 2 miles west-northwest of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 2	89.67	Apr. 10	92.64	Aug. 21	98.08	Oct. 22	98.95
24	88.95	May 20	92.82	Sept.14	98.01	Nov. 25	98.42
Feb. 27	88.50	July 15	96.68				

608 (*886, p. 707; 909, p. 149; 939, p. 112). Fidelity Products Co. 1.75 miles west-northwest of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 2	85.66	Apr. 10	83.80	Aug. 21	92.23	Oct. 22	91.15
24	84.44	May 20	87.78	Sept.14	92.43	Nov. 25	89.82
Feb. 27	83.44	July 15	91.03				

609 (*887, p. 707; 909, p. 149; 939, p. 112). Fidelity Products Co. 1.75 miles west-northwest of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 2	93.17	Apr. 10	97.17	Aug. 21	102.55	Oct. 22	104.01
24	92.44	May 20	97.65	Sept.14	102.46	Nov. 25	102.38
Feb. 27	93.74	July 15	101.85				

610 (*886, p. 707). Measurements discontinued.

619 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 707; 909, p. 149; 939, p. 112). City of Houston. 1.5 miles west-northwest of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 2	88.70	Apr. 10	96.55	Aug. 21	102.05	Oct. 22	103.85
24	88.27	May 20	98.14	Sept.14	101.17	Nov. 25	100.00
Feb. 27	91.80	July 17	99.39				

620 (*886, p. 707; 909, p. 149; 939, p. 112). Measurements discontinued.

651a. 649 (*886, p. 708; 909, p. 149; 939, p. 113). A. Wilke. 9 miles north of Houston post office.

651a. 649. A. Wilke--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 22	63.01	July 29	63.85	Nov. 27	66.34
May 7	62.75	Sept.18	65.06		

651b. 232 (*886, p. 708; 909, p. 149; 939, p. 113). A. Wilke. 9 miles north of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 22	7.98	July 29	9.74	Nov. 27	10.52
May 7	8.73	Sept.18	9.54		

651c. 648 (*886, p. 708; 909, p. 149; 939, p. 113). J. W. Follis. Gulf Bank Road, 0.55 mile east of U. S. Highway 75.

Water level, in feet below measuring point, 1942

Jan. 22	55.10	July 29	55.57	Nov. 27	57.70
May 7	54.45	Sept.18	56.47		

651d. 650 (*886, p. 708; 909, p. 149; 939, p. 113). 8 miles north of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 22	68.60	July 29	70.26	Nov. 27	72.65
May 7	67.90	Sept.18	72.35		

656 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 708; 909, p. 150; 939, p. 113). Texas Creosoting Co. 4.5 miles north of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 26	96.50	May 20	99.32	Oct. 22	106.46
Feb. 26	95.07	Aug. 20	103.41	Nov. 25	107.02

662 (*886, p. 709; 909, p. 150; 939, p. 113). South Texas Cotton Oil Co. 2.5 miles north-northeast of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 26	98.15	May 20	102.67	Sept.16	115.45
Feb. 28	97.30	July 20	113.21		

663 (*886, p. 709; 909, p. 150; 939, p. 113). South Texas Cotton Oil Co. 2.5 miles north-northeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	77.37	May 20	77.60	Aug. 20	81.28	Oct. 22	80.88
26	76.49	July 20	81.52	Sept.16	81.26	Nov. 25	80.52

665 (*886, p. 709; 909, p. 150; 939, p. 113). National Lumber & Creosoting Co. 2.75 miles north-northeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 2	74.3	May 20	72.60	Sept.16	77.55
26	73.4	July 20	76.41		

666a. 623 (*886, p. 709; 909, p. 150; 939, p. 113). Houston Foundry & Machine Co. At 2005 White and Weber Streets, Houston.

666a. 623. Houston Foundry & Machine Co.--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	91.00	Apr. 10	88.64	Aug. 21	95.68	Oct. 22	96.35
24	89.60	May 21	91.00	Sept.14	96.20	Nov. 25	95.74
Feb. 27	88.75	July 15	93.97				

677 (*886, p. 709; 909, p. 150). Measurements discontinued.

680 (*777, p. 212; 840, p. 438; 845, p. 503; 886, p. 710; 909, p. 150; 939, p. 114). Houston Electric Co. 0.5 mile northeast of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 23	84.50	Apr. 9	85.74	July 17	93.40	Sept.15	94.69
Feb. 27	85.28	May 21	94.15	Aug. 19	93.46		

695 (*886, p. 710; 909, p.150). Measurements discontinued.

711. San Jacinto Hotel. At 820 Main Street, Houston. Unused drilled well, diameter 6 inches, screen from 824 to 884 feet. Measuring point, top of casing, 10 feet below street level.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
July 22, 1940	114.50	Sept.28, 1940	121.96	Dec. 19, 1941	114.3
27	115.9	Oct. 12	118.31	Jan. 23, 1942	108.3
Aug. 10	122.66	June 5, 1941	114.35	May 19	116.7
24	125.30	Aug. 14	118.5	July 17	124.6
Sept.14	125.30	Nov. 17	112.0	Oct. 22	124.45

738 (*886, p. 710; 909, p. 151; 939, p. 114). Measurements discontinued.

741 (*777, p. 212; 840, p. 439; 845, p. 503; 886, p. 710). Measurements discontinued.

748 (*909, p. 151; 939, p. 114). Gulf Pipe Line Co. 5 miles northeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	84.92	May 21	85.11	Aug. 20	91.42	Oct. 23	93.44
Feb. 28	84.30	July 20	90.67	Sept.15	92.08	Nov. 24	94.62

751 (*886, p. 710; 909, p. 151; 939, p. 114). Texas Pipe Line Co. 6 miles east-northeast of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 26	94.25	July 20	99.70	Sept.15	102.15	Nov. 24	104.95
Feb. 28	93.67	Aug. 20	101.70	Oct. 23	103.78	Dec. 10	105.0
May 21	94.92						

757 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; 909, p. 151; 939, p. 114). Layne-Bowler Co. 4.25 miles east of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 26	a97.5	May 21	a100	Aug. 20	a106	Sept.16	a106
Feb. 28	a97	July 20	a104	Sept.15	a105	Dec. 10	a 98

759 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; 909, p. 151; 939, p. 114). Port City Compress & Warehouse Co. 4.75 miles east of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 26	106.07	Sept.15	113.45	Nov. 24	116.41
Aug. 20	112.43	Oct. 23	115.03		

a Air line measurement.

785 (*777, p. 213; 840, p. 439; 845, p. 503; 886, p. 711; 909, p. 151; 939, p. 114). Houston Riding & Polo Club. 6 miles west of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 28	56.16	July 15	57.90	Nov. 25	59.78
Apr. 10	55.94	Sept.14	59.24		

787 (*886, p. 711; 909, p. 151; 939, p. 114). American Service Co. At 1623 Westheimer Street, Houston.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	74.06	Apr. 10	75.70	Aug. 21	83.18	Oct. 22	82.88
28	73.40	May 21	79.0	Sept.17	83.10	Nov. 25	82.20
Feb. 28	72.82	July 15	83.25				

787a. 779 (*886, p. 711; 909, p. 152; 939, p. 114). American Service Co. At 1623 Westheimer Street, Houston. Water levels, in feet below measuring point, 1942: Jan. 2, 82.90; Jan. 28, 81.59; Feb. 28, 81.58; Apr. 10, 83.70.

787b. 780 (*886, p. 712; 909, p. 152). Measurements discontinued.

788 (*886, p. 712; 909, p. 152). Measurements discontinued.

790 (*886, p. 712; 909, p. 152; 939, p. 114). Southern United Ice Co. At 4102 Almeda Street, Houston. Water levels, in feet below measuring point, 1942: Jan. 2, 87.20; Jan. 28, 85.27; Apr. 10, 84.76; Dec. 18, 90.55.

798 (*886, p. 712; 909, p. 152; 939, p. 115). Rice Institute. 3.5 miles southwest of Houston post office. Water levels, in feet below measuring point, 1942: Jan. 2, 72.19; Jan. 27, 71.85. Measurements discontinued.

798a (*886, p. 712; 909, p. 152; 939, p. 115). H. C. Weiss. At South Main and Sunset Streets, Houston.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 2	81.37	Apr. 10	80.45	Oct. 22	85.20
27	80.85	May 21	82.62		

802 (*886, p. 712; 909, p. 152). Measurements discontinued.

804 (*886, p. 712; 909, p. 152). Measurements discontinued.

807a (*886, p. 713; 909, p. 152; 939, p. 115). City of Bellaire. At Rice and Jessamine Streets, Bellaire. Water levels, in feet below measuring point, 1942: Jan. 2, 56.56; Jan. 28, 56.55; July 15, 57.90; Oct. 22, 61.78.

809 (*886, p. 713; 909, p. 152; 939, p. 115). Gem Electric & Ice Co. In Bellaire.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	71.36	Apr. 10	71.54	Aug. 18	73.74	Nov. 25	75.80
27	70.80	May 21	72.65	Sept.14	79.95	Dec. 23	75.70
Feb. 27	70.34	July 15	73.54	Oct. 22	75.82		

820 (*886, p. 713; 909, p. 153; 939, p. 115). Institute Place. Almeda Road, 5.5 miles south-southwest of Houston post office. Water levels, in feet below measuring point, 1942: Apr. 10, 41.65; July 16, 42.08.

853 (*886, p. 713; 909, p. 153; 939, p. 115). Port City Ice Co. At 2715 McKinney Avenue, Houston.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	97.34	May 19	a113.72	Aug. 19	a118.04	Oct. 22	a116.60
Feb. 27	96.82	July 16	a117.12	Sept.15	a117.70	Nov. 24	a116.16
Apr. 9	98.34						

854 (*886, p. 714; 909, p. 153; 939, p. 115). Port City Ice Co. At 2715 McKinney Avenue, Houston.

Water level, in feet below measuring point, 1942

Jan. 23	98.61	May 19	a107.40	Aug. 19	a113.75	Oct. 22	a112.65
Feb. 27	97.20	July 16	a111.82	Sept.15	a113.66	Nov. 24	a114.91
Apr. 9	98.30						

868 (*886, p. 714; 909, p. 153; 939, p. 115). Hughes Tool Co. 3 miles southeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 23	73.03	May 19	77.80	Sept.15	80.72
Apr. 9	72.98	July 17	80.79		

876 (*886, p. 714; 909, p. 153; 939, p. 115). Houston Country Club. 3.75 miles southeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	86.4	Apr. 9	87.53	Aug. 19	97.19	Nov. 24	99.82
23	86.96	May 19	89.84	Sept.15	97.76	Dec. 10	102.3
Feb. 27	85.23	July 17	95.97	Oct. 23	99.70		

878 (*886, p. 714; 909, p. 153; 939, p. 115). Houston Compress Co. Anderson-Clayton Turning Basin, Houston.

Water level, in feet below measuring point, 1942

Jan. 15	b 93.3	May 19	97.0	Sept.15	103.62	Nov. 24	106.65
Apr. 15	b 97	Aug. 19	102.80	Oct. 23	106.37	Dec. 10	104.0

881 (*886, p. 715; 909, p. 153; 939, p. 116). Terminal Compress & Warehouse Co. At 82d and Harrisburg Streets, Houston.

Water level, in feet below measuring point, 1942

Jan. 26	95.67	May 19	96.87	Sept.15	104.76	Nov. 24	108.60
Feb. 27	95.05	July 17	103.05	Oct. 23	107.42	Dec. 10	108.5
Apr. 9	96.55	Aug. 19	104.10				

883 (*886, p. 715; 909, p.153; 939, p. 116). Tennessee Coal & Iron Railroad Co. U. S. Steel Co. Near Morgan Line docks on bayou, 6.75 miles southeast of Houston post office.

Water level, in feet below measuring point, 1942

Jan. 26	122.18	July 17	126.96	Sept.15	130.55	Nov. 24	135.0
May 20	124.48	Aug. 20	128.46	Oct. 23	134.21		

886 (*886, p. 715; 909, p. 153). Measurements discontinued.

890 (*886, p. 715; 909, p. 153; 939, p. 116). Texas Chemical Co. 6 miles southeast of Houston post office.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
July 17	122.34	Sept.15	124.25	Nov. 24	129.05
Aug. 19	124.12	Oct. 23	128.20		

a Nearby well pumping. b Air line measurement.

898a (*886,p. 716; 909,p. 154; 939, p.116). Allen Estate. At Park Place Boulevard and Poplar Street, Houston.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	94.5	Apr. 9	95.58	Aug. 20	100.50	Nov. 24	104.10
26	94.43	May 19	95.90	Sept.16	101.18	Dec. 9	102.0
Feb. 26	94.04	July 17	98.78	Oct. 23	103.44		

909. J.W. Madden. 9 miles southeast of Houston. Formerly rice-irrigation well, now used as domestic and stock well, diameter 8 inches, depth 343 feet. Equipped with automatic pump. Measuring point, top of 2-inch board cover on casing, 1.5 feet above land surface.

Water level, in feet below measuring point, 1931, 1940-42

Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1931	20.27	Sept.30, 1940	39.60	Nov. 24, 1941	41.18
May 24, 1940	38.50	Nov. 26	40.0	Jan. 27, 1942	41.50
June 26	38.33	Feb. 19, 1941	40.03	Feb. 26	41.43
July 21	38.24	June 5	40.9	Sept.14	40.64

933. Champion Paper & Fibre Co. 9 miles northeast of Houston, about 0.5 mile south of U. S. Highway 90. Unused drilled test well, diameter 3 inches, screen from 841 to 850 feet. Measuring point, top of 3-inch collar, 1.8 feet above land surface.

Water level, in feet below measuring point, 1938-42

July 1938	50	July 15, 1939	58.33	June 4, 1941	70.57
Feb. 1939	56	Aug. 24	59.47	July 7	70.97
Apr. 4	56.85	Sept.29	60.80	Aug. 15	70.94
May 3	57.35	Oct. 31	61.53	Sept.29	70.88
17	57.73	Dec. 14	61.96	Nov. 19	71.60
June 16	58.19	Feb. 14, 1940	61.95	Dec. 31	72.58
July 2	58.60	May 2	63.10	Jan. 15, 1942	72.7
4	58.70	June 27	65.11	26	72.60
5	58.68	July 30	66.44	Feb. 28	72.75
6	58.71	Aug. 8	66.85	Apr. 15	72.70
7	58.72	Oct. 3	69.36	May 21	72.50
8	58.71	Nov. 26	69.43	July 20	73.78
9	58.70	Jan. 20, 1941	69.60	Aug. 20	75.06
10	58.67	Feb. 20	69.69	Sept.15	75.25
13	58.09	Mar. 31	69.30	Dec. 10	76.0
14	58.25				

934. Champion Paper & Fibre Co. 9 miles northeast of Houston, about 0.5 mile south of U. S. Highway 90. Unused drilled test well, diameter 4 inches, screen from 126 to 135 feet. Measuring point, top of 4-inch bushing, 0.6 foot above land surface.

Water level, in feet below measuring point, 1938-42

July 1938	46.66	Aug. 24, 1939	39.68	July 7, 1941	55.74
May 3, 1939	46.74	Sept.29	39.13	Aug. 15	56.20
17	45.36	Oct. 31	38.37	Sept.29	56.00
June 16	42.77	Dec. 14	37.62	Nov. 19	56.75
July 2	41.44	Feb. 14, 1940	35.79	Dec. 31	57.06
4	41.99	May 2	39.26	Jan. 15, 1942	57.0
5	44.88	June 27	36.30	26	57.21
6	43.90	July 3	36.27	Feb. 28	57.76
7	43.65	Aug. 8	36.47	Apr. 15	58.00
8	42.65	Oct. 3	38.00	May 21	58.60
9	45.42	Nov. 26	46.61	July 20	58.96
10	45.14	Jan. 20, 1941	53.90	Aug. 20	59.81
13	42.43	Feb. 20	55.28	Sept.15	59.66
14	41.97	Mar. 31	55.15	Dec. 10	61.0
15	41.89	June 4	55.55		

1019 (*886,p. 716; 909, p. 154; 939, p. 116). Captain Crotty. At Morgans Point, Houston, on bank of channel. Water levels, in feet below measuring point, 1942: Jan. 26, 77.23; Feb. 26, 78.93; Apr. 9, 76.10.

1020 (*886,p. 716; 909, p. 154; 939, p. 116). U. S. Engineers Reservation. At Morgans Point, Houston.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	76.13	Apr. 9	75.63	July 17	76.82	Sept.16	79.94
Feb. 26	76.20	May 19	72.02	Aug. 19	78.32	Oct. 23	82.72

1101a (*886, p. 716; 909, p. 154; 939, p. 116). M. M. Graves Estate. 8.5 miles east-northeast of South Houston.

Water level, in feet below measuring point, 1942

Jan. 26	107.00	May 19	109.31	Aug. 19	115.82	Nov. 24	117.03
Feb. 26	108.10	July 17	113.04	Oct. 23	117.36		

1104 (*909, p. 154; 939, p. 116). City of La Porte. At La Porte water plant.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Apr. 9	91.55	Aug. 19	98.72	Oct. 23	100.03
July 17	96.92	Sept.16	98.23		

1105 (*886, p. 716; 909, p. 154; 939, p. 116). Measurements discontinued.

1152a. 1150 (*886,p. 717; 909, p. 154; 939, p. 116). City of Galena Park. In Galena Park.

Water level, in feet below measuring point, 1942

Feb. 28	120.47	May 21	122.05	Aug. 20	126.48
Apr. 9	121.50	July 20	126.68	Sept.15	130.49

1154 (*886, p. 717; 909, p. 155; 939, p. 117). Universal Water Co. In Galena Park.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	84.5	Apr. 9	83.47	July 20	81.49	Nov. 24	86.02
26	84.98	May 21	84.01	Sept.15	82.53		

1161 (*886, p. 717; 909, p. 155; 939, p. 117). Sinclair Refining Co. 3 miles north of South Houston.

Water level, in feet below measuring point, 1941-42
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level
July 5, 1941	125.0	Dec. 12, 1941	125.3	May 16, 1942	122.6
10	123.9	20	124.1	23	124.3
13	127.5	27	126.7	June 1	122.0
22	120.2	Jan. 5, 1942	123.6	10	125.3
30	120.0	13	123.4	18	126.5
Aug. 7	120.1	21	122.1	26	128.2
18	121.1	29	122.6	July 6	126.4
28	121.9	Feb. 5	122.9	14	126.9
Sept. 6	120.7	13	122.6	23	128.2
13	121.2	21	123.6	31	129.2
20	121.4	28	122.8	Aug. 10	129.8
27	121.0	Mar. 7	122.2	18	129.1
Oct. 4	121.7	14	123.2	25	129.5
13	121.6	21	124.7	Sept. 2	130.2
20	123.3	28	123.8	10	130.7
27	121.7	Apr. 4	124.5	18	131.6
Nov. 3	123.4	11	123.8	28	133.9
12	124.4	18	125.4	Oct. 6	134.9
19	124.2	25	125.1	14	136.6
28	124.2	May 2	124.9	22	135.4
Dec. 5	125.5	9	123.2	30	136.0

1176 (*886, p. 718; 909, p. 155; 939, p. 117). The Texas Co. At refinery in Galena Park. Water levels, in feet below measuring point, 1942: Jan. 26, 80.32; Apr. 9, 78.88.

1182 (*886, p. 719; 909, p. 156; 939, p. 117). Port Terminal Ry. Co., At Pasadena, near southeast corner of Crown Refinery.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Jan. 15	141.5	Apr. 9	136.50	Sept.16	149.80
26	135.54	May 19	140.41	Oct. 23	154.74
Feb. 27	139.20	July 20	143.39	Nov. 24	154.03

1187 (*886, p. 719; 909, p. 156; 939, p. 117). Measurements discontinued.

1187a (*886, p. 719; 909, p. 156; 939, p. 117). Measurements discontinued.

1194 (*886, p. 719). Measurements discontinued.

1194a (*886, p. 720; 909, p. 156; 939, p. 117). 0.5 mile south of Deepwater railroad station.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	108.8	Feb. 26	109.55	July 20	112.98	Nov. 24	117.91
26	108.96	May 19	109.07	Sept.16	115.33		

1194b (*886, p. 720; 909, p. 156; 939, p. 117). 0.5 mile south of Deepwater railroad station. Water level, in feet below measuring point, 1942: Jan. 26, 10.65. Measurements discontinued.

1205 (*909, p. 156; 939, p. 117). City of South Houston. At water plant. Water levels, in feet below measuring point, 1942: May 21, 84.52; Sept. 16, 84.80; Nov. 24, 79.17.

1209 (*777, p. 214; 840, p. 439; 845,p. 503; 909, p. 156; 939, p. 117). Fireworks Co. 0.5 mile southeast of South Houston.

Water level, in feet below measuring point, 1942

Jan. 26	64.90	May 21	65.02	Aug. 19	66.07	Oct. 23	66.83
Feb. 27	64.70	July 17	65.56	Sept.16	65.85	Dec. 9	67.0
Apr. 9	64.70						

1229. City of Houston well 8. On north side of Spencer Highway. 3 miles east of South Houston. Unused drilled test well, diameter 3½ inches, screen from 1,661 to 1,676 feet. Measuring point, top of collar on casing, 1.5 feet above land surface.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
July 2, 1939	85.07	Aug. 15, 1939	82.68	Apr. 8, 1940	89.97
3	85.10	23	81.01	15	89.70
4	85.10	30	81.21	22	89.57
5	85.05	Sept. 6	81.99	29	89.44
6	85.07	27	84.40	May 6	89.48
7	84.95	Oct. 11	89.82	13	89.49
8	84.83	30	87.90	20	89.53
9	84.70	Nov. 13	87.57	31	89.67
10	84.50	27	87.50	June 3	89.78
13	82.52	Dec. 12	86.88	10	90.04
14	83.79	Jan. 9, 1940	86.89	17	92.38
15	83.70	15	87.66	24	94.99
21	83.74	17	87.74	July 1	97.15
24	83.78	Feb. 21	93.70	8	98.41
25	83.85	24	93.39	20	99.90
27	83.91	Mar. 4	92.21	Aug. 10	103.71
28	83.87	11	91.47	24	104.79
30	83.86	18	90.96	Sept. 7	106.25
Aug. 1	84.03	25	90.71	28	107.69
8	83.92	Apr. 1	90.17	Oct. 12	109.27

1229. City of Houston well 8--Continued.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
Nov. 19, 1940	109.35	Mar. 28, 1941	105.37	Feb. 27, 1942	108.89
Dec. 1	109.99	June 4	101.45	Apr. 9	107.88
16	109.98	July 8	106.70	May 19	114.97
31	110.43	Aug. 13	111.36	July 17	115.81
Jan. 10, 1941	110.70	Sept.30	113.67	Aug. 19	112.55
Feb. 15	105.79	Nov. 18	112.70	Sept.16	114.46
Mar. 2	107.10	Dec. 30	108.95	Oct. 23	112.02
13	106.90	Jan. 26, 1942	109.47	Nov. 24	111.37

1230. City of Houston well No. 9. On north side of Spencer Highway, 3 miles east of South Houston. Unused drilled test well, diameter 3½ inches, screen from 1,399 to 1,414 feet. Measuring point, top of collar on casing, 1.9 feet above land surface.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
July 2, 1939	93.33	Dec. 12, 1939	96.47	Sept. 7, 1940	108.03
3	93.29	Jan. 9, 1940	97.23	28	109.17
4	93.18	15	97.14	Oct. 12	109.26
5	92.95	17	96.95	Nov. 1	108.47
6	92.51	Feb. 21	95.65	19	108.93
7	92.06	24	95.74	Dec. 1	108.72
8	91.64	Mar. 4	96.02	16	108.96
9	91.14	11	96.43	31	108.66
10	90.79	18	96.83	Jan. 10, 1941	108.60
13	90.07	25	96.64	30	110.27
14	90.74	Apr. 1	95.87	Feb. 15	109.44
15	90.86	8	96.65	Mar. 2	108.72
21	91.17	15	97.35	28	109.67
24	90.64	22	97.81	June 4	113.72
25	90.67	29	98.27	July 8	111.67
27	90.92	May 6	98.17	Aug. 13	110.15
28	91.03	13	99.47	Sept.30	109.12
30	91.23	16	100.07	Nov. 18	113.64
Aug. 1	91.35	20	100.63	Dec. 30	115.34
8	92.49	31	101.38	Jan. 26, 1942	114.93
15	94.19	June 3	101.76	Feb. 27	115.00
23	94.22	10	101.91	Apr. 9	115.25
30	95.52	17	102.37	May 19	112.97
Sept. 6	95.24	24	102.97	July 17	114.27
27	96.56	July 1	103.59	Aug. 19	115.95
Oct. 11	96.04	8	103.47	Sept.16	116.87
30	96.13	20	105.10	Oct. 23	119.50
Nov. 13	97.12	Aug. 10	106.94	Nov. 24	121.22
27	96.55	24	107.87		

1234. City of South Houston 3. At South Houston waterworks. Unused drilled public supply well, diameter 8 inches, screen from 288 to 316 feet. Measuring point, top of casing, 2.5 feet above land surface. Water levels, in feet below measuring point, 1942: May 21, 72.80; July 17, 71.44; Sept. 16, 72.18; Nov. 24, 73.30.

