

TEXAS STATE BOARD OF WATER ENGINEERS

Prepared in cooperation with the
United States Department of Interior, Geological Survey
and the City of Galveston

GALVESTON COUNTY, TEXAS

Records of wells, drillers and electrical logs, water level measurements,
water analyses, and map showing location of wells

By
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GALVESTON COUNTY, TEXAS

Introduction

by

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This release contains a description of 726 wells in Galveston County, Texas, including the location, depth and size of the wells, the depth to which the wells are cased, the depth to the water level on given dates, the method used in lifting the water, and the use that is made of the water. It contains logs of 86 of the wells, 574 analyses or partial analyses of water from them, and a map which shows all the wells described, each well having a number on the map corresponding to the number assigned to it in the tables of records. The publication also contains a supplementary table of chemical analyses of water from wells that are not listed in the tables of well records nor shown on the map, but are closely adjacent to the recorded wells.

Some of the records were obtained in 1931 and 1932 by Penn Livingston and S. F. Turner in the course of an investigation of the Houston-Galveston area which was undertaken by the State Board of Water Engineers in cooperation with the Geological Survey of the United States Department of the Interior, as part of a state-wide study of the underground water resources of Texas. The remaining records were obtained during 1939 to 1941 by B. A. Barnes, with the assistance of H. M. Stellman, Jr., in connection with an intensive study of the underground water resources of the county by the Federal Geological Survey in cooperation with the Texas Board of Water Engineers and the City of Galveston. Most of the chemical analyses were made by E. W. Lohr of the United States Geological Survey.

The records obtained in 1931 and 1932 were published in mimeographed form in April 1939, and are included in this publication.

The tabulated data include information obtained by Singley 1/ and Deussen 2/ and information on file in the office of the City Engineer of Galveston.

1/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

2/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

Records of wells and springs in Galveston County, Texas

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
1	7 $\frac{1}{2}$ miles west	Chester Eignus	Layne-Texas	1915	600	24	400	200
2	6 miles west	Carpenter Fig Co.	--	1903	600+	8	--	--
3	5 $\frac{1}{4}$ miles west	Mrs. Annette Voss	Layne-Texas	1910	763	24	506	149
4	7 $\frac{1}{2}$ miles west	J. L. Jones	--	1920	90	4	--	--
5	7 miles west	do.	--	1908	500+	4	--	--
6	do.	G. W. McClure	-- Rutherford	--	440	6	420	20
7	6 $\frac{3}{4}$ miles west	J. L. Jones	Pat O'Day	1924	505	4	485	20
8	7 $\frac{1}{4}$ miles west	Chester Eignus	--	1908	400	4	--	--
9	do.	do.	Rutherford Bros.	1920	650	4	375	275
10	6 $\frac{1}{2}$ miles west	Mrs. Mary Baker	F. W. Knaak	1939	150	4	90	60
11	7 miles west	A. A. Davis	Pat O'Day	1933	530	4	460?	100?
12	do.	A. W. McGinnis	F. W. Knaak	1926	117	2	110	7
13	6 $\frac{1}{2}$ miles west	C. W. Bills	do.	1936	138	2	123	15
14	6 $\frac{1}{4}$ miles west	Mrs. W. T. Smith	Jim Plumby	1910	185	4	165	20
15	6 $\frac{1}{2}$ miles west	H. Allman	F. W. Knaak	1937	150	2 $\frac{1}{2}$	120	30
16	do.	Cecil Brown	Layne-Texas	1938	562	6	431	131
17	do.	Old Friendswood School	Pat O'Day	1927	440	4	--	--
18	6 $\frac{1}{2}$ miles west	E. A. Glines	F. W. Knaak	1937	128	2	123	5

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

All wells are drilled unless otherwise noted in Remarks column

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measure- ment	Method of lift b/	Use of water c/	Remarks
1.	0.5	39.0	Oct. 11, 1931	I,N	N	Casing: 50 feet of 24-inch, and 550 feet of 9-5/8 inch; screen set from 474 to 596 feet. Water level was 8 feet below surface when well was completed. d/ See log.
		63.1	July 21, 1941			
2	0.6	--	--	--	--	At site of old fig plant. Filled at 12 feet when visited in 1939.
3	0	33.0	Oct. 11, 1931	N	N	Casing: 55 feet of 24-inch and 11-5/8-inch to bottom; screens set from 550 to 648 and 700 to 755 feet. See log.
		41.1	Sept. 15, 1939			
		33.9	July 21, 1941			
4	--	--	--	W	S	
5	0	16.9	Feb. 15, 1939	H	D,S	
6	--	--	--	G	D,S	Formerly irrigated 150 acres of rice.
7	--	--	--	G	D,S	Casing: 20 feet of 4-inch and 465 feet of 2-inch; screen set from 485 to 505 feet.
8	--	--	--	--	--	
9	--	--	--	N	N	Casing: 550 feet of 4-inch; screen set from 550 to 560 feet. Wooden plug at 30
10	1	9.7	Feb. 15, 1939	H	D,S	Casing: 90 feet of 4-inch. Water reported in medium coarse-grained sand.
11	2.8	54.5	do.	N	N	Water reported in coarse-grained sand.
12	--	--	--	E	D	Casing: 117 feet of 6-inch. Water reported in fine-grained red sand.
13	--	--	--	E	--	Casing: 123 feet of 2-inch. Water reported in fine-grained red sand.
14	1	12.5	Feb. 17, 1939	H	D,S	Casing: 165 feet of 4-inch; screen set from 165 to 185 feet.
15	0.3	12.9	Feb. 21, 1939	E	D,S	Casing: 120 feet of 2 1/2-inch. Water reported in fine-grained red sand.
16	1.1	54.1	Feb. 15, 1939	I,E	D,P, Ind	Casing: 163 feet of 6-inch swaged to 388 feet of 4-inch; screen set from 516 to 547 feet. See log.
		62.2	July 21, 1941			
17	4.9	65.7	July 21, 1941	A,E	P	
18	0.6	13.5	Feb. 17, 1939	E	D	Casing: 123 feet of 2-inch. Water reported in red sand.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
19	6 $\frac{1}{2}$ miles west	Friendswood School	Pat O'Day	1938	560	--	--	--
20	6 $\frac{1}{4}$ miles west	Cecil Brown	F. W. Knaak	1937	150	2 $\frac{1}{2}$	130	20
21	In League City	Mrs. M. M. Strickland	Pat O'Day	1938	210	3	--	--
22	do.	Ed Lemoine	Wm. Boeske	1933	23	4 $\frac{1}{2}$	--	--
23	do.	Joe Taylor	--	1900?	950	4	--	--
24	$\frac{1}{2}$ mile southeast	J. R. Bauer	--	1930?	88	2	--	--
25	In League City	G. H. & H. R.R.	--	--	208	8	--	--
26	do.	do.	Layno-Texas	1905	1,020	8	935	85
27	do.	Parke	--	--	88	--	--	--
28	do.	G. H. & H. R.R.	--	--	560+	4	--	--
29	do.	Emil Schenk	Fred Standard	1908	575	3	--	--
30	3 $\frac{1}{2}$ miles northeast	J. P. Robinson	--	1930	584	2	--	--
31	do.	J. Freunds	--	--	700+	4	--	--
32	5 miles northeast	City of Kemah	Gus Warnecke	1907	864	4	--	--
33	5 $\frac{1}{2}$ miles east	McClintock Est.	do.	1903	622	4	590	--
34	do.	-- Champion	--	--	12	4	--	--
35	do.	J. O. Derrick	Charles Ellis	--	75	2 $\frac{1}{2}$	--	--
36	5 $\frac{3}{4}$ miles east	W. G. Ellis	Wiley Burns	1937?	202	2	--	--
37	6 miles east	Roy Hofheintz	--	1938	107	3	106	1
38	5 $\frac{3}{4}$ miles east	W. Scott	Morle Pretty	1938	96	2	--	--
39	do.	Texas Corinthian Yacht Club	--	--	163	6	--	--
40	5 $\frac{1}{4}$ miles east	S. J. Gordy	--	--	40	2	35	5
41	5 $\frac{1}{4}$ miles northeast	Bay Shore Lumber Co.	Chas. Ellis	1938	106	2 $\frac{1}{2}$	--	--

No.	Height of Water level		Date of measure- ment	Method of lift b/	Use of water c/	Remarks
	benchmark above ground (ft.) a/	Below bench- mark (ft.)				
19	--	--	--	E	--	Screen set from 540 to 560 feet.
20	--	13.7	Feb. 22, 1939	E	D	Casing: 135 feet of 2 $\frac{1}{2}$ -inch.
21	--	--	--	E	D	Casing: 201 feet of 3-inch; screen set. from 201 to 210 feet.
22	--	--	--	--	--	
23	--	--	--	E	D,P	Flowed until 1923. Filled and abandoned July 23, 1941.
24	0	15.3	Mar. 14, 1939	N	N	Water reported in fine-grained white sand.
25	--	--	--	E	D,S,P	
26	--	--	--	N	N	Casing: 1,020 feet of 8-inch; screen set from 944 to 1,020 feet. Filled at 26 feet
27	--	--	--	--	--	Filled when visited in 1939. See log: when visited in 1939.
28	0.0	25.3	Apr. 15, 1931	N	N	
	1.0	52.2	Sept. 15, 1939			
		55.1	July 23, 1941			
29	1.6	48.9	Mar. 14, 1939	A,G	P	Flowed until about 1922.
		55.6	July 23, 1941			
30	0.3	27.7	Mar. 21, 1939	N	N	
31	--	--	--	W,G	D,P	
32	--	--	--	--	--	Filled when visited in 1939.
33	--	34.7	Mar. 22, 1939	N	N	Flowed 25 gallons a minute about 1907-08.f/ Ceased flowing about 1915.
34	1.3	5.0	do.	H	D,S	
35	--	15.2	Sept. 8, 1931	H	D,S	
36	--	--	--	A,E	D	Casing: 200 feet of 2-inch.
37	0.3	15.9	Mar. 22, 1939	E	D	Casing: 105 feet of 3-inch.
38	0.7	16.5	do.	E	D	
39	1.1	13.9	do.	E	D,P	
40	--	--	--	W	S	Casing: 35 feet of 2-inch.
41	0.4	15.2	Mar. 17, 1939	E	D	Casing: 106 feet of 2 $\frac{1}{2}$ -inch.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
42	5½ miles northeast	J. Freunds	Wiley Burns	1937	500+	2	500	--
43	do.	L. Scharck	do.	1929	100	2	93	7
44	do.	W. F. Hephworth	Chas. Ellis	1938	605	6	--	--
45	do.	A. C. Burton	do.	1939	580	4	567	13
46	5¼ miles northeast	E. W. Platzer	Wiley Burns	1933	368	2	348	20
47	5 miles northeast	J. E. Haviland	--	1915?	600	4	--	--
48	4¾ miles northeast	B. Gray	--	--	--	2	--	--
49	do.	H. E. Rhuland	--	--	655	3	--	--
50	do.	J. P. Robinson	--	--	74	2	--	--
51	4½ miles northeast	Clear Lake Shores	Wiley Burns	1928	578	4	--	--
52	4 miles northeast	A. L. Schmidt	do.	1937	467	4	--	--
53	do.	Will Dick	do.	--	97	2	--	--
54	do.	--	--	--	22	2	--	--
55	2½ miles northeast	League Est.	--	--	240	2	--	--
56	4 miles northeast	D. D. McDonald	-- Piazza	1931	105	4	60	45
57	3¾ miles northeast	Hall J. McConnell	Wiley Burns	1927	514	4	--	--
58	2¾ miles north	W. G. Cudlipp	--	--	640	--	--	--
59	2½ miles northeast	League Est.	Pat O'Day	1938	75	3	75	--
60	2¼ miles northeast	F. Schott	do.	1938	570	4	--	--

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measurement	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
42	2.1	33.7	Mar. 22, 1939	N	N	Casing: 500 feet of 2-inch.
		42.0	July 25, 1941			
43	0.5	11.8	Mar. 22, 1939	E	D	Casing: 60 feet of 2-inch.
44	1.0	32.3	Mar. 21, 1939	I,E	P	Casing: 150 feet of 6-inch and 455 feet of 4-inch.
45	0.7	24.5	Mar. 22, 1939	E	D	Casing: 40 feet of 4-inch and 512 feet of 2-inch; screen set from 567 to 580 feet.
		32.9	July 25, 1941			
46	1.0	22.5	Mar. 22, 1939	E	D,P	Casing: 348 feet of 2-inch; screen set from 348 to 368 feet.
47	1	47.5	Mar. 17, 1939	W,E	D,S	Flowed until 1930.
		52.1	July 25, 1941			
48	2.9	24.4	Mar. 17, 1939	A,C	D,S	
49	1.2	45.8	Mar. 17, 1939	A,E	D	
		53.5	July 25, 1941			
50	--	--	--	E	D	Casing: 74 feet of 2-inch.
51	0.7	39.7	Mar. 17, 1939	E	D	Flowed when drilled.
		48.1	July 25, 1941			
52	--	--	--	W	D,S	Casing: 467 feet of 4-inch. Water reported in fine-grained blue sand.
53	--	--	--	--	S	Casing: 85 feet of 2-inch.
54	3.1	7.4	Mar. 17, 1939	H	D	
55	--	--	--	W	S	Casing: 65 feet of 2-inch.
56	1.4	12.6	Mar. 17, 1939	H	D,S	Casing: 60 feet of 4-inch. Water reported in fine-grained white sand.
57	2.4	48.8	Mar. 16, 1939	A,G	D,P	Casing: 40 feet of 4-inch and 2-inch to bottom.
		57.1	Aug. 4, 1941			
58	--	--	--	W	D	
59	--	--	--	W	S	Casing: 75 feet of 3-inch.
60	1.1	43.4	Mar. 16, 1939	H	D,S	Casing: 60 feet of 4-inch and 2-inch to bottom.
		54.5	July 25, 1941			

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
61	5 $\frac{1}{2}$ miles northeast	R. O. Albright	-- Paladino	1928	25	3	--	--
62	do.	W. R. McClendon	Charles Ellis	1931	170	2 $\frac{1}{2}$	152	18
63	5 $\frac{3}{4}$ miles northeast	Bay Shore Investment Co.	-- Martin	1924	555	4	500	55
64	5 $\frac{1}{2}$ miles northeast	A. N. Lockart	A. N. Lockart	1929	42	--	--	--
65	7 $\frac{1}{4}$ miles northeast	W. W. Moore	Charles Ellis	1930	225	2	214	11
66	7 $\frac{1}{2}$ miles northeast	-- Sellman	do.	1930	218	2 $\frac{1}{2}$	196	22
67	do.	S. J. Helton	do.	1930	227	2 $\frac{1}{2}$	201	26
68	6 $\frac{3}{4}$ miles northeast	Sinclair Oil Co.	--	1914	22	36	--	--
69	6 $\frac{1}{2}$ miles northeast	L. M. Kelsey	J. Tacquard	1934	89	3	83	6
70	6 miles northeast	Humble Oil & Refining Co.	L. Patterson	1940	766	6	730	22
71	5 $\frac{3}{4}$ miles northeast	A. Bard	Charles Ellis	1938	77	4	69	8
72	5 $\frac{1}{2}$ miles northeast	Alma E. Fuqua	do.	1937	135	2	--	--
73	do.	A. F. Richter	do.	1937	163	4	--	--
74	do.	Mrs. Claude Clarkston	do.	1929	200	4	--	--
75	do.	W. P. Derrick	do.	1935	140	2	--	--
76	do.	R. B. Walling	Wiley Burns	1927	600	4	--	--
77	5 $\frac{1}{4}$ miles northeast	F. A. Morgan	-- Eberspacher	1934	650	4	--	--
78	do.	W. C. Reppert	Layne-Texas	1908	350	4	--	--
79	do.	H. J. Roberts	H. J. Roberts	1936	35	2	--	--
80	4 $\frac{3}{4}$ miles northeast	W. G. Heckendorn	Charles Ellis	1938	150	4	--	--

- a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.
- b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.
- c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measure- ment	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
61	0.5	9.5	Aug. 4, 1931	H	D	
62	--	--	--	H	D	Screen set from 155 to 170 feet. First water sand at 85 to 110 feet not screened.
63	4.1	44.9	July 25, 1941	A,G	D,S,P	Casing: 535 feet of 4-inch; screen from 535 to 555 feet.
64	--	--	--	H	D,S	
65	--	--	--	E	D	Casing: 215 feet of 2-inch; screen set from 215 to 225 feet.
66	--	--	--	H	D	Screen: 10 feet at bottom.
67	1.0	10.1	Apr. 4, 1939	E	D	Screen. 20 feet at bottom.
68	0	6.5	do.	H	D	Brick casing. Dug well.
69	--	--	--	E	D,S	Casing: 83 feet of 3-inch. Water reported in fine-grained white sand.
70	--	--	--	I,F	D	Casing: 755 feet of 6-inch; screen set from 733 to 755 feet. See log.
71	--	--	--	W	S	Casing: 69 feet of 4-inch.
72	0.4	13.9	Apr. 20, 1939	E	D	Casing: 135 feet of 2-inch.
73	0.5	15.3	Apr. 21, 1939	E	D	Casing: 163 feet of 4-inch. Water reported in fine-grained white sand.
74	--	--	--	W	D	Casing: 150 feet of 4-inch.
75	--	--	--	E	D	
76	--	--	--	E	D	Screen set at bottom of well.
77	--	--	--	W	D	
78	--	--	--	H	S	Casing: 340 feet of 4-inch; screen set from 340 to 350 feet.
79	--	--	--	W	D,S	Casing: 35 feet of 2-inch. Water reported in fine-grained red sand.
80	--	--	--	H	D,S	Casing: 150 feet of 4-inch. Water reported in fine-grained white sand.