1302 (*777,p, 214; 840, p. 439; 845,p. 504). City of Genoa. In Genoa.

Water level, in feet below measuring point, 1940-42

May 3, 1940	82.20	Mar. 28, 1941	88.69	Feb. 26, 1942	92.58
June 26	83.48	June 5	89.69	Apr. 9	93.08
Aug. 7	84.47	July 8	90.37	May 21,	93.55
Oct. 1	86.50	Aug. 15	90.60	July 16	94.27
Nov. 22	87.80	Nov. 24	91.34	Sept.14	96.60
Jan. 21, 1941	87.96	Jan. 2, 1942	91.97	Oct. 23	97.18
Feb. 19	88.25	27	92.35	Nov. 24	98.07

1318 (*777, p. 214; 840, p. 439; 854, 504). J. M. West. 5.5 miles northwest of Webster.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
May 3, 1940	12.84	Feb. 19, 1941	10.03	Nov. 24, 1941	6.96
June 26	13.18	Mar. 28	10.09	Jan. 2, 1942	6.92
Aug. 7	13.66	June 5	8.87	27	6.58
Oct. 1	14.87	July 8	8.50	Feb. 26	6.38
Jan. 21, 1941	10.74				

1360 (*777, p. 214; 840, p. 439; 845, p. 504). Mrs. Fain. (S. Siabara). 0.25 mile east of Webster.

Water level, in feet below measuring point, 1940-42

Aug. 7, 1940	60.21	Mar. 28, 1941	56.87	Feb. 26, 1942	63.6
Oct. 1	61.92	July 8	61.82	Apr. 9	63.20
Nov. 22	58.48	Jan. 2, 1942	61.80	July 16	68.21
Jan. 21, 1941	57.34	27	62.52	Sept.14	70.06
Feb. 19	57.00				

Hays County

Well numbers correspond to those in Water-Supply Papers 909 and 939.

106 (*909, p. 157; 939, p. 118). Henry Armsbruster. 1.25 miles northwest of Buda. Water levels, in feet below measuring point, 1942: Apr. 10, 151.73; Aug. 8, 152.08; Dec. 4, 101.9.

110 (*909, p. 157; 939, p. 118). M. O. Rogers. 7 miles west of Buda. Water levels, in feet below measuring point, 1942: Apr. 10, 52.53; Dec. 4, 48.38.

126 (*909, p. 157; 939, p. 118). 9.75 miles west of Buda. Water levels, in feet below measuring point, 1942: Apr. 10, 92.78; Aug. 8, 93.03; Dec. 4, 92.18.

127 (*909, p. 157). No measurements made in 1942.

234a (*909, p. 157; 939, p. 118). N.E. Hughes. 0.25 mile northwest of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 18.47; Aug. 3, 18.34; Dec. 7, 17.78.

348 (*909, p. 157; 939, p. 118). P. K. Karnes. 1.25 miles northwest of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 253.21; Dec. 4, 250.43.

349 (*909, p. 158; 939, p. 118). E. Brooks. 1.75 miles northwest of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 163.42; Aug. 7, 163.89; Dec. 4, 160.75.

502 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158). Measurements discontinued.

504 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118). Glynn C. Key. On U. S. Highway 290, 2.3 miles west of Hays-Travis county line. Water levels, in feet below measuring point, 1942: Apr. 2, 36.49; Aug. 3, 36.21; Dec. 7, 35.42.

505 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118). Glynn C. Key. 2 feet north of well 504. Water levels, in feet below measuring point, 1942: Apr. 2, 68.44; Aug. 3, 67.79; Dec. 7, 62.65.

506 (*840, p. 440; 845, p. 504; 886, p. 720; 909, p. 158; 939, p. 118). John L. Tinney. 0.7 mile east of Dripping Springs. Water levels, in feet below measuring point, 1942: Apr. 2, 37.00; Aug. 3, 40.91; Dec. 7, 40.56.

507 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118). John L. Tinney. 21 feet east of well 506. Water levels, in feet below measuring point, 1942: Apr. 2, 63.15; Aug. 3, 63.55; Dec. 7, 59.91.

524 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 118). H. W. Hageman. 1.8 miles north of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 32.81; Aug. 8, 34.83; Dec. 4, 30.87.

528 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 158; 939, p. 119). F. N. Whaley. 4.75 miles north of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 97.03; Aug. 8, 97.01; Dec. 4, 94.86.

529 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119). Nicholas Thiele. At south edge of Kyle. Water levels, in feet below measuring point, 1942: Apr. 10, 141.91; Aug. 8, 144.96; Dec. 4, 137.95.

532 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119). San Antonio Bank. 3.2 miles north of Kyle. Water levels, in feet below measuring point, 1942: Apr. 9, 146.22; Dec. 4, 144.83.

534 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119). S. B. Barber. In Buda. Water levels, in feet below measuring point, 1942: Apr. 10, 124.33; Aug. 8, 129.87; Dec. 4, 103.05.

535 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119). Thomas Yoe. On U.S. Highway 81, 0.2 mile south of Hays-Travis county line. Water levels, in feet below measuring point, 1942: Apr. 10, 26.50; Aug. 8, 26.67; Dec. 4, 25.90.

543 (*840, p. 440; 845, p. 505; 886, p. 721; 909, p. 159; 939, p. 119). W. P. Donaldson. 2.6 miles southwest of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 7.32; Aug. 7, 26.43; Dec. 4, 8.53.

553 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119). G. M. Jackson. 3 miles southwest of San Marcos. Water levels, in feet below measuring point, 1942: Apr. 9, 120.00; Aug. 7, 119.88; Dec. 4, 116.27.

565 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119). No measurements made in 1942.

585 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119). R. F. Clayton. 4.1 miles south of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 61.78; Aug. 3, 59.74; Dec. 7, 57.21.

586 (*840, p. 441; 845, p. 506; 886, p. 721; 909, p. 159; 939, p. 119). W. A. Leath. 1 mile southeast of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 44.94; Dec. 7, 35.32.

590 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119). Fred Boyett. 4. 1 miles southwest of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 63.41; Dec. 7, 55.84.

591 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119). Fred Boyett. 100 feet south of well 590. Water levels, in feet below measuring point, 1942: Apr. 2, 39.49; Aug. 3, 45.08; Dec. 7, 10.96.

613 (*840, p. 441; 845, p. 506; 886, p. 722; 909, p. 160; 939, p. 119). Measurements discontinued.

614 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 119). J. D. McCall. 6.8 miles south of Dripping Springs. Water levels, in feet below measuring point, 1942: Apr. 2, 26.03; Aug. 3, 68.70; Dec. 7, 24.89.

615 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120). Wiley Roberts. 4.6 miles south of Dripping Springs. Water levels, in feet below measuring point, 1942: Apr. 2, 86.07; Aug. 3, 86.06; Dec. 7, 85.87.

629 (*840, p. 441; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120). No measurements made in 1942.

677a (*845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120). T. E. Hughes. At northwest edge of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 30.28; Aug. 3, 30.16; Dec. 7, 29.59.

677 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 160; 939, p. 120). J. E. Bryant. 6.5 miles north of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 96.14; Aug. 3, 98.04; Dec. 7, 98.64.

678 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120). J. E. Bryant. 0.1 mile south of well 677. Water levels, in feet below measuring point, 1942: Apr. 2, 274.69; Aug. 3, 274.89; Dec. 7, 274.76.

699 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120). Measurements discontinued.

706 (*840, p. 442; 845, p. 507; 886, p. 722; 909, p. 161; 939, p. 120). Jim Roberts. 0.9 mile north of Wimberley. Water levels, in feet below measuring point, 1942: Apr. 2, 69.07; Aug. 3, 70.67; Dec. 7, 15.14.

Hockley County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

5 (*840, p. 444; 845, p. 509; 886, p. 724; 909, p. 163; 939, p. 121). No measurements made in 1942.

7 (*840, p. 445; 886, p. 724; 909, p. 163; 939, p. 121). No measurements made in 1942.

18 (*840, p. 445; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). Measurements discontinued.

19 (*840, p. 445; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). Measurements discontinued.

21a (*845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). O.E. Lucas. SE¼NE¼ sec. 14, blk. 1, 0.9 mile south and 3 miles west from Ropes. Water level, in feet below measuring point, 1942: July 30, 64.39.

22a (*845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). Town of Ropes. At east edge of small park, 0.4 mile east of railroad depot in Ropes. Water level, in feet below measuring point, 1942: July 30, 98.00.

24 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). R. Y. Hughen. SW¼ sec. 99, blk. A, R. M. Thomson survey, 2 miles southeast of railroad depot in Anton. Water level, in feet below measuring point, 1942: Mar. 26, 22.51.

25 (*840, p. 446; 845, p. 510; 886, p. 724; 909, p. 163; 939, p. 121). Texas Highway Department. SW¼ sec. 105, blk. A, R. M. Thomson survey, 0.6 mile east of railroad depot in Anton. Water levels, in feet below measuring point, 1942: Mar. 26, 27.10; July 28, 26.89.

28 (*840, p. 446; 845, p. 510; 886, p. 725; 909, p. 163; 939, p. 121). Dan Jackson and Paul Whitfield. NW. corner SW¼ sec. 106, blk. A., R. M. Thomson survey, 0.35 mile west and 0.5 mile south from railroad depot in Anton. Water level, in feet below measuring point, 1942: Mar. 26, 32.54.

29 (*840, p. 446; 845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121). A. L. Lindsey. SE. corner SE¼ sec. 124, blk. A, R. M. Thomson survey, 1.7 miles west of railroad depot in Anton. Water levels, in feet below measuring point, 1942: Mar. 26, 27.73; July 28, pumping.

125 (*845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121). E.F. Allen. SE¼NE¼SW¼ sec. 87, blk. A, 1 mile west of railroad water tank in Roundup. Water levels, in feet below measuring point, 1942: Mar. 26, 62.72; July 28, 61.73.

126 (*845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121). W. M. Alexander. SE¼SE¼SW¼ sec. 89, blk. A, 3 miles south of Anton. Water levels, in feet below measuring point, 1942; Mar. 26, 23.58; July 28, 23.90.

127 (*845, p. 511; 886, p. 725; 909, p. 163; 939, p. 121). Mr. Leeds. SE¼SE¼ sec. 90, blk. A, 3 miles south from Anton. Water levels, in feet below measuring point, 1942: Mar. 26, 17.04; July 28, 17.63.

Howard County

Well numbers correspond to those in Water-Supply Papers 817, 840, 845, 886, 909, and 939.

51 (*817, p. 325; 840, p. 452; 845, p. 512; 886, p. 725; 909, p. 164; 939, p. 121). City of Big Spring. Measurements furnished by city of Big Spring.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	108.0	107.8	105.1
2	.....	109.0	.....	106.8	106.3	.....	.....	.....	.....	107.9	107.3	105.1
3	112.3	.....	107.5	.....	.....	.....	.....	108.2	.....	107.8	106.9	105.1
4	111.5	108.5	.....	106.7	106.2	.....	.....	.....	.....	107.8	106.7	105.0
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	107.8	106.6	104.9
6	111.5	108.3	107.5	.....	.....	.....	108.5	.....	.....	107.8	106.5	104.9
7	.....	.....	.....	106.6	106.1	.....	108.5	.....	116.5	107.7	106.4	.....

51. City of Big Spring--Continued.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
8	111.5	.....	.....	.....	.....	107.1	.....	.....	113.3	107.6	106.3	104.9
9	.....	108.1	107.4	.....	.....	.....	.....	.....	112.4	107.5	106.2	104.8
10	.....	.....	.....	106.5	.....	.....	109.0	.....	111.5	107.3	106.2	104.8
11	111.0	.....	.....	.....	106.1	.....	108.5	.....	.....	107.3	106.2	104.8
12	.....	108.0	107.1	.....	.....	.....	.....	109.0	111.5	107.3	106.1	104.8
13	111.0	.....	.....	106.4	.....	107.5	108.0	.....	110.8	107.3	106.0	104.8
14	,....	107.9	.....	.....	.....	.....	.....	.....	110.3	107.3	106.0	104.8
15	.....	.....	.....	.....	.....	.....	.....	.....	110.0	107.2	105.9	104.7
16	110.5	107.8	107.0	106.3	106.7	118.8	.....	.....	109.8	107.2	105.8	104.7
17	.....	.....	.....	.....	.....	.....	.....	109.7	109.5	.....	105.8	104.7
18	.....	.....	.....	.....	106.7	.....	.....	.....	109.3	107.3	105.8	104.6
19	110.5	107.8	107.0	.....	.....	.....	.....	.....	109.1	107.3	105.7	104.5
20	.....	.....	.....	106.3	106.5	.....	.....	.....	109.0	107.2	105.7	.....
21	110.0	.....	106.9	.....	.....	.....	111.0	.....	108.9	107.1	105.6	104.4
22	.....	107.6	.....	.....	107.3	.....	109.8	112.6	108.8	107.0	105.6	104.4
23	.....	.....	106.8	.....	.....	.....	108.9	.....	108.7	106.9	105.5	104.3
24	109.5	.....	.....	.....	.....	.....	108.4	.....	108.6	.....	105.4	104.3
25	.....	107.5	.....	.....	106.6	.....	.....	.....	108.4	106.8	105.3	104.3
26	109.5	.....	106.8	.....	.....	.....	.....	.....	108.3	106.8	105.3	104.2
27	.....	.....	.....	106.8	.....	.....	108.3	.....	108.3	106.7	105.2	104.2
28	109.5	107.5	.....	.....	.....	.....	107.9	.....	108.3	106.6	105.2	104.2
29	.....	.....	.....	.....	109.2	.....	107.5	.....	108.2	106.5	105.1	104.1
30	.....	.....	106.8	106.3	.....	.....	.....	.....	108.1	.....	105.1	.....
31	109.0	.....	.....	.....	.....	.....	108.0	.....	.....	.....	.....	.....

56 (*840, p. 453; 845, p. 512; 886, p. 726; 909, p. 165; 939, p. 123)
City of Big Spring. Measurements furnished by city of Big Spring.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	106.5	.....	.....	.....	.....	114.2	116.1	110.8
2	111.2	109.3	.....	107.2	.....	.....	.....	.....	.....	114.1	114.5	110.8
3	.....	.....	108.2	.....	.....	.....	.....	116.8	.....	114.1	113.7	110.8
4	111.0	109.3	.....	107.2	106.3	.....	.....	.....	.....	114.0	113.3	110.8
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	113.9	112.8	110.8
6	110.9	109.2	108.1	.....	.....	.....	116.3	.....	.....	113.9	112.5	.....
7	.....	.....	.....	106.8	.....	.....	116.3	.....	128.0	113.8	112.4	110.8
8	110.8	.....	.....	.....	.....	107.6	.....	.....	122.8	113.7	112.3	110.8
9	.....	109.0	108.0	.....	.....	.....	.....	.....	120.2	113.6	112.3	110.7
10	.....	.....	.....	106.7	.....	.....	117.8	.....	119.2	113.5	112.3	110.6
11	110.6	.....	.....	.....	106.4	.....	116.2	.....	.....	113.4	112.3	110.5
12	.....	108.8	107.8	.....	.....	.....	.....	117.7	119.8	113.3	112.2	110.5
13	110.3	.....	.....	106.6	.....	109.3	114.9	.....	118.6	113.3	112.8	110.4
14	.....	108.8	.....	.....	.....	.....	.....	.....	117.5	113.3	112.0	110.4
15	.....	.....	.....	.....	.....	.....	.....	.....	117.0	113.1	111.8	110.4
16	110.3	108.6	107.7	106.5	107.0	127.5	.....	.....	116.8	113.0	111.8	110.4
17	.....	.....	.....	.....	.....	.....	.....	117.9	116.3	.....	111.7	110.4
18	.....	.....	.....	.....	106.7	.....	.....	.....	116.2	113.2	111.6	110.3
19	110.1	108.4	107.6	.....	.....	.....	.....	.....	116.1	113.0	111.6	110.3
20	.....	.....	.....	106.3	106.4	.....	.....	.....	116.0	112.9	111.6	.....
21	109.9	.....	107.4	.....	.....	.....	124.4	.....	115.9	112.8	111.5	110.3
22	.....	108.3	.....	.....	109.0	.....	119.0	130.5	115.6	112.7	111.5	110.2
23	.....	.....	107.3	.....	.....	.....	117.0	.....	115.6	112.6	111.4	110.1
24	109.8	.....	.....	.....	.....	.....	115.7	.....	115.4	.....	111.3	110.0
25	.....	108.3	.....	.....	106.8	.....	.....	.....	115.3	112.5	111.3	109.9
26	109.7	.....	107.3	.....	.....	.....	.....	.....	115.0	112.4	111.2	109.8
27	.....	.....	.....	106.8	.....	.....	115.8	.....	114.8	112.3	111.1	109.8
28	109.5	108.2	.....	.....	.....	.....	114.8	.....	114.6	112.3	111.1	110.0
29	.....	.....	.....	.....	113.3	.....	114.6	.....	114.5	112.2	111.0	109.8
30	.....	.....	107.3	106.7	.....	.....	.....	.....	114.3	.....	110.9	.....
31	109.3	.....	.....	.....	.....	.....	116.3	.....	.....	.....	.....	.....

65 (*817, p. 327; 840, p. 457; 845, p. 513; 886, p. 726; 909, p. 166; 939, p. 124). City of Big Spring. 6 miles southeast of Big Spring. Measurements furnished by city of Big Spring.

Water level, in feet below measuring point, 1942

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	115.6	115.5	112.3
2	121.2	118.7	.....	116.2	114.9	.....	.....	.....	.....	115.5	115.2	112.3
3	.....	.....	117.1	.....	.....	.....	.....	116.6	.....	115.4	114.6	112.3
4	121.0	118.6	.....	116.1	114.8	.....	.....	.....	.....	115.4	114.3	112.3
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	115.3	114.2	112.2
6	120.9	118.5	117.0	.....	.....	.....	117.5	.....	.....	115.3	114.1	.....
7	.....	.....	.....	115.8	.....	.....	117.4	.....	124.8	115.3	114.0	112.2
8	120.7	.....	.....	.....	.....	115.2	.....	.....	121.4	115.2	113.8	112.2
9	.....	118.4	116.9	.....	.....	.....	.....	.....	.....	115.1	113.7	112.1
10	.....	.....	.....	115.6	.....	.....	118.9	.....	119.5	115.0	113.6	112.0
11	120.4	.....	.....	.....	114.5	.....	116.9	.....	.....	114.8	113.5	111.9
12	.....	118.2	116.6	.....	.....	.....	.....	117.4	119.4	114.8	113.4	111.9
13	119.9	.....	.....	115.4	.....	116.0	116.4	.....	118.7	114.6	113.3	111.9
14	.....	118.0	.....	.....	.....	.....	.....	.....	118.3	114.5	113.3	111.9
15	.....	.....	.....	.....	.....	.....	.....	.....	117.6	114.4	113.2	111.8
16	119.6	117.8	116.5	115.3	114.9	.....	.....	.....	117.4	114.3	113.1	111.8
17	.....	.....	.....	.....	.....	.....	.....	118.0	117.3	.....	113.0	111.8
18	.....	.....	.....	.....	114.8	.....	.....	.....	117.2	114.9	113.0	111.8
19	119.4	117.7	116.4	.....	.....	.....	.....	121.5	117.1	114.8	113.0	111.8
20	.....	.....	.....	115.2	114.6	.....	.....	.....	117.0	114.6	112.9	.....
21	119.3	.....	116.3	.....	.....	.....	120.3	.....	116.7	114.5	.....	111.7
22	.....	117.4	.....	.....	115.8	.....	118.8	123.6	116.5	114.3	112.8	111.6
23	.....	.....	116.3	.....	.....	.....	117.8	.....	116.4	114.3	112.8	111.5
24	119.3	.....	.....	.....	.....	.....	116.6	.....	116.2	.....	112.7	111.4
25	.....	117.3	.....	.....	115.2	.....	.....	.....	116.1	114.2	112.6	111.3
26	119.0	.....	116.3	.....	.....	.....	.....	.....	116.0	114.1	112.5	111.3
27	.....	.....	.....	115.2	.....	.....	117.1	.....	115.9	114.0	112.4	.....
28	118.8	117.2	.....	.....	.....	.....	116.5	.....	115.9	113.8	112.4	111.7
29	.....	.....	.....	.....	117.7	.....	116.2	.....	115.8	113.8	112.4	.....
30	.....	.....	116.2	115.0	.....	.....	.....	.....	115.7	.....	112.3	.....
31	118.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

606 (*840, p. 460; 845, p. 513; 886, p. 726; 909, p. 166; 939, p. 125) No measurements made in 1942.

846 (*840, p. 460; 845, p. 513; 886, p. 726; 909, p. 166). No measurements made in 1942.

853 (*840, p. 460; 845, p. 513; 886, p. 726). No measurements made in 1942.

859 (*840, p. 460; 845, p. 513; 886, p. 726). No measurements made in 1942.

879 (*840, p. 460; 845, p. 514; 886, p. 726; 909, p. 166). No measurements made in 1942.

893b (*840, p. 460; 845, p. 514; 886, p. 726; 909, p. 166). No measurements made in 1942.

898 (*840, p. 460; 845, p. 514; 886, p. 726; 909, p. 166). No measurements made in 1942.

899 (*840, p. 460; 845, p. 514; 886, p. 726; 909, p. 166). No measurements made in 1942.

915 (*840, p. 460; 845, p. 514; 886, p. 726). No measurements made in 1942.

942 (*886, p. 726; 909, p. 166). No measurements made in 1942.

Jackson County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

5 (*840, p. 461; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). Jackson County. At Upper Cordele school. Water levels, in feet below measuring point, 1942: Sept. 2, 35.60; Dec. 14, 35.69.

588859 O—44——10

6 (*840, p. 461; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). No measurements made in 1942.

7 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). D. W. Schropshire. 1.25 miles north of Navidad. Water level, in feet below measuring point, 1942: Dec. 15, 43.33.

11a (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). Nellie Miller Estate. About 5 miles south of Morales. Water level, in feet below measuring point, 1942: Dec. 15, 36.64.

12 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). J. L. Shepherd. 3.75 miles southeast of Morales. Water level, in feet below measuring point, 1942: Dec. 15, 35.47.

14 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). Mrs. C. V. Watson. 2.3 miles north of Cordele. Water levels, in feet below measuring point, 1942: Sept. 2, 36.29; Dec.15, 36.07.

56 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). A. H. Nagel. At Cordele. Water level, in feet below measuring point, 1942: Dec. 15, 32.49.

57 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). S. G. Drushel. At crossroads, 2.5 miles south of Cordele. Water levels, in feet below measuring point, 1942: Sept. 2, 37.86; Dec. 15, 38.36.

64 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). Wm. Clifford. 3.5 miles west of Edna. Water level, in feet below measuring point, 1942: Dec. 16, 33.37.

66 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). S.J. and E.F. Swenson. 5 miles northeast of Edna. Water level, in feet below measuring point, 1942: Dec. 15, 36.63.

69 (*840, p. 462; 845, p. 514; 886, p. 727; 909, p. 167; 939, p. 125). A.E. Westhoff. 2.5 miles northeast of Edna. Water level, in feet below measuring point, 1942: Dec. 15, 34.75.

71 (*840, p. 462; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125). W. Rogers. 3.7 miles west of Edna. Water level, in feet below measuring point, 1942: Dec. 16, 24.78.

76 (*840, p. 462; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 125). Measurements discontinued.

78 (*840, p. 463; 845, p.515; 886, p. 727; 909, p. 167; 939, p. 125). Rose, Sample, Taylor, and Bagby. 2 miles east of Edna, opposite Manson railroad station. Water level, in feet below measuring point, 1942: Dec. 15, 29.69.

88 (*840, p. 463; 845, p. 515). A.E. Westhoff. 6 miles south-southeast of Edna. Water levels, in feet below measuring point, 1942: Sept. 24, 19.00; Dec. 16, 18.47.

103 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126). A.C. Wilbeck. 6 miles northwest of Ganado. Water level, in feet below measuring point, 1942: Dec. 15, 37.10.

105. A. M. Robinson. 4 miles north of Ganado. Used drilled irrigation well, diameter 24 inches, depth 280 feet. Measuring point, top of casing, at land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Dec. 16, 31.86.

108a (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126). Sugarland Fig Growers Association. In Ganado. Water level, in feet below measuring point, 1942: Dec. 16, 26.79.

115 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126). R. W. Silliman. 5.3 miles southeast of Ganado. Water level, in feet below measuring point, 1942: Dec. 16, 25.14.

123 (*840, p.463; 845, p. 515; 886, p. 727; 909, p. 167; 939, p. 126). Mrs. C.L. Gaines. 9 miles southeast of Ganado. Water level, in feet below measuring point, 1942: Dec. 17, 24.87.

154 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126). Mrs. C.W. Parfet. 4 miles east of Midway. No measurements made in 1942; well flowing.

156 (*840, p. 463; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126). Bennie Elliott. 0.2 mile west of Matagorda County line and 0.4 mile south of State Highway 35. Water level, in feet above measuring point, 1942: Dec. 16, 0.88.

180 (*840, p. 464; 845, p. 515; 886, p. 727; 909, p. 168; 939, p. 126). L. Ward. At La Ward. Water level, in feet below measuring point, 1942: Dec. 16, 21.17.

229 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126). W. A. Utzman. 3 miles north of Vanderbilt. Water level, in feet below measuring point, 1942: Dec. 16, 33.47.

230 (*840, p. 464; 845, p. 515; 886, p. 728; 909, p. 168; 939, p. 126). Royal Dedman. 5.5 miles northeast of Vanderbilt. Water level, in feet below measuring point, 1942: Dec. 16, 35.94.

304. O. B. Fenner. East well of 2 wells, 6 miles northeast of Morales. Used drilled irrigation well, diameter 12 inches, casing slotted from 72 to 217 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Dec. 15, 42.25.

305. O. B. Fenner. West well of 2 wells, 5 miles northeast of Morales. Used drilled irrigation well, diameter 12 inches, casing slotted from 65 to 210 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Dec. 15, 43.81.

313. G. A. Harrison. South side of railroad, 4 miles northeast of Edna. Used drilled irrigation well, diameter 18 inches, casing slotted opposite sands from 103 to 506 feet. Measuring point, top of casing, 1.0 foot above land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Dec. 15, 29.73.

318. George Carstien. At edge of woods, 5 miles north of Ganado. Used drilled irrigation well, diameter 24 inches, depth 252 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with deep-well turbine pump. Water level, in feet below measuring point, 1942: Dec. 16, 30.31.

322. Mrs. B. W. Martin. Drilled to replace well 106, 2 miles northwest of Ganado. Used drilled domestic and stock well, diameter 3 inches, depth 87 feet. Measuring point, top of casing, 2.2 feet above land surface. Equipped with hand pump.

Water levels, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1940	32.93	Apr. 9, 1941	32.39	Dec. 15, 1942	31.76
Dec. 10	33.38	Dec. 19	31.71		

337. Rose and Sample. About 30 feet south of windmill, 9 miles southeast of Ganado. Used drilled irrigation well, diameter 24 inches, depth about 300 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with deep-well turbine pump engine. Water levels, in feet below measuring point, 1942: Sept. 28, 24.28; Dec. 16, 22.12.

338. Harry Wyer. 9 miles southeast of Ganado. Used drilled irrigation well, diameter 24 inches, screen at 63-83; 94-102, 187-222, 249-269, and 295-325 feet. Measuring point, lower edge of discharge pipe, 3.5 feet above land surface. Equipped with deep-well turbine pump. Water levels, in feet below measuring point, 1942: Sept. 28, 28.64; Dec. 16, 24.69.

357. A.V. Raplee. On south side of State Highway 35, 10 miles south of Francitas. Unused drilled irrigation well, diameter 24 inches, depth about 350 feet. Measuring point, lower edge of discharge pipe, 2.5 feet above land surface. Equipped with windmill. Water levels, in feet below measuring point, 1942: Sept. 29, 11.45; Dec. 16, 11.06.

Kinney County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

XK1 (*840, p. 464; 845, p. 516; 886, p. 728; 909, p. 168; 939, p. 127). Ethel Whitaker. 2 miles west of Kline. Water levels, in feet below measuring point, 1942: Apr. 7, 75.20; Aug. 5, 75.36; Dec. 2, 73.49.

XK5 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127). Judge John Fritter. 6 miles east of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 35.85; Aug. 5, 32.58; Dec. 1, 32.33.

XK6 (*840, p. 465; 845, p. 516; 886, p. 728; 909, p. 169; 939, p. 127). Dr. B. F. Orr. 3.5 miles east of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 39.04; Aug. 5, 38.46; Dec. 1, 37.51.

XK9 (*840, p. 465; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127). C. J. Poehler. 3.25 miles west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 42.46; Aug. 5, 42.23; Dec. 1, 40.02.

XK11 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127). J. F. Beidler. 7 miles west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 28.79; Aug. 5, 32.99; Dec. 1, 31.05.

XK12 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127). J. F. Beidler. 12.5 miles west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 22.55; Aug. 5, 25.24; Dec. 1, 22.90.

XK13 (*840, p. 466; 845, p. 517; 886, p. 729; 909, p. 169; 939, p. 127). Mac L. Weatherby. 17.5 miles west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 66.98; Dec. 1, 64.53.

XK17 (*909, p. 170; 939, p. 127). Jimmy Lowrance. 1 mile west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 50.49; Aug. 5, 50.65; Dec. 1, 50.55.

XK112 (*886, p. 729; 909, p. 170; 939, p. 127). No measurements made in 1942.

XK114 (*886, p. 729; 909, p. 170; 939, p. 127). E. Webb. 7.5 miles north of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 70.16; Aug. 5, 71.13; Dec. 1, 66.71.

XK116 (*886, p. 729; 909, p. 170; 939, p. 127). J. D. Harwood. 10 miles north of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 138.71; Aug. 5, 140.34; Dec. 1, 134.13.

XK163 (*886, p. 730; 909, p. 170; 939, p. 127). No measurements made in 1942.

XK170 (*909, p. 170; 939, p. 127). Nolan and Postell. 13 miles northeast of Brackettville. Water level, in feet below measuring point, 1942: Dec. 1, 189.26.

XK180 (*886, p. 730; 909, p. 171; 939, p. 127). N. P. Peterson. 9.5 miles northeast of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 177.35; Aug. 5, 178.30; Dec. 1, 178.11.

XK187 (*909, p. 171; 939, p. 128). Mrs. G.A. Harrison. 9.5 miles east of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 77.42; Aug. 5, 79.29; Dec. 1, 79.38.

XK196 (*886, p. 730; 909, p. 171; 939, p. 128). Judge John Fritter. 4.75 miles northeast of Brackettville. Water level, in feet below measuring point, 1942: Dec. 1, 112.16.

XK198 (*909, p. 171; 939, p. 128). Charley Zinsmeister. 5 miles west of Brackettville. Water levels, in feet below measuring point, 1942: Apr. 7, 45.97; Aug. 5, 46.98; Dec. 1, 45.49.

XK199 (*909, pp. 172-173; 939, p. 128). E. Webb. 1 mile north of Brackettville. Water-level recorder removed Apr. 20, 1942. Equipped with windmill since Apr. 20, 1942.

KK199. E. Webb--Continued.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	40.00	Jan. 22	40.12	Feb. 12	40.38	Mar. 5	40.25
2	39.94	23	40.11	13	40.37	6	40.27
3	39.92	24	40.08	14	40.38	7	40.28
4	39.92	25	40.07	15	40.37	8	40.26
5	39.91	26	40.06	16	40.40	Apr. 7	40.22
6	39.91	27	40.07	17	40.40	8	40.15
7	39.92	28	40.13	18	40.43	9	40.11
8	39.99	29	40.17	19	40.41	10	40.07
9	40.05	30	40.17	20	40.40	11	40.04
10	40.05	31	40.19	21	40.36	12	40.01
11	40.06	Feb. 1	40.17	22	40.32	13	39.99
12	40.10	2	40.16	23	40.31	14	39.99
13	40.10	3	40.22	24	40.29	15	39.96
14	40.09	4	40.22	25	40.29	16	39.95
15	40.11	5	40.25	26	40.30	17	39.92
16	40.12	6	40.27	27	40.26	18	39.90
17	40.14	7	40.30	Mar. 1	40.25	19	39.89
18	40.17	8	40.30	2	40.25	20	39.88
19	40.17	9	40.32	3	40.23	Aug. 5	39.69
20	40.18	10	40.33	4	40.25	Dec. 1	37.85
21	40.15	11	40.34				

Lamb County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

1 (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130). H.H. Engleking. NW. corner SE¼ sec. 14, blk. W, 11 miles west and 4.5 miles north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 69.46; Nov. 30, 68.70.

3a (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 174; 939, p. 130). J.O. Crawford. NW. corner SW¼ sec. 30, blk. W, 11 miles west and 3 miles north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 23.68; Nov. 30, 22.88.

6 (*845, p. 518; 886, p. 73; 909, p. 174; 939, p. 130). Albert Lavigne. NW. corner SW¼ sec. 35, blk. W, 12 miles west from Earth. Water levels, in feet above measuring point, 1942: Mar. 16, 4.40; Nov. 30, 4.50.

7 (*840, p. 466; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130). Lillie Bickle. NW¼SW¼ sec. 46, blk. W, 11 miles west and 1 mile north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 6.92; July 3, 8.33; Nov. 30, 8.34.

8 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130). J.L. Withrow. NW. corner NE¼ sec. 51, blk. W, 0.5 mile north of U.S. Highway 70 and 0.5 mile east of Bailey-Lamb county line. Water level, in feet below measuring point, 1942: Mar. 16, 7.91.

13 (*840, p. 467; 845, p. 518; 886, p. 731; 909, p. 175; 939, p. 130). John Fryie. NW. corner NW¼ sec. 45, blk. W, 10 miles west and 1.5 miles north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 11.09; Nov. 30, 11.69.

16 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130). R. L. Brown. NW. corner NE¼SE¼ sec. 30, blk. W, 10 miles west and 3 miles north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 30.71; Nov. 30, 29.87.

19 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130). Josephine Roubineck. NW. corner SE¼ sec. 36, blk. W, 10. 5 miles west and 2 miles north from Earth. Water levels, in feet above measuring point, 1942: Mar. 16, 6.21; Nov. 30, 6.36.

30 (*840, p. 467; 845, p. 519; 886, p. 731; 909, p. 175; 939, p. 130). J. M. Young. NE¼NE¼SE¼ sec. 38, blk. W, 7 miles west and 2 miles north from Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 17.40; Nov. 30, 17.22.

33a (*886, p. 732; 909, p. 175; 939, p. 130). Halsell Cattle Co. NW¼ sec. 88, blk. 2, 1.3 miles south of U.S. Highway 70, on east side of Sudan road. Water levels, in feet below measuring point, 1942: Mar. 14, 9.07; July 28, 11.45; Aug. 27, 12.30; Nov. 30, 13.04.

34a (*886, p. 732; 909, p. 175; 939, p. 130). Halsell Cattle Co. SW¼NW¼ sec. 73, blk. 2, 0.3 mile south of U.S. Highway 70, on east side of Sudan road. Water levels, in feet below measuring point, 1942: Mar. 14, 3.77; July 28, 6.19; Nov. 30, 6.05.

38 (*840, p. 467; 845, p. 519). No measurements made in 1942.

42 (*840, p. 467; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130). Halsell Cattle Co. SE¼NW¼ sec. 74, blk. 2, 4.5 miles west of Earth, and 0.35 mile south of U.S. Highway 70. Water levels, in feet below measuring point, 1942: Mar. 16, 12.82; Nov. 30, 13.25.

60 (*840, p. 467; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130). S. A. Davis. NW. corner SE¼ sec. 69, blk. 1, 0.5 mile northwest of Springlake. Water levels, in feet below measuring point, 1942: Mar. 16, 70.34; Nov. 10, 68.80.

76 (*840, p. 468; 845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130). F.E. Gladden. NW. corner NE¼ sec. 12, blk. T1, T. A. T. survey, on north side of U.S. Highway 70, 0.5 mile northwest of Circle. Water levels, in feet below measuring point, 1942: Mar. 16, 75.69; Nov. 10, 74.93.

76a (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130). George Brown. SE. corner NE. 68 acres in sec. 1, blk. T1, T. A. T. survey, 10 miles east of Earth. Water levels, in feet below measuring point, 1942: Mar. 16, 80.89; July 28, 81.32; Nov. 10, 79.03.

88 (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 130). Halsell Cattle Co. SW¼ lab. 20, lge. 238, on east side of Amherst-Earth road, 8.5 miles south of Earth. Water level, in feet below measuring point, 1942: Mar. 14, 32.61.

88a (*845, p. 519; 886, p. 732; 909, p. 175; 939, p. 131). No measurements made in 1942.

89a (*886, p. 732; 909, p. 175; 939, p. 131). Halsell Cattle Co. SW¼ lab. 21, lge. 237, 6.5 miles south of Earth. Water level, in feet below measuring point, 1942: Mar. 14, 24.57.

91a (*886, p. 732; 909, p. 175; 939, p. 131). Halsell Cattle Co. East side lab. 1, lge. 237, 2.25 miles south of Earth. Water level, in feet below measuring point, 1942: Aug. 27, 4.90.

98a (*886, p. 733; 909, p. 175; 939, p. 131). Halsell Cattle Co. SW¼ lab. 10, lge. 221, 8 miles southwest of Earth. Water levels, in feet below measuring point, 1942: Mar. 14, 36.12; July 28, 35.25; Nov. 30, 34.50.

108 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 175; 939, p. 131). Texas Highway Department. 4.7 miles northwest of Sudan railroad depot, on U. S. Highway 84 right-of-way, on north side of pavement. Water level, in feet below measuring point, 1942: Mar. 14, 77.54.

230 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131). Owner unknown. Center of S½ sec. 3, blk. S1, on south side of U.S. Highway 84, 2 miles northwest of Amherst. Water levels, in feet below measuring point, 1942: Mar. 14, 78.62; July 28, 78.11.

231 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131). Vincent Peterman. Center of NE¼ lab. 16, lge. 218, on south side of U. S. Highway 84, 2 miles southeast of Bailey-Lamb county line. Water levels, in feet below measuring point, 1942: Mar. 14, 96.72; July 28, 96.63.

236 (*840, p. 468; 845, p. 519; 909, p. 176; 939, p. 131). L. D. Criswell. NW¼SE¼ lab. 24, lge. 649, 1 mile north of U. S. Highway 84, 2 miles east of Amherst. Water level, in feet below measuring point, 1942: Mar. 14, 77.01.

238a (*845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131). D.C.Black. SE¼ lab. 20, lge. 633, 4.5 miles north of Amherst. Water level, in feet below measuring point, 1942: Mar. 14, 46.82.

243 (*840, p. 468; 845, p. 519; 886, p. 733; 909, p. 176; 939, p. 131) Les Barker. Center of lab. 5, lge. 664, on south side of U.S. Highway 84, 1.5 miles northwest of Littlefield. Water level, in feet below measuring point, 1942: Mar. 14, 76.43.

251a (*886, p. 733; 909, p. 176; 939, p. 131). G.Y. Oxford. NW¼ lab. 17, lge. 644, 8.5 miles north of Littlefield. Water level, in feet below measuring point, 1942: Mar. 13, 58.88.

259b (*845, p. 520; 886, p. 733; 909, p. 176; 939, p. 131). Lee Bennett. NE¼ lab. 14, lge. 651, 6 miles north of Littlefield. Water level, in feet below measuring point, 1942: Mar. 13, 72.60.

322 (*840, p. 468; 845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131) Yellow House Land Co. NW. corner lab. 16, lge. 671, on north side of U.S. Highway 84 and Panhandle & Santa Fe Railway, 4.5 miles southeast of Littlefield. Water levels, in feet below measuring point, 1942: Mar. 26, 37.75; July 28, 37.64.

341a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131). Owner unknown. SE. corner NW¼NE¼ lab. 23, lge. 671, 0.5 mile north of Yellow House railroad switch. Water level, in feet below measuring point, 1942: Mar. 26, 41.18.

342a (*845, p. 520; 886, p. 734; 909, p. 176; 939, p. 131). R.M.Love. SW¼NW¼ sec. 6, blk. 1 R.M. Thompson survey, 30 feet south of U.S. Highway 84, 4.3 miles northwest of Anton railroad depot, on side of small hill. Water level, in feet below measuring point, 1942: Mar. 26, 37.45.

Loving County

Well numbers correspond to those in Water-Supply Paper 939.

4 (*939, p. 132). Measurements discontinued.

26 (*939, p. 132). Measurements discontinued.

43a (*939, p. 132). T.P. Lands Trust. 14 miles north of Mentone. Water level, in feet below measuring point, 1942: Mar. 14, 164.82.

73 (*939, p. 132). W.D. Johnson. 6 miles north of Mentone.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1941	85.97	Mar. 14, 1942	83.48	Dec. 28, 1942	83.61
Jan. 20, 1942	83.09	Aug. 19	84.21		

98 (*939, p. 132). Sinclair-Prairie Oil Co. 1 mile northwest of Mentone. Water levels, in feet below measuring point, 1942: Mar. 14, 27.42; Aug. 19, 28.80; Dec. 28, 28.47.

102 (*939, p. 132). McGinely Corporation. 2.75 miles east of Mentone. Water levels, in feet below measuring point, 1942: Mar. 14, 104.11; Aug. 19, 104.31; Dec. 28, 104.12.

107 (*939, p. 133). Tom Wright. 1.5 miles south of Mentone. Water levels, in feet below measuring point, 1942: Mar. 14, 4.48; Aug. 19, 7.51; Dec. 28, 9.40.

112 (*939, p. 133). E. L. Stratton. 2 miles south of Mentone. Water levels, in feet below measuring point, 1942: Mar. 14, 10.32; Aug. 19, 13.76; Dec. 28, 14.33.

114 (*939, p. 133). Measurements discontinued.

118 (*939, p. 133). W.F. Tennant. 2.3 miles southeast of Mentone. Water levels, in feet below measuring point, 1942: Mar. 14, 28.39; Aug. 19, 28.34; Dec. 28, 29.18.

Lubbock County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

3a (*845, p. 522; 886, p. 735; 909, p. 177; 939, p. 133). No measurements made in 1942.

37 (*909, p. 177; 939, p. 133). S. E. Blair. NW¼NW¼ sec. 149, blk. C, 17 miles northeast of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 72.60; Oct. 30, 72.51.

64a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133). W. O. Fortenberry. NE¼NW¼ sec. 30, blk. D, 0.4 mile east of U. S. Highway 87, 10.5 miles north of Lubbock. Water level, in feet below measuring point, 1942: Mar. 24, 85.00.

67a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133). Measurements discontinued.

74a (*845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133). J. S. George. SW¼SE¼ sec. 37, blk. A, 1.5 miles west of U. S. Highway 87, 6.5 miles north of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 24, 31.50; Dec. 17, pumping.

74b (*886, p. 735; 909, p. 178; 939, p. 133). J. S. George. NE¼NW¼ sec. 37, blk. A, 7.5 miles north of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 32.95; Dec. 17, 29.94.

77a (*845, p. 522; 886, p. 735; 909, p. 178). No measurements made in 1942.

81 (*840, p. 470; 845, p. 522; 886, p. 735; 909, p. 178; 939, p. 133). J. E. Vickers. NE¼SE¼ sec. 27, blk. A, 0.2 mile west of U. S. Highway 87, 5 miles north of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 24, pumping; Dec. 17, 42.59.

82a. R. E. Karper. Center of sec. 78, blk. A, 0.5 mile west of U. S. Highway 87, and 2.5 miles north of Lubbock. Used drilled irrigation well, diameter 16 inches, depth 140 feet. Measuring point, top of hole in pump base, 1.0 foot above land surface. Equipped with deep-well turbine pump.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Aug. 13, 1940	57.62	Jan. 22, 1941	56.18	July 28, 1941	54.95
Sept.10	58.18	Mar. 6	55.87	Mar. 28, 1942	52.94
Oct. 13	57.62	June 3	56.20	Dec. 17	51.70

99 (*840, p. 470; 845, p. 522; 909, p. 178). R. B. Gray. SW¼NE¼ sec. 37, blk. P, 4 miles northwest of Shallowater. Water level, in feet below measuring point, 1942: Mar. 26, 25.81.

101 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). No measurements made in 1942.

107 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). B.G. Lokey. SW¼NE¼ sec. 27, blk. D5, on north side of U.S. Highway 84, in Shallowater. Water levels, in feet below measuring point, 1942: Mar. 26, 46.43; July 28, 46.28.

118 (*845, p. 523; 886, p. 736; 939, p. 134). W.P. Martin. NW¼NE¼ sec. 17, blk. JS, 9 miles west of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 27, 80.68; Dec. 18, 80.16.

121 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). Claude Campbell. SE¼ sec. 1, blk. D6, north of Carlisle Public School and north of State Highway 24. Water levels, in feet below measuring point, 1942: Mar. 27, 75.62; Dec. 18, 74.28.

123 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). Travis Tubbs. SW¼NW¼ sec. 9, blk. JS, 6 miles west from Lubbock. Water level, in feet below measuring point, 1942: Mar. 27, 65.80.

128 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). Rufus Rush. West line of SW¼NE¼ sec. 3, blk. E2, 0.6 mile north of State Highway 24, 2.5 miles west of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 27, 40.08; Dec. 18, 38.99.

138 (*845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). Edith Collie NE¼NE¼ sec. 25, blk. JS, 7 miles northwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 26, 37.65; Dec. 18, 36.00.

139 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). O.C. Ballard. NE¼NE¼ sec. 23, blk. JS, 7 miles northwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 26, 23.76; Dec. 18, 22.43.

150a (*845, p. 523; 886, p. 736; 909, p. 178; 939. p. 134). M.C.Gibson. NW¼NW¼ sec. 14, blk. A, between U.S. Highway 84 and Panhandle & Santa Fe Railway, 5.5 miles northwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 26, 23.92; July 28, 23.32.

151 (*840, p. 470; 845, p. 523; 886, p. 736; 909, p. 178; 939, p. 134). Broadview School. SE¼NW¼ sec. 14, blk. A, on south side of U.S. Highway 84, 3 miles northwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 26, 22.86; July 4, 22.30; Nov. 18, 19.96.

154 (*886, p. 736; 909, p. 178; 939, p. 134). J.S. Hamilton. NE¼SW¼ sec. 22, blk. A, 4 miles west of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 27, 36.48; Dec. 18, 34.96.

156 (*845, p. 523; 886, p. 736; 909, p. 179; 939, p. 134). J. M. Phillips. SW¼SE¼ sec. 18, blk. A, 0.6 mile south of U.S. Highway 84, 3 miles northwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 26, 38.20; Dec. 18, 38.44.

188 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134). State Experiment Farm. NE¼NW¼ sec. 5, blk. O, 3 miles east of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 28, pumping; Dec. 18, 76.97.

199a (*886, p. 737; 909, p. 179; 939, p. 134). Measurements discontinued.

200 (*886, p. 737; 909, p. 179; 939, p. 134). Measurements discontinued.

219 (*886, p. 737; 909, p. 179; 939, p. 134). Ed Harrison. NW. corner sec. 5, blk. RG, 9.5 miles east of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 39.56; Dec. 18, 35.42.

221 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134). Bill Turner. NW. corner NW¼ sec. 156, blk. C, on south side of U.S. Highway 62, 2 miles east of Idalou. Water levels, in feet below measuring point, 1942: Mar. 23, 52.27; July 31, 52.58.

222 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134). R.T.Groves. NW¼NE¼ sec. 10, blk. RG, 1.2 miles south of U.S. Highway 62, 12 miles east of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 50.55; July 31, 50.12.

223 (*845, p. 524; 886, p. 737; 909, p. 179; 939, p. 134). W.C.Grimes. SE¼SE¼ sec. 11, blk. RG, 12 miles east of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 43.25; July 31, 43.84.

225 (*886, p. 737; 909, p. 179; 939, p. 135). No measurements made in 1942.

228 (*840, p. 471; 845, p. 524; 886, p. 737; 909, p. 179; 939, p. 135). G.H. Hutchings. NE¼SE¼ sec. 91, blk. C, 6 miles east of Idalou along U.S. Highway 62, thence 0.6 mile south on dirt road. Water levels, in feet below measuring point, 1942: Mar. 23, 68.03; July 31, 67.85.

252b (*886, p. 737; 939, p. 135). Panhandle & Santa Fe Railway Co. NW¼SW¼ sec. 43, blk. S, 14 miles southeast of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 24, 99.45; July 31, 99.20.

272b (*909, p. 179; 939, p. 135). Measurements discontinued.

278 (*845, p. 524; 886, p. 738; 909, p. 179; 939, p. 135). Ed Putty. NW¼NE¼ sec. 8, blk. B, 1.75 miles south of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 28, 77.39; July 31, 77.72.

279 (*840, p. 471; 845, p. 524; 939, p. 135). Measurements discontinued.

301 (*886, p. 738; 909, p. 180; 939, p. 135). No measurements made in 1942.

303b (*886, p. 738; 909, p. 180; 939, p. 135). Measurements discontinued.

314 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135). T. B. Zelner. SW. corner SE¼SW¼ sec. 17, blk. B, 4 miles southwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 27, pumping; Dec. 18, 47.94.

316 (*840, p. 471; 845, p. 525; 886, p. 738). E. A. Hankins. NW¼NE¼ sec. 6, blk. E2, 4.75 miles southwest of Lubbock. Water level, in feet below measuring point, 1942: Mar. 27, 63.00.

332 (*840, p. 471; 845, p. 525; 886, p. 738). No measurements made in 1942.

336a (*845 p. 525; 886, p. 738; 909, p. 180; 939, p. 135). Mrs. Mary Coons. SW¼SW¼ sec. 26, blk. AK, 0.8 mile south of U.S. Highway 62, 10 miles southwest of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 25, 77.75; July 30, 78.04.

339 (*909, p. 180; 939, p. 135). J.E. Hinson. NW¼NE¼ sec. 34, blk. AK, 8.5 miles west of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 25, 61.57; Dec. 18, 60.67.