a/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
81	8 miles northwest	J. M. West	-- Dimmitt	--	600	6	--	--
82	6 miles west	Mo. Pac. R.R.	L. Patterson	1926	642	6	632	10
83	do.	do.	Layne-Texas	1906	650	6	622	21
84	5 $\frac{3}{4}$ miles northwest	Algoa Public School	Ed. Metzler	1916	444+	4	--	--
85	5 miles northwest	Algoa Townsite Co.	Layne-Texas	1907	1,362	8	453 617	45 60
No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
86	4 $\frac{1}{4}$ miles west	J. M. West	--	--	600	4	--	--
87	do.	Otto Letzerich	O. Eberspacher	1935	500	4	480	20
88	3 $\frac{1}{4}$ miles west	-- Richter	--	1926	150	--	--	--
89	3 miles west	do.	Pat O'Day	1927	600	4	--	--
90	3 $\frac{1}{4}$ miles west	Simon H. Johnson	--	--	375	3	--	--
91	3 miles west	-- Richter	--	--	150	--	--	--
92	do.	Geo. S. Taylor	Pat O'Day	1938	140	4	127	10
93	3 $\frac{1}{4}$ miles west	J. T. Thompson	--	1900	150	5	--	--
94	4 miles west	J. H. Butte	-- Caldwell	1938	90	3	--	--
95	3 $\frac{3}{4}$ miles west	Otto Letzerich	O. Eberspacher	1935	160	4	145	15
96	6 $\frac{1}{4}$ miles west	W. H. Booth	Joe Martin	1914	600	4	535	65
97	6 $\frac{1}{2}$ miles west	-- Caldwell	--	1930	40	4	--	--

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level		Method of lift	Use of water	Remarks
		Below bench mark (ft.)	Date of measurement			
81	1.0	33.9	Oct. 11, 1931	W	D,S	
		57.8	Feb. 28, 1939			
		58.9	July 23, 1941			
82	1.5	56.5	May 1, 1939	I,E	D,RR	Casing: 650 feet of 6-inch; screen set from 632 to 642 feet. Water level reported as 17 feet below surface in 1929. <u>d/</u>
		65.3	Aug. 5, 1941			
83	--	--	--	--	--	Casing: 621 feet of 6-inch; screen set from 632 to 642 feet. Filled when visited
84	--	--	--	--	--	Filled when visited in <u>in 1939. See log. 1939.</u>
85	--	--	--	I,N	N	Casing: 705 feet of 8-inch; screens set from 459 to 481 and 626 to 686 feet. See log.
No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level		Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
		Below bench mark (ft.)	Date of measurement			
86	0.4	44.2	Mar. 6, 1939	N	--	
		53.4	Aug. 12, 1941			
87	--	--	--	W	D	Casing: 490 feet of 4 and 2-inch; screen set from 490 to 500 feet.
88	--	--	--	H	D	
89	3.2	54.7	July 23, 1941	A,G	S	
90	--	--	--	W	S	
91	--	--	--	E	D	
92	1.6	17.1	Mar. 3, 1939	W	D,S	Casing: 127 feet of 4-inch. Water reported in coarse-grained white sand.
93	1	20.8	Mar. 6, 1939	H	--	
94	--	16.2	Mar. 1, 1939	H	D	Casing: 90 feet of 3-inch.
95	--	--	--	H	I	Casing: 150 feet of 4 and 2-inch; screen set from 150 to 160 feet.
96	2.3	45.2	Mar. 2, 1939	H	N	Water reported in coarse-grained white sand.
		48.3	July 23, 1941			
97	--	--	--	W	D	

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
98	7 miles west	R. D. Haden	J. C. Gray	1935	42	2	40	2
99	$3\frac{3}{4}$ miles west	J. S. Rice	Earl Whitacre	1937	90	3	85	2
100	do.	J. H. Butte	Pat O'Day	1912	360	4	--	--
101	$1\frac{3}{4}$ miles south	H. E. Carter	--	--	200+	3	--	--
No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
102	2 miles northwest	John Saracca	Joe Piazzo	1926	94	4	--	--
103	do.	Rosa Emmot	do.	1928	100	--	--	--
104	do.	Paul Lobit	--	1932	15	48	--	--
105	$1\frac{1}{4}$ miles southwest	R. E. Newell	--	1915	240	4	--	--
106	1 mile southwest	Mrs. Hans Gouldman	--	1924	1,100	3	--	--
107	$\frac{3}{4}$ mile southwest	P. J. Sweeney	--	1925	215	3	--	--
108	$\frac{1}{4}$ mile northwest	Dickinson Ice Co.	Layne-Texas	1922	576	6	498	21
109	In Dickinson	Dickinson High School	--	--	230	3	--	--
110	do.	Nichols Well	--	--	600	3	--	--
111	do.	Dickinson Fig Plant	--	--	875	8	210	20
112	$\frac{1}{8}$ mile southeast	G. H. & H. R.R.	Gus Wernecke	--	750	3	650 750	-- --

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of		Water level		Method	Use	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measure- ment			
98	--	--	--	--	W	S	Casing: 40 feet of 2-inch.
99	2.7		20.1	Mar. 2, 1939	N	N	Casing: 85 feet of 3-inch.
100	--	--	--	--	W	D,S	Casing: 360 feet of 4-inch.
101	2.0		13.8	Oct. 20, 1930	G	D,S,I	
No.	Height of		Water level		Method	Use	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measure- ment			
102	1.9		12.0	Mar. 20, 1939	W	S	Casing: 94 feet of 4 and 2 $\frac{1}{2}$ -inch. Water reported in fine-grained yellow sand.
103	0		3.5	Mar. 21, 1939	N	N	
104	--		3.3	Mar. 20, 1939	H	D	Casing: 48x48-inch wood casing. Dug well.
105	0		6.7	Oct. 20, 1932	G	D,S	
	0.2		9.1	Sept. 15, 1939			
			9.0	July 29, 1941			
106	0		13.1	Mar. 28, 1939	H,G	D,S	Flowing October 20, 1932.
	2.7		23.0	July 28, 1941			
107	0.7		3.1	Mar. 27, 1939	N	N	Filled when visited in 1939.
108	--	--	--	--	N	N	Casing: 578 feet of 6-inch; screens set from 498 to 519 and 535 to 576 feet. Water level was 3 feet below the surface
109	0		13.4	Apr. 15, 1931	--	--	Filled and <u>in 1922. d/</u> See log. abandoned.
110	--	--	--	--	--	--	Filled when visited in 1939.
111	2		20.4	Apr. 6, 1939	A,G	Ind	Drilled to 875 feet but plugged back to 230 feet.
112	1		18.9	Apr. 15, 1931	--	--	Water level reported 3 feet above surface in 1907-08. <u>f/</u>
			58.3	Apr. 15, 1939			
			59.8	July 28, 1941			

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp.154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
113	$\frac{3}{4}$ mile northeast	E. Menotti	--	1925	504	6	--	--
114	$1\frac{1}{4}$ miles east	C. L. Dobbins	--	1894	850+	4	--	--
115	$2\frac{1}{4}$ miles southeast	Maco Stewart	C. Anauschewts	1925	526	4	475	50
116	$2\frac{3}{4}$ miles southeast	Mrs. M. Moore	John Palmer	1912	65	4	56	8
117	$3\frac{1}{4}$ miles southeast	--	--	--	--	3	--	--

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
118	$2\frac{1}{2}$ miles northwest	Dairy Farmers Co-Op Assn.	--	1930	96	4	--	--
119	$1\frac{1}{2}$ miles northwest	Santa Fe School	--	1928	68	2	--	--

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
120	1 mile southwest	M. B. Butler	Joe Piazza	1936	140	3	124	16
121	$\frac{3}{4}$ mile southeast	Joe Daro	Pat O'Day	1928	168	3	--	--

- a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.
- b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.
- c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measurement	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
113	0.5	14.9	Oct. 20, 1932	W	D,S	
	0.1	33.3	July 19, 1939			
		37.0	July 28, 1941			
114	1.5	12.0	Apr. 15, 1931	A,E	--	Water level reported 8 feet above surface in 1907-08. <u>f/</u>
		50.3	Apr. 10, 1939			
	0.6	46.9	July 28, 1941			
115	4.0	19.4	Oct. 20, 1932	N	N	Casing: 4-inch steel casing with screen on bottom.
	1.6	46.6	May 9, 1939			
		37.8	July 30, 1941			
116	0	9.7	Oct. 20, 1932	W	D,S	Casing: 64 feet of 4-inch.
		8.2	Mar. 23, 1939			
117	--	--	--	N	N	Filled when visited in 1939.

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measurement	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
118	--	--	--	E	Ind	Casing: 96 feet of 4-inch.
119	--	--	--	E	P,D	

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measurement	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
120	--	--	--	E	D	Casing: 125 feet of 3 and 2 $\frac{1}{2}$ -inch. Water reported in coarse-grained gray sand.
121	0	18.1	Mar. 17, 1939	A,E	D,S,I	Casing: 158 feet of 3-inch; screen set from 158 to 168 feet. Irrigates 5 acres.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
122	1 mile southeast	B. Tracconae	Joe Piazza	1924	100	2	--	--
123	do.	Tony Cassina	Pat O'Day	1938	144	3	134	10
124	do.	Mrs. M. Cassina	Joe Piazza	1927	65	2	--	--
125	do.	M. B. Butler	--	1938	132	2½	108	24
No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
126	2 miles west	Paul Lobit	--	--	35	6	--	--
127	do.	Ross Ferro	Pat O'Day	1935	100+	2	--	--
128	1½ miles north	O. M. Trippodo	Joe Piazza	1927	105	3	--	--
129	1¾ miles north	C. Radicioni	--	--	87	2	--	--
130	3 miles northwest	Dr. -- Patton	-- McCarthy	1938	680+	5	--	--
131	2¾ miles northwest	-- Bricknocker	do.	1938	680+	6	--	--
132	2 miles northwest	Robert Jones	--	--	11	18	--	--
133	1¼ miles north	John Battistoni	John Battistoni	1939	22	1½	20	2
134	1¼ miles northeast	Joe Giamalve	Joe Giamalve	--	20	36	--	--
135	¾ miles east	E. R. Strong	--	--	630+	4	--	--
136	1½ miles northeast	-- Mancusso	--	--	18	36	--	--
137	¾ mile north	Mrs. G. Marselli	--	--	600	6	--	--
138	do.	M. Martinez	--	--	23	36	--	--
139	1 mile northwest	Lucy Howard	Walter Morgan	1936	20	4	--	--
140	1¼ miles northwest	Jim Wiley	--	--	15	36	--	--
141	do.	Annie Harris	Annie Harris	1908	12	24	--	--

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measure- ment			
122	--	--	--	E	S,I	Casing: 100 feet of 2-inch. Water re- ported in fine-grained white sand. Irri-
123	1.2	17.2	Mar. 18, 1939	E	D	Casing: 134 feet of gates 2 to 3 acres. 3-inch.
124	--	--	--	E,I	D	Casing: 65 feet of 2-inch.
125	--	--	--	W	S	Casing: 109 feet of 2½-inch.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measure- ment			
126	1.8	4.8	Mar. 18, 1939	H	D,S	
127	0.8	12.2	Mar. 17, 1939	E	D	Water reported in fine-grained white sand.
128	0.4	12.2	Apr. 5, 1939	G	D,S,I	Casing: 82 feet of 3-inch.
129	0.1	9.3	do.	H	D,S,I	
130	6.2	55.4	Mar. 24, 1939	N	N	Supplied water for drilling oil test.
	5.1	55.6	Aug. 4, 1941			
131	3.4	48.1	Mar. 24, 1939	N	N	Supplied water for drilling oil test. Filled and abandoned.
132	0.8	2.8	Mar. 20, 1939	N	N	Casing: 18x18-inch wood. Dug well.
133	1.3	6.0	Apr. 5, 1939	H	D,S	Casing: 20 feet of 1½-inch. Water re- ported in fine-grained red sand. Dug
134	1.7	6.3	Apr. 6, 1939	H	D,S	Casing: 20 feet of 36-inch well. brick. Dug well.
135	3.4	41.8	Mar. 23, 1939	N	N	Supplied water for drilling oil test.
		47.7	Aug. 1, 1941			
136	2	6.3	Apr. 6, 1939	H	D,S	Casing: 18 feet of 36-inch brick. Dug well.
137	1.6	58.8	Apr. 5, 1939	A,E	I	
		63.6	July 29, 1941			
138	0.7	4.5	Mar. 21, 1939	H	D	Casing: 36-inch brick. Dug well.
139	1.9	3.9	Mar. 20, 1939	H	D	Casing: 4x4-inch wood. Water reported in fine-grained red sand.
140	2.0	5.6	do.	H	D	Casing: 36-inch brick. Dug well.
141	--	4.4	Mar. 21, 1939	H	D	Casing: 12 feet of 24x24-inch wood. Water reported in yellow sand.

Records of wells and springs in Galveston County--Continued

No	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
142	2 $\frac{3}{4}$ miles west	G. H. Echols Oil Co.	---	---	686	---	---	---
143	3 $\frac{1}{4}$ miles west	Phillips Petroleum Co.	Pat O'Day	1939	432	4	412	20
144	do.	Midstates Oil Co.	---	---	650 ⁺	4	---	---
145	3 $\frac{1}{2}$ miles west	Maco Stewart	Pat O'Day	---	700 ⁺	---	---	---
146	4 miles west	Ross Stewart	---	---	716 ⁺	---	---	---
147	4 $\frac{1}{4}$ miles west	do.	---	---	700 ⁺	4	---	---
148	1 mile northwest	Jim Wiley	Wiley Burns	1927	576	---	---	---
149	$\frac{1}{4}$ mile northwest	Nick Fatter	Southern Eng. & Pump Co.	1935	576	6	498 535	21 43
150	do.	do.	do.	1936	576	6	498 535	21 43

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
151	8 miles northwest	W. M. Hastings	Pat O'Day	---	90	4	---	---
152	8 $\frac{1}{2}$ miles northwest	Thos. Beattie	---	---	185	4	---	---
153	8 miles northwest	J. H. Blaising	Chas. Ellis	1913	478	2	---	---
154	do.	L. F. Bachman	do.	---	180	2 $\frac{1}{2}$	158	22
155	do.	G. B. Slate	do.	1931	170	2 $\frac{1}{2}$	144	26
156	do.	D. C. Richards	D. C. Richards	1924	478	2 $\frac{1}{2}$	454	24
157	do.	do.	do.	1923	170	3	150	20
158	8 $\frac{1}{2}$ miles northwest	do.	do.	1930	170	8	150	20
159	7 $\frac{3}{4}$ miles northwest	Chas. Ellis	Chas. Ellis	1924	547	4	523	24

- a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.
- b/ A, air lift; B, bucket; I, impeller; either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.
- c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment			
142	2.7	43.6	Mar. 10, 1939	N	N	Supplied water for drilling oil test.
		53.3	July 29, 1941			
143	--	--	--	E	D, Ind	Casing: 412 feet of 4-inch; screen set from 412 to 432 feet.
144	--	--	--	NG	D, O	Supplied water for drilling oil test.
145	--	--	--	NG	O	Do.
146	--	--	--	NG	O	Do.
147	--	--	--	NG	O	Do.
148	--	--	--	N	N	
149	--	--	--	I, E	Ind, P	Casing: 578 feet of 6-inch; screens set 498 to 519 and 536 to 576 feet.
150	2.5	85.8	July 29, 1941	A, E	Ind, P	Do.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment			
151	--	--	--	H	D, S	
152	0.7	10.3	May 16, 1939	H	N	
153	1.1	23.1	May 16, 1939	H	D, S	
		29.5	July 26, 1941			
154	--	--	--	A, G	D, S	Screen: 20 feet at bottom.
155	--	--	--	W	D, S	Screen: 12 feet at bottom.
156	--	--	--	W	D	Casing: 454 feet of 2 $\frac{1}{2}$ -inch; screen set from 454 to 474 feet.
157	--	--	--	--	--	Filled and abandoned.
158	0.9	17.7	May 17, 1939	I, G	D, S	Screen: 20 feet at bottom.
159	1.0	31.2	do.	W	D, S	Casing: 527 feet of 2 $\frac{1}{2}$ -inch. Screen set from 527 to 547 feet. Filled and abandoned.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
160	7½ miles northwest	C. J. Blume	-- Morton	1923	557	4	523	25
161	7½ miles north	R. M. Griffith	Chas. Ellis	1924	665	4	641	24
162	8 miles north	D. C. Richards	-- Morton	1924	665	4	--	--
163	7½ miles north	Experiment Farm	--	1908	185	12	--	--
164	8 miles north	William Hodges	Chas. Ellis	1930	175	2½	155	20
165	7¾ miles north	F. G. Eideman	do.	1929	225	2½	204	21
166	7¼ miles north	-- Kieth	do.	1930	187	2½	175	12
167	do.	Public Well at San Leon	--	1891	600+	4	--	--
168	7 miles north	-- Butcher	Chas. Ellis	1930	165	2½	153	12
169	do.	T. W. Sanders	do.	1929	225	4	202	23
170	do.	--	--	Old	--	--	--	--
171	7 miles northwest	Galveston County	Gus Wernecke	Old	600+	--	--	--
172	do.	San Leon Development Co.	do.	1891	600	4	--	--
173	7 miles north	do.	do.	1891	600	4	--	--
174	6¾ miles north	R. E. Breeding	Chas. Ellis	1928	227	4	201	26
175	7 miles north	San Leon Development Co.	--	1919	3,562	8	--	--
176	6½ miles north	G. J. Fromm	Chas. Ellis	1931	160	2½	142	18
177	9 miles northwest	F. G. Eideman	Wiley Burns	--	687	4	--	--
178	6½ miles northwest	W. H. Sutton	Chas. Ellis	1925	200	3	--	--
179	6¾ miles northwest	Chas. Peterson	Chas. Peterson	--	33	2	--	--
180	5¼ miles northwest	W. H. Sutton	--	--	100	3	--	--
181	7 miles northwest	Mrs. -- Butterfield	Wiley Burns	1912	480	2	--	--
182	7½ miles northwest	M. J. Sass	Chas. Ellis	1929	165	2½	140	25