355 (*840, p. 471; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135). J.A. Medlock. SW¼NE¼ sec. 26, blk. CB, 0.5 mile west of U.S. Highway 62, 14 miles south of Lubbock. Water level, in feet below measuring point, 1942: Mar. 25, 83.94.

369 (*840, p. 471; 845, p. 525; 909, p. 180). A.D. Thomas. NE¼NW¼ sec. 26, blk. 20, 0.5 mile west of U.S. Highway 87, 9.5 miles south of Lubbock. Water level, in feet below measuring point, 1942: Mar. 27, 75.32.

376 (*886, p. 738). Union Public School. SE¼SW¼ sec. 4, blk. 20, 12.5 miles south of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 27, 92.75; July 31, 92.42.

383 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180). H.B.Hobgood. NW¼NW¼ sec. 21, blk. CB, 0.2 mile east of U.S. Highway 62, 14 miles southwest from Lubbock. Water levels, in feet below measuring point, 1942: Mar. 25, 72.43; July 30, pumping.

387 (*840, p. 472; 845, p. 525; 886, p. 738; 909, p. 180; 939, p. 135). W.J. Garrett. NW¼SE¼ sec. 15, blk. B, 0.6 mile south of junction of U.S. Highway 62 and State Highway 24. Water levels, in feet below measuring point, 1942: Mar. 27, 38.12; July 4, 38.12; Nov. 18, 37.10.

388 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136). No measurements made in 1942.

389 (*840, p. 472; 845, p. 525; 886, p. 739; 909, p. 180; 939, p. 136). E. Scott Jones. Center NW¼NW¼ sec. 15, blk. B, on east side of U.S. Highway 62, 0.2 mile southwest of junction with State Highway 24. Water levels, in feet below measuring point, 1942: Mar. 27, 21.71; Dec. 18, 19.10.

391 (*840, p. 472; 845, p. 526; 886, p. 739; 909, p. 180; 939, p.136). C. R. Moore. NW¼NE¼ sec. 6, blk. D6, 6.75 miles west of junction of State Highway 24 and U.S. Highway 62. Water levels, in feet below measuring point, 1942: Mar. 25, 78.44; July 29, pumping; Dec. 18, pumping.

392 (*840, p. 472; 845, p. 526; 886, p. 739; 939, p. 136). Mrs. Betty Lindsey and others. NE¼SW¼ sec. 13, blk. D6, on south side of State Highway 24, 10.25 miles west of its junction with U.S. Highway 62. Water levels, in feet below measuring point, 1942: Mar. 25, 92.54; July 29, pumping.

393 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136). Measurements discontinued.

395 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136). H.W. Stanton. NW. corner NE¼NE¼ sec. 16, blk. A, 2.5 miles north of Lubbock County courthouse. Water levels, in feet below measuring point, 1942: Mar. 28, pumping; Dec. 17, 42.94.

397 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136). C. L. Dean. NE. corner SE¼SW¼ sec. 13, blk. JS, 3.5 miles north and 3.5 miles west from Lubbock County courthouse. Water level, in feet below measuring point, 1942: Mar. 26, 14.54.

398 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p.136). E. E. Ireland. SE¼SE¼ sec. 36, blk. D5, 8.5 miles northwest of Lubbock. Water level, in feet below measuring point, 1942: Mar. 26, 13.30.

401 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136). Virginia Bacon. SE. corner SE¼NW¼ sec. 39, blk. D, 0.6 mile west of U.S. Highway 87 and 8 miles north of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 24, 69.34; July 28, 69.05.

402 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p. 136). Fort Worth & Denver City Railway Co. SW¼SW¼ sec. 65, blk. A, on railway right-of-way at Kitalou switch, 0.2 mile north of U.S. Highway 62. Water levels, in feet below measuring point, 1942: Mar. 23, 35.08; Dec. 18, 30.54.

403 (*840, p. 473; 845, p. 526; 886, p. 739; 909, p. 181; 939, p.136). J.E. Smiley. SW. corner SW¼SE¼ sec. 56, blk. A, 8 miles northeast of Lubbock. Water levels, in feet below measuring point, 1942: Mar. 23, 36.86; Dec. 18, 34.82.

Lynn County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, and 909.

604a (*909, p. 181). Owner unknown. SE¼NE¼ sec. 391, blk. 5, 6.7 miles north of courthouse in Tahoka. Water level, in feet below measuring point, 1942: Aug. 7, 46.20.

605 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181). L. King. NE. corner NE¼ sec. 396, blk. 5, T.T.R.R. Co. survey, 8.3 miles north of Tahoka. Water level, in feet below measuring point, 1942: Aug. 7, 61.10.

607 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181). No measurements made in 1942.

608 (*840, p. 474; 845, p. 527; 886, p. 739; 909, p. 181). Owner unknown. NE¼NE¼ sec. 419, blk. 1, D. & S. E. R.R. Co. survey, 14.4 miles north of Tahoka. Water level, in feet below measuring point, 1942: Aug. 7, 99.14.

701 (*840, p. 474; 845, p. 527; 886, p. 740). E.E. Fagg. NE¼ sec. 41, blk. 8, E. L.E.R.R.R.R. Co. survey, 2.4 miles north of O'Donnell. Water level, in feet below measuring point, 1942: Aug. 6, 65.13.

703 (*840, p. 474; 845, p. 527; 886, p. 740; 909, p. 181). No measurements made in 1942.

705 (*840, p. 474; 845, p. 527; 886, p. 740). No measurements made in 1942.

713a (*909, p. 182). City of Tahoka. In Tahoka, 100 feet northeast of city standpipe. Water level, in feet below measuring point, 1942: Aug. 6, 77.08.

806 (*840, p. 475; 845, p. 527; 886, p. 740; 909, p. 182). Mr. Parker. SW. corner NW¼NW¼ sec. 53, blk. 8, 0.6 mile west and 0.2 mile north from O'Donnell water tower. Water level, in feet below measuring point, 1942: Aug. 6, 33.50.

Matagorda County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

3 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137). Measurements discontinued.

33 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137). Turtle Bay School. 5 miles west of Palacios. Water level, in feet below measuring point, 1942: Dec. 16, 8.77.

40 (*840, p. 479; 845, p. 529; 886, p. 741; 909, p. 183; 939, p. 137). City of Palacios. At waterworks. Water level, in feet below measuring point, 1942: Dec. 16, 13.27.

Medina County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

I2-1 (*678,p.118; 840, p. 479; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138). W.A. Weynand. 7.8 miles north of D'Hanis. Water levels, in feet below measuring point, 1942: Aug. 4, 182.0; Nov. 30, 173.94.

I2-7 (*678, p. 118; 840, p. 479; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138). Alfred Schlentz. 8.2 miles north-northwest of Hondo. Water levels, in feet below measuring point, 1942: Apr. 6, 206.90; Aug. 4, 203.04; Nov. 30, 187.23.

I3-2 (*678,p.118; 909, p. 184; 939, p. 138). Mr. Wilson. At waterworks in Hondo. Water levels, in feet below measuring point, 1942: Apr. 8, 163.13; Aug. 4, 165.42.

I3-3 (*678,p.118; 840, p. 479; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138). Gus Britch. 4.7 miles northeast of Hondo. Water levels, in feet below measuring point, 1942: Apr. 6, 176.33; Aug. 4, 173.27; Nov. 30, 158.00.

I3-4 (*678, p. 118; 840, p. 480; 845, p. 529; 909, p. 184; 939, p.138). H.W. McClain. 7.2 miles northeast of Hondo. Water levels, in feet below measuring point, 1942: Apr. 6, 179.00; Aug. 4, 177.98; Nov. 30, 171.69.

I3-5 (*678, p. 118; 840, p. 480; 845, p. 529; 886, p. 741; 909, p. 184; 939, p. 138). No measurements made in 1942.

I4-18 (*673,p. 120; 840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138). Ross Kennedy Estate. 3.7 miles east of Sabinal. Water levels, in feet below measuring point, 1942: Apr. 6, 202.51; Aug. 4, 207.13; Nov. 30, 199.63.

I4-29 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p.138) Illinois Pipe Line Co. 6.3 miles southwest of D'Hanis. Water levels, in feet below measuring point, 1942: Apr. 6, 191.87; Aug. 4, 196.27; Dec. 3, 188.62.

I4-30 (*678, p. 120; 840, p. 480; 845, p. 530; 909, p. 185; 939, p.138) Virgil Johnson. 12 miles southeast of D'Hanis. Water levels, in feet below measuring point, 1942: Apr. 6, 30.37; Aug. 4, 34.73; Dec. 3, 26.97.

XM1 (*840, p. 480; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138). Lenard Otto. 1 mile east of Castroville. Water levels, in feet below measuring point, 1942: Apr. 6, 69.63; Aug. 4, 48.32; Nov. 30, 38.91.

XM2 (*845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138). F.C. Stinsor 6 miles north of Castroville. Water levels, in feet below measuring point, 1942: Apr. 6, 140.40; Aug. 4, 142.73; Nov. 30, 131.40.

XM3 (*840, p. 530; 845, p. 530; 886, p. 741; 909, p. 185; 939, p. 138). John Krenmueller. At Dunlay. Water levels, in feet below measuring point, 1942: Apr. 8, 63.88; Dec. 3, 62.43.

Montgomery County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

22 (*909, p. 187; 939, p. 139). City of Conroe. In Conroe. Water levels, in feet below measuring point, 1942: Jan. 22, 1.75; May 7, 1.21.

29 (*840, p. 481; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 139). Brown Estate. 1.8 miles south of Conroe. Water levels, in feet below measuring point, 1942: Jan. 22, 19.56; May 7, 16.76; July 29, 17.87; Sept. 18, 18.40.

45 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p.139). Blair & Sons. At Tamina. Water levels, in feet below measuring point, 1942: Jan. 22, 22.78; May 7, 23.60; July 29, 21.02; Sept. 18, 21.23.

46 (*840, p. 482; 845, p. 532; 886, p. 742; 909, p. 187; 939, p. 140). E. W. Castleschout. 9.5 miles south of Conroe. Water levels, in feet below measuring point, 1942: Jan. 22, 33.37; May 7, 32.82; July 29, 33.04; Sept. 18, 32.25.

57 (*909,p. 187; 939, p. 140). Mr. Hicks. 2.25 miles northwest of Conroe. Water levels, in feet below measuring point, 1942: Jan. 22, 42.37; May 7, 41.40; July 29, 41.35; Sept. 18, 41.02.

Nacogdoches County

Well numbers correspond to those in Water-Supply Papers 840, 845, 849-A, 886, 909, and 939.

18. City of Cushion. In Cushion. Used drilled public-supply well, diameter 6 inches, screen from 280 to 320 feet. Measuring point, top of 1-inch hole in inner pump base, 1.0 foot above land surface and 410 feet above mean sea level. Equipped with turbine pump.

18. City of Cushion--Continued.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	115.92	Apr. 14	115.85	June 17	115.84	Oct. 18	115.82
Mar. 10	115.39	21	114.84	July 22	118.03	Nov. 15	115.40
17	115.96	May 23	115.21	Sept.15	115.48	Dec. 12	115.22
31	115.89						

66 (*840, p. 483; 845, p.532; 886, p. 743; 909, p. 187; 939, p. 140). No measurements made in 1942.

70 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140). No measurements made in 1942.

76 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140). No measurements made in 1942.

113 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140). No measurements made in 1942.

113a (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p.140). W. McCruistian. 7.2 miles northeast of Nacogdoches.

Water level, in feet below measuring point, 1942

Feb. 18	74.88	Apr. 14	74.93	June 17	74.98	Sept.30	75.92
24	74.92	21	74.83	July 22	75.21	Oct. 17	76.01
Mar. 17	74.90	28	74.94	Aug. 4	75.42	31	76.10
24	74.91	May 12	74.70	19	75.52	Dec. 12	76.36
31	74.92	June 2	75.52	Sept. 2	75.70		

120 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p. 140). Southern Ice Co. In Nacogdoches, 0.35 mile south of railroad station.

Water level, in feet below measuring point, 1942

Feb. 20	28.9	Mar. 24	28.57	July 22	39.35	Oct. 4	36.75
23	27.82	31	28.49	Aug. 4	40.74	18	37.15
24	28.07	Apr. 14	28.59	Sept.21	36.42	Nov. 1	34.75
Mar. 5	28.28	May 23	29.08	29	38.92	15	33.10
10	28.11	June 2	31.06	30	37.96	Dec. 13	32.33
17	28.19						

120-A (*909, p. 188; 939, p. 140). Southern Ice Co. In Nacogdoches, 30 feet south of well 120.

Water level, in feet below measuring point, 1942

Feb. 5	17.12	Mar. 24	17.48	July 22	19.42	Oct. 4	21.73
23	17.00	31	17.66	Aug. 4	22.62	18	21.91
24	17.09	Apr. 14	17.67	Sept.21	21.81	Nov. 1	21.06
Mar. 5	17.15	May 23	17.61	29	21.95	15	20.52
10	17.26	June 2	18.41	30	22.10	Dec. 13	20.36
17	17.28						

121 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p.140). City of Nacogdoches. In city park, 100 feet west of well 122.

Water level, in feet below measuring point, 1942

Feb. 24	48.67	Mar. 24	48.40	May 23	48.97	Oct. 18	58.44
Mar. 5	51.1	31	48.61	Sept.21	54.30	Nov. 1	54.30
10	53.18	Apr. 14	48.81	30	60.04	15	54.52
17	50.16	21	48.62	Oct. 4	57.43	Dec. 13	53.75

122 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939,p.140). City of Nacogdoches. In city park, 100 feet east of well 121.

Water level, in feet below measuring point, 1942

Feb. 24	44.30	Mar. 24	44.52	May 23	44.88	Oct. 18	53.90
Mar. 5	46.9	31	44.71	Sept.21	47.10	Nov. 1	49.87
10	49.87	Apr. 14	44.91	30	55.57	15	50.13
17	46.10	21	44.68	Oct. 4	53.06	Dec. 13	49.63

128 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939, p.140). No measurements made in 1942.

132 (*840, p. 483; 845, p. 533; 886, p. 743; 909, p. 188; 939,p.140). No measurements made in 1942.

178 (*909, p. 188; 939, p. 140). Shell Pipe Line Co. 12 miles west of Nacogdoches.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	93.20	Apr. 14	93.39	July 22	94.46	Oct. 18	94.58
Mar. 10	93.25	21	93.59	Aug. 19	93.57	Nov. 15	94.42
17	93.35	May 23	93.56	Sept. 2	94.90	Dec. 12	95.73
31	93.57						

198 (*840, p. 484; 845, p. 533; 886, p. 743; 909, p. 188; 939, p.140). Piney Woods Country Club. 4.8 miles south-southeast of Nacogdoches.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Sept. 5, 1941	40.72	Mar. 13, 1942	41.82	Aug. 19, 1942	45.36
11	40.82	17	41.77	Sept. 22	44.58
18	40.20	31	42.15	29	44.65
20	39.73	Apr. 15	42.18	Oct. 4	44.91
Feb. 4, 1942	41.50	22	42.35	17	45.17
23	41.63	May 22	43.20	28	44.28

199 (*840, p. 484; 845, p. 533; 886, p. 743; 909, p. 188; 939, p.140). No measurements made in 1942.

206. Southern Creosote Co. In Nacogdoches. Unused drilled test well, diameter 10 inches, depth 530+ feet. Measuring point, top of collar on top of casing, 2.5 feet above land surface and 277 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

June 17, 1941	19.36	Mar. 17, 1942	22.35	Apr. 21, 1942	23.10
Feb. 5, 1942	22.37	24	22.69	28	23.81
Mar. 5	22.32	31	22.86	June 2	25.39
10	22.69	Apr. 14	23.02		

271 (*909, p. 188; 939, p. 140). L.C. Jacobs. 1 mile southeast of Woden.

Water level, in feet above measuring point, 1941-42

Sept. 1, 1941	29.65	Mar. 10, 1942	27.65	Aug. 4, 1942	28.8
19	29.92	17	27.66	18	28.0
Feb. 18, 1942	25.55	Apr. 1	27.61	Oct. 17	28.7
23	27.61	15	27.34	Nov. 13	28.0
Mar. 6	27.63	July 21	29.9		

321. Owner's number W-1-Cx. Southland Paper Mills, Inc. 10 miles south of Nacogdoches. Unused drilled test well, diameter 2 inches, screen at 978-983, 1,078-1,083 and 1,255-1,269 feet. Measuring point, top of casing, 1.0 foot above land surface and 203 feet above mean sea level.

Water level, in feet above measuring point, 1941-42

Oct. 22, 1941	85.5	Apr. 22, 1942	80.9	Sept. 24, 1942	80.2
Feb. 8, 1942	85.7	May 6	81.5	26	81.1
18	83.8	22	82.5	29	80.3
25	84.3	June 16	82.0	Oct. 4	79.9
Mar. 5	81.5	July 21	80.6	17	80.9
13	83.2	Aug. 4	79.9	29	80.4
18	82.0	18	79.5	Nov. 13	80.3
25	82.0	Sept. 1	79.9	Dec. 11	82.0
Apr. 1	83.0	21	79.9	26	83.2
15	81.4				

322. Owner's number C-1-Cx. Southland Paper Mills, Inc. 10 miles south of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 660 to 665 feet. Measuring point, top of collar on top of casing, 1.7 feet above land surface and 202 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Aug. 28, 1941	8.45	Feb. 3, 1942	7.84	Mar. 18, 1942	4.24
Sept. 1	8.79	8	8.49	25	6.08
11	a5.02	18	7.99	Apr. 1	6.85
20	a3.50	25	6.82	15	6.68
Oct. 22	2.94	Mar. 5	3.65	22	7.11
Dec. 18	5.55	13	3.61	May 6	7.43

a Above measuring point.

322. Southland Paper Co.--Continued.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
May 22, 1942	6.69	Sept. 1, 1942	5.62	Oct. 4, 1942	1.29
30	5.60	21	4.89	17	3.73
June 16	5.60	24	4.16	29	4.02
July 3	6.58	26	1.86	Nov. 13	1.98
21	5.31	29	a2.98	Dec. 11	1.72
Aug. 4	6.64	Oct. 1	a2.68	26	1.32
18	5.85				

323. Owner's number S-1-Cx. Southland Paper Mills, Inc. 10 miles south of Nacogdoches. Unused drilled test well, diameter 2 inches, screen at 92-97 and 160-165 feet. Measuring point, top of collar on top of casing 1.8 feet above land surface and 202 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Oct. 22, 1941	4.68	May 6, 1942	3.73	Sept. 1, 1942	8.66
Dec. 18	4.23	22	3.39	21	8.64
Feb. 3, 1942	4.04	30	3.68	24	8.84
8	4.05	31	4.84	26	8.81
18	4.11	June 2	4.45	29	8.94
25	4.02	3	4.30	Oct. 1	8.89
Mar. 5	3.80	4	4.28	4	8.97
13	3.69	6	4.17	17	9.03
18	3.83	July 3	5.65	29	9.06
25	3.95	9	8.14	Nov. 13	9.09
Apr. 1	4.07	21	8.48	Dec. 11	8.68
15	3.63	Aug. 4	8.73	26	8.55
22	3.42	18	8.90		

324. Owner's number W-1-AL. Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen at 770-775, 810-815, and 860-865 feet. Measuring point, top of collar on top of casing, 1.5 feet above land surface and 298 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Oct. 22, 1941	47.78	Apr. 15, 1942	49.42	Sept. 21, 1942	52.82
Feb. 3, 1942	47.96	22	49.46	24	52.92
8	48.02	May 5	49.82	26	52.88
18	48.37	22	50.16	Oct. 1	53.11
25	48.34	June 16	50.65	17	52.96
Mar. 5	48.47	July 21	51.65	29	53.39
13	48.62	Aug. 4	52.07	Nov. 13	54.01
18	48.88	18	52.40	Dec. 11	54.40
25	48.91	Sept. 1	52.43	26	54.38
Apr. 1	49.36				

325. Owner's number C-1-AL. Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 650 to 655 feet. Measuring point, top of collar on top of casing, 1.7 feet above land surface and 299 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Oct. 22, 1941	81.56	Apr. 15, 1942	82.31	Sept. 24, 1942	82.63
Feb. 3, 1942	81.88	22	82.32	26	82.48
8	82.03	May 5	82.33	29	82.72
18	82.15	22	82.38	Oct. 1	82.72
25	82.19	June 16	82.44	17	82.55
Mar. 5	82.23	July 21	82.50	29	82.62
13	82.31	Aug. 4	83.54	Nov. 13	82.76
18	82.31	18	82.58	Dec. 11	82.77
25	82.28	Sept. 1	82.63	26	82.75
Apr. 1	82.29	21	82.70		

326. Owner's number S-A1-AL. Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 235 to 240 feet. Measuring point, top of collar on top of casing, 1.1 feet above land surface, and 299 feet above mean sea level.

a Above measuring point.

326. Southland Paper Mills, Inc.--Continued.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1941	102.60	Apr. 15, 1942	101.61	Sept. 21, 1942	102.09
Feb. 3, 1942	101.91	22	101.55	24	102.19
8	101.84	May 5	101.59	26	102.09
18	101.93	22	101.47	Oct. 1	102.24
25	101.75	June 16	101.50	17	102.39
Mar. 5	101.44	July 21	101.86	29	102.42
13	101.59	Aug. 4	102.03	Nov. 13	102.50
18	101.74	18	102.18	Dec. 11	102.57
25	101.57	Sept. 1	101.97	26	102.28
Apr. 1	101.82				

327. Owner's number S-B1-AL. Southland Paper Mills, Inc. 11 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 209 to 214 feet.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1941	98.38	Apr. 15, 1942	93.52	Sept. 21, 1942	94.62
Feb. 3, 1942	95.11	22	93.43	24	94.70
8	94.99	May 5	93.42	26	94.69
18	95.00	22	93.27	Oct. 1	94.80
25	94.74	June 16	93.53	17	94.91
Mar. 5	94.49	July 21	94.12	29	95.41
13	94.05	Aug. 4	94.49	Nov. 13	95.74
18	94.00	18	94.72	Dec. 11	96.32
25	93.87	Sept. 1	94.39	26	96.63
Apr. 1	93.93				

329. Owner's number S-A3-AL. Southland Paper Mills, Inc. 9.5 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 209 to 214 feet. Measuring point, top of collar on top of casing, 0.3 foot above land surface and 280 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1941	91.16	Apr. 1, 1942	90.22	Aug. 18, 1942	90.45
Feb. 3, 1942	90.92	15	90.09	Sept. 21	90.52
8	90.38	22	89.94	26	90.44
18	90.37	May 5	89.96	Oct. 17	90.51
25	90.22	22	89.90	29	90.85
Mar. 5	90.12	June 16	89.86	Nov. 13	90.85
13	90.07	July 21	90.25	Dec. 11	90.91
18	90.14	Aug. 4	90.37	26	90.66
25	90.04				

330. Owner's number S-B3-AL. Southland Paper Mills, Inc. 9.5 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen at 70-75 and 165-170 feet. Measuring point, top of collar on top of casing, 0.5 foot above land surface, and 281 feet above mean sea level.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1941	102.74	Apr. 1, 1942	101.52	Aug. 18, 1942	101.32
Feb. 3, 1942	101.58	15	101.20	Sept. 21	101.36
8	101.31	22	101.10	26	101.10
18	101.58	May 5	101.24	Oct. 17	101.22
25	101.45	22	101.04	29	101.26
Mar. 5	101.32	June 16	101.08	Nov. 13	101.34
13	101.21	July 21	101.21	Dec. 11	101.33
18	101.47	Aug. 4	101.30	26	101.94
25	101.24				

331. Owner's number W-4-AL. Southland Paper Mills, Inc. 8 miles southeast of Nacogdoches. Unused drilled test well, diameter 2 inches, screen from 800 to 805 feet. Measuring point, top of collar on top of casing, at land surface and 270 feet above mean sea level.

331. Southland Paper Mills, Inc.--Continued.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Dec. 2, 1941	38.84	Apr. 15, 1942	41.30	Sept.24, 1942	43.51
18	39.30	22	41.38	26	43.44
Feb. 3, 1942	39.85	May 5	41.90	29	43.65
8	39.88	22	42.10	Oct. 1	43.46
18	40.18	June 9	42.42	4	43.38
25	40.36	16	42.39	17	43.27
Mar. 5	40.51	July 21	42.90	29	43.30
13	40.45	Aug. 4	43.16	Nov. 13	43.56
18	40.71	18	43.38	Dec. 11	43.70
25	40.75	Sept. 1	43.47	26	43.63
Apr. 1	41.24	21	43.44		

Parmer County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

2 (*840, p. 485; 845, p. 534; 886, p. 745; 939, p. 141). Panhandle & Santa Fe Railway Co. SW¼NE¼ sec. 17, blk. Z, in Lariat. Water levels, in feet below measuring point, 1942: Mar. 17, 101.95; July 29, 101.88.

5 (*840, p. 485; 845, p. 534). Measurements discontinued.

6 (*840, p. 485; 845, p. 534). Mrs. K. Hamlin. SE¼NE¼ sec. 4, T.16 S., 2.5 miles east of Farwell. Water level, in feet below measuring point, 1942: Mar. 17, 155.62.