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
160	7.5		36.8	July 26, 1941	W	D,S	
161	1.8		38.3	May 17, 1939	N	N	Screen: 20 feet at bottom. Flowed when drilled.
			45.2	July 26, 1941			
162	1.4		46.5	July 26, 1941	W	D,S	
163	--	--	--	--	N	N	Filled when visited in 1939.
164	--	--	--	--	W	D	Screen: 12 feet at bottom.
165	1.7		14.7	May 17, 1939	E	P,D,S	Screen: 20 feet at bottom.
166	--	--	--	--	W	D,S	Screen: 10 feet at bottom.
167	2.5		12.6	May 17, 1939	N	N	Flow reported as 10 gallons a minute in 1893. e/ Ceased flowing in 1919.
168	--	--	--	--	W	D,S	Screen: 12 feet at bottom.
169	1.7		10.6	May 17, 1939	H	D,S,P	Screen: 20 feet at bottom. Flowed slightly when completed. d/
170	--	--	--	--	--	--	Formerly flowed. Filled when visited in 1939.
171	--	--	--	--	N	N	Filled when visited in 1939.
172	2.2		6.7	May 17, 1939	N	N	Casing probably leaks at shallow depth.
173	1.1		3.9	May 17, 1939	H	S	Do.
			6.1	July 26, 1941			
174	--	--	--	--	W	D	
175	--	--	--	--	--	--	Oil test.
176	--	--	--	--	W	D,S	Screen: 15 feet at bottom. Water level 2 feet below surface when drilled. d/
177	0.8		47.9	May 16, 1939	W,H	D,S	
			55.2	July 8, 1941			
178	--	--	--	--	W	D	
179	1.1		10.2	May 16, 1939	H	D,S	
180	--	--	--	--	W	S	
181	--	--	--	--	W	D,S	Flowed until 1928.
182	--	--	--	--	H	D,S	Screen: 10 feet at bottom.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
183	7 $\frac{3}{4}$ miles northwest	M. J. Sass	Pat O'Day	1938	663	4	--	--
184	7 $\frac{1}{2}$ miles northwest	So. Pac. R.R. T. & N.O. R.R.	-- Wright	1900	601	4	--	--
185	do.	do.	--	1895	598	4	--	--
186	do.	Adams Preserving Co.	-- Martin	1924	656	4	--	--
187	6 $\frac{3}{4}$ miles northwest	George Knight	Wiley Burns	1913	487	2	--	--
188	6 $\frac{1}{2}$ miles northwest	W. H. Sutton	Chas. Ellis	--	160	2 $\frac{1}{2}$	138	22
189	4 $\frac{1}{2}$ miles north	Col. -- Moore	-- Conklin	Old	700+	4	--	--
190	6 $\frac{1}{2}$ miles northwest	Mike Harmon	--	--	17	--	--	--
191	7 $\frac{1}{2}$ miles northwest	A. E. Danialson	L. Patterson	1934	666	7	580	84
192	7 miles northwest	Stanolind Oil & Gas Co.	--	--	520	6?	480	140
193	3 $\frac{1}{4}$ miles north	Col. -- Moore	--	--	160	2	--	--
194	2 $\frac{3}{4}$ miles northwest	W. H. Sutton	Lee Dix	1938	18	2	--	--
195	4 $\frac{1}{2}$ miles northwest	Franz Kohfeldt	L. Patterson	1939	641	7	555	86
196	2 miles northeast	Mainland Co.	Lee Dix	1939	15	4	--	--
197	do.	H. F. Wetzel	do.	1934	10	30	--	--
198	2 $\frac{1}{4}$ miles northwest	E. H. Swetman	J. Anezan	1939	94	--	--	--
199	do.	V. D. Fereday	Chas. Laver	1938	120	2 $\frac{1}{2}$	90	30
200	2 miles west	Leilla Jackson	--	1916	12	8	--	--
201	4 $\frac{1}{4}$ miles west	Theo. Korenek	--	1912?	22	6	--	--
202	4 $\frac{1}{2}$ miles west	Frank Bell	John Anezan	1927	120	3	105	15
203	do.	Highway Dept.	F. A. Boehm	1904	860	9- 5/8	800	60
204	4 miles west	G.H. & H. R.R.	Layne-Texas	1918	909	9- 5/8	740	156

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
183	1.5		49.7	May 15, 1939	N	N	
	1.0		53.9	July 26, 1941			
184	0.9		52.9	July 26, 1941	W	D,RR	At San Leon Station. Flowed until 1928.
185	0.2		45.8	May 15, 1939	N	N	Do.
186	2.8		45.8	do.	A,E	D,Ind	Do.
187	1.5		21.3	do.	H	D,S	Flowed until 1931.
188	--		--	--	W	D,S	Screen: 20 feet at bottom.
189	0.9		43.2	May 15, 1939	W	D,S	Flowed until 1931.
			63.2	Aug. 2, 1941			
190	3.0		7.6	Apr. 11, 1939	H	--	
191	--		--	--	NG	O	Casing: 148 feet of 7-inch and 435 feet of 4-inch; screen set from 581 to 661 feet.
192	--		--	--	--	--	See log.
193	0.8		10.6	May 15, 1939	N	N	Casing: 150 feet of 2-inch.
194	--		--	--	W	S	
195	5.5		47.8	Sept. 15, 1939	NG	O	Casing: 640 feet of 7-inch; screen set from 599 to 640 feet. See log.
			58.3	Aug. 7, 1941			
196	0.3		8.3	May 15, 1939	W	S	Casing: 4x4-inch wood.
197	1.1		8.2	do.	N	D,S	Casing: 30-inch wood. Dug well.
198	--		--	--	W	D,S	
199	--		--	--	W	D	Casing: 90 feet of 2 $\frac{1}{2}$ -inch.
200	0		5.6	May 6, 1939	H	D	
201	--		--	--	H	D,S	Casing: 6x6-inch wood.
202	1		11.0	Sept. 21, 1932	E	D	Casing: 110 feet of 3-inch. Water reported in fine-grained white sand.
			10.2	Apr. 12, 1939			
203	0		2.2	Apr. 15, 1931	--	--	Casing: 800 feet of 9-5/8-inch and 60 feet of 9-5/8-inch screen. Filled at 22
204	--		--	--	H	D	Casing: 909 feet when visited in 1939. feet of 9-5/8-inch; screen set from 869 to 909 feet. See log.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date	Depth com- ple- ted	of well (ft.)	Principal water- bearing bed	
							Diam- eter of well (in.)	Depth to top of bed (ft.)
205	4 miles west	G.H.& H. R.R.	Layne-Texas	1915	914	9- 5/8	776	133
206	3½ miles west	A. J. Biron	do.	1907	926	11- 5/8	294	54
207	1½ miles west	C. R. Danner	C. R. Danner	1936	30	2	--	--
208	4½ miles west	A. D. Thibodeaux	-- Belez	1938	100	4	88	12
209	do.	H. N. Garner	H. N. Garner	1918	25	36	--	--
210	do.	Sam Pollitz	Milton Britton	1938	115	3	--	--
211	3½ miles west	Bob O'Brien	H. H. Ellis	1938	174	2	169	5
212	3 miles west	F. B. Louvier	do.	1938	96	2	81	15
213	2¼ miles west	Bundy Est.	-- Bundy	--	30	6	--	--
214	1¾ miles west	R. W. Palmer	R. W. Palmer	1938	88	3	--	--
215	1½ miles west	H. H. Ellis	H. H. Ellis	1938	400	--	--	--
216	1¾ miles west	Charles Lowry	do.	1937	100	3	--	--
217	3½ miles west	Mike Cassidy	J. Schultz	1937	96	2	90	6
218	5¾ miles west	J. H. Theiler	J. H. Theiler	1930	52	4	50	2'
219	5 miles west	Joe Brown	-- Britton	1933	20	3	--	--
220	4½ miles west	Frank Bell	John Anezan	1923	110	3	90	20
221	2¾ miles northwest	J. Wetzel	--	--	--	4	--	--
222	2 miles northwest	S. M. O'Callaghan	S. M. O'Callaghan	1932	30	4	--	--
223	1¾ miles west	Otis Walker	Charles Ellis	1931	246	2½	226	20
224	¾ mile northwest	Community Public Service Co.	Layne-Texas	1915	1,039	24	671	38

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measure-ment	Method of lift b/	Use of water c/	Remarks
205	2.0	6.2	Apr. 15, 1931	I,E	P	Casing: 914 feet of 9-5/8-inch; screen set from 873 to 914 feet. See log.
	1.6	45.9	Sept. 15, 1939			
		57.1	Aug. 2, 1941			
206	0	7.2	Apr. 15, 1931	I	N	Casing: 910 feet of 11-5/8-inch; screens set from 286 to 346, 362 to 382 and 790 to 894 feet. Flowed 380 gallons a minute in 1907, 200 in 1914 and 50 in 1922. See
	1.0	45.3	Sept. 15, 1939			log.
207	--	--	--	E	D	Water reported in fine-grained white sand.
208	1.8	15.6	Apr. 11, 1939	H	D,S	Casing: 88 feet of 4-inch.
209	3.0	8.0	Apr. 10, 1939	H	D	Casing: 25 feet of 36x36-inch wood. Dug well.
210	--	--	--	W	D	Screen set at bottom.
211	1.6	10.7	Apr. 11, 1939	E	D	Casing: 169 feet of 2-inch.
212	2.1	8.0	May 3, 1939	E	D	Casing: 82 feet of 2-inch. Water reported in fine-grained white sand.
213	1.0	6.0	do.	H	D	
214	1.3	14.5	May 8, 1939	E	D	Casing: 88 feet of 3-inch.
215	--	--	--	E	P	
216	1.0	12.3	Dec. 15, 1938	E	P	
217	0.5	7.1	Apr. 10, 1939	E	D	Casing: 90 feet of 2-inch; screen set from 90 to 96 feet.
218	--	--	--	G	I	Casing: 52 feet of 4 and 2 1/2-inch. Water reported in fine-grained red sand.
219	--	--	--	H	D	Casing: 20 feet of 3-inch.
220	0.2	10.3	Apr. 12, 1939	H	D	Casing: 90 feet of 3-inch.
221	--	--	--	W	D,S	
222	--	--	--	H	D,S	
223	0.4	23.9	Dec. 15, 1938	E	D,S	Screen: 10 feet at bottom.
224	--	--	--	I,E	P	Casing: 84 feet of 24-inch, 12-inch set at 762 feet and 9-5/8-inch at 964 feet with wooden plug set at 762 feet; screens set from 594 to 628, 647 to 683 and 718 to 750 feet. Drilled to 1,039 feet but plugged at 762 feet. Flow, October 22, 1932 estimated at 10 gallons a minute. Filled and abandoned. See log.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
225	1 mile northwest	Community Public Service Co.	Layne-Texas	1914	791	8	697 742	35 27
226	$\frac{3}{4}$ mile northwest	do.	do.	1910	812	$8\frac{1}{4}$	674 771	91 29
227	do.	do.	do.	1913	783	8	677 722	36 44
228	In Texas City	Depot Well	--	1896	740	$4\frac{1}{2}$	--	--
229	$1\frac{1}{2}$ miles west	Knox Process Corp.	Stoner & Conklin	1924	574	12	540	28
230	2 miles west	Pan American Refining Co. Well 1	McMasters & Pomeroy	1933	611	12	440 471 536	20 12 34
231	$\frac{1}{2}$ mile southeast	Texas Sugar Refining Co.	Southern Well Drilling Co.	1923	582	10	425 535	80 47
232	do.	do.	do.	1924	610	10	392 546	144 62
233	do.	do.	do.	1929	589	16	420 503	58 44
234	$\frac{3}{4}$ mile southeast	Texas City Terminal R.R.	Layne-Texas	1922	550	$8\frac{1}{4}$	415 500	60 45
235	do.	do.	do.	1922	547	8	420 500	40 47
236	do.	do.	do.	1910	1,135	6	921	214
237	do.	do.	do.	1910	580	8	--	--
238	do.	do.	--	1912	800	8	--	--
239	do.	do.	--	1904	855	6	--	--
240	$1\frac{1}{2}$ miles west	E. C. Roberts	H. H. Ellis	1936	107	3	100	7
241	$1\frac{3}{4}$ miles west	W. P. Ludwig	Charles Ellis	--	700	6	--	--
242	$1\frac{1}{2}$ miles west	I. N. Hood	H. H. Ellis	1932	209	$2\frac{1}{2}$	--	--

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	Below bench mark (ft.)	Date of measurement				
225	2.0	48.2	Feb. 27, 1939	I,E	P		Casing: 791 feet of 8-inch; screen set from 692 to 768 feet. See log.
		69.4	Aug. 7, 1941				
226	0	2.2	Oct. 22, 1931	--	--		Casing: 812 feet of 8 $\frac{1}{4}$ -inch; screens set from 715 to 756 and 776 to 795 feet. Had flow of 68 gallons a minute when completed. d/ Filled and abandoned. See log.
227	--	--	--	I,E	--		Casing: 783 feet of 8-inch; screens set from 685 to 706 and 724 to 765 feet. Ceased flowing in 1915. Temperature, 81°F.
228	1	25.5	Sept. 15, 1939	N	N		At time well was freed of obstruction at 23 feet water level was 47.3 feet below measuring point. Casing See log.
229	--	--	--	E	P		probably leaks at shallow depth.
230	--	--	--	--	--		Casing: 590 feet of 12-inch; screens set from 440 to 460, 471 to 482 and 536 to 570 feet. Filled and abandoned. See log.
231	--	--	--	--	--		Casing: 463 feet of 10-inch and 120 feet of 8-inch; screens set from 463 to 503 and 543 to 583 feet. Abandoned in 1926.
232	--	--	--	--	N		Casing: 609 feet of 10-inch; screens set from 463 to 506 and 546 to 586 feet. Abandoned in 1929. See log.
233	0	68.3	Feb. 22, 1939	I,E	N		Casing: 421 feet of 16-inch and 171 feet of 8-inch with .45 foot lap into 16-inch; screens set from 427 to 486 and 506 to 547 feet. Water level, 36 feet below sur-
		71.1	Aug. 11, 1941				
234	--	--	--	I,E	Ind		Casing: 550 feet of 8 $\frac{1}{4}$ -inch; screens set from 444 to 480 and 501 to 540 feet. Owner's old well 6, face in 1929. d/ See log.
235	--	--	--	I,E	Ind		Casing: 547 feet present well 2. See log. of 8-inch; screens set from 442 to 460 and 500 to 541 feet. Owner's old well 5,
236	--	--	--	--	--		Casing: 1,136 feet of present well 1. 6-inch; screen set from 1,078 to 1,136 feet. Flowed salt water. Abandoned and
237	--	--	--	--	--		Screen failed; filled. Owner's old well 1. well abandoned and filled in 1919 or 1920.
238	--	--	--	--	--		Screen failed; well Owner's old well 2. abandoned and filled. Owner's old well 4.
239	1.0	30.9	Sept. 15, 1939	N	N		Estimated flow 5 gallons a minute in 1932. Owner's old well 3. Inman Well.
240	0.4	13.2	May 8, 1939	E	D,P		Casing: 107 feet of 3-inch. Water reported in fine-grained white sand.
241	--	--	--	E	D		
242	0.5	14.8	May 6, 1939	N	--		Casing: 209 feet of 2 $\frac{1}{2}$ -inch.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
243	$\frac{1}{2}$ mile south	Stone Oil Co.	Layne-Texas	1937	801	16	469 552 612 699	37 30 15 27
244	do.	do.	do.	1922	788	6	739 559 727	46 26 53
245	do.	Republic Oil Refining Co. Well 1	do.	1937	857	16	472 594 614 657	36 10 11 28
246	$2\frac{1}{2}$ miles southwest	Pan American Refining Co. Well 2	do.	1933	610	22	702 735 255 365	6 55 30 65
247	do.	Pan American Refining Co. Well 3	do.	1934	965	12	466 655	117 43
248	$2\frac{1}{2}$ miles southwest	Pan American Refining Co. Well 6	do.	1936	1,000	12	775 820 770 810	35 140 20 190
249	$2\frac{3}{4}$ miles southwest	Pan American Refining Co. Well 7	do.	1936	1,024	12	772 860	31 170
250	$2\frac{1}{2}$ miles southwest	Pan American Refining Co. Well 4	do.	1934	974	12	665 860	155 90
251	do.	Pan American Refining Co. Well 5	do.	1934	965	12	662 795 865	43 30 100
252	$2\frac{3}{4}$ miles southwest	Pan American Refining Co. Well 8	do.	1937	1,000	12	820	160
253	$3\frac{1}{4}$ miles west	T. S. George	H. H. Ellis	1938	113	2	--	--
254	$3\frac{3}{4}$ miles west	W. E. Smith	J. Anezan	1930	104	3	--	--
255	$4\frac{3}{4}$ miles west	H. P. Broderson	H. P. Broderson	1938	50	3	35	15
256	$4\frac{1}{4}$ miles west	-- Copelus	--	--	100	4	--	--
257	In Lamarque	W. P. Sweeney $3\frac{3}{4}$ miles west	--	1918	85	4	--	--
258	In Lamarque	P. H. Naschke $3\frac{1}{2}$ miles west	Fred Conklin	1930	750	6	--	--
259	In Lamarque	R. R. Armstrong $3\frac{1}{4}$ miles west	--	1938	202	2	--	--
260	In Lamarque	Houston Light & Power Co. 4 miles west	H. H. Ellis	1939	520	4	506	14