8 (*840, p. 486; 845, p. 534). No measurements made in 1942.

9 (*840, p. 486; 845, p. 534; 886, p. 745). No measurements made in 1942.

10 (*840, p. 486; 845, p. 535). No measurements made in 1942.

11 (*840, p. 486; 845, p. 535; 886, p. 745). No measurements made in 1942.

11a (*845, p. 535; 886, p. 745). No measurements made in 1942.

12 (*840, p. 486; 845, p. 535). No measurements made in 1942.

13 (*840, p. 486; 845, p. 535; 886, p. 745). Measurements discontinued.

14 (*840, p. 486; 845, p. 535; 886, p. 745). Measurements discontinued.

15 (*840, p. 486; 845, p. 535; 886, p. 745). A.C. Hays, NW¼SW¼ sec.20, T. 1 N., R. 5 E. 1 mile southeast of Black. Water levels, in feet below measuring point, 1942: Feb. 5, 139.52; Aug. 3, 139.39.

Randall County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

6a (*845, p. 535; 886, p. 746; 909, p. 190; 939, p. 141). Owner unknown. NW. corner NW¼ sec. 4, blk. 9, 10.5 miles north of Canyon. Water levels, in feet below measuring point, 1942: Aug. 4, 145.10; Nov. 24, 145.23.

7b (*840, p. 487; 845, p. 536; 909, p. 190; 939, p. 141). C.H. Ray. NW¼SW¼ sec. 33, blk. 1, T.T.R.R. survey, 4.75 miles north of Canyon. Water levels, in feet below measuring point, 1942: Feb. 18, 108.00; Aug. 4, 108.20; Nov. 24, 107.85.

83a (*845, p. 536; 886, p. 746; 909, p. 190; 939, p. 141). Owner unknown. SE. corner NE¼ sec. 28, blk. B5, 2 miles west of Canyon. Water levels, in feet below measuring point, 1942: Feb. 18, pumping; Aug. 4, 79.23.

103 (*840, p. 487; 845, p. 536; 886, p. 746; 909, p. 190; 939, p. 141) W.H. Bush Estate. SW¼NW¼NW¼ sec. 64, blk. B5, 1.2 miles south of Canyon. Water levels, in feet below measuring point, 1942: Feb. 18, 9.85; July 8, 10.56.

117 (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142). Melton Dooley. NE¼NW¼ sec. 128, blk. B5, 4.75 miles south of Canyon. Water levels, in feet below measuring point, 1942: Feb. 18, 37.96; Aug. 4, 38.65.

145a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142). Owner unknown. SE. corner NE¼ sec. 10, blk. B5, 7.5 miles west of Canyon. Water levels, in feet below measuring point, 1942: Feb. 17, 111.80; Aug. 4, 111.53.

160a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142). No measurements made in 1942.

167a (*845, p. 536; 886, p. 746; 909, p. 191). No measurements made in 1942.

172a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142). Owner unknown. NE¼NW¼SW¼ sec. 107, blk. B5, H. & G. N. R. R. survey, 9.5 miles west from Canyon. Water level, in feet below measuring point, 1942: July 9, 108.94.

189a (*845, p. 536; 886, p. 746; 909, p. 191; 939, p. 142). No measurements made in 1942.

Reeves County

Well numbers correspond to those in Water-Supply Paper 939.

8 (*939, p. 142). Measurements discontinued.

31 (*939, p. 142). Nasario Lara. 13.5 miles north of Pecos. Water level, in feet below measuring point, 1942: Mar. 4, 23.41.

52 (*939, p. 142). J. Y. Crum. 7.25 miles north of Pecos. Water level, in feet below measuring point, 1942: Mar. 4, 10.02.

54 (*939, p. 142). No measurements made in 1942.

55 (*939, p, 143). No measurements made in 1942.

57 (*939, p. 143). John Lopoo. 5 miles north of Pecos. Water level, in feet below measuring point, 1942: Mar. 4, 3.45.

63 (*939, p. 143). No measurements made in 1942.

92 (*939, p. 143). No measurements made in 1942.

93 (*939, p. 143). H.C. Bryan. 4 miles northwest of Pecos. Water levels, in feet below measuring point, 1942: Mar. 2, 32.01; Dec. 30, 33.61.

95. M. L. Todd, formerly owned by J. L. Furr. NW¼NE¼ sec. 74, blk. 4, H. & G. N. R. R. survey, 4.25 miles west of Pecos, on east side of graded road. Unused dug and drilled irrigation well, depth 129 feet. Measuring point through June 1, 1932, bench mark in upper edge of east 6- by 6 inch crossbeam at land surface. Measuring point, November 1939 to May 1941, top of west 6- by 6-inch crossbeam at land surface. Measuring point since December 1941, northeast corner of pit at land surface.

Water level, in feet below measuring point, 1927, 1930-32, 1939-42

Date	Water level	Date	Water level	Date	Water level
June-July, 1927	16	Oct. 27, 1931	17.30	Apr. 16, 1940	22.40
Sept.15, 1930	13.31	Dec. 5	17.42	May 17	22.49
Dec. 18	15.06	31	17.45	Aug. 8	22.73
Mar. 4, 1931	15.94	Feb. 2, 1932	17.18	Sept.16	22.85
Apr. 6	16.21	Mar. 1	17.80	Nov. 14	22.77
May 6	16.39	Apr. 1	17.04	Feb. 13,1941	22.55
June 2	16.27	May 2	17.01	May 10	23.10
July 2	16.53	June 1	17.02	Dec. 16	17.83
Aug. 5	16.83	Nov. 15, 1939	21.97	Mar. 2, 1942	18.30
Sept. 3	17.06	Feb. 3, 1940	22.20	Aug. 20	21.30
Oct. 1	17.33	29	22.28	Dec. 30	21.70

96 (*939, p. 143). No measurements made in 1942.

100 (*939, p. 144). No measurements made in 1942.

100a (*939, p. 144). No measurements made in 1942.

106 (*939, p. 144). Reba Morgan Dairy. 2.5 miles west of Pecos. Water level, in feet above measuring point, 1942: Feb. 28, 1.90.

114 (*939, p. 144). A. Schmid. 2.25 miles north of Pecos. Water levels, in feet above measuring point, 1942: Feb. 28, 6.70; Aug. 20, 5.30; Dec. 30, 7.80.

122 (*939, p. 144). R. V. Nabers. In northern part of Pecos. Water level, in feet above measuring point, 1942: Feb. 28, 14.70.

124 (*939, p. 144). Texas Highway Department. At roadside park on U.S. Highway 285 at north edge of Pecos. Water levels, in feet above measuring point, 1942: Feb. 28, 16.20; Aug. 20, 8.50; Dec. 30, 6.40.

130 (*939, p. 144). E.C. Langston. In northeast edge of Pecos. Water levels, in feet above measuring point, 1942: Feb. 28, 17.40; Aug.20, 10.00; Dec. 30, 14.30.

140 (*939, p. 145). E. B. Kiser. In Pecos. Water level, in feet above measuring point, 1942: Feb. 28, 15.10.

155 (*939, p. 145). J.S. Moore. In Pecos. Water level, in feet below measuring point, 1942: Feb. 28, 5.78.

167 (*939, p. 145). Ed Otto. In Pecos. Water levels, in feet below measuring point, 1942: Feb. 28, 6.61; Aug. 20, 0.82.

181 (*939, p. 145). J.B. Heard. In Pecos. Water level, in feet below measuring point, 1942: Feb. 28, 4.85.

185 (*939, p. 145). Bill Rossman. In Pecos. Water levels, in feet below measuring point, 1942: Feb. 28, 15.30; Dec. 30, 12.60.

200 (*939, p. 145). J.W. Brooks. In Pecos.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.30	.....	9.70	.....	.....	.....	15.75	17.26	13.24	12.09	11.97	11.07
2	9.31	9.52	9.57	.....	.....	14.34	.....	16.77	13.01	11.95	12.06	10.97
3	9.39	9.52	9.74	.....	.....	14.35	.....	16.45	12.70	11.99	12.30	10.87
4	9.36	9.74	....	.....	.....	14.10	15.50	16.24	12.58	11.94	12.04	10.90
5	9.30	9.68	....	.....	.....	13.76	15.15	16.66	12.54	11.96	11.91	10.96
6	9.20	9.83	....	12.10	.....	13.80	15.15	17.06	12.45	12.12	11.64	10.86
7	9.29	9.93	....	11.72	.....	13.84	15.43	17.15	12.40	11.97	11.49	10.70
8	9.12	9.93	....	11.38	.....	14.04	15.65	17.05	12.37	12.02	11.38	10.60
9	9.12	9.92	....	11.10	.....	13.85	15.92	16.57	12.37	11.93	11.40	.....
10	9.10	9.93	....	11.26	.....	14.12	15.65	16.41	12.30	12.13	11.34	.....
11	9.13	9.74	....	11.31	.....	14.35	15.99	16.47	12.38	12.46	11.27	.....
12	9.22	10.10	10.40	11.64	.....	.....	15.75	16.45	12.37	12.38	.....	.....
13	9.14	9.96	10.25	11.50	.....	14.50	15.67	16.56	12.54	12.50	.....	.....
14	9.15	9.91	10.43	11.94	.....	14.61	.....	16.38	12.47	12.47	.....	.....
15	9.07	10.20	10.38	12.16	.....	14.37	.....	16.40	12.63	12.46	.....	.....
16	9.00	10.07	10.40	.....	15.46	14.75	.....	16.30	12.66	.....	.....	.....
17	9.00	9.95	10.55	.....	14.01	15.15	.....	16.00	12.74	.....	11.09	.....
18	9.04	10.04	10.50	.....	14.20	15.45	.....	16.10	12.77	.....	10.98	.....
19	9.15	9.85	10.24	.....	14.15	15.41	.....	15.70	12.57	.....	10.94	.....
20	9.15	.....	10.25	.....	.....	15.40	17.20	15.45	12.45	.....	11.00	.....
21	9.16	.....	10.80	12.50	.....	15.14	16.91	14.85	12.43	.....	11.05	.....
22	9.06	.....	10.87	12.17	.....	15.37	17.34	14.35	12.25	.....	11.11	.....
23	9.05	9.87	11.00	11.85	13.88	15.51	17.09	14.06	12.44	11.86	11.06	.....
24	9.04	9.77	11.06	11.90	.....	15.35	17.32	13.81	12.47	.....	10.97	.....
25	....	9.69	11.09	12.15	.....	15.34	17.24	13.64	.....	.....	10.90	.....
26	....	9.84	11.07	.....	.....	15.67	17.30	13.54	.....	.....	11.00	.....
27	....	9.66	11.37	.....	.....	15.80	16.91	13.65	12.33	.....	.....	.....
28	....	9.56	11.30	13.15	15.46	15.56	17.06	13.73	12.46	.....	.....	.....
29	....	.....	11.39	.....	.....	15.60	17.14	14.05	12.31	.....	.....	10.04
30	....	.....	.....	.....	.....	15.73	17.52	14.18	12.26	.....	11.00	10.09
31	....	.....	.....	.....	.....	.....	17.80	13.50	.....	11.69	.....	10.04

200a. J.W. Brooks. In Pecos, at Fourth and Ross Streets, east of Camp Hospital and about 30 feet from well 200. Dug and drilled test well, drilled diameter 12 inches, depth 16 feet. Automatic water-stage recorder installed May 3, 1940. Measuring point, top of recorder platform, 3.5 feet above land surface.

200a. J.W. Brooks--Continued.

Highest daily water level, in feet below measuring point, 1940
(From recorder charts)

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	13.72	.....	15.36	15.40	15.68	13.46	13.40
2	.....	13.71	.....	15.38	15.40	15.73	13.47	13.40
3	14.08	13.68	.....	15.46	15.40	15.73	13.47	13.40
4	14.05	13.64	.....	15.47	15.45	15.73	13.48	13.39
5	14.00	13.64	.....	15.48	15.49	15.74	13.51	13.42
6	13.99	13.63	.....	15.42	15.51	15.75	13.54	13.41
7	13.97	13.61	.....	15.37	15.53	15.77	13.54	13.42
8	13.88	.....	.....	15.37	15.54	15.78	13.46	13.43
9	13.92	.....	.....	15.37	15.55	.....	13.42	13.40
10	13.95	.....	.....	15.38	15.53	.....	13.39	13.41
11	13.96	.....	.....	15.38	15.53	15.32	13.42	13.44
12	13.97	.....	.....	15.36	15.53	.....	13.42	13.47
13	13.98	.....	.....	15.32	15.55	.....	13.43	13.46
14	.....	.....	.....	15.29	15.56	.....	13.40	13.43
15	.....	.....	15.24	15.25	15.56	.....	13.37	13.45
16	.....	.....	15.24	15.24	.....	13.84	13.37	13.44
17	13.90	.....	15.24	15.28	.....	13.75	13.35	13.41
18	13.86	.....	15.25	15.31	15.62	13.64	13.35	13.42
19	13.84	.....	15.29	15.32	15.63	13.57	13.35	13.44
20	13.89	.....	15.30	15.32	15.63	13.52	13.39	13.43
21	13.86	.....	15.30	15.32	15.65	13.49	13.38	13.45
22	13.84	.....	15.33	15.32	15.65	13.48	13.39	13.42
23	13.85	.....	15.35	15.34	15.66	13.46	13.41	13.38
24	13.88	.....	15.37	15.38	15.66	13.46	13.44	13.38
25	13.90	.....	15.37	15.40	15.68	13.45	13.37	13.37
26	13.86	.....	15.39	15.40	15.70	13.44	13.40	13.34
27	13.83	.....	15.41	15.41	15.65	13.42	13.43	13.36
28	13.79	.....	15.42	15.44	15.61	13.43	13.39	13.38
29	13.75	.....	15.42	15.45	15.61	13.49	13.39	13.40
30	13.76	.....	15.43	15.48	15.64	13.46	13.39	13.40
31	13.75	.....	15.43	15.50	.....	13.46	.....	13.42

Highest daily water level, in feet below measuring point, 1941 a/
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.45	13.24	12.92	12.90	12.76	11.35	11.80	11.98	12.49	11.41	10.84	11.37
2	13.48	13.24	12.92	12.90	12.71	11.40	11.83	11.95	12.47	11.39	10.84	11.38
3	.....	13.24	12.93	12.92	12.62	11.42	11.87	11.81	12.43	11.39	10.84	11.38
4	13.40	13.20	12.97	12.92	12.57	11.46	11.92	11.79	12.38	11.39	10.84	11.38
5	13.41	13.16	12.92	12.90	12.55	11.44	11.93	11.80	12.32	11.40	10.84	11.38
6	13.41	13.15	12.93	12.87	12.53	11.40	11.95	11.81	12.28	11.41	10.87	11.40
7	13.43	13.17	12.97	12.87	12.53	11.38	11.96	11.82	12.25	11.44	10.87	11.43
8	13.43	13.16	12.98	12.92	12.48	11.37	11.98	11.82	12.23	11.47	10.92	11.43
9	13.45	13.10	12.91	12.93	12.47	11.38	11.98	11.85	12.22	11.49	10.93	11.43
10	.....	13.10	12.89	12.95	12.49	11.42	11.97	11.88	12.25	11.53	10.94	11.43
11	13.37	13.04	12.81	12.96	12.50	11.49	11.97	11.92	12.26	11.59	10.97	.....
12	13.33	13.00	12.84	12.98	12.13	11.55	11.98	11.95	.....	11.61	11.00	.....
13	13.33	13.05	12.98	13.00	12.11	11.60	12.02	12.00	.....	11.62	11.01	.....
14	13.30	13.05	12.90	13.05	12.09	11.63	12.07	12.05	.....	11.64	11.02	.....
15	13.30	13.05	12.90	13.07	12.09	11.44	12.10	12.13	.....	11.67	11.05	.....
16	13.30	13.03	12.94	13.08	12.10	11.36	12.13	12.19	.....	11.71	.....	.....
17	13.32	13.04	12.96	13.10	12.12	11.34	12.17	12.23	.....	11.74	.....	.....
18	13.34	13.01	12.94	13.10	12.13	11.33	12.16	12.27	12.11	11.75	.....	.....
19	13.29	13.02	12.87	13.11	12.12	11.33	12.17	12.30	12.01	11.76	.....	.....
20	13.26	13.05	12.86	13.18	12.13	11.34	12.22	12.36	11.94	11.77	.....	11.47
21	13.27	13.04	12.86	13.23	12.15	11.40	12.26	12.40	11.89	11.78	.....	11.45
22	13.26	13.04	12.89	13.26	12.17	11.45	12.30	12.44	11.86	11.81	11.19	11.44
23	13.26	.....	12.90	13.22	12.00	11.50	12.35	12.48	11.61	11.82	11.19	11.44
24	13.27	.....	12.89	13.20	11.50	11.52	12.40	12.50	11.51	11.71	11.23	11.43
25	13.27	.....	12.87	13.20	11.35	11.52	12.43	12.47	11.46	11.06	11.27	11.43
26	13.28	.....	12.87	13.19	11.29	11.55	12.46	12.44	11.44	10.97	11.28	11.45
27	13.31	.....	12.91	13.17	11.28	11.60	12.51	12.44	11.41	10.94	11.28	11.48
28	13.32	.....	12.93	13.10	11.28	11.65	12.54	12.44	11.40	10.90	11.30	11.50
29	13.27	.....	12.90	12.95	11.28	11.69	12.53	12.46	11.41	10.86	11.32	11.51
30	13.26	.....	12.89	12.84	11.30	11.75	12.43	12.46	11.41	10.85	11.54	11.51
31	13.26	.....	12.89	.....	11.33	.....	11.98	12.47	.....	10.85	.....	11.50

a Rise in water level during summer of 1941 due to unusually heavy rainfall.

200a. J.W. Brooks--Continued.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	11.50	11.62	11.66	.....	11.73	.....	.....	13.80	14.08	12.95
2	11.51	11.64	11.68	.....	11.76	12.50	.....	13.82	13.99	12.97
3	11.51	11.64	11.68	.....	11.77	12.51	.....	13.84	.....	12.99
4	.....	11.64	11.68	.....	11.80	12.54	13.28	13.86	.....	13.02
5	.....	11.64	11.68	.....	11.82	12.56	13.29	13.87	.....	13.03
6	.....	11.64	11.65	11.80	11.85	12.57	13.30	13.89	.....	13.05
7	11.60	11.65	11.64	11.80	11.93	12.59	13.31	13.91	12.93	13.08
8	11.60	11.64	11.65	11.80	11.94	12.61	13.33	13.92	12.90	a13.10
9	11.60	11.64	11.67	11.81	11.95	12.62	13.32	13.94	12.84	.....
10	11.61	11.65	11.67	11.81	11.97	12.64	13.32	13.97	12.81	.....
11	11.62	.....	.....	11.81	11.99	.....	13.34	13.98	12.79	.....
12	11.62	11.67	.....	11.80	12.01	.....	13.37	13.99	12.78	.....
13	11.61	11.67	11.65	11.80	12.04	12.74	.....	14.02	12.75	.....
14	11.61	11.66	11.63	11.79	12.08	12.75	.....	14.03	12.74	.....
15	11.61	11.65	11.61	.....	12.10	12.77	.....	14.04	12.74	.....
16	11.61	11.65	11.62	.....	12.11	12.79	.....	14.05	12.74	.....
17	11.59	11.65	11.62	.....	12.12	12.82	.....	14.07	12.74	.....
18	11.59	11.66	11.64	.....	12.15	12.85	.....	14.08	12.75	.....
19	11.60	11.68	11.63	.....	12.19	12.88	.....	14.09	12.76	.....
20	11.61	11.68	11.63	.....	12.23	12.91	13.57	14.10	12.78	.....
21	11.62	.....	11.65	11.71	12.21	12.93	13.58	14.13	12.80	.....
22	11.62	.....	11.69	11.69	12.29	12.96	13.61	14.12	12.81	.....
23	11.62	11.65	11.67	11.67	12.31	12.99	13.63	14.12	12.83	.....
24	11.61	11.64	11.66	11.67	12.33	13.02	13.65	14.13	.....	.....
25	11.60	11.65	11.66	11.67	12.34	13.04	13.67	14.14	.....	.....
26	11.59	11.65	11.67	11.67	12.35	13.08	13.69	14.14	12.85	.....
27	11.59	11.67	11.69	11.68	12.36	13.10	13.71	14.14	12.87	.....
28	11.60	11.66	11.72	11.69	12.37	13.13	13.73	14.14	12.89	.....
29	11.59	.....	.....	11.70	12.39	13.16	13.74	14.15	12.99	.....
30	11.59	.....	.....	11.71	12.42	13.18	13.76	14.15	12.91	.....
31	11.60	.....	.....	.....	.....	.....	13.78	14.11	.....	.....

202 (*939, p. 147). Texas Highway Department. In west edge of Pecos. Water levels, in feet below measuring point, 1942: Feb. 28, pumping; Aug. 20, 6.21.

231 (*939, p. 147). W.W. Dean. In Pecos. Water level, in feet above measuring point, 1942: Feb. 28, 6.50.

239 (*939, p. 147). B.T. Biggs. In Pecos.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	0.48	Mar. 28	2.08	Aug. 6	6.72	Sept.16	3.56
31	.31	Apr. 26	3.03	10	6.28	24	3.23
Feb. 7	.38	May 7	3.81	14	6.80	Oct. 2	2.97
23	1.18	12	3.94	18	6.32	16	2.61
25	.96	June 12	5.08	20	5.96	Nov. 2	3.11
27	1.10	July 23	6.82	29	4.93	12	2.30
28	.90	30	7.00	Sept. 9	3.36	Dec. 30	1.12
Mar. 14	1.23						

253 (*939, p. 147). L.F. Buchanan. In Pecos. Water level, in feet above measuring point, 1942: Feb. 28, 6.01.

265 (*939, p. 147). S.M. Prewit. 1 mile south of Pecos. Water levels, in feet above measuring point, 1942: Feb. 28, 4.90; Aug. 20, b/0.28; Dec. 30, 4.80.

266 (*939, p. 148). Jim Deakins. 1 mile southeast of Pecos.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Jan. 1	1.59	Jan. 10	1.66	Jan. 14	1.65	Jan. 18	1.62
2	1.57	11	1.67	15	1.66	19	1.67
3	1.59	12	1.65	16	1.60	20	1.68
4	1.62	13	1.61	17	1.59	21	1.68

a Recorder removed Oct. 8, 1942.
b Below measuring point.

266. Jim Deakins--Continued.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	1.64	Feb. 20	1.68	Mar. 19	1.75	May 10	2.02
23	1.63	21	1.64	20	1.75	11	2.01
24	1.62	22	1.59	21	1.91	12	1.97
25	1.60	23	1.63	22	1.90	13	1.97
26	1.60	24	1.68	23	1.83	16	2.02
27	1.64	25	1.59	24	1.78	17	2.06
28	1.58	26	1.65	25	1.79	18	2.11
29	1.55	27	1.67	26	1.86	19	2.22
30	1.61	28	1.59	27	1.93	20	2.22
31	1.67	Mar. 1	1.67	28	1.90	21	2.21
Feb. 1	1.67	2	1.71	29	1.90	22	2.21
2	1.66	3	1.68	30	1.91	23	2.20
3	1.62	4	1.68	Apr. 7	1.89	24	2.13
4	1.61	5	1.71	21	1.90	25	2.08
5	1.60	6	1.62	22	1.81	26	2.05
6	1.63	7	1.66	23	1.80	27	2.09
7	1.62	8	1.83	24	1.81	28	2.11
8	1.59	9	1.78	25	1.85	29	2.12
9	1.63	10	1.75	26	1.86	30	2.13
10	1.68	11	1.78	27	1.86	31	2.16
11	1.69	12	1.78	28	1.88	June 1	2.20
14	1.63	13	1.79	29	1.88	2	a2.25
15	1.60	14	1.77	30	1.90	23	2.41
16	1.62	15	1.69	May 6	2.04	July 21	3.16
17	1.65	16	1.79	7	2.03	28	3.00
18	1.67	17	1.82	8	2.01	Aug. 20	3.04
19	1.66	18	1.78	9	2.00	Dec. 30	2.41

271 (*939, p. 148). No measurements made in 1942.

274 (*939, p. 149). No measurements made in 1942.

283 (*939, p. 149). J.M. Williams. 3.5 miles southwest of Pecos. Water levels, in feet below measuring point, 1942: Feb. 23, 24.10; Mar. 12, 25.06; Aug. 20, 28.42; Dec. 30, 25.48.

286 (*939, p. 149). Texas Highway Department. 4 miles southwest of Pecos, on south side of U.S. Highway 80. Water levels, in feet below measuring point, 1942: Feb. 23, 32.90; Mar. 2, 33.82; Aug. 20, 35.16; Dec. 30, 34.67.

289 (*939, p. 149). Bell and Reagan. 5.25 miles west of Pecos, 300 feet south of U.S. Highway 80.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
1	52.07	52.34	52.36	.....	54.93	54.25	55.07	56.02	.....	.....	.....
2	52.06	52.14	52.28	.....	55.04	54.10	.....	(b)	.....	.....	.....
3	52.07	52.24	52.63	.....	55.01	54.64	.....	.....	.....	.....	.....
4	52.10	52.38	52.35	.....	54.41	54.48	.....	.....	.....	.....	.....
5	.....	52.25	52.29	.....	54.85	54.28	54.61	.....	.....	.....	.....
6	.....	52.37	52.50	.....	54.76	54.42	54.55	.....	.....	.....	.....
7	52.13	52.45	52.67	53.75	55.23	54.29	54.84	.....	.....	.....	.....
8	52.02	52.17	52.36	53.55	55.01	54.01	54.99	.....	.....	.....	.....
9	52.02	52.16	52.27	53.35	54.65	54.09	54.98	.....	.....	.....	.....
10	52.06	52.45	52.44	53.60	54.34	54.30	54.85	.....	.....	.....	.....
11	52.05	52.40	52.77	53.77	54.31	54.31	55.13	.....	.....	.....	.....
12	52.03	52.53	.....	53.70	54.27	.....	54.84	.....	.....	.....	.....
13	51.99	52.49	52.88	53.50	54.28	.....	54.86	.....	.....	.....	.....
14	52.02	52.33	52.88	54.44	54.76	54.65	.....	.....	.....	.....	.....
15	52.02	52.54	53.06	54.65	54.92	54.32	.....	.....	.....	.....	.....
16	51.95	52.46	52.76	.....	54.48	54.43	.....	.....	.....	.....	.....
17	51.94	52.73	53.41	.....	54.44	55.04	.....	.....	.....	.....	.....
18	51.96	52.65	53.26	.....	54.52	55.24	.....	.....	.....	.....	.....

a Recorder removed June 2, 1942.
b Recorder removed Aug. 1, 1942.

289. Ball and Reagan--Continued.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
19	52.02	52.44	53.65	.....	54.48	55.02	.....	.....	.....	.....	.....
20	52.04	52.40	53.55	.....	54.35	54.96	.....	54.97	.....	.....	.....
21	52.00	.....	53.64	.....	54.86	55.12	55.62	.....	.....	.....	.....
22	51.95	.....	53.64	54.18	54.87	55.21	55.56	.....	.....	.....	.....
23	51.94	.....	53.27	53.70	54.12	55.32	55.55	.....	.....	53.84	.....
24	51.93	52.38	53.36	53.87	53.85	55.05	55.57	.....	.....	.....	.....
25	51.90	52.46	53.37	54.06	53.68	55.14	55.98	.....	.....	.....	.....
26	51.90	52.57	53.25	54.03	53.76	55.06	55.93	.....	54.21	.....	.....
27	52.17	52.27	53.65	53.95	53.73	55.25	55.83	.....	.....	.....	.....
28	52.31	52.15	53.81	54.01	54.02	54.73	56.08	.....	.....	.....	.....
29	52.31	.....	53.45	54.71	54.26	54.96	55.73	.....	.....	.....	.....
30	52.45	.....	53.18	54.97	54.45	55.02	55.78	.....	.....	.....	52.58
31	52.50	.....	.....	.....	.....	.....	55.76	.....	.....	.....	.....

292 (*939, p. 150). Texas Highway Department. 8.25 miles west of Pecos, on U.S. Highway 80 right-of-way. Water levels, in feet below measuring point, 1942: Feb. 28, 94.21; Mar. 2, 95.38; Aug. 20, 96.82; Dec. 30, 95.74.

294. Billie Prewit. SW. corner sec. 23, blk. C-9, public school land, 10.2 miles west of Pecos, 800 feet south of U.S. Highway 80. Used drilled stock well, diameter 5 inches, depth 137 feet. Measuring point, top of 4- by 4-inch wooden pipe clamp, 1.6 feet above surface.

Water level, in feet below measuring point, 1939-42

Date	Water level	Date	Water level	Date	Water level
Dec. 15, 1939	126.40	Aug. 8, 1940	124.19	May 10, 1941	126.36
Feb. 13, 1940	124.19	Nov. 21	127.55	Mar. 2, 1942	123.31
Apr. 17	124.45	Feb. 14, 1941	125.54	Dec. 30	124.16
May 16	124.05				

338 (*939, p. 151). No measurements made in 1942.

363a (*939, p. 151). Billie Prewit. 11.75 miles southwest of Pecos. Water levels, in feet below measuring point, 1942: Mar. 2, 21.32; Aug. 20, 24.04; Dec. 30, 23.88.

366. S. L. Stevens. NW¼SE¼ sec. 147, blk. 13, H. & G. N. R. R. survey, 14 miles southwest of Pecos. Unused dug and drilled irrigation well, depth 150 feet. Measuring point, bench mark in top of south 8- by 8-inch frame timber level with land surface and 2,692.31 feet above mean sea level.

Water level, in feet below measuring point, 1940-42

Feb. 10, 1940	22.62	May 15, 1941	22.47	Aug. 20, 1942	20.51
July 31	23.15	Mar. 2, 1942	19.68	Dec. 30	21.97
Mar. 14, 1941	22.84				

380. S.M. Prewit. NW¼NE¼ sec. 206, blk. 13, H. & G. N. R. R. survey, 10.5 miles south of Pecos, on north side of Toyah Creek. Unused dug well, diameter 48 inches, depth 20 feet. Measuring point, top of brick on south side of well curb, 1.0 foot above land surface.

Water level, in feet below measuring point, 1933, 1940-42

Aug. 7, 1933	11.50	Feb. 14, 1941	12.03	Aug. 29, 1942	13.02
Jan. 13, 1940	14.28	Mar. 3, 1942	10.02	Dec. 30	12.42
Nov. 22	12.85				

381. S.M. Prewit. SW¼SW¼ sec. 256, blk. 13, H. & G. N. R. R. survey, 10.25 miles south of Pecos, on north side of Toyah Creek. Used dug and drilled stock well, formerly an irrigation well, diameter 7 inches, depth 125 feet. Measuring point, top of steel coupling on casing, 2.0 feet above land surface.

Water level, in feet below measuring point, 1933, 1940-42

Aug. 7, 1933	15.00	Feb. 14, 1941	11.42	Aug. 29, 1942	13.72
Jan. 13, 1940	15.47	May 16	11.18	Dec. 30	10.79
Nov. 22	12.72	Mar. 3, 1942	9.11		

383 (*939, p. 151). Elmer Wadley. 6.75 miles south of Pecos, on west side of State Highway 17. Water levels, in feet below measuring point, 1942: Mar. 2, 18.73; Aug. 20, 24.60; Dec. 30, 24.64.

387 (*939, p. 151). Tatum Eisenwine. 4 miles south of Pecos.

Highest daily water level, in feet below measuring point, 1942
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.16	Feb. 26	6.03	May 16	6.34	July 27	7.26
2	6.27	27	6.05	17	6.36	28	7.27
3	6.30	28	6.00	18	6.42	29	7.28
16	6.10	Mar. 1	6.05	19	6.43	30	7.29
17	6.06	2	6.08	20	6.42	31	7.31
18	6.10	3	6.04	21	6.41	Aug. 1	7.32
19	6.12	4	6.04	22	6.42	2	7.35
20	6.12	5	6.04	23	6.45	3	7.38
21	6.11	6	5.97	24	6.42	4	7.37
22	6.09	7	5.98	25	6.42	7	7.41
23	6.08	8	6.08	26	6.42	8	7.43
24	6.04	9	6.03	27	6.45	9	7.45
25	6.01	10	6.00	28	6.42	10	7.45
26	6.02	21	6.10	29	6.42	11	7.47
27	6.04	22	6.06	30	6.44	12	7.48
28	6.00	23	6.03	June 2	6.50	13	7.47
29	5.98	24	6.00	3	6.52	14	7.51
30	6.02	25	6.03	4	6.55	20	7.56
31	6.05	26	6.07	5	6.55	21	7.55
Feb. 2	6.02	27	6.11	6	6.54	22	7.57
3	6.02	28	6.09	7	6.54	23	7.60
4	5.99	Apr. 6	6.11	8	6.55	24	7.59
5	5.99	7	6.11	9	6.53	25	7.86
6	6.02	8	6.17	July 21	7.17	26	7.55
7	6.00	9	6.16	22	7.20	27	7.55
8	5.96	10	6.15	23	7.20	28	7.55
9	6.02	11	6.12	24	7.19	29	(a)
23	6.00	12	6.14	25	7.22	Sept.30	7.23
24	6.06	13	6.15	26	7.23	Dec. 30	6.20
25	5.99	14	6.16				

394 (*939, p. 152). Frank Joplin. 2.75 miles southeast of Pecos.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level
Mar. 3	4.48	May 22	4.44	Aug. 20	4.54
28	4.54	June 4	4.36	Dec. 30	5.14

396 (*939, p. 152). No measurements made in 1942.

406 (*939, p. 153). S. M. Prewit. 7.75 miles south of Pecos. Water levels, in feet below measuring point, 1942: Mar. 3, 27.07; May 14, 27.21; Sept. 16, 27.88; Dec. 30, 28.08.

418a (*939, p. 153). No measurements made in 1942.

427 (*939, p. 153). H. F. Anthony. 14 miles southeast of Pecos. Water levels, in feet below measuring point, 1942: Feb. 14, 66.70; Mar. 28, 66.16.

449 (*939, p. 153). No measurements made in 1942.

455 (*939, p. 153). Eddins Estate. 18.25 miles southeast of Pecos. Water levels, in feet below measuring point, 1942: Mar. 28, 106.97; Aug. 29, 106.90.

456 (*939, p. 153). Port Daggett. 14.75 miles southeast of Pecos. Water level, in feet below measuring point, 1942: Mar. 28, 61.11.

493a (*939, p. 153). R. P. Verhalen. 9 miles northwest of Saragosa. Water levels, in feet below measuring point, 1942: Mar. 2, 19.11; Aug. 24, 19.64; Dec. 30, 19.30.

a Recorder removed Aug. 28, 1942.

519 (*939, p. 154). J.R. Wilson. 24 miles southeast of Pecos. Water levels, in feet below measuring point, 1942: Mar. 28, 75.28; Aug. 29, 75.26.

540 (*939, p. 154). No measurements made in 1942.

543 (*939, p. 154). No measurements made in 1942.

San Patricio County

58 (*909, p. 193; 939, p. 155). J.D. Mills. In north half of lot 3, blk. 105, McCampbell subdivision, in Aransas Pass, 2.5 miles west of center of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 23, 17.61; June 27, pumping.

68 (*909, p. 193; 939, p. 155). F.N. Edwards. In lot 9, blk. 86, McCampbell subdivision, 0.5 mile east-southeast of Ingleside, 4 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 21, 18.43.

69 (*909, p. 193; 939, p. 155). O.V. Coopender. In north half of lot 16, blk. 85, McCampbell subdivision, 4 miles west of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 20, 32.17; June 26, 30.92.

80 (*909, p. 193; 939, p. 155). Lewis Caldwell. In south half of lot 1, McCampbell subdivision, in western part of Ingleside, 3.25 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 20, 17.12; June 26, 17.19.

85 (*909, p. 193; 939, p. 155). W.H. Bryan. In center of lot 9, block 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 21, 19.41; June 26, 19.29.

86 (*909, p. 193; 939, p. 155). T.H. Bennight. In west corner of lot 12, blk. 82, McCampbell subdivision, 3.25 miles west of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 21, 19.63; June 27, 17.57.

107 (*909, p. 193; 939, p. 155). L.S. Lane. Center lot 14, blk. 1, McCampbell subdivision, 2.5 miles northwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 21, 8.08; June 26, 8.30.

119 (*909, p. 193; 939, p. 155). R.E. Farley. Center of lot 16, blk. 5, McCampbell subdivision, 2.5 miles northwest of Aransas Pass. Water level, in feet below measuring point, 1942: Jan. 23, 11.21.

129 (*909, p. 193; 939, p. 155). B.A. Linderman. Center of lot 7, blk. 353, McCampbell subdivision, 0.5 mile northwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 20, 12.34; June 26, 13.24.

140 (*909, p. 193; 939, p. 155). Bruce Hannah. NW. corner lot 11, blk. E, Burton and Danforth subdivision, 3 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 20, 21.09; June 27, 21.27.

144 (*909, p. 193; 939, p. 155). Fred McMullen. In lot 16, blk. F, McCampbell subdivision, 3.25 miles southwest of Aransas Pass. Water levels, in feet below measuring point, 1942: Jan. 20, 22.34; June 27, 22.20.

Swisher County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

2 (*840, p. 491; 845, p. 539; 886, p. 749; 909, p. 196; 939, p. 156). I. Irlbeck. NW¼SW¼ sec. 63, blk. M8, 3 miles south of Happy. Water levels, in feet below measuring point, 1942: Feb. 18, 78.45; July 27, 78.33; Nov. 5, 78.33.

3a (*845, p. 539; 886, p. 749; 909, p. 196; 939, p. 156). W.E. Williamson. NW¼NW¼ sec. 111, blk. M8, 1 mile east of Happy, 14 miles north of Tulia. Water levels, in feet below measuring point, 1942: Feb. 18, 100.17; July 27, 100.00; Nov. 5, 100.07.

13 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196). Measurements discontinued.

16 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156). C.M. Brant. SW¼SE¼ sec. 117, blk. M8, 8 miles south of Happy. Water levels, in feet below measuring point, 1942: Feb. 18, 61.30; July 27, 61.32; Nov. 5, 61.65.

18 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156). H.C. George. NE. corner of NE¼ sec. 84, blk. M8, 6.5 miles south of Happy, 0.8 mile northwest of Kaffir. Water levels, in feet below measuring point, 1942: Feb. 18, 76.85; July 27, 77.55.

36 (*909, p. 196; 939, p. 156). Foster Klous (erroneously spelled Clouse in previous reports). NW¼SE¼ sec. 2, blk: W1, 4.5 miles northwest of Tulia. Water levels, in feet below measuring point, 1942: Feb. 26, 58.34; Nov. 5, 57.70.

38 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196). J.B.Johnson. SE¼SE¼ sec. 3, blk. W1, 3 miles northwest of Tulia. Water levels, in feet below measuring point, 1942: Feb. 26, pumping; Nov. 5, 55.40.

49 (*840, p. 491; 845, p. 540; 886, p. 749; 909, p. 196). No measurements made in 1942.

50 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p.156). No measurements made in 1942.

254 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156). Charles Inman. NE¼SE¼ sec. 2, blk. B6, 8 miles east of Kress. Water level, in feet below measuring point, 1942: Feb. 26, 39.77.

255 (*840, p. 492; 845, p. 540; 909, p. 196; 939, p. 156). Charles Inman. NW. corner NE¼ sec. 2, blk. B6, 7.5 miles east of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 44.94; Nov.7, 45.85.

258 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p. 156). B.A. Dubbert, formerly reported as owned by A.G. Hinn. NW¼SE¼ sec. 25, blk. M14, 8 miles east of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 54.62; Nov. 7, pumping.

301 (*840, p. 492; 845, p. 540; 886, p. 749; 909, p. 196; 939, p.156). W.T. Adams. NE. corner NE¼ sec. 10, blk. W1, 1 mile southwest of Tulia, 600 feet south of U.S. Highway 87 underpass. Water levels, in feet below measuring point, 1942: Feb. 26, 30.40; Nov. 6, 30.97.

302 (*840, p. 492; 886, p. 749; 909, p. 196; 939, p. 156). J.D. Vaughn. S½SW¼ sec. 23, blk. W1, 1.5 miles southwest of Tulia. Water level, in feet below measuring point, 1942: Nov. 5, 68.31.

305 (*840, p. 493; 845, p. 541; 886, p. 749; 909, p. 196; 939, p. 156). J.L. Cantrell. NW. corner NE¼ sec. 25, blk. W1, 1.75 miles southeast of Tulia. Water levels, in feet below measuring point, 1942: Feb. 26, pumping; Nov. 6, 37.80.

323 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 196; 939, p. 156). J.L. Guest. NW¼NE¼ sec. 24, blk. M13, 6.5 miles south of Tulia. Water levels, in feet below measuring point, 1942: Feb. 26, pumping; Nov. 6, 67.75.

332 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157). W.F. Kerr. NW¼NW¼ sec. 28, blk. M13, 4 miles north of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 68.32; Nov. 6, 65.15.

337 (*840, p. 493; 845, p. 541; 886, p. 750). J.R. Barnhart. SE¼NE¼ sec. 27, blk. M13, 4 miles north of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, pumping; Nov. 6, pumping.

352 (*840, p. 493; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157). John Elliott. NW¼NE¼ sec. 52, blk. M13, 240 feet north and 185 feet east from Santa Fe Railway depot at Kress. Water levels, in feet below measuring point, 1942: Feb. 27, 61.12; Nov. 6, 61.65.

354 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157). V.A. Beck. NW¼SW¼ sec. 52, blk. M13, at west edge of Kress. Water level, in feet below measuring point, 1942: Feb. 27, 62.60.

359 (*886, p. 750; 909, p. 197; 939, p. 157). E.E. Formway. NW¼NW¼ sec. 57, blk. M13, 2.75 miles west of Kress. Water levels, in feet below measuring point, 1942: Feb. 27, 77.72; Nov. 7, 78.72.

362 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p.157). G.T. Hughes. SW¼SW¼ sec. 64, blk. M13, 3.5 miles southwest of Kress. Water levels, in feet below measuring point, 1942: Feb. 27, 69.22; Nov. 7, 68.76.

368 (*840, p. 494; 845, p. 540; 886, p. 750; 909, p. 197; 939, p. 157) Texas Land & Development Co. About 0.3 mile west of SE. corner sec. 62, blk. M13, on R.F. Hudgins survey, 2.75 miles south of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 77.90; Nov. 7, 78.66.

369 (*840, p. 494; 845, p. 541; 909, p. 197). Measurements discontinued.

370 (*840, p. 494; 845, p. 541; 886, p. 750; 909, p. 197; 939, p. 157). Texas Land & Development Co. About 0.33 mile east of SE. corner sec. 62, blk. M13, on R.F. Hudgins survey, 2.7 miles south of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 75.82; Nov. 7, 77.19.

371 (*840, p. 494; 845, p. 542). Measurements discontinued.

380 (*840, p. 494; 845, p. 542; 886, p. 750; 909, p. 197; 939, p.157). No measurements made in 1942.

383 (*840, p. 495; 845, p. 542; 886, p. 750; 909, p. 197; 939, p. 157) Texas Land & Development Co. NW¼NW¼ sec. 54, blk. M14, 4.5 miles southeast of Kress. Water levels, in feet below measuring point, 1942: Feb. 26, 75.02; Nov. 7, 75.67.

385 (*909, p. 197; 939, p. 157). Measurements discontinued.

421. A.U. Perryman. NW¼NW¼ sec. 9, blk. K3, 19.5 miles southwest of Tulia. Drilled irrigation well, diameter 20 inches, depth 230 feet. Measuring point, top of concrete curb, 0.8 foot above land surface. Water level, in feet below measuring point, 1942: Nov. 16, 60.85.

427 (*840, p. 495; 845, p. 542; 886, p. 750; 909, p. 197; 939, p.157). No measurements made in 1942.

429 (*886, p. 751; 909, p. 197; 939, p. 157). Clifton Reed. NW. corner strip sec. 66, J.A. Ward survey, 5.5 miles west of Kress. Water levels, in feet below measuring point, 1942: Feb. 27, 95.87; Nov. 7, 96.54

Terry County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

2 (*840, p. 495; 845, p. 542; 886, p. 751; 909, p. 197). No measurements made in 1942.

7a (*909, p. 198; 939, p. 157). L.Hulse. NW¼SW¼ sec. 143, blk. T, D. & W. R. R. Co. survey, 0.7 mile east and 0.8 mile south from Lahey post office. Water level, in feet below measuring point, 1942: July 30, 93.35.

14 (*840, p. 496; 845, p. 542; 886, p. 751; 909, p. 198). No measurements made in 1942.

16 (*840, p. 496; 845, p. 542; 886, p. 751; 909, p. 198; 939, p. 157). Challis Public School. SE¼SE¼ sec. 64, blk. 4X, 5.35 miles southwest of railroad depot at Meadow. Water level, in feet below measuring point, 1942: July 30, 92.16.

17a (*845, p. 542; 886, p. 751; 909, p. 198). No measurements made in 1942.

21a (*909, p. 198; 939, p. 158). Owner unknown. NW¼NW¼NW¼ sec. 18, blk. 4X, about 0.4 mile west of U.S. Highway 62, 1 mile north of Meadow. Water level, in feet below measuring point, 1942: July 30, 64.60.

Travis County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

256. Mr. Robinson. 11.75 miles north of State Capitol, in Austin. Unused drilled domestic and stock well, diameter 6 inches, depth 93 feet. Measuring point, top of 3/8-inch hole in pump base, 0.7 foot above land surface.

Water level, in feet below measuring point, 1939, 1941-42

Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1939	86.49	Nov. 21, 1941	79.67	Aug. 11, 1942	82.16
July 24, 1941	73.62	Apr. 13, 1942	80.68	Dec. 9	77.38

261 (*939, p. 158). H.C. Warren. 13 miles north of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 223.67; Aug. 11, 225.06; Oct. 28, 220.05; Dec. 9, 220.01.

266 (*939, p. 158). J.D. Dillingham. 11.75 miles north of State Capitol, 1.9 miles east of McNeil. Water levels, in feet below measuring point, 1942: Apr. 13, 232.84; Aug. 11, 238.11; Oct. 27, 191.18; Dec. 10, 185.66.

267. Dave Dillingham. 11.75 miles north of State Capitol. Used drilled stock well, diameter 5 inches, depth 276 feet. Measuring point, top of iron plate, 0.3 foot above land surface. Equipped with windmill and gasoline engine.

Water level, in feet below measuring point, 1941-42

July 9, 1941	79.16	Aug. 11, 1942	113.99	Dec. 9, 1942	110.57
Apr. 13, 1942	114.51	Oct. 29	111.56		

280. Travis County. 9.5 miles north of State Capitol. Seldom-used domestic dug well, diameter 28 inches, depth 20 feet. Measuring point, top of rock curb, 2.0 feet above land surface. Equipped with rope and bucket.

Water level, in feet below measuring point, 1939-42

Nov. 14, 1939	14.42	Nov. 21, 1941	15.72	Dec. 9, 1942	9.86
June 7, 1940	11.48	Apr. 13, 1942	12.89		
Oct. 10	14.42	Aug. 11	16.47		

283 (*939, p. 158). E.H. Gault. 9 miles north of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 186.61; Aug. 11, 190.72; Oct. 27, 101.50; Dec. 9, 136.47.

284 (*939, p. 158). Robinson Bros. 8.5 miles north of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 183.12; Aug. 11, 200.44; Oct. 27, 141.82; Dec. 9, 176.24.

314. Mr. Stark. 8.75 miles northeast of State Capitol. Unused drilled domestic and stock well, diameter 6 inches, depth over 300 feet. Measuring point, top of casing, 0.04 foot above land surface.

Water level, in feet below measuring point, 1940-42

June 5, 1940	103.06	Apr. 13, 1942	91.85	Oct. 27, 1942	65.38
July 24, 1941	19.28	Aug. 12	99.91	Dec. 9	53.27
Nov. 20	44.74				

318. R.R. Sansom. 7.5 miles northeast of State Capitol. Unused drilled domestic and stock well, diameter 6 inches, depth 700-800 feet. Measuring point, top of 9½-inch bell-top casing, 0.4 foot above land surface.

Water level, in feet below measuring point, 1940-42

June 4, 1940	153.16	Apr. 13, 1942	135.37	Oct. 26, 1942	137.57
July 24, 1941	89.56	Aug. 12	146.72	Dec. 9	120.83
Nov. 20	100.69				

322 (*939, p. 158). John Teagle. 5.5 miles northeast of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 164.92; Aug. 12, 175.63; Oct. 26, 158.15; Dec. 9, 143.64.

323 (*939, p. 158). Fred Parsons. 5.75 miles northeast of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 117.37; Aug. 11, 118.18; Oct. 26, 94.43; Dec. 9, 94.47.

327 (*939, p. 158). Walling Estate. 4.5 miles northeast of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 13, 167.14; Aug. 12, 177.59; Oct. 27, 165.79; Dec. 9, 151.27.

328 (*939, p. 158). Walling Estate. About 100 feet south of well 327. Water levels, in feet below measuring point, 1942: Apr. 13, 16.21; Aug. 12, 35.17; Dec. 9, 21.39.

331. J.C. Campbell, Jr. 3.75 miles northeast of State Capitol. Unused drilled domestic and stock well, diameter 10 inches, depth 183 feet. Measuring point, top of concrete block, 1.0 foot above land surface.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Oct. 17, 1940	136.86	Nov. 20, 1941	68.30	Aug. 11, 1942	117.95
July 24, 1941	19.55	Apr. 13, 1942	10.36	Dec. 9	89.50

343. Travis County Water District 2. 4.75 miles northeast of State Capitol. Drilled public supply well, unused since August 1942, diameter 10-3/4 inches, depth 458 feet. Measuring point, top of 1-inch nipple in inner pump base, 0.7 foot above land surface. Equipped with deep-well turbine pump.