No.	Height of benchmark above ground (ft.) a/	Water level		Method of lift b/	Use of water c/	Remarks
		Below bench mark (ft.)	Date of measure- ment			
243	1.6	69.6	July 19, 1939	A,G	Ind	Casing: 465 feet of 16-inch and 801 feet of 8-inch with 465-foot lap into 16-inch, screens set from 486 to 510, 555 to 601, 617 to 627, 707 to 730 and 752 to 785 feet.
		76.6	Aug. 7, 1941			
244	3.1	71.7	Feb. 21, 1939	N	N	Casing: 788 feet of 6-inch; See log. screens set from 564 to 581 and 738 to 781 feet. See log.
		75.9	Aug. 7, 1941			
245	--	--	--	I,E	Ind	Casing: 475 feet of 16-inch and 812 feet of 8-5/8-inch with 475 foot lap into 16-inch; screens set from 462 to 498, 568 to 578, 605 to 618, 651 to 680, 697 to 707,
246	--	--	--	I,E	Ind	Casing: and 731 to 784 feet. See log. 260 feet of 22-inch and 397 feet of 13-inch; screens set from 261 to 283, 300 to 431, 470 to 491 and 546 to 586 feet. See
247	--	--	--	I,E	Ind	Casing: 965 feet of 12-inch; log. screens set from 682 to 703, 795 to 817,
248	3.2	55.8	July 28, 1939	I,E	Ind	Casing: 1,000 880 to 938 feet. See log. feet of 12-inch; screens set from 780 to 800, 820 to 840 and 863 to 990 feet. See log.
		68.7	Aug. 11, 1941			
249	--	--	--	I,E	Ind	Casing: 1,025 feet of 12-inch; screen set from 756 to 1,018 feet. See log.
250	--	--	--	I,E	Ind	Casing: 950 feet of 12-inch; screens set from 645 to 705, 800 to 825 and 888 to
251	--	--	--	I,E	Ind	Casing: 965 feet of 934 feet. See log. 12-inch; screens set from 672 to 697, 794 to 825 and 888 to 936 feet. See log.
252	2.8	56.1	Mar. 7, 1939	I,E	Ind	Casing: 1,000 feet of 12-inch; screen set from 820 to 990 feet. See log.
		88.3	Aug. 11, 1941			
253	--	--	--	E	D	Casing: 100 feet of 2-inch; screen set from 100 to 113 feet.
254	1.0	15.5	Apr. 14, 1939	E	D	Casing: 104 feet of 3-inch.
255	0.7	6.5	Apr. 17, 1939	E	D	Casing: 35 feet of 3-inch. Water reported in fine-grained red sand.
256	1.7	18.7	do.	W	D	
257	1.1	9.1	Apr. 14, 1939	H,G	D	Casing: 85 feet of 4-inch.
258	--	--	--	G	D	Water reported in coarse-grained gray sand. Twenty-five feet of screen at
259	1.0	16.9	Apr. 14, 1939	E	D	bottom.
260	--	--	--	E	D	Casing: 52 feet of 4-inch and 458 feet of 2-inch; screen set from 510 to 520 feet. Water reported in coarse-grained gray sand.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
261	In Alta Loma	F. A. Bartlett	F. A. Bartlett	1929	120	4	--	--
262	do.	City of Galveston Well 1	Layne-Texas	1914	840	24	715	102
263	do.	City of Galveston Well 6	do.	1922	850	12	744	100
264	do.	City of Galveston Well 7	do.	1927	843	24	698	141
265	do.	City of Galveston Well 2	do.	1914	855	16	721 762	32 83
266	$\frac{1}{4}$ mile southeast	City of Galveston Well 3	do.	1916	866	12	727	133
267	$\frac{1}{8}$ mile southeast	City of Galveston Well 4	do.	1916	873	24	712	145
268	$\frac{3}{4}$ mile southeast	City of Galveston Well 5	do.	1916	888	12	705	167
269	In Alta Loma	City of Galveston Well 2-S	--	1893- 1894	793	7	50	43
270	do.	City of Galveston Well 4-S	--	1893- 1894	868	7	750	128

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller; either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment			
261	--	--	--	W	D,S	
262	2.5	52.4	June 21, 1939	I,E	P	Casing: 80 feet of 24-inch and 759 feet of 12-inch; screen set from 713 to 815 feet. Water level, 10 feet below surface
263	1.8	--	June 24, 1939	I,E	P	Casing: 850 feet of [in 1914. <u>d/</u> See log. 12-inch; screen from 744 to 844 feet.
264	1.6	49.4	do.	I,E	P	Casing: 151 feet of 24-inch, and 162 feet of 17-inch with 12-foot lap into 24-inch, and 699 feet of 12-inch with 18-foot lap into 17 and 24-inch; screen set from 739 to 840 feet. Water level, 28.5 feet below surface in 1927. <u>d/</u> See log.
265	2.8	50.0	--	I,E	P	Casing: 80 feet of 6-inch and 775 feet of 12-inch; screens set from 724 to 754 and 762 to 846 feet. Water level, 32 feet below surface in 1927. <u>d/</u> See log.
266	2.8	--	--	I,E	P	Casing: 866 feet of 12-inch; screen set from 723 to 856 feet. Water level, 14 feet below surface in 1916. <u>d/</u> See log.
267	1.8	50.1	June 24, 1939	I,E	P	Casing: 90 feet of 24-inch and 783 feet of 12-inch; screen set from 714 to 857 feet. Water level, 14 feet below surface
268	2.1	--	--	I,E	P	Casing: 888 feet [in 1916. <u>d/</u> See log. of 12-inch; screen set from 714 to 867 feet. Water level, 14 feet below surface
269	0	1.6	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 7-foot [in 1916. <u>d/</u> See log. pit, 750 feet of 7-inch; same set from 757 to 799 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude 21.96 feet. See log.
		7.1	Aug. 25, 1911 <u>g/</u>			
	2.0	37.0	Sept. 23, 1932			
	1.4	50.6	June 24, 1939			
270	0	2.6	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 7-foot pit, 750 feet of 6-inch; screen set from 750 to 790 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude at well, 22.93 feet. See log.
		7.3	Aug. 25, 1911 <u>g/</u>			
		13.4	Jan. 19, 1914			
	5	36.4	Sept. 23, 1932			
	2.3	51.8	June 24, 1939			
		82.0	Aug. 9, 1941			

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Principal water- bearing bed	
							Depth to top of bed (ft.)	Thick- ness (ft.)
271	In Alta Loma	City of Galveston Well 6-S	--	1893- 1894	805	7	757	48
272	do.	City of Galveston Well 8-S	--	1893- 1894	809	7	756	53
273	$\frac{1}{2}$ mile south	City of Galveston Well 14-S	--	1893- 1894	800	7	756	44
274	do.	City of Galveston Well 16-S	--	1893- 1894	838	7	755	83
275	$\frac{3}{4}$ mile south	City of Galveston Well 18-S	--	1893- 1894	800	7	755	45
276	$1\frac{1}{4}$ miles south	City of Galveston Well 24-S	--	1893- 1894	844	7	--	--

No.	Height of benchmark		Water level		Method of lift	Use of water	Remarks
	above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
271	0-		1.7	Dec. 10, 1907	f/	N	Casing: 7-foot pit, 750 feet of 7-inch; screen set from 757 to 797 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude at well 22.62 feet.
			5.4	Aug. 25, 1911			
	2		34.7	Sept. 23, 1932			
	1.1		50.5	June 24, 1939			
			79.1	Aug. 9, 1941			
272	0		2.9	Dec. 10, 1907	f/	N	Casing: 6-foot pit, 750 feet of 7-inch; screen set from 756 to 796 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude at well 23.37 feet.
			5.7	Aug. 25, 1911			
	7		38.8	Sept. 23, 1932			
	4.3		51.7	June 24, 1939			
273	0		0.5	Dec. 10, 1907	f/	N	Casing: 6-foot pit, 750 feet of 7-inch; screen set from 756 to 796 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude at well 23.00 feet.
			3.4	Aug. 25, 1911			
			11.4	Jan. 10, 1914			
	2.0		30.0	Oct. 23, 1932			
	1.3		49.6	June 24, 1939			
			71.4	Aug. 9, 1941			
274	0		+1.2	Dec. 10, 1907	f/	N	Casing: 6-foot pit, 750 feet of 7-inch; screen set from 755 to 795 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Screen plugged at present. Approximate altitude at well 22.37 feet.
			2.0	Aug. 25, 1911			
	6.0		27.4	Sept. 23, 1932			
275	0		+1.4	Dec. 10, 1907	f/	N	Casing: 5-foot pit, 750 feet of 7-inch; screen set from 755 to 795 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Screen plugged at present. Approximate altitude at well 22.74 feet.
			2.0	Aug. 25, 1911			
			7.7	Jan. 10, 1914			
	4.0		27.8	Sept. 23, 1932			
276	0		+2.1	Dec. 10, 1907	f/	N	Casing: 6-foot pit, 750 feet of 7-inch; screen set from 756 to 796 feet. Water level reported 26 feet above surface in 1893-94. <u>f/</u> Approximate altitude at well 22.12 feet.
			0.3	Aug. 25, 1911			
	6.5		28.8	Sept. 23, 1932			
	0.6		47.0	June 24, 1939			
			62.3	Aug. 9, 1941			

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
277	2 miles southwest	-- Friday	--	--	--	2	--	--
278	1 $\frac{3}{4}$ miles south	Mrs. H. Huntington	Frank Schultz	1920	38	3	--	--
279	1 $\frac{1}{4}$ miles south	N. J. Morena	Ed Metzler	1912	120	3	--	--
280	do.	N. S. Norris	Fred Conklin	1907	118	4	--	--
281	$\frac{1}{2}$ mile south	C. R. Platzter	C. R. Platzter	1910	34	2	--	--
282	do.	H. E. Stobart	H. E. Stobart	--	700	6	--	--
283	2 miles southeast	James Balcher	Louis Cange	1894	720	4 $\frac{1}{4}$	--	--
284	2 $\frac{1}{2}$ miles southeast	W. F. Reitmeyer	J. Tacquard	1888	728	4	--	--
285	do.	do.	do.	1887	410	2	--	--
286	do.	A. Cook	do.	Old	720	6	--	--
287	2 $\frac{3}{4}$ miles southeast	H. L. Roberts	do.	1911	720	6	--	--
288	do.	do.	Louis Cange	1889	720	3	--	--
289	5 $\frac{3}{8}$ miles southeast	Fred Johnson	do.	1924	260	5	220	40
290	do.	Charles Shiro	--	--	720	3	--	--
291	3 $\frac{3}{4}$ miles southeast	Hitchcock Ice & Fuel Co.	Bob Conklin	1922	720	6	700	20
292	4 $\frac{1}{2}$ miles southeast	Dora Pella	J. Anezan	--	97	3	--	--
293	In Hitchcock	L. Schanzer	Louis Cange	1928	208	4	163	45
294	do.	H. L. Roberts	J. Tacquard	1911	710	4	--	--
295	do.	Santa Fe R.R.	Fred Standard	1913	689	8	635	54
296	do.	do.	J. L. Mayes	1891	726	6	711	15
297	do.	Charles Schiro	J. Tacquard	1911	720+	6	--	--

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
277	--	--	--	--	H	D	
278	0.8		3.2	June 18, 1939	G	D,S	
279	0.2		9.4	do.	H	D,S	
280	--	--	--	--	H	D,S	
281	--	--	--	--	W	D,S	
282	0		28.5	Nov. 2, 1932	W	D,S	Flowed when drilled <u>d/</u> .
283	2		13.3	Sept. 23, 1932	N	N	Filled at 66 feet.
			26.6	Jan. 27, 1939			
284	--	--	--	--	G	D,S	Water level, 15 feet above surface in 1907-08. <u>f/</u>
285	--	--	--	--	H	S	Flowed 15 gallons a minute in 1907-08. <u>f/</u>
286	0.5		12.4	Sept. 23, 1932	W	N	Flowed 100 gallons a minute in 1907-08. <u>f/</u> Casing probably leaks at shallow depth.
287	2.0		16.0	Sept. 22, 1932	H	D,S	
288	1.0		4.3	Sept. 22, 1932	G	D,S	Flowed 30 gallons a minute in 1907-08. <u>f/</u> Casing probably leaks at shallow depth.
	0.8		5.1	Feb. 3, 1939			
289	1.0		2.7	Sept. 22, 1932	H	D,S	Casing: 235 feet of 4-inch.
			4.2	Apr. 12, 1939			
290	--	--	--	--	W	D,S	
291	0.6		23.0	Feb. 24, 1939	N	N	
292	--	--	--	--	--	--	Filled when visited in 1939.
293	0.9		9.7	Apr. 11, 1939	E	D,S	Casing: 163 feet of 4-inch. Water level, 5 feet below surface in 1927. <u>d/</u>
294	--	--	--	--	E	D	Salt water encountered at 1,100 feet in nearby test well.
295	1		38.1	Feb. 2, 1939	E	D,RR	Casing: 616 feet of 8-inch and 79 feet of 6-inch with 7-foot lap into 8-inch; screen set from 637 to 688 feet. See log.
			54.5	Aug. 13, 1941			
296	--	--	--	--	--	--	Other water-bearing sands at 18 to 26, 408 to 423 and 678 to 692 feet. Had flow of 66 gallons a minute in 1907-08. <u>f/</u>
297	0.5		12.5	Sept. 22, 1932	W	S	Filled when visited in 1939.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
298	In Hitchcock	J. A. Bret	Louis Cange	1932	40	4	--	--
	$4\frac{1}{2}$ miles southeast							
299	$4\frac{1}{2}$ miles southeast	R. T. Wheeler	do.	1889	720	3	700	20
300	5 miles southeast	Chris Jensen	do.	1889	500	3	--	--
301	$4\frac{1}{2}$ miles southeast	J. Hacker	do.	1889	763	2	--	--
302	$4\frac{1}{2}$ miles southeast	Joe Tarrasso	do.	1928	790	4	--	--
303	$3\frac{3}{4}$ miles southeast	Fred Lempke	do.	1895	695	3	--	--
304	$3\frac{1}{2}$ miles southeast	H. Schoeffler	--	--	252	2	--	--
305	5 miles southwest	H. G. Tacquard	Louis Cange	--	450+	4	--	--
306	8 miles south	Coon Well 1	Texas Co.	1925	1,100	--	--	--
307	7 miles southeast	A. L. Moller	Louis Cange	1909	913	3	--	--
308	$5\frac{1}{4}$ miles southeast	J. D. Hughes	--	1926	120	2	--	--
309	$7\frac{1}{4}$ miles southeast	A. L. Moller	L. Patterson	1932	240	6	--	--
310	$\frac{1}{2}$ mile north	Joe Tromballe	S. Mosso	--	150	4	--	--
311	$\frac{1}{2}$ mile northwest	L. M. Still	do.	1938	102	$2\frac{1}{2}$	88	22
312	$\frac{1}{2}$ mile west	Alta Loma School District	--	1938	110	4	--	--
313	In Alta Loma	C. E. Lohec	--	1908	132	3	--	--
314	do.	B. L. Millard	Bob Conklin	1935	32	3	28	4
315	$1\frac{1}{4}$ miles east	A. L. Moller	A. L. Moller	1938	104	4	92	12
316	$3\frac{3}{4}$ miles east	E. H. Mitchell	--	--	100	$2\frac{1}{2}$	--	--
317	$4\frac{3}{4}$ miles east	Tom Prets	John Anezan	1929	104	3	100	4
318	$3\frac{3}{4}$ miles east	Mrs. -- Moore	--	--	16	3	--	--
319	5 miles southeast	W. D. Hayden	-- Ware	1938	547	4	--	--