Water level, in feet below measuring point, 1940-42

Oct. 9, 1940	196	Apr. 13, 1942	165.74	Oct. 26, 1942	140.45
July 25, 1941	98.56	Aug. 11	174.32	Dec. 9	130.10
Nov. 20	123.25				

392. Tom Williams. 7.5 miles north of State Capitol. Used drilled domestic and stock well. Diameter 6 inches, depth 49 feet. Measuring point, top of casing, 2.0 feet above land surface. Equipped with rope and bucket.

Water level, in feet below measuring point, 1940-42

June 13, 1940	18.01	Apr. 13, 1942	15.26	Dec. 10, 1942	12.57
Nov. 24, 1941	14.31	Aug. 13	16.39		

400. Mrs. S.D. Williams. 8.5 miles north of State Capitol. Used drilled domestic well, diameter 6 inches, depth 53 feet. Measuring point, top of casing, 0.9 foot above land surface. Equipped with rope and bucket.

Water level, in feet below measuring point, 1939, 1941-42

Nov. 15, 1939	36.96	Nov. 22, 1941	35.32	Aug. 13, 1942	37.31
July 25, 1941	34.80	Apr. 14, 1942	35.49	Dec. 10	35.81

414. J.R. McElroy. 10.75 miles north of State Capitol. Used drilled domestic and stock well, diameter 6 inches, depth about 85 feet. Measuring point, top of casing, 1.3 feet above land surface. Equipped with gasoline engine and pump jack.

Water level, in feet below measuring point, 1940-42

June 10, 1940	41.06	Nov. 24, 1941	40.26	Aug. 13, 1942	40.63
July 25, 1941	38.21	Apr. 14, 1942	40.41	Dec. 10	40.28

460. Rosa Dellanna. 2 miles southwest of State Capitol. Used drilled domestic and stock well, diameter 6 inches, depth 135 feet. Measuring point, top of steel plate, 0.7 foot above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1941-42

July 28, 1941	75.08	Apr. 2, 1942	81.66	Dec. 4, 1942	81.67
Nov. 20	78.13	Aug. 10	82.68		

483. S.N. Allred. 5 miles southwest of State Capitol. Used drilled domestic and stock well, diameter 5 inches, depth about 265 feet. Measuring point, top of 4- by 4-inch wooden pipe clamp, 2.0 feet above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1939, 1941-42

Sept. 6, 1939	247.87	Nov. 20, 1941	231.34	Aug. 10, 1942	240.74
July 28, 1941	206.59	Apr. 11, 1942	240.59	Dec. 5	231.13

502 (*840, p. 496; 845, p. 543; 886, p. 751; 909, p. 198; 939, p. 158). H.S. Lawson heirs. 6.5 miles south of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 11, 8.28; Aug. 8, 12.53; Dec. 8, 8.99.

504 (*840, p. 496; 845, p. 543; 886, p. 751; 909, p. 198; 939, p. 159). R.B. Gault. 10.4 miles south of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 11, 23.14; Aug. 8, 23.12; Dec. 8, 23.15.

508 (*840, p. 497; 845, p. 543; 886, p. 751; *909, p. 199; 939, p.159). Barge Renoe. 8.3 miles southwest of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 11, 231.60; Aug. 2, 232.42; Dec. 5, 232.10.

509 (*840, p. 497; 845, p. 543; 886, p. 751; 909, p. 199; 939, p.159). Erlene Patton. 9.4 miles west of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 2, 42.74; Aug. 3, 40.85; Dec. 5, 38.98.

516 (*840, p. 497; 845, p. 543; 886, p. 752; 909, p. 199). No measurements made in 1942.

519 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199). No measurements made in 1942.

527 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159). Sarah Moore. About 100 yards south of Cedar Valley post office. Water levels, in feet below measuring point, 1942: Apr. 2, 24.37; Aug. 3, 18.81; Dec. 5, 8.76.

616 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159). J.R. Moore. 14.6 miles west of State Capitol. Water levels, in feet below measuring point, 1942: Apr. 2, 141.10; Aug. 3, 154.90; Dec. 5, 144.14.

618 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p. 159). Homer Heep. About 50 feet east of U.S. Highway 81, 1 mile north of Travis-Hays county line. Water levels, in feet below measuring point, 1942: Apr. 10, 21.89; Aug. 8, 26.00; Dec. 4, 16.14.

621 (*840, p. 497; 845, p. 544; 886, p. 752; 909, p. 199; 939, p.159). No measurements made in 1942.

668. Mr. McAlmeyer. 6.5 miles southwest of State Capitol, at Austin. Used drilled domestic and stock well, diameter 4 inches, depth 283 feet. Measuring point, top of casing, 1.2 feet above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1941-42

Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1941	245.67	Nov. 20, 1941	236.60	Aug. 10, 1942	244.12
July 28	234.10	Apr. 2, 1942	241.51	Dec. 5	244.72

687. Mrs. Elizabeth Gentsch. 5 miles southwest of State Capitol, at Austin. Used drilled domestic and stock well, diameter 4 inches, depth 290 feet. Measuring point, top of steel plate, 0.6 foot above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1939, 1941-42

Sept. 5, 1939	221.69	Apr. 2, 1942	216.46	Dec. 4, 1942	200.24
July 28, 1941	142.85	Aug. 10	217.02		

856. B.R. Payton. 6.5 miles northwest of Manor. Unused drilled well, diameter 6 inches, depth 1,456 feet, cased to 573 feet. Measuring point, top of 2-inch gate valve, 2.1 feet above land surface.

Water level, in feet below measuring point, 1941-42

July 24, 1941	23.28	Apr. 13, 1942	68.10	Oct. 27, 1942	67.87
Nov. 11	32.98	Aug. 12	75.15	Dec. 9	53.20

860. Mrs. B. Hamann. 6.5 miles northwest of Manor. Used drilled stock well, diameter 6 inches, depth 735 feet. Measuring point, top of wooden pipe clamp, 0.7 foot above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1938, 1941-42

July 6, 1938	118.24	Nov. 20, 1941	96.17	Oct. 28, 1942	98.66
24, 1941	66.41	Apr. 13, 1942	134.09	Dec. 9	112.30

384. H.A. Townsley. 7.5 miles northwest of Creedmoor. Used drilled domestic and stock well, diameter 6 inches, depth 390 feet. Measuring point, top of 1-inch hole in pump base, 1.4 feet above land surface. Equipped with electric motor and pump jack.

Water level, in feet below measuring point, 1941-42

Feb. 17, 1941	189.80	Nov. 17, 1941	184.13	Aug. 10, 1942	203.61
July 28	134.16	Apr. 11, 1942	195.43	Dec. 4	191.12

885. F. B. Polk. 7.25 miles northwest of Creedmoor. Used drilled domestic and stock well, diameter 4½ inches, depth 244 feet. Measuring point, top of iron pipe support, 1.2 feet above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1939, 1941-42

Date	Water level	Date	Water level	Date	Water level
Sept. 6, 1939	130.02	Nov. 17, 1941	144.85	Aug. 10, 1942	168.85
Feb. 17, 1941	130.26	Apr. 11, 1942	154.63	Dec. 4	141.36
July 30	95.92				

889. D.T. Cunningham. 6.25 miles northwest of Creedmoor. Used drilled domestic and stock well, diameter 6 inches, depth 270 feet. Measuring point, top of concrete block, 1.0 foot above land surface. Equipped with gasoline-engine-driven pump jack.

Water level, in feet below measuring point, 1938, 1941-42

Jan. 10, 1938	142.59	July 28, 1941	87.58	Aug. 10, 1942	141.20
Feb. 17, 1941	119.44	Nov. 17	112.60	Dec. 4	118.70

890. Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Seldom used dug stock well, diameter 60 inches, depth 57 feet. Measuring point, top of rock curb, 3.0 feet above land surface. Equipped with rope and bucket.

Water level, in feet below measuring point, 1937-38,1941-42

Aug. 25, 1937	17.46	Nov. 17, 1941	14.99	Aug. 10, 1942	17.16
Jan. 9, 1938	17.33	Apr. 11, 1942	16.43	Dec. 4	14.26
Feb. 7, 1941	13.17				

892. Russell C. Faulkner. 5.75 miles northwest of Creedmoor. Used drilled domestic and stock well, diameter 5 inches, depth 277 feet. Measuring point, top of iron-pipe clamp, 0.8 foot above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1941-42

Feb. 17, 1941	85.77	Nov. 18, 1941	75.47	Dec. 4, 1942	73.87
July 30	55.86	Apr. 11, 1942	99.76		

895. Joe C. Carrington. 5 miles northwest of Creedmoor. Unused drilled stock well, diameter 4 inches, depth about 300 feet. Measuring point, top of steel plate, 0.3 foot above land surface.

Water level, in feet below measuring point, 1941-42

July 29, 1941	22.14	Apr. 11, 1942	60.44	Dec. 4, 1942	46.30
Nov. 17	34.62	Aug. 8	58.30		

982. John L. Durrozet Estate. 4.25 miles northwest of Creedmoor. Unused drilled well, diameter 6 inches, depth 341 feet. Measuring point, top of casing, 0.5 foot above land surface.

Water level, in feet below measuring point, 1939, 1941-42

June 27, 1939	149.01	Nov. 18, 1941	111.74	Aug. 8, 1942	133.63
July 28, 1941	99.78	Apr. 11, 1942	137.17	Dec. 4	118.74

Uvalde County

Well numbers correspond to those in Water-Supply Papers 678, 840, 845, 886, 909, and 939.

H-2-4 (*678, p. 102,128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 199; 939, p. 159). J.H. Desmuke. 13.7 miles north of Uvalde. Water levels, in feet below measuring point, 1942: Aug. 6, 131.14; Dec. 2,126.82.

H-2-5 (*678, pp. 102,128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159). Mrs. W.E. Fitzgerald. 18 miles north of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 57.57; Aug. 6, 61.90; Dec. 2, 53.91.

H-2-8 (*678, pp. 102,128; 840, p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159). Measurements discontinued.

H-4-6 (*678, pp.104,128; 840,p. 498; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 159). Briscoe, Fenley & Spangler. 4.6 miles west-northwest of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 66.08; Aug. 6, 68.55; Dec. 2, 65.09.

H-4-28 (*678, pp.104,129; 840, p. 499; 845, p. 545; 886, p. 753; 909, p. 200; 939, p. 160). J.R. Ingraham. 7.5 miles west of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 7, 20.90; Aug. 5, 22.40; Dec. 2, 15.32.

H-4-34 (*909, p. 200; 939, p. 160). John Rosenow. 13.5 miles northwest of Uvalde. Water levels, in feet below measuring point, 1942: Aug. 5, 179.82; Dec. 2, 160.31.

H-4-35 (*909, p. 200; 939, p. 160). John Rosenow. 16 miles northwest of Uvalde. Water level, in feet below measuring point, 1942: Dec. 2, 63.27.

H-5-1. City of Uvalde. At Uvalde waterworks. Recorder installed Oct. 24, 1940.

Daily noon water level, in feet below measuring point, 1940
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25	35.61	Nov. 4	35.80	Nov. 14	35.96	Nov. 24	36.12
26	35.64	5	35.82	15	35.97	25	36.16
27	35.65	6	35.84	16	35.99	26	36.18
28	35.68	7	35.85	17	36.00	27	36.21
29	35.72	8	35.86	18	36.02	28	36.25
30	35.74	9	35.87	19	36.04	29	36.25
31	35.74	10	35.87	20	36.05	30	36.26
Nov. 1	35.75	11	35.89	21	36.07	Dec. 1	36.28
2	35.77	12	35.90	22	36.09	2	36.32
3	35.79	13	35.93	23	36.10		

Daily noon water level, in feet below measuring point, 1941
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	37.08	.....	36.66	35.55	32.96	31.62	31.07	30.91	30.58	30.30	29.49
2	.....	37.05	.....	36.65	35.49	32.92	31.60	31.07	30.90	30.56	30.26	29.47
3	.....	37.06	.....	36.63	35.22	32.84	31.58	31.05	30.92	30.55	30.23	29.45
4	.....	37.07	.....	36.63	34.98	32.78	31.54	31.05	30.92	30.53	30.20	29.41
5	.....	37.06	.....	36.60	34.91	32.71	31.51	31.04	30.93	30.54	30.17	29.42
6	.....	37.05	.....	36.56	34.86	32.64	31.47	31.03	30.94	30.55	30.15	29.44
7	.....	37.05	.....	36.55	34.80	32.60	31.50	31.00	30.90	30.55	30.14	29.38
8	.....	37.05	.....	36.54	34.74	32.54	.....	31.00	30.91	30.55	30.10	29.39
9	.....	37.05	.....	36.53	34.68	32.50	.....	30.97	30.90	30.55	30.05	29.35
10	.....	37.04	.....	36.50	34.63	32.45	.....	30.95	30.87	30.57	30.02	29.34
11	.....	37.05	.....	36.49	34.55	32.41	.....	30.96	30.85	30.55	30.01	29.31
12	.....	37.03	.....	36.47	34.47	32.39	.....	30.95	30.82	30.53	29.97	29.30
13	.....	37.04	.....	36.44	34.39	32.35	.....	30.96	30.80	30.52	29.94	29.30
14	.....	37.06	.....	36.42	34.33	32.32	.....	30.95	30.79	30.52	29.90	29.29
15	.....	37.06	.....	36.40	34.26	32.25	.....	30.96	30.78	30.53	29.87	29.26
16	.....	.....	.....	36.37	34.19	32.16	.....	30.96	30.78	30.53	29.84	29.26
17	.....	.....	.....	36.34	34.13	32.11	.....	30.93	30.75	30.51	29.80	29.24
18	.....	.....	.....	36.31	34.03	32.07	.....	30.95	30.75	30.51	29.77	29.24
19	.....	.....	.....	36.28	33.88	32.03	.....	30.96	30.71	30.51	29.75	29.24
20	.....	.....	.....	36.27	33.83	32.00	.....	30.96	30.68	30.51	29.74	29.23
21	.....	.....	.....	36.28	33.78	31.94	.....	30.95	30.66	30.51	29.70	29.20
22	.....	.....	.....	36.24	33.70	31.90	.....	30.96	30.65	30.51	29.65	29.16
23	37.00	.....	.....	36.22	33.64	31.86	.....	30.95	30.63	30.52	29.67	29.20
24	37.03	.....	.....	36.21	33.52	31.85	.....	30.90	30.62	30.51	29.68	29.16
25	37.04	.....	36.79	36.20	33.42	31.78	.....	30.92	30.63	30.50	29.65	29.17
26	37.05	.....	36.77	36.15	33.35	31.74	.....	30.93	30.65	30.46	29.62	29.20
27	37.07	.....	36.76	36.03	33.28	31.71	.....	30.94	30.62	30.47	29.60	29.20
28	37.09	.....	36.75	35.79	33.26	31.69	.....	30.90	30.61	30.46	29.57	29.20
29	37.10	.....	36.73	35.64	33.16	31.65	.....	30.91	30.60	30.42	29.55	29.19
30	37.11	.....	36.70	35.79	33.10	31.64	.....	30.90	30.60	30.35	29.53	29.16
31	37.11	.....	36.69	.....	33.02	.....	31.09	30.90	.....	30.35	.....	29.15

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.13	29.16	29.33	29.92	30.38	.....	31.63	32.18	32.93	32.15	31.46	30.79
2	29.12	29.15	29.36	29.94	30.40	.....	31.63	32.18	32.93	32.12	31.43	30.78
3	29.11	29.16	29.35	29.95	30.42	.....	31.64	32.23	32.93	32.11	31.43	30.75
4	29.13	29.15	29.37	29.96	30.45	.....	31.65	32.27	32.93	32.08	31.38	30.75

H-5-1. City of Uvalde--Continued.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.15	29.14	29.40	29.95	30.48	.....	31.59	32.31	32.98	32.04	31.36	30.73
6	29.14	29.18	29.38	29.96	30.53	.....	31.55	32.34	32.90	32.02	31.34	30.71
7	29.13	29.18	29.42	29.92	30.54	.....	31.48	32.36	32.88	32.00	31.32	30.70
8	29.12	29.17	29.45	29.94	30.55	.....	31.49	32.40	32.79	32.00	31.28	30.69
9	29.12	29.19	29.47	29.97	30.58	.....	31.50	32.42	32.76	31.98	31.25	30.68
10	29.15	29.21	29.47	30.02	30.60	.....	31.52	32.46	32.73	31.95	31.26	30.65
11	29.14	29.20	29.50	30.03	30.62	.....	31.55	32.50	32.71	31.92	31.25	30.65
12	29.14	29.20	29.51	30.02	30.62	.....	31.57	32.54	32.68	31.90	31.22	.....
13	29.12	29.21	29.55	30.05	30.65	.....	31.60	32.57	32.65	31.88	31.18	.....
14	29.13	29.18	29.55	30.08	30.68	.....	31.63	32.60	32.62	31.87	31.16	.....
15	29.14	29.15	29.53	30.10	30.73	.....	.....	32.63	32.59	31.85	31.12	.....
16	29.12	29.17	29.50	30.13	30.76	.....	.....	32.62	32.56	31.83	31.09	.....
17	29.10	29.21	29.63	30.14	30.75	31.28	.....	32.63	32.52	31.82	31.08	.....
18	29.10	29.26	29.65	30.13	30.78	31.30	.....	32.63	32.49	31.79	31.06	.....
19	29.13	29.25	29.64	30.14	30.77	31.33	31.75	32.65	32.47	31.78	31.03	.....
20	29.15	29.27	29.68	30.17	.....	31.35	31.80	32.66	32.45	31.76	31.00	.....
21	29.14	29.25	29.72	30.21	.....	31.35	31.84	32.71	32.41	31.74	30.98	.....
22	29.14	29.21	29.71	30.22	.....	31.40	31.85	32.72	32.38	31.70	30.97	.....
23	29.14	29.25	29.72	30.18	.....	31.43	31.87	32.75	32.35	31.69	30.94	.....
24	29.14	29.28	29.72	30.21	.....	31.43	31.92	32.80	32.33	31.68	30.91	.....
25	29.13	29.26	29.72	30.25	.....	31.47	31.96	32.85	31.28	30.64	30.88	.....
26	29.11	29.31	29.78	30.26	.....	31.50	31.96	32.88	32.25	31.63	30.90	.....
27	29.15	29.33	29.82	30.28	.....	31.52	32.01	32.92	32.23	31.58	30.88	.....
28	29.15	29.30	29.84	30.31	.....	31.51	32.06	32.97	32.22	31.55	30.84	.....
29	29.10	.....	29.84	39.33	.....	31.57	32.08	32.98	32.20	31.52	30.84	.....
30	29.13	.....	29.87	30.36	.....	31.61	32.12	32.94	32.17	31.52	30.80	.....
31	29.16	.....	29.89	.....	.....	.....	32.15	32.94	.....	31.51	.....	.....

H-5-22 (*678, pp.108,128; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160). Jack Dean. 2 miles north of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 57.45; Aug. 6, 59.94; Dec. 2, 58.19.

H-5-26(*678, pp. 108,130; 840, p. 499; 845, p. 546; 909, p. 201; 939, p. 160). George Kennedy. 7.2 miles north-northeast of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 155.41; Aug. 6, 158.99; Dec. 2, 157.10.

H-5-39 (*678, pp. 108,130; 840, p. 499; 845, p. 546; 886, p. 753; 909, 201; 939, p. 160). William Galloway. 2.5 miles east-northeast of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 75.82; Aug. 6, 78.58; Dec. 2, 77.28.

H-5-51 (*678, pp. 110,130; 840, p. 499; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160). O.T. Caldwell. 2.5 miles south-southeast of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 38.72; Aug. 6, 40.51; Dec. 2, 39.51.

H-6-1 (*678, pp. 112,131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160). Ashby and Chinn. 9.2 miles east-northeast of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 8, 89.44; Aug. 6, 92.76; Dec. 3, 93.09.

H-6-8 (*678, pp. 112,131; 840, p. 500; 845, p. 546; 886, p. 753; 909, p. 201; 939, p. 160). K.K. Woodley. 1.5 miles east of Knippa. Water levels, in feet below measuring point, 1942: Apr. 8, 70.90; Dec. 2, 71.71.

H-6-10 (*678, pp.112,131; 840, p. 500; 845, p. 546; 886, p. 754; 909, p. 202; 939, p. 160). Herbert Stevens. 3 miles west of Sabinal. Water levels, in feet below measuring point, 1942: Apr. 6, 70.42; Aug. 4, 67.75; Dec. 2, 66.55.

H-6-16 (*678, pp. 114,131; 840, p. 500; 845, p. 546; 909, p. 202; 939, 160). Illinois Pipe Line Co. 3 miles southeast of Knippa. Equipped with windmill since January 1942. Water level, in feet below measuring point, 1942: Apr. 8, 146.67.

XU-6 (*840, p. 500; 845, p. 546; 886, p. 754). No measurements made in 1942.

588859 O—44——12

XU-9 (*840, p. 501; 845, p. 546; 886, p. 754; 909, p. 202; 939, p.160). Frank Kirchgraber. 16.5 miles west of Uvalde. Water levels, in feet below measuring point, 1942: Apr. 7, 61.13; Aug. 5, 62.81; Dec. 2, 60.86.

XU-10 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 202; 939, p.160). Texas & New Orleans Railroad Co. At Kline. Water levels, in feet below measuring point, 1942: Apr. 7, 48.09; Aug. 5, 48.33; Dec. 2, 46.70.

Val Verde County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

XV-1 (*840, p. 501; 845, p. 457; 886, p. 754; 909, p. 202; 939, p.161). B.S. Harrison. 7.5 miles east of Del Rio. Water level, in feet below measuring point, 1942: Apr. 7, 40.00.

XV-2 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 202; 939, p. 161). Otto Koog. 2.8 miles east of Del Rio. Water levels, in feet below measuring point, 1942: Apr. 7, 77.49; Aug. 5, 79.19; Dec. 1, 72.38.

XV-3 (*840, p. 501; 845, p. 547; 886, p. 754; 909, p. 203; 939, p. 161). Patricio Confreras. 1.5 miles east of Del Rio. Water levels, in feet below measuring point, 1942: Apr. 7, 40.09; Aug. 5, 41.82; Dec. 1, 37.64.

Waller County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

117 (840, p. 502; 845, p. 547; 886, p. 755; 909, p. 203; 939, p. 161). Mrs. H.L. Milam. Near railroad station at Prairie View. Water levels, in feet below measuring point, 1942: Jan. 23, 7.98; May 5, 11.22; July 28, dry.

128 (*909, p. 203; 939, p. 161). H. & T. C. Railroad. At Prairie View railroad station. Water levels, in feet below measuring point, 1942: Jan. 23, 40.74; May 5, 40.67; July 28, 40.53.

152 (*840, p. 502; 845, p. 548; 886, p. 755; 909, p. 203; 939, p.161). Mr. Myers. 1.5 mile east of Prairie railroad station. Water levels, in feet below measuring point, 1942: Feb. 27, 2.33; May 5, 3.02; July 28, 4.88; Sept. 17, 8.68.

154 (*840, p. 502; 845, p. 548; 886, p. 755; 909, p. 203; 939, p. 161). W.D. Weaver. About 0.6 mile west of Waller. Water levels, in feet below measuring point, 1942: Jan. 23, 11.35; May 5, 10.73; July 28, 14.15; Sept. 17, 12.97.

223 (*909, p. 204; 939, p. 161). T.B. Tucker. 6.75 miles northwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 58.87; Mar. 18, 58.05; Oct. 21, 61.29.

235 (*909, p. 204; 939, p. 162). John Cope. 2 miles west of Katy. Water levels, in feet below measuring point, 1942: Jan. 15, 62.64; Mar.17, 61.78; Sept. 22, 61.68.

247 (*909, p. 204; 939, p. 162). T.B. Tucker. 6.5 miles northwest of Katy. Water levels, in feet below measuring point, 1942: Jan. 20, 60.12; Mar. 18, 59.35; Oct. 21, 63.45.

Ward County

Well numbers correspond to those in Water-Supply Paper 939.

1 (*939, p. 162). A.T. Knapp. 13 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 91.93; May 13, 91.96; Aug. 14, 92.23; Dec. 28, 92.31.

12 (*939, p. 162). Monroe Estate. 8.25 miles north of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 56.73; Aug. 14, 56.91; Dec. 28, 57.00.

16 (*939, p. 162). Monroe Estate. 7.75 miles north of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 46.57; Dec.28, 46.68.

133 (*939, p. 162). John McNeff. In town of Pyote. Water level, in feet below measuring point, 1942: Mar. 12, 73.02; Dec. 28, obstructed.

141 (*939, p. 162). Texas & Pacific Railway Co. 9.5 miles east of Barstow.

Water level, in feet below measuring point, 1942

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	58.71	June 13	64.61	Aug. 14	64.10	Oct. 24	60.61
Mar. 12	61.29	24	64.72	29	63.00	Nov. 12	61.93
Apr. 7	62.30	July 24	64.16	Sept.18	57.57	Dec. 28	63.56
May 8	63.63						

148 (*939, p. 163). T.N. Carr and others. 9.75 miles east of Barstow. Water levels, in feet below measuring point, 1942: Jan. 17, 77.78; Mar.12, 82.00; Dec. 28, 45.90.

159 (*939, p. 163). J. Key. 3.25 miles east of Barstow. Water levels, in feet below measuring point, 1942: Jan. 17, 95.20; Mar. 12, 95.11; Dec. 28, 95.62.