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measurement	Method of lift b/	Use of water c/	Remarks
298	--	--	--	H	D,S	
299	--	--	--	--	--	Water level rose 30 to 35 feet above surface in 1889. Filled when visited in 1939.
500	0	10.9	Sept. 22, 1932	N	N	Flowed 40 gallons a minute in 1907-08. f/
	0.4	21.5	May 9, 1939			Casing probably leaks at shallow depth.
301	3.0	5.9	Sept. 22, 1932	W	D,S	Flowed 35 feet above surface when drilled d/. Flowed 60 gallons a minute in 1907-08. f/
	0	27.6	Apr. 25, 1939			
302	0	26.7	Sept. 22, 1932	E	D,S,I	
	1	34.8	July 19, 1939			
303	0.5	9.5	Sept. 22, 1932	--	--	Water level, 32 feet above surface in 1893 e/. Filled at 14 feet when visited
304	--	--	--	G	D,S	in 1939.
305	--	--	--	N	N	Occasionally flows.
306	--	--	--	--	--	Oil test. See driller's log.
307	--	--	--	W	S	Estimated flow of 25 gallons a minute at ground level, September 22, 1932. Screen set from 893 to 913 feet. Casing probably
308	--	--	--	W	S	leaks at shallow depth.
309	2.3	2.3	Dec. 21, 1938	N	S	Flows. Supplied water for drilling oil test.
310	1.1	9.2	Apr. 26, 1939	A,G	I	
311	--	--	--	E	D,S	Water reported in fine-grained white sand.
312	0.2	18.9	Jan. 18, 1939	E	P,S	Water reported in fine-grained sand. Supplies water for school.
313	0.6	7.7	Dec. 20, 1938	E	D	
314	0.5	2.3	Jan. 25, 1939	E	D	
315	0.4	4.2	Dec. 20, 1938	N	N	Casing: 92 feet of 4-inch. Water reported in fine-grained gray sand.
316	0	5.8	Apr. 26, 1939	H	D,S	
317	--	--	--	W	D,S	Water reported in fine-grained white sand.
318	1.0	8.0	Apr. 26, 1939	H	--	
319	--	--	--	A,E	D,I	Casing: 520 feet of 4-inch.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
320	4 $\frac{3}{4}$ miles east	Galveston Memorial Park	J. B. Johnson	1938	510	2 $\frac{1}{2}$	--	--
321	2 $\frac{3}{4}$ miles east	J. M. Tacquard	J. M. Tacquard	1933	105	2 $\frac{1}{2}$	98	7
322	1 $\frac{3}{4}$ miles southeast	John Ghino	Louis Cange	1924	108	4	89	19
323	1 $\frac{1}{4}$ miles southwest	H. Sayko	H. Sayko	1937	40	3	--	--
324	2 miles southeast	W. R. Jacob	W. R. Jacob	--	32	2 $\frac{1}{2}$	32	--
325	2 $\frac{3}{4}$ miles southeast	C. Tacquard	C. Tacquard	1938	35	2	35	1
326	4 miles southeast	Alfred Henckel	Nick Altemus	1931	711	3	693	18
327	4 $\frac{3}{4}$ miles east	Louis Debb	--	--	19	2	--	--
328	5 miles east	S. J. Mosso	S. J. Mosso	1937	210	2 $\frac{1}{2}$	180	30
329	do.	Steve Chuck	-- Conklin	--	700	5	--	--
330	do.	Mrs. L. Savage	A. L. Moller	1938	205	2 $\frac{1}{2}$	--	--
331	5 miles southeast	A. L. Foster	A. L. Foster	1922	35	1 $\frac{1}{2}$	33	2
332	3 $\frac{3}{4}$ miles southeast	N. Cambinos	--	--	196+	4	--	--
333	3 $\frac{1}{4}$ miles southeast	Andrew Manola	Andrew Manola	1936	90	4	85	5
334	2 $\frac{1}{2}$ miles southeast	J. R. Weigel	J. R. Weigel	1938	40	4	30	10
335	3 $\frac{3}{4}$ miles southwest	A. L. Moller	A. L. Moller	1938	109	4	98	11
336	3 miles southeast	Maco Stewart	Louis Cange	1895?	235+	10	--	--
337	do.	do.	do.	1895?	800+	6	--	--
338	4 miles southeast	N. F. Robinson	S. Mosso	--	135	--	120	20
339	do.	W. D. Jackson	W. D. Jackson	1938	18	4	--	--
340	3 $\frac{3}{4}$ miles southeast	W. H. Crothers	W. H. Crothers	--	35	3	--	--
341	3 $\frac{1}{4}$ miles south	John Fuerst	John Fuerst	1918	28	3	--	--
342	5 $\frac{3}{4}$ miles southeast	A. L. Moller	A. L. Moller	1936	60	4	--	--
343	do.	do.	do.	1933	190	4	190	20
344	5 miles southwest	A. C. Tacquard	--	1874	42	4	--	--

No.	Height of Water level		Date of measure- ment	Method of lift b/	Use of water c/	Remarks
	benchmark above ground (ft.) a/	Below bench- mark (ft.)				
320	--	--	--	E	I	
321	0.8	6.6	May 12, 1939	E	D,S	Casing: 98 feet of 2½-inch. Water re- ported in fine-grained white sand.
322	--	--	--	A,G	D,S	Casing: 80 feet of 4-inch.
323	0.1	2.0	Jan. 26, 1939	W	D,S	Casing: 20 feet of 3-inch.
324	2.1	3.3	Jan. 19, 1939	H	D	Casing: 24 feet of 2½-inch.
325	0.2	1.9	Feb. 2, 1939	H	D	Casing: 26 feet of 2-inch. Shell bed re- ported at 19 feet.
326	--	--	--	A,E	D	Casing: 693 feet of 3-inch; screen set from 693 to 710 feet. See log.
327	2.0	6.7	Feb. 24, 1939	E	D,S	
328	0.1	1.1	Mar. 8, 1939	N	N	Casing: 176 feet of 2½-inch.
329	1.7	4.1	do.	N	N	Casing probably leaks at shallow depth. Flowed until 1922.
330	0.3	8.0	Mar. 11, 1939	E	D	
331	--	--	--	H	D,S	Casing: 33 feet of 1½-inch. Water re- ported in fine-grained white sand.
332	0.4	5.0	Feb. 10, 1939	G	D,S,I	Casing: 190 feet of 4-inch. Irrigates 1-acre truck garden.
333	--	--	--	H	D,S	Casing: 86 feet of 4-inch.
334	2.0	3.1	Jan. 19, 1939	H	D,S	Casing: 20 feet of 4-inch.
335	--	--	--	W	S	Casing: 98 feet of 4-inch.
336	1.1	10.8	Apr. 12, 1939	N	N	
337	0.7	38.6 52.3	Apr. 12, 1939 Aug. 1, 1941	N	N	Formerly flowed. Known as Well Pond well.
338	0.6	8.0	Feb. 10, 1939	W	D	
339	2.3	3.6	do.	H	D,S	Casing: 12 feet of 4-inch.
340	--	--	--	G	D,S	
341	2.2	3.9	Jan. 19, 1939	H	D,S	
342	--	--	--	W	S	
343	0.2	0.2	Dec. 21, 1938	N	N	Occasionally flows.
344	3.1	1.3	Jan. 19, 1939	W	D,S	

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
345	4 $\frac{3}{4}$ miles south	J. D. Hughes	--	1938	60	2	--	--
346	do.	do.	--	1931	80	2	--	--
347	5 $\frac{1}{2}$ miles south	do.	--	1938	45	2	--	--
348	6 $\frac{1}{4}$ miles south	do.	--	1926?	180	2	--	--
349	6 $\frac{3}{4}$ miles south	do.	Louis Cange?	1895?	900+	6	--	--
350	7 $\frac{1}{2}$ miles south	do.	J. D. Hughes	1939	60	2	--	--
351	5 $\frac{1}{2}$ miles southeast	R. S. Wesmorland	Louis Cange	1929	533	6	--	--
352	6 $\frac{1}{4}$ miles southeast	R. E. Meisterhans	--	1932	30	2	--	--
353	5 $\frac{3}{4}$ miles southeast	J. H. Perthuis	Louis Cange	1895	495	3	--	--
354	do.	do.	do.	1893	235	3	--	--

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
355	3 $\frac{1}{2}$ miles west	P. H. Naschke	Bob Conklin	1931	710	8	670	40
356	3 $\frac{1}{2}$ miles southwest	R. L. Whitburn	John Anezan	1930	117	3	--	--
357	do.	Texas City National Bank	Layne-Texas	1913	1,009	8	936	73
358	1 mile southwest	Pan-American Ref. Company	do.	1920	993	10	704 900	31 93
359	do.	Southport Pet. Company	--	1908	970	6	--	--
360	do.	do.	--	1919	1,030	10	--	--
361	do.	do.	--	1919	1,030	8	--	--
362	do.	do.	--	1907	--	--	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measure- ment	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
345	--	--	--	W	S	
346	--	--	--	W	S	
347	--	--	--	W	S	
348	--	--	--	W	S	
349	1.1	20.1	May 2, 1939	N	N	Flowed until 1937.
350	--	--	--	W	S	
351	1.6	25.3	Apr. 25, 1939	H	L	Casing: 200 feet of 6-inch and 293 feet of 4-inch; screen set from 493 to 533 feet. Water level reported 1.5 feet below surface when drilled. <u>d/</u>
		29.3	Aug. 1, 1941			
352	--	--	--	--	--	Caved.
353	--	--	--	A,G	D,S,I	Water level 18 feet above surface when drilled. <u>d/</u>
354	--	--	--	A,G	D,S,I	

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measure- ment	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
355	--	--	--	--	--	Filled when visited in 1939.
356	2.0	9.4	Sept. 21, 1932	H	D	
	0.7	9.9	July 19, 1939			
357	0.0	30.0	Apr. 14, 1939	N	N	Flow estimated at 5 gallons an hour on October 12, 1931. See log.
		26.5	Aug. 1, 1941			
358	--	--	--	--	--	Casing: 98 feet of 10-inch, 891 feet of 6-inch and 43 feet of 4-inch. See log.
359	2.6	27.0	Aug. 6, 1941	N	N	Old Sinclair Refining Company Well 1.
360	--	--	--	I,E	Ind	Old Sinclair Refining Company Well 3.
361	4.8	22.5	Aug. 6, 1941	N	N	Old Sinclair Refining Company Well 2.
362	--	--	--	--	N	Old Sinclair Refining Company Well 4.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County. --, Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
363	4 $\frac{1}{4}$ miles southwest	Texas Hwy. Dept.	Louis Cange	1916	185	--	--	--
364	4 miles southwest	R. J. Powers	-- Whittington	--	50+	6	--	--
365	5 miles west	Louis Margo, Jr.	Louis Margo, Jr.	1925	37	3	37	1+
366	4 $\frac{1}{4}$ miles west	D. M. Barry	S. Mosso	1935	104	--	--	--
367	3 $\frac{1}{2}$ miles southwest	Pauls Union Church	John Anezan	1933	104	3	--	--
368	4 $\frac{1}{2}$ miles west	Harry Adkins	-- Frost	1938	100	2	--	--
369	6 miles west	-- Benedict	H. H. Ellis	--	175	2	--	--
370	5 $\frac{1}{2}$ miles west	W. Perthuis	P. Clark	1918	260	4	--	--
371	5 miles west	F. C. M. Greb	F. C. M. Greb	1918	50	4	50	1+
372	4 $\frac{1}{2}$ miles southwest	A. L. Gates	Merle Pretty	1938	100	2	90	10+
373	4 $\frac{1}{4}$ miles southwest	J. M. Brown	John Anezan	1933	128	4	124	3
374	3 $\frac{1}{2}$ miles southwest	E. H. Schwab	W. Frost	1938	123	2	--	--
375	3 $\frac{1}{4}$ miles southwest	Tom George	L. A. Ostermeyer	1928	32	4	22	10
376	5 $\frac{1}{2}$ miles west	D. Perthuis	F. H. Wedemeyer	1917	35	5	30	5+
377	5 $\frac{1}{4}$ miles southwest	-- Larche	--	1927	506	6	--	--
378	3 $\frac{1}{4}$ miles southwest	Leo Morovich	--	--	110	--	--	--
379	5 $\frac{1}{2}$ miles southwest	Geo. David	--	--	48	2 $\frac{1}{2}$	--	--
380	6 $\frac{1}{4}$ miles southwest	Fairwood Well	Louis Cange	1892?	576	3	576	--
381	5 $\frac{1}{4}$ miles southwest	Stewart Prod. Co.	L. Patterson	1937	773	6	734	39
382	4 $\frac{1}{2}$ miles southwest	do.	Shell Pet. Co.	--	794	8	--	--
383	3 miles southwest	Royal Inn	--	--	97	3	--	--
384	3 $\frac{1}{4}$ miles south	A. L. Moller	--	--	100	4	--	--

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measure-ment	Method of lift b/	Use of water c/	Remarks
363	3.0	3.0	Dec. 14, 1938	N	N	Well under present highway but piped to concrete tank on south side of highway.
364	--	--	--	--	--	Filled when visited in 1939.
365	1.0	9.3	Apr. 17, 1939	W	S	Casing: 37 feet of 3-inch. Water reported in fine-grained red sand.
366	0.4	12.4	do.	E	D	Casing: 104 feet. Water reported in fine-grained gray sand.
367	--	--	--	E	D	Water reported in fine-grained gray sand.
368	0.7	11.5	Apr. 18, 1939	E	D	Casing: 100 feet of 2-inch.
369	--	--	--	H	D	
370	1.2	3.2	Apr. 25, 1939	W	D,S	
371	0.3	6.4	Apr. 18, 1939	E	D,S	Casing: 50 feet of 4-inch. Water reported in fine-grained red sand.
372	--	--	--	E	D	Casing: 90 feet of 4-inch. Water reported in fine-grained white sand.
373	0.6	13.3	Apr. 18, 1939	E	D,S	Casing: 124 feet of 4-inch. Water reported in fine-grained white sand.
374	0.8	10.4	Apr. 14, 1939	E	D,S	Casing: 123 feet of 2-inch.
375	0.3	4.7	do.	E	D	Casing: 22 feet of 4-inch. Water reported in fine-grained red sand.
376	--	--	--	H	D,S	Casing: 30 feet of 5-inch wood.
377	1.3	28.0	Apr. 25, 1939	N	N	Supplied water for drilling oil test.
	1.9	31.7	Aug. 4, 1941			
378	3.6	10.4	Apr. 14, 1939	--	--	
379	1.3	7.7	Apr. 25, 1939	H	D,S	
380	1.4	25.1	Feb. 10, 1939	N	N	Flowed 52 gallons a minute in 1907-08. f/
		30.7	Aug. 1, 1941			
381	3.4	26.3	Jan. 11, 1939	NG	D,O	Casing: 78 feet of 6-inch and 695 feet of 4-inch; screen set from 734 to 773 feet. See log.
	7.3	60.9	Aug. 12, 1941			
382	1.1	25.3	Jan. 25, 1939	N	N	Casing: 118 feet of 8-inch and 676 feet of 6-inch; screen set from 753 to 794 feet.
		47.5	Aug. 1, 1941			
383	1.3	5.9	Apr. 14, 1939	E	D,P	
384	--	--	--	W	S	

Records of wells and springs in Galveston County -- Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
385	3 $\frac{3}{4}$ miles southwest	A. L. Moller	A. L. Moller	1938	95	4	80	15
386	4 miles southwest	R. S. Powers	S. Mosso	1937	257	3	249	8
387	do.	O. E. Van Notrick	do.	1938	240	4	--	--
388	4 $\frac{1}{2}$ miles southwest	A. L. Moller	A. L. Moller	1938	102	4	80	22
389	do.	do.	do.	1938	215	4	205	10+
390	4 $\frac{1}{4}$ miles south	do.	do.	1938	190	4	185	5+
391	6 $\frac{1}{2}$ miles southwest	do.	do.	1938	245	4	230	15

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
392	6 $\frac{1}{4}$ miles south	J. D. Hughes	Homer Wright	1936	869	7	458 537 754	21 45 115
393	do.	do.	do.	1935	643	8	94 560 586 609	34 14 15 31
394	do.	do.	do.	1936?	629	4	535 586 609	45 18 20
395	7 $\frac{1}{4}$ miles southeast	Houston Farms & Development Co. Well 2	do.	1938	922	6	840	82
396	7 $\frac{3}{8}$ miles southeast	Houston Farms & Development Co. Well 1	do.	1938	923	7	794	129
397	8 $\frac{1}{2}$ miles south	J. D. Hughes	J. D. Hughes	--	180	4	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of		Water level		Method	Use	Remarks
	benchmark	Below	Date of	measure-			
	above	bench	measure-	ment	of	of	
	ground	mark	ment	lift	water		
	(ft.)	a/	(ft.)	b/	c/		
385	--	--	--	W	S		Casing: 80 feet of 4-inch. Water reported in fine-grained gray sand.
386	1	3.3	Dec. 14, 1938	E	D,P		Casing: 249 feet of 3-inch; screen set from 249 to 257 feet.
387	1.1	3.2	Jan. 11, 1939	E	D,P		
388	--	--	--	W	S		Casing: 80 feet of 4-inch.
389	--	--	--	W	S		Casing: 205 feet of 4-inch. Water reported in fine-grained sand. Occasionally
390	--	--	--	W	S		Casing: 180 feet of 4-inch. flows.
391	--	--	--	W	S		Casing: 224 feet of 4-inch.

No.	Height of		Water level		Method	Use	Remarks
	benchmark	Below	Date of	measure-			
	above	bench	measure-	ment	of	of	
	ground	mark	ment	lift	water		
	(ft.)	a/	(ft.)	b/	c/		
392	--	--	--	NG	O		Casing: 534 feet of 7-inch and 462 feet of 4-inch with 128-foot lap into 7-inch; screens set from 458 to 479, 537 to 580, and 754 to 867 feet. Supplied water for drilling oil test. See log.
393	3.2	Flows	Jan. 16, 1939	N	N		Casing: 123 feet of 8-inch and 464 feet of 4-inch with 27-foot lap into 8-inch; screens set from 112 to 128 and 565 to 640 feet. Supplied water for drilling
394	8.6	5.7	do.	N	N		Casing: 550 feet of oil test. See log. 4-inch; screen set from 548 to 629 feet. Supplied water for drilling oil test. See
395	3.7	14.8	Jan. 16, 1939	N	N		Casing: 507 feet of 6-inch and 389 log. feet of 4-inch with 37-foot lap into 6-inch; screen set from 859 to 922 feet. Supplied water for drilling oil test. See
396	7.9	19.2	Jan. 16, 1939	N	N		Casing: 424 feet of 7-inch and 409 log. feet of 5-inch with 30-foot lap into 7-inch; screens set from 804 to 827 and 873 to 923 feet. See log.
397	--	--	--	W	S		

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County -- Continued:

No.	Distance from Galveston	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
401	Galveston, end of Causeway	Galveston Wharf Company	Layne-Texas	1928	1,498	--	126 332 734	147 59 32
402a	Galveston, 19th St. & Ave. G	City of Galveston	--	Prior 1893	840	--	1,028 1,335 1,423	178 44 68
402b	Galveston, 21st St. & Ave. G	do.	--	Prior 1893	835	--	840 835	-- --
402c	Galveston, 23rd St. & Ave. G	do.	--	Prior 1893	830	--	830	--
402d	Galveston, 25th St. & Ave. G	do.	--	Prior 1893	840	--	840	--
402e	Galveston, 28th St. & Ave. G	do.	--	Prior 1893	835	--	835	--
402f	Galveston, 30th St. & Ave. G	do.	--	Prior 1893	820	--	820	--
402g	Galveston, 32nd St. & Ave. G	do.	--	Prior 1893	810	--	810	--
402h	Galveston, 35th St. & Ave. G	do.	--	Prior 1893	830	--	830	--
402i	Galveston, 37th St. & Ave. G	do.	--	Prior 1893	826	--	826	--
402j	Galveston, 41st St. & Ave. G	do.	--	Prior 1893	819	--	819	--
402k	Galveston, 43rd St. & Ave. G	do.	--	Prior 1893	965	--	965	--
402l	Galveston, 45th St. & Ave. G	do.	--	Prior 1893	973	--	973	--
403	Galveston, 17th St. & Ave. G	do.	--	1892?	1,346	--	840 1,346	-- --
404	Galveston, between 30th and 31st Sts. & G & H Aves.	do.	Galveston Artesian Well Co.	1893	3,070	26	--	--
405	Galveston, 41st St. & Ave. G	Galveston Rice Milling Co.	--	--	1,300+	--	--	--
406	Galveston, 33rd St. & Ave. F	Galveston-Houston Brewing Co.	Layne-Texas	1911	1,335	10	759 1,124 1,194	49 19 143

- a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.
- b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.
- c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of Water level		Date of measurement	Method of lift	Use of water	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)				
401	--	--	--	N	N	Water from each horizon was tested and found to be salty. Best water was found at 332 to 402 feet. Well filled and
402a	0.8	9.8	Aug. 8, 1941	N	N	Flowed 52 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402b	--	--	--	--	--	Flowed 84 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402c	0	6.3	Aug. 8, 1941	N	N	Flowed 35 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402d	--	--	--	--	--	Flowed 28 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402e	--	--	--	--	--	Flowed 58 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402f	1.4	4.7	Aug. 8, 1941	N	N	Flowed 74 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402g	--	--	--	--	--	Flowed 59 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402h	--	--	--	--	--	Recharge into this well when visited. Flowed 72 gallons a minute. August 8, 1941. Formerly used for Galveston City water supply. Records from Singley. e/
402i	--	--	--	--	--	Flowed 82 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402j	--	--	--	--	--	Flowed 52 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402k	--	--	--	--	--	Flowed 241 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
402l	--	--	--	--	--	Flowed 380 gallons a minute. Formerly used for Galveston City water supply. Records from Singley. e/
403	0	16.8	Aug. 8, 1941	N	N	Original flow was 425 gallons a minute. Record from Singley. e/
404	2.0	15.8	do.	N	N	Test well for better supply but driller's record states water was saltier at each succeeding horizon. Each water horizon had flow. Record from Singley. e/
405	--	--	--	N	N	Filled and abandoned. See log.
406	--	--	--	I, E	Ind	Casing: 1,334 feet of 10-inch; screens set at 764 to 805, 1,119 to 1,140, and 1,207 to 1,326 feet. See log.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County -- Continued

No.	Distance from Galveston	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
407	Galveston, Santa Fe Shops	Gulf, Colorado & Santa Fe R.R.	--	1887	797	12	755	42
408	Galveston, 28th St. & Ave. F	Bagging Factory	--	--	810	--	--	--
409	Galveston, 26th St. & Ave. E	Brush Elec. Lt. & Power Co.	--	--	813	--	--	--
410	Galveston, 22nd St. & Ave. A	Frazier Ice & Cold Storage Co.	Layne-Texas	1914	1,346	6	825 1,254	57 83
411	Galveston, 22nd St. & Ave. A	do.	Pomeroy & McMasters	1929	400+	6	--	--
411a	do.	do.	do.	1929	800	6	--	--
412	Galveston, 20th St. & Ave. A	Galveston Ice & Cold Storage Co.	Layne-Texas	1912	1,345	10	818 1,217	38 125
413	do.	Texas Ice & Cold Storage Co.	do.	--	856	6	--	--
414	Galveston, 18th St. & Ave. A	National Cotton Oil Co.	--	--	1,328	--	--	--
415	Galveston, 20th St. & Ave. I	Galveston City R.R. Co.	--	--	330	--	--	--
416	Port Bolivar	Santa Fe R.R.	Giles Williams	1913	1,088	10	972	35
417	11 $\frac{1}{2}$ miles southwest	Maco Stewart	Layne-Texas	1929	1,000	10	589	53
418	11 miles southwest	Tom F. Shaw	Humble Oil Co.	1936	7,000	10	--	--
419	do.	C. D. Tellefson	C. D. Tellefson	1929	7	1 $\frac{1}{2}$	--	--
420	10 $\frac{1}{4}$ miles southwest	John Ecert	--	1900	1,100	16	--	--
421	do.	J. L. Cato	J. L. Cato	1939	27	4	22	5
422	9 $\frac{1}{2}$ miles southwest	J. W. Wayman	J. W. Wayman	1936	11	1 $\frac{1}{2}$	--	--
423	9 miles southwest	do.	do.	1935	11	1 $\frac{1}{2}$	2	9+
424	8 $\frac{1}{2}$ miles southwest	do.	-- Wern	1927	11	1 $\frac{1}{2}$	--	--
425	do.	O. L. Auston	O. L. Auston	1935	14	4	--	--

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
407	--	--	--	--	I,E	Ind	Casing: 78 feet of 12-inch, 9-inch set at 755 feet and 7-inch to bottom. Driftwood encountered from 350 to 400 feet and at 750 feet. Flow 104 gallons a minute in
408	--	--	--	--	N	N	Temperature 83° F. e/ 1907-08.f/
409	--	--	--	--	N	N	Record from Singley. e/
410	2.0		7.0	May 18, 1939	N	N	Casing: 1,346 feet of 10-inch; screens set from 840 to 884 and 1,261 to 1,336 feet. Original flow 128 gallons a minute. Flow in 1932, 25 gallons a minute. d/ See log.
			21.2	Aug. 7, 1941			
411	--	--	--	--	A,S	Ind	Pumping 220 gallons a minute from well at present. Water used for cooling purposes.
411a	--	--	--	--	A,S	Ind	Pumping 80 gallons a minute from well at present. Water used for cooling purposes.
412	--	--	--	--	--	--	Casing: 1,345 feet of 10-inch; screens set from 830 to 893 and 1,235 to 1,338 feet. Original flow, 700 gallons a minute. d/ Flow in 1932 about 500 gallons a minute.
413	--	--	--	--	--	--	Three similar wells, record from Singley. e/
414	--	--	--	--	--	--	Record from Singley. e/ Filled and abandoned.
415	--	--	--	--	--	--	Two similar wells. Water was said to be least mineralized in city. Record from
416	3.1		13.9	June 18, 1941	A,G	Ind	Casing: 437 feet of 10-inch, Singley. e/ 672 feet of 8-inch with 133-foot lap into 10-inch, and 136 feet of 6-inch with 24-foot lap into 8-inch; screens set from 819 to 862 and 974 to 1,018 feet. See log.
417	--	--	--	--	I,E	I	Casing: 129 feet of 10-inch, 481 feet of 8-inch with 29-foot lap into 10-inch and 106 feet of 6-inch with lap of 24 feet into 8-inch; screen set from 587 to 640
418	--	--	--	--	--	--	Oil test. feet. See log.
419	--	--	--	--	W	D,S	Casing: 7 feet of 2 $\frac{1}{2}$ -inch. Water in beach sand.
420	--	--	--	--	N	N	
421	0.2		5.0	May 16, 1939	W	D	Casing: 14 feet of 4-inch; screen set from 14 to 27 feet. Water in beach sand.
422	--	--	--	--	W	D,S	Casing: 11 feet of 2 $\frac{1}{2}$ -inch. Water in beach sand.
423	--	--	--	--	A,E	D,S	Casing: 11 feet of 2 $\frac{1}{2}$ -inch. Water reported in shell bed between 2 and 11 feet.
424	--	--	--	--	W	S	Casing: 11 feet of 2 $\frac{1}{2}$ -inch. Water in beach sand.
425	4.0		11.8	May 15, 1939	W	S	Casing: 14 feet of 48x48-inch concrete. Water in beach sand. Dug well.

Records of wells and springs in Galveston County -- Continued

No.	Distance from Galveston	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
426	7 $\frac{1}{4}$ miles southwest	H. Homrighaus	H. Homrighaus	1927	16	1 $\frac{1}{2}$	--	--
427	6 $\frac{1}{4}$ miles southwest	Fritz Forste	Fritz Forste	1907	12	2	--	--
428	6 miles southwest	Mrs. C. V. Smith	-- Warner	1933	12	1 $\frac{1}{2}$	--	--
429	5 $\frac{1}{2}$ miles southwest	Lilly Harris	R. Harris	1933	15	1 $\frac{1}{2}$	--	--
430	5 miles southwest	S. Nicachilli	--	--	--	1 $\frac{1}{2}$	--	--
431	4 $\frac{3}{4}$ miles southwest	-- Gremel	R. Harris	1938	15	1 $\frac{1}{2}$	--	--
432	3 miles west	Hi-Grade Packing Co.	Pomeroy & McMasters	1935	435	10	--	--

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
450	6 $\frac{1}{2}$ miles west	W. H. Wadkins	Chas. Ellis	1924	113	4	100	13
451	5 $\frac{3}{4}$ miles west	H. W. Bales	Fred Knaak	1938	160	2	140	20
452	do.	Louis Trager	Jim Plumby	1909	160	4	140	20
453	7 $\frac{3}{4}$ miles west	F. W. Knaak	Pat O'Day	1930	225	3	160 195	10 30
454	6 miles west	O. K. Boles	do.	1938	144	4	144	--
455	5 miles west	W. R. Bailey	Sol Allen	1923	35	12	32	3
456	5 $\frac{1}{4}$ miles west	H. Friends	Pat O'Day	1924	500+	3	--	--
457	6 $\frac{1}{2}$ miles west	Galveston County	Chas. Ellis	--	90	3	--	--
458	5 $\frac{1}{4}$ miles west	E. D. Altemus	-- Moore	1911	158	2	131	27
459	6 $\frac{1}{2}$ miles west	Scales Est.	Sam Mercer	1911	179	2	163	16
460	6 $\frac{1}{2}$ miles west	G. G. Anderson	do.	1910	635	2	500	135
461	5 $\frac{3}{2}$ miles west	E. D. Altemus	E. D. Altemus	1931	170	4	150	20
462	2 $\frac{3}{4}$ miles west	W. Smith	--	1910	35	10	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measurement	Method of lift b/	Use of water c/	Remarks
426	--	--	--	W	S	Casing: 16 feet of 1½-inch. Water in beach sand and shell.
427	--	--	--	W	S	Casing: 12 feet of 2-inch. Water in beach sand.
428	--	--	--	W	S	Casing: 12 feet of 1½-inch. Water in beach sand.
429	--	--	--	W	S	Casing: 15 feet of 1½-inch. Water in beach sand.
430	--	--	--	W	S	
431	--	--	--	W	S	Casing: 15 feet of 1½-inch. Water in beach sand.
432	--	--	--	I,E	Ind	

No.	Height of benchmark above ground (ft.) a/	Water level Below bench mark (ft.)	Date of measurement	Method of lift b/	Use of water c/	Remarks
450	1.0	12.8	Feb. 22, 1939	E	D,S	Casing: 113 feet of 4-inch. Water reported in coarse-grained gray sand.
451	0.8	13.0	Feb. 20, 1939	H	D,S	Casing: 140 feet of 2-inch. Water reported in white sand. Pumps 30 gallons a
452	0	9.9	dc..	I,G	D,S	Casing: 140 minute with air compressor. feet of 4-inch; screen set from 140 to 160 feet. Water reported in coarse-
453	3.4	13.8	Feb. 16, 1939	A,G	D,S	Casing: 190 feet of grained pink sand. 3-inch; screens set from 160 to 170 and
454	0.9	11.9	Feb. 23, 1939	E	D	Casing: 144 feet of 195 to 225 feet. 4-inch. Water reported in coarse-
455	1.6	20.0	Feb. 28, 1939	H	N	Casing: 35 feet of grained white sand. 12-inch concrete. Water reported in fine-
456	--	--	--	H	D	grained red sand.
457	1.9	12.8	Feb. 22, 1939	N	N	Casing: 90 feet of 3-inch. Water reported in fine-grained red sand.
458	--	--	--	A,G	D,S	Casing: 138 feet of 2-inch; screen set from 138 to 158 feet. Water reported in
459	--	--	--	W	D,S	Casing: 163 coarse-grained white sand. feet of 2-inch; screen set from 163 to
460	--	--	--	G	D,S	Casing: 599 feet of 2-inch; 179 feet. screen set from 599 to 635 feet.
461	--	--	--	A,G	I	Casing: 150 feet of 4-inch. Water reported in coarse-grained white sand.
462	2.5	11.5	Mar. 3, 1939	W,H	D,S	Casing: 30 feet of 10-inch tile.

d/Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp.154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
465	2 miles northeast	W. M. Bell	-- Barnhill	1928	100	3	100	--
466	4 $\frac{1}{2}$ miles northeast	J. E. Hewitt	J. E. Hewitt	1909	25	8	--	--
467	4 $\frac{1}{4}$ miles northeast	do.	Chas. Ellis	1934	74	3 $\frac{1}{2}$	--	--
468	4 miles northeast	Anna Dale	--	--	17	8	--	--
469	2 $\frac{3}{4}$ miles northeast	League Est.	Geo. Ellis	1938	168	3	160	8
470	2 $\frac{1}{2}$ miles northeast	Hopper Anderson	Pat O'Day	1938	170	4	90 160	12 10
471	1 $\frac{3}{4}$ miles northeast	-- Priest	--	--	35	--	--	--
472	1 $\frac{1}{4}$ miles northeast	W. L. Price	--	1931	48	4	--	--
473	1 $\frac{1}{4}$ miles north	League Est.	--	--	110+	3	--	--
474	1 mile north	I. M. Singeltary	-- Dunland	1934	35	4	--	--
475	$\frac{3}{4}$ mile north	Louis Plitt	--	--	550	6	--	--
476	$\frac{3}{4}$ mile northeast	W. G. Hall	Pat O'Day	1938	200	4	--	--
477	2 miles northeast	Jhiradi Bros.	do.	1924	190	4	175	15
478	4 miles east	--	--	--	35	4	--	--
479	2 miles northeast	J. H. Anderson	--	1925	60	--	--	--
480	$\frac{1}{2}$ mile north	Texas Fig Co.	Layne-Texas	--	500+	6	--	--
481	$\frac{3}{4}$ mile northeast	F. H. Reynolds	Nick Altamus	1933	275+	3	--	--
482	3 $\frac{1}{4}$ miles northeast	H. F. Taylor	--	1925	500+	4	--	--
483	1 mile northeast	R. E. McQuirk	Fred Standard	1915	360	2 $\frac{1}{2}$	300?	40?
484	1 mile northeast	do.	do.	1910	152	4	128	24
485	2 miles east	League Est.	Pat O'Day	1938	150	3	120	30
486	2 $\frac{1}{2}$ miles east	M. Bocco	J. Piattiza	1928	100	2	90	20
487	$\frac{1}{2}$ mile northeast	J. T. Whitworth	Pat O'Day	1935	220	4	210	10