162a (*939, p. 163). Test well 319. H.J. Wade. 1.75 miles north of Barstow.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Jan. 1	8.05	Jan. 23	8.57	Feb. 14	8.24	Mar. 8	7.41
2	8.09	24	8.58	15	8.25	9	7.42
3	8.12	25	8.60	16	8.27	10	7.42
4	8.15	26	8.61	17	8.30	11	7.42
5	8.18	27	8.64	18	8.35	12	7.43
6	8.20	28	8.66	19	8.36	13	7.44
7	8.23	29	8.67	20	8.30	14	7.45
8	8.26	30	8.69	21	8.25	15	7.45
9	8.27	31	8.72	22	8.22	16	7.47
10	8.31	Feb. 1	8.74	23	8.20	17	7.50
11	8.33	2	8.75	24	8.20	18	7.53
12	8.35	3	8.74	25	8.19	19	7.52
13	8.37	4	8.59	26	7.97	20	7.44
14	8.39	5	8.47	27	7.60	21	7.41
15	8.42	6	8.41	28	7.42	22	7.40
16	8.43	7	8.37	Mar. 1	7.35	23	a7.37
17	8.43	8	8.33	2	7.36	Apr. 6	7.21
18	8.44	9	8.30	3	7.40	May 16	7.12
19	8.46	10	8.29	4	7.41	June 13	6.82
20	8.49	11	8.27	5	7.41	July 21	5.10
21	8.52	12	8.24	6	7.40	Dec. 29	8.26
22	8.55	13	8.24	7	7.39		

168 (*939, p. 164). Monroe Estate. 3.75 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 20.42; Dec.28, 19.12.

169 (*939, p. 165). W.A. Sewell. 3.25 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 10.53; Dec.29, 6.47.

170 (*939, p. 165). Measurements discontinued.

173 (*939, p. 165). W.H. Butler. 6 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Jan. 8, 6.03; Mar.12, 4.91; Dec. 28, 5.32.

176 (*939, p. 165). Measurements discontinued.

181 (*939, p. 166). Measurements discontinued.

182 (*939, p. 166). C.C. Brown. 7.25 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 11.72; Aug.14, 7.32; Dec. 28, 13.27.

188 (*939, p. 166). A.H. Gillespie. 5 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 6.21; Dec.28, 5.40.

191 (*939, p. 166). A.H. Gillespie. 4 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 7.98; Dec.28, 8.76.

a Recorder discontinued Mar. 23.

192 (*939, p. 167). Ward County Irrigation District 1. 3.5 miles northwest of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 6.72; Dec. 28, 7.63.

193 (*939, p. 167). Moule and Barker. 4.5 miles west of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 6.98; Dec.29, 8.10.

195 (*939, p. 167). Measurements discontinued.

195a (*939, p. 167). Test well 135. 3.75 miles west of Barstow.

Daily noon water level, in feet below measuring point, 1942 a/
(From recorder charts)

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	4.52	Feb. 1	4.75	Mar. 9	4.98	Apr. 16	4.96
2	4.54	2	4.76	10	4.96	17	4.87
3	4.52	3	4.76	11	4.95	18	4.80
4	4.55	4	4.75	12	4.95	19	4.71
5	4.56	5	4.76	13	4.97	20	4.62
6	4.57	6	4.79	14	4.97	21	4.54
7	4.59	7	4.78	15	4.98	22	4.60
8	4.60	8	4.75	16	5.01	23	4.65
9	4.58	9	4.79	17	5.05	24	4.70
10	4.65	10	4.80	18	5.05	25	4.74
11	4.63	16	4.74	19	5.00	26	4.78
12	4.62	17	4.80	20	5.01	27	4.83
13	4.62	18	4.86	21	5.07	28	4.87
14	4.61	19	4.86	22	5.07	29	4.86
15	4.54	20	4.85	23	5.03	30	4.89
16	4.53	21	4.84	24	5.01	May 1	4.91
17	4.52	22	4.81	25	5.01	2	4.90
18	4.53	23	4.82	26	5.07	3	4.93
19	4.57	24	4.87	27	5.11	4	4.95
20	4.61	25	4.84	28	5.10	5	4.95
21	4.62	26	4.86	Apr. 6	5.14	6	5.00
22	4.63	27	4.89	7	4.86	7	4.99
23	4.62	28	4.87	8	4.79	8	4.92
24	4.62	Mar. 1	4.85	9	4.70	9	4.89
25	4.62	2	4.90	10	4.73	10	4.88
26	4.62	3	4.89	11	4.81	11	4.89
27	4.67	4	4.87	12	4.89	12	4.92
28	4.67	5	4.93	13	4.95	13	4.95
29	4.66	6	4.91	14	5.00	14	4.98
30	4.71	7	4.91	15	5.01	15	5.02
31	4.75	8	4.98				

195b (939, p. 168). Test well 135a. About 50 feet northeast of well 195a.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.21	7.37	7.48	....	7.28	7.75	....	9.29	8.33	7.79	8.10	8.29
2	7.22	7.38	7.49	....	7.29	7.75	....	9.31	8.02	7.81	8.12	8.27
3	7.22	7.39	7.45	....	7.34	7.76	....	9.20	7.60	7.83	8.13	8.28
4	7.23	7.39	7.50	....	7.34	7.77	8.50	9.07	7.12	7.83	8.08	8.29
5	....	7.39	7.50	7.58	7.36	7.72	8.52	9.04	7.16	....	8.12	8.27
6	....	7.41	7.45	7.60	7.40	7.74	8.54	9.03	7.20	....	8.13	8.29
7	....	7.40	7.50	7.49	7.42	7.78	8.57	9.05	....	....	8.13	8.11
8	7.26	7.38	7.52	7.44	7.43	7.81	8.60	9.08	....	....	8.12	....
9	7.32	7.41	7.50	7.34	7.44	7.83	8.63	9.07	....	....	8.10	....
10	7.31	7.41	7.47	7.30	7.45	7.85	8.66	9.08	....	7.85	8.14	....
11	7.31	....	7.48	7.31	7.46	7.88	8.68	9.12	7.37	7.87	....	....
12	7.32	....	7.48	7.35	7.48	7.91	8.70	9.14	7.41	7.90	....	....
13	7.30	....	7.50	7.40	7.51	7.95	8.74	9.18	7.43	7.92	....	....
14	7.34	....	7.50	7.40	7.52	7.95	8.77	9.18	7.46	7.92	....	....
15	7.23	....	7.50	....	7.54	7.97	8.80	9.19	7.49	7.93	....	....
16	7.19	7.42	7.52	....	7.56	7.99	8.83	9.21	7.52	7.94	8.16	....
17	7.20	7.44	7.53	....	7.60	8.02	8.86	9.22	7.54	7.96	8.19	....
18	7.26	7.47	7.53	....	7.62	8.04	8.89	9.24	7.56	7.96	8.19	....

a Recorder removed May 15, 1942.

195b. Test well 135a--Continued.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	7.28	7.46	7.50	....	7.65	8.07	8.92	9.27	7.60	7.95	8.19	....
20	7.31	7.47	7.53	....	7.67	8.09	8.96	9.28	7.62	7.96	8.19	....
21	7.31	7.45	7.56	....	7.67	8.12	8.99	9.30	7.61	7.98	8.24	....
22	7.32	7.42	7.55	....	7.67	8.17	9.01	9.29	7.64	8.00	8.23	....
23	7.32	7.44	7.53	....	7.59	8.19	9.03	9.31	7.65	7.98	8.21	....
24	7.33	7.45	7.52	....	7.52	8.21	9.06	9.26	7.68	8.00	8.21	....
25	7.32	7.44	7.54	....	....	8.25	9.09	9.25	7.68	8.02	8.23	....
26	7.32	7.49	7.56	....	....	8.27	9.12	9.31	7.73	8.04	8.24	....
27	7.33	7.47	7.59	7.18	....	8.31	9.14	9.34	7.74	8.00	8.26	....
28	7.32	7.46	7.58	7.20	....	8.34	9.16	9.36	7.76	8.02	8.27	....
29	7.32	....	....	7.21	....	8.37	9.19	9.36	7.78	8.03	8.28	7.42
30	7.35	....	....	7.25	....	8.40	9.23	9.38	7.79	8.07	8.23	7.50
31	7.36	....	....	....	....	....	9.26	9.24	....	8.09	....	7.49

202 (*939, p. 170). A.R. Alves. 2 miles west of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 6.66; Dec. 29, 7.62.

205 (*939, p. 170). George Briggs. 1 mile west of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 10.78; May 16, 6.93; July 21, 11.21; Dec. 29, 11.93.

205a (*939, p. 171). Test well 285. 1 mile west of Barstow, across road from well 205.

Daily noon water level, in feet below measuring point, 1942
(From recorder charts)

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.36	7.10	10.63	.....	6.80	....	9.86	10.73	10.40	.....	.....	.....
2	11.23	9.50	10.64	.....	8.30	9.50	9.64	10.68	10.51	.....	.....	.....
3	11.18	8.68	10.53	.....	8.86	9.58	....	10.74	8.92	.....	.....	.....
4	11.13	9.33	10.53	.....	9.17	9.52	9.36	10.81	8.97	.....	.....	.....
5	11.00	9.42	10.59	.....	9.30	8.94	9.37	10.30	9.37	.....	.....	.....
6	10.85	9.66	10.54	10.43	7.90	8.95	9.78	10.75	9.68	.....	.....	.....
7	10.70	9.79	10.60	9.15	8.76	9.18	11.03	10.37	9.93	.....	.....	.....
8	10.75	9.89	10.67	10.51	9.09	9.36	10.01	10.53	10.13	.....	.....	.....
9	10.89	9.51	10.68	11.05	9.34	9.40	10.33	10.62	10.25	.....	.....	.....
10	10.95	9.36	10.69	10.71	9.49	9.06	10.46	10.67	10.23	.....	.....	.....
11	11.02	9.34	10.69	.....	9.55	9.21	10.57	10.92	10.23	.....	.....	.....
12	11.09	....	10.64	.....	8.81	....	10.75	11.04	9.59	.....	.....	.....
13	11.10	....	10.63	.....	8.91	9.10	10.65	11.14	9.74	.....	.....	.....
14	11.18	....	10.08	.....	6.05	9.26	.....	11.22	9.84	.....	.....	.....
15	11.20	....	9.98	.....	8.80	9.51	.....	11.23	10.17	.....	.....	.....
16	11.21	10.08	10.02	.....	....	9.40	.....	10.44	10.33	.....	.....	.....
17	11.23	10.18	9.91	.....	8.45	6.20	.....	10.43	10.47	.....	.....	.....
18	11.28	10.28	9.90	.....	8.77	6.20	.....	10.57	10.51	.....	.....	.....
19	11.29	10.30	9.97	.....	9.29	6.80	.....	10.76	10.63	.....	.....	.....
20	11.31	10.37	10.00	.....	9.53	8.77	.....	10.46	10.67	.....	.....	.....
21	11.32	10.41	10.23	.....	9.28	9.34	11.01	9.86	10.82	.....	.....	.....
22	11.35	10.46	10.36	.....	10.82	9.61	10.78	7.90	10.89	.....	10.83	.....
23	11.38	10.52	10.46	.....	10.92	9.80	10.65	8.86	11.00	10.31	.....	.....
24	11.40	10.59	10.51	.....	11.09	9.78	9.51	9.30	.....	.....	.....	.....
25	11.30	10.58	10.55	.....	11.27	9.62	9.29	9.60	.....	.....	.....	.....
26	11.20	10.62	10.28	.....	.....	9.74	9.21	9.96	.....	.....	.....	.....
27	11.12	10.60	9.87	9.85	.....	9.87	9.62	10.23	.....	.....	.....	.....
28	11.01	10.57	9.63	9.72	.....	9.81	9.98	10.46	.....	.....	.....	.....
29	10.79	.....	10.12	6.98	.....	10.00	10.17	10.67	.....	.....	.....	11.67
30	10.64	.....	.....	6.96	.....	10.15	10.36	10.76a	11.34	.....	.....	.....
31	10.35	.....	.....	....	.....	.....	10.56	10.65	.....	.....	.....	.....

206 (*939, p. 172). W.A. Burkholder. 1.25 miles north of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 8.64; Dec. 28, 10.92.

208 (*939, p. 173). L.G. Farnum. 1 mile east of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 8.52; Dec. 29, 10.11.

211 (*939, p. 173). Mrs. W.H. Nichols. 1 mile east of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 7.97; Dec. 29, 9.42.

a Recorder removed Sept. 30.

217 (*939, p. 173). Mrs. Charles Nichols. 2.25 miles southeast of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 12.63; Dec. 29, 13.52.

220 (*939, p. 173). No measurements in 1942.

221 (*939, p. 174). L.M. Watson. 4.25 miles southeast of Barstow. Water levels, in feet below measuring point, 1942: Mar. 12, 12.31; Dec. 29, 13.06.

255 (*939, p. 174). John Miller. 5.75 miles northwest of Grandfalls. Water level, in feet below measuring point, 1942: Dec. 29, 18.32.

309 (*939, p. 174). J.S. Reynolds. 2.5 miles southeast of Grandfalls. Water level, in feet below measuring point, 1942: Dec. 29, 10.10.

310 (*939, p. 174). Measurements discontinued.

316 (*939, p. 174). No measurements in 1942.

Wharton County

Well numbers correspond to those in Water-Supply Papers 840, 845, 886, 909, and 939.

1. Bob Ragsdale. 11 miles west of Hahn. Used drilled irrigation and stock well, diameter 18 inches, screen from 90 to 155 feet. Measuring point, top of casing, 0.5 foot above land surface. Equipped with windmill during period 1940-41 and with turbine pump in 1942. Water levels, in feet below measuring point: May 27, 1940, 37.49; Apr. 8, 1941, 37.64; Dec. 14, 1942, 38.16.

4 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 174). Measurements discontinued.

8 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 174). J.W. Wyer. About 0.7 mile west of Round Mott school. Water levels, in feet below measuring point, 1942: Apr. 4, 37.37; Dec. 14, 37.66.

31 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175). Tom Thomas. 6.5 miles north of Louise. Water levels, in feet below measuring point, 1942: Apr. 4, 27.22; Dec. 15, 27.37.

32 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175). Harfst Bros. About 0.7 mile south of Cobbler Creek school. Water levels, in feet below measuring point, 1942: Apr. 4, 31.23; Dec. 14, 30.58.

33 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175). Harfst Bros. 1.75 miles east of Hahn. Water level, in feet below measuring point, 1942: Apr. 3, 38.12.

57 (*939, p. 175). W.A. Harrison. 3.25 miles north of Glen Flora. Water levels, in feet below measuring point, 1942: Apr. 4, 14.86; Dec. 18, 15.94.

66 (*939, p. 175). J.J. Pendegrass. 2.5 miles west of Bonus. Water levels, in feet below measuring point, 1942: Apr. 4, 21.68; Dec. 18, 22.69.

70a (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175). J.J. Vacek. 3.2 miles west of East Bernard. Water levels, in feet below measuring point, 1942: Apr. 4, 9.48; Dec. 18, 12.37.

70b (*840, p. 503; 845, p. 548; 886, p. 775; 909, p. 204; 939, p. 175). J.J. Vacek. About 275 feet south of well 70a. Water levels, in feet below measuring point, 1942: Apr. 4, 10.52; Dec. 18, 12.71.

81 (*939, p. 175). Wm. J. Corman. In Lissie. Water levels, in feet below measuring point, 1942: Apr. 4, 25.76; Dec. 18, 25.20.

84. Fred Fojtek. About 100 feet south of U.S. Highway 90, 5 miles west of East Bernard. Used dug irrigation well, diameter 60 inches, depth 60 feet. Equipped with turbine pump.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Apr. 17, 1940	24.68	Dec. 20, 1941	25.80	Dec. 18, 1942	25.49
7, 1941	22.96	Apr. 4, 1942	20.72		

96 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 204; 939, p. 175). Frank Bucek. 8 miles north of Wharton. Water levels, in feet below measuring point, 1942: Apr. 4, 22.88; Dec. 18, 25.05.

108 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175). City of Wharton. In Wharton. Water levels, in feet below measuring point, 1942: Apr. 4, 22.35; Dec. 18, 22.57.

109 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175). City of Wharton. In Wharton. Water levels, in feet below measuring point, 1942: Apr. 4, 25.88; Dec. 18, 26.25.

140 (*845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175). No measurements made in 1942.

148. Central Power & Light Co. In El Campo, southwest of ice plant. Used drilled public supply well, diameter 17 inches, screens at 856-878, 990-1,011, and 1,051-1,072 feet. Equipped with deep-well turbine pump. Water levels, in feet below measuring point, 1942: Apr. 4, 30.71; Dec. 17, 29.99.

165 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175). H.P. Stockton. 1.4 miles northwest of Louise. Water levels, in feet below measuring point, 1942: Apr. 3, 22.73; Dec. 15, 23.55.

173 (*840, p. 503; 845, p. 548; 886, p. 755; 909, p. 205; 939, p. 175). Stoval and Appling. 8.25 miles south of Louise. Water levels, in feet below measuring point, 1942: Apr. 4, 15.07; Dec. 17, 14.66.

178 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 175). Adrian Johnson. 8 miles southwest of El Campo. (Measurements of this well in 1941 as published in Water-Supply Paper 939 are erroneous; the correct measurements for 1941 are here included.) Water levels, in feet below measuring point: Apr. 8, 1941, 17.22; Dec. 19, 1941, 17.26; Apr. 4, 1942, 17.00; Dec. 17, 1942, 17.41.

181 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176). T.E.Appling. 7 miles southeast of El Campo. (Measurements in this well in 1940 and 1941 as published in Water-Supply Papers 909 and 939 are erroneous; the correct measurements for these years are here included.)

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
Mar. 11, 1940	27.38	Apr. 8, 1941	27.24	Apr. 4, 1942	26.13
Dec. 9	28.65	Dec. 19	27.06	Dec. 17	27.36

186 (*840, p. 204; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176). Otto Mickelson. 2.5 miles north of Danevang. Water levels, in feet below measuring point, 1942: Apr. 4, 15.51; Dec. 17, 16.70.

200 (*939, p. 176). J.L. Myatt. 4.25 miles west of Danevang. Water levels, in feet below measuring point, 1942: Apr. 4, 20.64; Dec. 17, 21.25.

209 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176). J.C.Allen. 7 miles southeast of El Campo. Water levels, in feet below measuring point, 1942: Apr. 4, 13.48; Dec. 17, 13.32.

239 (*840, p. 504; 845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176). Gulf, Colorado & Santa Fe Railway Co. Water levels, in feet below measuring point, 1942: Apr. 4, 18.71; Dec. 17, 20.33.

241 (*845, p. 549; 886, p. 756; 909, p. 205; 939, p. 176). Texas Gulf Sulphur Co. At New Gulf, 400 feet northeast of timekeeper's office. Water levels, in feet below measuring point, 1942: Apr. 4, 29.50; Dec. 17, 30.41.

243 (*939, p. 176). Texas Gulf Sulphur Co. At New Gulf, 500 feet southwest of power plant. Water levels, in feet below measuring point, 1942: Mar. 21, a/25.48; Dec. 17, 27.37.

Williamson County

342 (*939, p. 176). J. F. McCann Estate. 4.75 miles southwest of Georgetown. Water level, in feet below measuring point, 1942: Dec. 10, 42.51.

344 (*939, p. 176). Victor Robertson. 4.75 miles southwest of Georgetown. Water levels, in feet below measuring point, 1942: Apr. 14, 114.31; Aug. 13, 117.89; Dec. 10, 115.98.

346 (*939, p. 176). Jack Gillam. 4.25 miles southwest of Georgetown. Water levels, in feet below measuring point, 1942: Apr. 14, 128.12; Aug.12, 132.91; Dec. 10, 131.37.

a Measured by Texas Gulf Sulphur Co.

348 (*939, p. 176). No measurements made in 1942.

351 (*939, p. 176). Fred Montgomery. 2.5 miles southwest of Georgetown. Water levels, in feet below measuring point, 1942: Apr. 14, 115.04; Aug. 12, 116.12; Dec. 10, 116.23.

353 (*939, p. 176). Walter Thwing. 2.5 miles south of Georgetown. Water levels, in feet below measuring point, 1942: Apr. 14, 121.48; Aug. 12, 125.39; Dec.10, 125.14.

418 (*939, p. 176). Eubanks Estate. 1.5 miles south of Georgetown. Water levels, in feet below measuring point, 1942: Apr. 14, 91.56; Aug. 12, 98.19; Dec. 10, 94.60.

420 (*939, p. 176). Mrs. Juanita Fleeger. About 0.75 mile southwest of Georgetown. Water levels, in feet below measuring point, 1942: Apr.14, 91.81; Aug. 12, 97.13; Dec. 10, 93.70.

889. Bankers Life Insurance Co. 2.5 miles northwest of Round Rock. Used domestic and stock drilled well, diameter 6 inches, depth 400 feet. Measuring point, top of iron pipe clamp, 1.0 foot above land surface. Equipped with windmill.

Water level, in feet below measuring point, 1940-42

Date	Water level	Date	Water level	Date	Water level
July 15, 1940	82.02	Apr. 14, 1942	93.56	Dec. 10, 1942	94.59
25, 1941	68.11	12	98.37		

922 (*939, p. 176). Mrs. Asher. 1.25 miles south of Round Rock. Water levels, in feet below measuring point, 1942: Apr. 13, 123.54; Aug. 11, 130.57; Dec. 10, 116.12.

929 (*939, p. 176). Mrs. J.L. Frisk. 2.5 miles south of Round Rock. Water levels, in feet below measuring point, 1942: Apr. 13, 167.86; Aug. 11, 174.24; Dec. 9, 159.81.

Zavala County

Well numbers correspond to those in Water-Supply Papers 777, 840, 845, 886, 909, and 939.

H7-13 (*777, p. 217; 840, p. 504; 845, p. 549; 909, p. 205; 939, p.117). No measurements made in 1942.

H7-20 (*777, p. 217; 840, p. 504; 845, p. 549; 886, p. 756; 909, p.205; 939, p. 177). W.A. Butler, formerly owned by W.R. Terpening. 5.5 miles north of La Pryor. Water level, in feet below measuring point, 1942: Aug. 6, 77.88.

M3-26 (*777, p. 218; 840, p. 504; 845, p. 549). R.W. Norton, formerly owned by Hal Mangum. 12 miles west of La Pryor. No measurements made in 1942.

M3-29 (*777, p. 218; 840, p. 504; 845, p. 549; 886, p. 756; 909, p.205; 939, p. 177). King Ware. 8.5 miles northwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 53.19.

M6-10 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). W.M. Van Cleve. 7.5 miles northwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 77.67.

M6-16 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p.206). J.S. Steward. 6 miles northwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 47.13.

M6-18 (*777, p. 218; 840, p. 504; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). N.E. Ware. 4 miles northwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 42.21.

M6-19 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). L.D. Van Cleve. 3 miles northwest of Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 60.05.

M9-1 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p. 206; 939, p. 177). T.B. Mear. In Cometa. Water level, in feet below measuring point, 1942: Aug. 7, 72.59.

N1-17 (*777, p. 219; 840, p. 504; 886, p. 756). D.H. Monkhouse, formerly owned by Matthews Ranch. 5 miles west of La Pryor. No measurements made in 1942.

N1-24 (*777, p. 219; 840, p. 504; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). J.C. Williams. 2.5 miles northwest of La Pryor. Water level, in feet below measuring point, 1942: Aug. 6, 126.35.

N1-40 (*777, p. 220; 840, p. 504; 845, p. 550; 909, p. 206; 939, p.177). I.T. Pryor. 2 miles west of La Pryor. Water level, in feet below measuring point, 1942: Aug. 6, 109.37.

N5-31 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). C. & M. Produce Co. 3 miles northeast of Crystal City. Water level, in feet below measuring point, 1942: Aug. 11, 54.26.

N5-39 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 177). C.R. Jarrett. 2 miles northeast of Crystal City. Water level, in feet below measuring point, 1942: Aug. 11, 60.72.

N5-40 (*777, p. 221; 840, p. 505; 845, p. 550; 886, p. 756; 909,p.206; 939, p. 178). C.R. Jarrett. 2.5 miles east of Crystal City. Water level, in feet below measuring point, 1942: Aug. 11, 57.88.

N5-47 (*777, p. 221; 840, p. 505; 845, p. 550; 909, p. 206). A. Wagner. 6 miles east of Crystal City. No measurements made in 1942.

N5-55 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 178). Cribbs & Davidson. 2.5 miles east of Crystal City. Water level, in feet below measuring point, 1942: Aug. 11, 62.40.

N5-60 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 178). Julius De Winnie, formerly owned by E.L. Reedy. 4 miles east of Crystal City. No measurements made in 1942.

N7-2 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 178). Gene Green, formerly owned by Mr. Murray. 1 mile southeast of Cometa. No measurements made in 1942.

N8-7 (*777, p. 222; 840, p. 505; 845, p. 550; 886, p. 756; 909, p.206; 939, p. 178). Walter Bidelspach, formerly owned by W.W. Walker. 3 miles southeast of Crystal City. Water level, in feet below measuring point, 1942: Aug. 11, 59.71.