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.) <u>b/</u>	Date of measure- ment <u>c/</u>	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
465	0.7	16.5	Mar. 16, 1939	H	D,S	
466	0.1	3.8	Mar. 15, 1939	E,H	D	Casing: 25 feet of 8-inch tile.
467	0.9	4.5	do.	W	S	
468	2.1	4.8	do.	H	D,S	Casing: 15 feet of 8-inch tile.
469	4.4	17.1	do.	A,G	I	Casing: 160 feet of 3-inch. Reported pumps 50 gallons a minute with air com-
470	4.4	18.3	do.	A,G	I	Casing: 148 feet of 4-inch; <u>pressor.</u> screens set from 90 to 102 and 160 to 170
471	--	--	--	G	D,S	feet.
472	0.8	11.3	Mar. 4, 1939	H	D,S	
473	--	--	--	G	S	
474	0.3	7.8	Mar. 14, 1939	H	D	Casing: 35 feet of 4-inch.
475	0.7	45.7 51.8	Mar. 13, 1939 July 23, 1941	W	D,S	
476	0.4	7.6	Mar. 14, 1939	E	D,S	Water reported in fine-grained gray sand.
477	2.8	17.8	Mar. 15, 1939	A,G	D,S,I	Casing: 175 feet of 4-inch; screen set from 175 to 190 feet. Reported pumps 40 gallons a minute with air compressor.
478	1.7	5.2	do.	H	N	
479	--	--	--	A,G	D,S	
480	3.8	50.4	Mar. 14, 1939	N	N	
481	--	--	--	E	D	Screen set from 265 to 275 feet.
482	1.4	48.7 55.1	Mar. 13, 1939 July 23, 1941	A,E	D,P	
483	--	--	--	N	N	Screen set from 340 to 360 feet. Water reported in coarse-grained yellow sand.
484	1.3	14.7	Mar. 16, 1939	E	D	Casing: 128 feet of 4-inch; screen set from 128 to 152 feet. Water reported in
485	1.8	14.8	Mar. 15, 1939	A,G	I	Casing: 135 <u>fine-grained white sand.</u> feet of 3-inch. Reported pumps 35 gallons
486	0.5	9.6	do.	H	D,S	Casing: 100 <u>a minute with air compressor.</u> feet of 2-inch.
487	--	--	--	E	D,P	Casing: 210 feet of 4-inch; screen set from 210 to 220 feet. Water reported in coarse-grained sand.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
488	1 $\frac{1}{4}$ miles east	Phillip Williams	--	1918	25	10	--	--
489	do.	John Vaglianti	Fred Standard	1914	165	6	160	5
490	1 mile east	F. O. Bear	--	1924	300	4	240	60
491	1 $\frac{1}{2}$ mile east	D. Moratto	Pat O'Day	1931	175	4	150	20
492	1 mile southeast	Joe Saracco	do.	1928	160	4	125	35
493	1 $\frac{1}{2}$ mile southeast	Joe Daro	do.	1937	142	2 $\frac{1}{2}$	--	--
494	do.	Zelda Smith	--	1897	800+	--	--	--
495	do.	W. F. McKibben	--	1908	1,300+	4	--	--
496	1 $\frac{1}{2}$ mile southwest	do.	Pat O'Day	1937	200	3	92	60
497	1 $\frac{3}{4}$ mile west	E. F. Oberle	C. W. Alberson	1928	208	2	180	28
498	do.	F. Wallrab	--	1925	150	--	--	--
499	do.	J. F. Thomson	-- Ellis	1936	92	2 $\frac{1}{2}$	74	18
500	1 mile west	J. H. Ross	Fred Standard	1909	180	6	160?	20?
501	1 $\frac{1}{4}$ miles west	Frank Skalink	Mike Dobray	1926	60	2	50	10
502	do.	O. Haardt	--	1918	65	10	--	--
503	1 $\frac{1}{2}$ miles west	Stewart Harvey	--	1937	165	--	--	--
504	1 $\frac{3}{4}$ miles west	B. D. Sweatland	W. D. Sweatland	1925	23	5	21	1
505	7 miles west	Pete McDonald	J. C. Gray	1934	28	2	--	--
506	8 miles west	do.	Layne-Texas	1910	800	6	--	--
507	8 $\frac{1}{4}$ miles west	do.	do.	1910	800	--	--	--
508	7 $\frac{3}{4}$ miles west	Geo. Pennock	Geo. Pennock	1930	51	4	--	--
509	8 $\frac{1}{4}$ miles west	F. B. Ware	H. Gray	1925	32	2	28	4
510	7 $\frac{1}{2}$ miles west	Carlos Peppered	--	1928	35	1 $\frac{1}{4}$	--	--
511	7 $\frac{3}{4}$ miles west	Fred Froberg	--	1928	44	2	34?	10?
512	8 $\frac{1}{4}$ miles west	H. A. Ruege	H. Gray	1934	48	--	--	--

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
488	--	--	--	--	H	D	Casing: 22 feet of 10-inch tile. Water reported in fine-grained red sand.
489	1.3	15.1	Mar. 16, 1939	A,G	I	I	Casing: 160 feet of 6-inch.
490	--	--	--	--	H	D,I	Casing: 280 feet of 4-inch; screen set from 280 to 300 feet. Water reported in
491	1.4	19.1	Mar. 15, 1939	W	D,S	D,S	Casing: 160 feet of 4-inch; screen set from 160 to 170 feet. Water reported in fine-grained white sand.
492	1.3	16.7	do.	G	D	D	Casing: 140 feet of 4-inch; screen set from 140 to 160 feet. Water reported
493	0.6	18.4	do.	E	D	D	Casing: 132 feet of 2½-inch; screen set from 132 to 142 feet. Water reported in fine-grained white sand.
494	--	--	--	--	E	D,I	Flowed when drilled. Water reported in fine-grained white sand.
495	0.7	19.9	Mar. 13, 1939	N	N	N	Filled and abandoned July 23, 1941.
496	1.0	15.5	do.	E	D,S	D,S	Casing: 142 feet of 3-inch; screen set from 142 to 152 feet. Water reported in
497	--	--	--	--	E	D	Casing: 196 feet of 2-inch; screen set from 196 to 208 feet. Water reported in coarse-
498	--	--	--	--	H	D	grained white sand.
499	--	--	--	--	E	D	Casing: 74 feet of 2½-inch.
500	0	12.1	Mar. 8, 1939	I,G	D,I	D,I	Casing: 160 feet of 6-inch; screen set from 160 to 180 feet. Reported pumps 15
501	--	--	--	--	E	D	Casing: 50 feet of 2-inch; screen set from 50 to 60 feet. to 20 gallons a minute.
502	1.5	11.1	Mar. 8, 1939	H	D,S	D,S	Casing: 65 feet of 10-inch tile. Water reported in fine-grained red sand.
503	--	--	--	--	E	D	Casing: 165 feet of 3-inch.
504	1.8	10.6	Mar. 8, 1939	H	D,S	D,S	Casing: 22 feet of 5-inch tile.
505	--	--	--	--	W	S	Casing: 28 feet of 2-inch.
506	0.4	43.7	Feb. 27, 1939	E	D,S	D,S	
507	1.5	47.9	July 23, 1941	I	N	N	
508	--	--	--	--	E	D,S	Casing: 51 feet of 4-inch.
509	--	--	--	--	E	D,S	Casing: 32 feet of 2-inch.
510	--	--	--	--	H	D	
511	--	--	--	--	W	D	Casing: 34 feet of 2-inch.
512	--	--	--	--	E	D	Water reported in fine-grained red sand.

Records of wells and springs in Galveston County--Continued

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
513	8½ miles west	J. F. Durant	--	1932	40	4	--	--
514	6¼ miles southwest	J. M. West	P. McFadden	1919	45	4	--	--
515	5½ miles southwest	do.	Chas. Ellis	1930	124	3	122	2
516	5¼ miles southwest	do.	P. McFadden	1919	20	2	--	--
517	4¼ miles southwest	do.	--	--	22	--	--	--

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
518	9 miles northwest	H. C. Madara	--	--	16	4	--	--
519	8¾ miles northwest	C. A. Madara	C. A. Madara	1919	20	5	--	--
520	8½ miles northwest	Mrs. C. P. Collins	J. A. Ewing	1938	18	2½	16	2
521	7¾ miles northwest	Bertha Kananck	--	1910	50	12	--	--
522	7 miles northwest	L. Opsal	G. D. Mackay	1928	28	1½	24	4
523	5½ miles northwest	C. M. Todd	Roy Benson	1900?	86	36	--	--
524	5¼ miles northwest	C. H. Adams	--	--	40+	1¼	--	--
525	7 miles northwest	B. D. Gresham	--	1927	100+	4	--	--
526	do.	Allen & Allen	-- Stephens	1935	18	8	--	--
527	7½ miles northwest	do.	E. H. Moore	1935	18	1½	--	--
528	6½ miles northwest	G. E. Davis	--	1895	30	8	--	--
529	7 miles northwest	Cooper Est.	--	1900	18+	4	--	--
530	5¾ miles northwest	M. G. Fakes	--	1933	30	1¼	20	10
531	4½ miles northwest	J. K. Aaberg	J. K. Aaberg	1938	20	3	--	--
532	5¾ miles northwest	-- Mosque	Gray Bros.	1912	99	4	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of	Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measurement			
513	0	3.0	Feb. 28, 1939	E	S	Casing: 40 feet of 4-inch.
514	0.8	5.9	Apr. 24, 1939	W	S	
515	--	--	--	W	S	Casing: 124 feet of 3-inch.
516	--	--	--	W	S	
517	--	--	--	W	S	

No.	Height of	Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measurement			
518	3.2	7.9	Apr. 24, 1939	H	D	Casing: 16 feet of 48x36-inch concrete. Dug well.
519	1.4	7.1	do.	H	D	Casing: 5-inch tile.
520	2.0	7.5	do.	H	D	Casing: 16 feet of 2 $\frac{1}{2}$ -inch.
521	1.5	3.6	Mar. 7, 1939	W	D	Casing: 50 feet of wood.
522	--	--	--	H	D	Casing: 24 feet of 1 $\frac{1}{2}$ -inch. Water reported in fine-grained red sand.
523	1.0	15.1	Apr. 24, 1939	H	D,S	Casing: 20 feet of 36-inch brick and 66 feet of 6-inch steel.
524	--	--	--	W	D,S	Water reported in fine-grained red sand.
525	--	--	--	H	D	
526	--	--	--	H	D	Casing: 18 feet of 8x8-inch wood.
527	--	--	--	H	S	Casing: 18 feet of 1 $\frac{1}{2}$ -inch.
528	--	--	--	S,E	D,S	Casing: 30 feet of 8x8-inch wood. Water reported in fine-grained yellow sand.
529	--	--	--	W	D,S	
530	--	--	--	H	D,S	Casing: 20 feet of 1 $\frac{1}{2}$ -inch, with screen on bottom.
531	--	--	--	W	S	Casing: 20 feet of 3-inch.
532	2.8	5.7	Apr. 26, 1939	N	D	

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
533	6 $\frac{1}{4}$ miles northwest	John Rezuk	John Rezuk	1915	32	3	--	--
534	do.	W. H. Mitchel	--	1936	27	3	--	--
535	6 $\frac{1}{4}$ miles west	C. W. Vandyke	C. W. Vandyke	1911	42	6	16	26
536	7 $\frac{1}{4}$ miles west	Mrs. A. F. Winton	Lodge Perry	1931	103	3	--	--
537	6 $\frac{3}{4}$ miles west	-- Thompson	do.	1931	100	3	--	--
538	6 $\frac{1}{4}$ miles west	Joe Giambo	Joe Piazza	1938	135	2 $\frac{1}{2}$	--	--
539	6 miles west	--	--	1933	132	4	--	--
540	5 $\frac{3}{4}$ miles west	G. N. Rymal	--	1917	325	6	--	--
541	5 miles northwest	T. C. Scruggs	T. C. Scruggs	1928	35	4	32	3
542	4 $\frac{1}{4}$ miles northwest	F. J. Netter	F. J. Netter	1937	40	4	35	5
543	3 $\frac{3}{4}$ miles northwest	J. K. Aaberg	J. K. Aaberg	1937	35	3	25	10
544	3 $\frac{1}{2}$ miles northwest	C. E. Holbert	--	1910	160	4	--	--
545	3 $\frac{1}{2}$ miles northwest	H. E. Stockwell	-- Conklin	1915	226	6	--	--
546	3 $\frac{1}{2}$ miles northwest	Lee Childs	Lee Childs	1928	40	2	--	--
547	6 miles west	K. McPeters	Roy Smith	1927	70	1 $\frac{1}{2}$	--	--
548	4 $\frac{1}{2}$ miles west	Mrs. W. M. Holloway	John Shultz	1931	48	3	--	--
549	3 $\frac{3}{4}$ miles west	J. A. Unger	A. D. Orum	1904	360	4	--	--
550	3 $\frac{1}{4}$ miles west	G. I. Moore	H. Orum	1935	44	3	40	4
551	2 $\frac{3}{4}$ miles west	Neils Nelson	--	1920?	175	4	--	--
552	3 $\frac{3}{4}$ miles west	Grace Childs	I. M. Brandon	1937	39	2	35	4
553	4 miles west	Mrs. M. L. Jackson	--	1915	22	12	--	--
554	4 $\frac{1}{4}$ miles west	Dr. -- Barnes	--	--	28	4	--	--
555	5 $\frac{3}{4}$ miles west	Leanah Jones	J. S. Jones	1916	35	1 $\frac{1}{4}$	20	15

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
533	--	--	--	--	W	D,S	Casing: 32 feet of 3-inch.
534	2.2		6.8	Apr. 25, 1939	H	D	Casing: 27 feet of 3-inch.
535	--	--	--	--	H	D	Casing: 20 feet of 6-inch; screen set from 20 to 42 feet.
536	0.8		8.6	Apr. 25, 1939	W	D,S	Casing: 103 feet of 3-inch. Water reported in fine-grained white sand.
537	--	--	--	--	N	N	Casing: 100 feet of 3-inch.
538	--	--	--	--	H	D	Casing: 135 feet of 2½-inch.
539	1.0		7.8	Apr. 26, 1939	H	N	Casing: 132 feet of 4-inch.
540	0.6		6.9	do.	E,H	D	
541	--	--	--	--	E	D,S	Casing: 32 feet of 4-inch.
542	0.8		6.1	May 2, 1939	H	D	Casing: 35 feet of 4-inch.
543	--	--	--	--	E	D,S	Casing: 35 feet of 3-inch.
544	1.1		7.0	May 2, 1939	E	D	Casing: 152 feet of 4-inch; screen set from 152 to 160 feet. Water reported in
545	0.4		10.9	do.	E	D,S	Casing: 226 feet of 6-inch; screen set at bottom of fine-grained red sand.
546	--	--	--	--	E	D	Casing: 40 feet of 2-inch. 6-inch casing. Water reported in fine-grained red sand.
547	0.3		5.7	Apr. 26, 1939	W,H	D,S	
548	--	--	--	--	G	D,S	
549	0		5.3	Apr. 27, 1939	H	D	
550	--	--	--	--	E	D,S	Casing: 44 feet of 3-inch.
551	0.4		28.7	Apr. 27, 1939	H	D,S	
552	--	--	--	--	H	D,S	Casing: 35 feet of 2-inch.
553	0		5.5	Apr. 27, 1939	W	D,S	
554	--	--	--	--	W	D,S	
555	--	--	--	--	H	D,S	Casing: 25 feet of 1½-inch; screen set from 25 to 35 feet.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
560	$\frac{3}{4}$ mile east	B. Samartino	Pat O'Day	--	200	--	--	--
561	$1\frac{3}{4}$ miles east	G. O. Anderson	Otis Dower	--	620+	4	--	--
562	$2\frac{1}{4}$ miles east	Izaak Littman	L. Patterson	1938	626	4	536	90
563	do.	--	--	--	625+	4	--	--
564	$2\frac{1}{2}$ miles east	Sam Levine	L. Patterson	1938	651	7	551	98
565	3 miles east	J. W. Shelor	--	--	620+	$5\frac{1}{2}$	--	--
566	$2\frac{1}{2}$ miles east	Stanolind Oil & Gas Co.	--	--	615+	4	--	--
567	$1\frac{1}{4}$ miles east	B. A. Lee	H. H. Ellis	1938	162	2	148	14
568	do.	Hutchins-Sealy	--	--	200+	4	--	--
569	$1\frac{1}{4}$ miles east	C. L. Dobbins	--	--	201	4	180	20
570	do.	do.	--	1939	1,167	--	483 587 840 902	38 23 40 21
571	$\frac{1}{2}$ mile west	Father Reicher	Pat O'Day	1935	570	5	550	20
572	do.	do.	J. Pomeroy	1938	463	4	423	40
573	$\frac{1}{2}$ mile west	Paul Lobit	-- Conklin	1914	600+	8	--	--
574	$\frac{3}{4}$ mile southwest	do.	do.	1918	250	$2\frac{1}{2}$	--	--
575	$1\frac{1}{2}$ miles west	Carl Kobarg	Joe Piazza	1932	160	3	--	--
576	$1\frac{1}{2}$ miles west	G. B. Schmidt	G. B. Schmidt	1898	60	20	--	--
577	$2\frac{1}{4}$ miles southwest	Mrs. H. J. Wiegand	B. Liening	1928	50	4	--	--
578	$4\frac{1}{2}$ miles southwest	Dr. Sam Templin	--	--	24	$2\frac{1}{2}$	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric, G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of		Water level		Method of lift	Use of water	Remarks
	benchmark above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
560	3.2		18.8	Apr. 6, 1939	A,G	N	
561	3.1		54.4	Mar. 23, 1939	N	N	Supplied water for drilling oil test.
	3.5		57.8	July 28, 1941			
562	--		--	--	A,E	D	Casing: 604 feet of 4-inch; screen set from 581 to 603 feet. Supplied water for
563	3.0		56.3	July 28, 1941	NG	O	Supplied drilling oil test. See log. water for drilling oil test.
564	--		--	--	NG	O	Casing: 647 feet of 7-inch; screen set from 603 to 647 feet. Supplied water for
565	--		--	--	E	D,Ind	Supplied drilling oil test. See log. water for drilling oil test.
566	2.5		45.8	Mar. 23, 1939	N	N	Do.
			48.0	July 29, 1941			
567	--		--	--	E	D	Casing: 147 feet of 2-inch; screen set from 147 to 162 feet.
568	1.0		14.3	Apr. 10, 1939	E	--	
569	0.7		14.7	do.	A,E	--	Casing: 181 feet of 4-inch.
570	2.3		49.1	July 28, 1941	A,E	D	Casing: 940 feet of 6-inch; screens set from 483 to 522, 586 to 609; 6-inch screen from 840 to 880 and 902 to 923 feet. Well drilled to 1,167 feet, but plugged back to 940 feet. See log.
571	0		83.2	Apr. 1, 1939	N	N	Casing: 550 feet of 5 and 3-inch; screen set from 550 to 570 feet.
	0.5		74.3	July 28, 1941			
572	--		--	--	I,E	D	Casing: 423 feet of 4-inch; screen set from 423 to 463 feet.
573	0.7		7.5	Mar. 28, 1939	N	N	Water reported in fine-grained dark sand. Formerly flowed.
574	--		--	--	E	D,S	
575	1.0		7.2	Mar. 27, 1939	E	D,S	Casing: 150 feet of 3-inch; screen set from 150 to 160 feet. Water reported in
576	2.1		16.2	do.	N	N	Casing: 60 fine-grained gray sand. feet of 20-inch tile.
577	--		--	--	W	S	Casing: 20 feet of 4-inch. Water reported in fine-grained red sand.
578	1.5		8.9	Apr. 1, 1939	H	S	

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County --Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
579	4 $\frac{1}{2}$ miles southwest	G. A. Beaver	K. R. Beaver	1935	58	2 $\frac{1}{2}$	--	--
580	3 $\frac{1}{4}$ miles southwest	Boy Scout Camp	--	--	26	2	--	--
581	2 $\frac{3}{4}$ miles southwest	Henrietta Schmidt	--	--	18	3	--	--
582	do.	Robert Bear	Frank Drees	1928	24	6	--	--
583	2 miles southwest	Fred Benson	Joe Piazza	1918	100	2	--	--
584	do.	Mrs. H. J. Wiegand	-- Conklin	1926	480	4	--	--
585	1 $\frac{3}{4}$ miles southwest	E. P. Howell	--	1890	694	6	--	--
586	1 $\frac{1}{2}$ miles southwest	R. L. Allen	--	1923	208	6	186	22
587	do.	Mrs. H. C. Hirt	--	1913	750	2	--	--
588	1 mile southwest	C. L. Desel	Joe Piazza	1930	90	3	--	--
589	3 $\frac{1}{4}$ mile southwest	Will Horwitz	-- Conklin	1925	197	6	--	--
590	1 mile south	Mrs. Fred Burton	Lodge Perry	1938	75	2 $\frac{1}{2}$	--	--
591	3 $\frac{1}{2}$ mile south	Will Horwitz	Pomeroy & McMasters	1939	460	4	--	--
592	do.	do.	--	1927	206	4	--	--
593	1 $\frac{1}{2}$ mile south	C. M. Wolston, Sr.	Chas. Ellis	1937	210	2 $\frac{1}{2}$	--	--
594	1 mile south	Mrs. C. B. Benson	H. H. Ellis	1938	100	2	--	--
595	1 $\frac{1}{2}$ mile south	W. L. Droulhet	Chas. Ellis	1933	211	2 $\frac{1}{2}$	--	--
596	1 $\frac{1}{2}$ mile southeast	Ed Salzmann	-- Conklin	1917	256	6	230	20
597	1 $\frac{1}{2}$ mile southeast	Mrs. Marie Koehler	Fred Standard	1916	480	3	--	--
598	1 mile east	R. J. Hughes	Joe Piazza	1920	100	3	80	20
599	1 $\frac{1}{4}$ miles southeast	Anna Dickson	do.	--	155	--	--	--
600	1 $\frac{1}{2}$ miles southeast	G. D. Butler	Chas. Ellis	1935	96	3	--	--
601	1 $\frac{3}{4}$ miles east	J. C. Ecret	--	--	820	6	--	--
602	2 miles southeast	Ed Deats	--	--	52	2	--	--
603	2 $\frac{1}{4}$ miles southeast	J. C. Ecret	L. Patterson	--	434	4	--	--
604	2 $\frac{1}{2}$ miles east	Maco Stewart	do.	1934	740	7	541 564 594	19 16 11

No.	Height of benchmark above ground (ft.) a/	Water level Below bench- mark (ft.)	Date of measure- ment	Method of lift b/	Use of water c/	Remarks
579	--	--	--	W	S	Water reported in fine-grained red sand.
580	2.5	13.3	Mar. 29, 1939	N	N	
581	0	4.3	Mar. 28, 1939	H	--	
582	--	--	--	H	D,S	Casing: 20 feet of 6-inch.
583	--	--	--	G	D,S	Casing: 100 feet of 2-inch.
584	--	--	--	E	D,S	Screen: 90 feet at bottom.
585	--	--	--	E	D,S	Water reported in fine-grained white sand. Formerly flowed.
586	1.0	12.9	Mar. 24, 1939	W,G	I	Casing: 186 feet of 6-inch; screen set from 186 to 208 feet. Water reported in
587	--	--	--	W	D	Formerly fine-grained white sand. flowed.
588	--	--	--	W,E	D	
589	6	12.9	Apr. 11, 1939	W	N	
590	0.9	9.0	Mar. 24, 1939	E	D,S	Casing: 65 feet of 2 $\frac{1}{2}$ -inch; screen set from 65 to 75 feet.
591	--	--	--	--	D	
592	0.6	14.6	Apr. 11, 1939	N	N	
593	0.8	12.9	Mar. 22, 1939	E	D	
594	--	--	--	E	D	Screen set at bottom of well.
595	0	15.9	Mar. 22, 1939	E	D	Casing: 211 feet of 2 $\frac{1}{2}$ -inch. Water re- ported in fine-grained white sand.
596	1.7	5.0	do.	E	D,S	Casing: 236 feet of 6-inch; screen set from 236 to 256 feet. Flowed until 1928.
597	--	--	--	E	D	
598	1	0	Apr. 10, 1939	E	--	Casing: 80 feet of 3-inch; screen set from 80 to 100 feet. Water reported in
599	--	--	--	W	--	fine-grained white sand.
600	0.5	12.8	Mar. 31, 1939	W	D,S	Casing: 96 feet of 3-inch.
601	0.2	35.3	Mar. 24, 1939	NG	D	
602	--	--	--	W	D,S	
603	--	--	--	A,G	D,O	Screen set at bottom.
604	3.8	59.2	July 29, 1941	NG	0	Casing: 91 feet of 7-inch and 450 feet of 4-inch; screen set from 541 to 605 feet.

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
605	3 miles east	Maco Stewart	L. Patterson	1934	665	7	550	95
606	do.	do.	do.	1934	550	7	468 490	12 18
607	2 $\frac{3}{4}$ miles southeast	Fred Lughing	--	--	23	40	--	--
608	3 miles southeast	Maco Stewart	--	1936	858	7	770	50
609	2 $\frac{1}{4}$ miles southeast	Pan American Prod. Company	H. H. Ellis	1933	111	4	83	28
610	2 $\frac{1}{4}$ miles southeast	Midstates Oil Co.	--	--	700	4	--	--
611	1 $\frac{3}{4}$ miles southeast	J. Palama	--	--	700+	4	--	--
612	1 $\frac{1}{2}$ miles southeast	Geo. Harris	Chas. Ellis	1938	100	3	83	17+
613	1 $\frac{1}{4}$ miles south	Irving & Bishop	--	--	19	--	--	--
614	1 $\frac{1}{2}$ miles south	Mrs. C. B. Benson	L. V. Elder	1903	1,200+	8	--	--
615	3 $\frac{1}{4}$ miles southwest	Frank Senger	Frank Senger	1907	30	4	20	10
616	3 $\frac{1}{2}$ miles southwest	-- Dues	Joe Piazza	1930	92	3	--	--
617	3 $\frac{1}{4}$ miles southwest	Frank Drees	H. H. Ellis	1938	88	3	80	8
618	do.	Ed H. Dues	Joe Piazza	1930	150	3	--	--
619	3 $\frac{3}{4}$ miles southwest	Phenix Dairy	--	1928	780	4	--	--
620	4 $\frac{1}{2}$ miles southwest	Perry McFadden	--	--	53	2	--	--
621	do.	J. M. Goode	--	--	38	4	--	--
622	do.	F. H. Thaman	F. H. Thaman	1938	35	2	--	--

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
623	3 miles north	R. Burns	--	--	105	3	--	--
624	3 $\frac{1}{4}$ miles north	O. E. Henderson	O. E. Henderson	1932	35	2	--	--
625	3 $\frac{3}{4}$ miles northeast	A. L. Moller	--	1928	500+	6	--	--
626	3 $\frac{1}{2}$ miles northeast	do.	A. L. Moller	1930	38	4	32	6

No.	Height of	Water level	Date of	Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)				
605	--	--	--	NG	0	Casing: 86 feet of 6-inch and 497 feet of 4-inch; screen set from 583 to 646 feet.
606	--	--	--	NG	0	Casing: 92 feet of 7-inch and 416 feet of 5-inch; screens set from 468 to 480 and
607	1.9	6.3	Apr. 11, 1939	N	D,S	Casing: 40x40-inch \ 490 to 508 feet-wood. Dug well.
608	3.5	11.1	Aug. 1, 1941	NG	Ind	Casing: 149 feet of 7-inch and 679 feet of 4-inch; screen set from 772 to 828 feet.
609	0.3	7.3	Mar. 23, 1939	G	D	Casing: 95 feet of 4 and 2-inch; screen set from 95 to 111 feet.
610	--	--	--	NG	0	Supplied water for drilling oil test.
611	4.3	49.7	Aug. 1, 1941	NG	0	Do.
612	1.0	11.5	Mar. 23, 1939	E	D	Casing: 83 feet of 3-inch; screen set from 83 to 100 feet.
613	2.6	5.7	Mar. 24, 1939	H	D,S	
614	0.5	41.8	Mar. 24, 1939	N	N	
		52.6	Aug. 9, 1941			
615	1.0	5.1	Mar. 29, 1939	N	D	Casing: 20 feet of 4-inch. Water reported in fine-grained red sand.
616	0.5	5.7	do.	G	D,I	Casing: 92 feet of 3-inch.
617	--	--	--	H	D	Casing: 88 feet of 3-inch. Water reported in fine-grained white sand.
618	--	--	--	W,G	D,S	Casing: 140 feet of 3-inch; screen set from 140 to 150 feet.
619	0.3	41.4	May 9, 1939	W	D,S	Screen set at bottom.
		51.9	Aug. 2, 1941			
620	0.5	8.8	Apr. 5, 1939	N	S	
621	--	--	--	G	D,S	Casing: 37 feet of 4-inch. Water reported in fine-grained red sand.
622	2.1	5.4	Mar. 30, 1939	H	D	Casing: 35 feet of 2-inch.

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measure- ment	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
623	2.0	9.1	Mar. 30, 1939	H	D,S	Water reported in fine-grained white sand.
624	--	--	--	W	S	Casing: 35 feet of 2-inch.
625	0.4	3.7	Dec. 20, 1938	W	S	Supplied water for drilling oil test. Casing probably leaks at shallow depth.
626	--	--	--	W	S	Casing: 32 feet of 4-inch.

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
627	2 $\frac{3}{4}$ miles southeast	Maco Stewart	--	--	800+	6	--	--
628	3 miles southeast	do.	Pat O'Day	--	525	4	513	12+
629	3 $\frac{1}{2}$ miles southeast	Pan American Production Co.	J. E. Pomeroy	1936	524	4	476	20
630	3 $\frac{1}{4}$ miles southeast	O. E. Colman	--	1933	110	2 $\frac{1}{2}$	--	--

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
631	2 $\frac{1}{4}$ miles northeast	A. L. Moller	A. L. Moller	1938	95	4	83	12
632	do.	do.	do.	1918	35	4	30	5
633	2 $\frac{1}{2}$ miles north	do.	do.	1938	100	4	87	13
634	2 miles northeast	do.	do.	1938	100	4	87	13
635	2 $\frac{1}{2}$ miles north	Mrs. Sarah Barr	-- Shoate	1908	103	5	--	--
636	2 $\frac{1}{4}$ miles north	Emma Matola	Ben Leining	1933	30	4	--	--
637	do.	Frank Miller	--	1930	32	3	30	2
638	2 $\frac{1}{2}$ miles northwest	D. M. Packard	D. M. Packard	1934	40	2	35	5
639	2 miles northwest	A. E. Schulck	-- James	1913	50	3	--	--
640	2 $\frac{1}{2}$ miles northwest	S. Marlin	--	--	35	3	--	--
641	3 miles northwest	T. A. Thompson	Bob Vandoran	1910	22	1 $\frac{1}{4}$	--	--
642	3 $\frac{1}{2}$ miles northwest	E. A. Powers	E. A. Powers	1934	100	2	95	5
643	3 miles northwest	H. Vondohlen	H. Vondohlen	1933	26	3	--	--
644	3 $\frac{1}{4}$ miles northwest	H. E. Stockwell	H. E. Stockwell	--	30	3	--	--
645	2 $\frac{3}{4}$ miles northwest	H. H. Canter	-- Shultz	1930	137	3	117	20
646	2 $\frac{1}{4}$ miles northwest	John Baty	John Baty	1930	40	4	--	--
647	1 $\frac{1}{2}$ miles northwest	W. K. Fraser	H. H. Ellis	1938	135	4	--	--
648	do.	D. W. Burns	F. R. Conklin	1924	135	6	--	--
649	1 $\frac{1}{2}$ miles north	Paul Trippel	Paul Trippel	1915	22	24	--	--
650	1 mile north	R. E. Hawkins	--	--	30	--	--	--

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measure- ment			
627	4.7	43.1	July 30, 1941	NG	0	Supplied water for drilling oil test.
628	--	--	--	NG	0	Do.
629	3.9	51.9	Apr. 4, 1939	N	N	Casing: 497 feet of 4-inch; screen set from 477 to 497 feet.
	4.3	46.3	July 30, 1941			
630	0.3	5.5	Mar. 23, 1939	E	D,S	Casing: 100 feet of 2 $\frac{1}{2}$ -inch; screen set from 100 to 110 feet. Water reported in fine-grained gray sand.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measure- ment			
631	--	--	--	W	S	Casing: 80 feet of 4-inch.
632	--	--	--	N	N	Casing: 30 feet of 4-inch.
633	--	--	--	W	S	Casing: 85 feet of 4-inch. Water reported in fine-grained white sand.
634	--	--	--	W	S	Casing: 84 feet of 4-inch.
635	--	--	--	H	D	Casing: 103 feet of 5-inch.
636	1.9	5.3	Apr. 3, 1939	H	D	Casing: 30 feet of 4-inch.
637	--	2	Jan. 26, 1939	W	D,S	Casing: 30 feet of 3-inch.
638	--	--	--	H	D	Casing: 35 feet of 2-inch. Water report- ed in fine-grained red sand.
639	1.1	2.2	Jan. 26, 1939	H	--	Casing: 30 feet of 3-inch.
640	--	--	--	H	D	
641	--	--	--	H	D,S	Casing: 22 feet of 1 $\frac{1}{4}$ -inch.
642	--	--	--	W	D,S	Casing: 95 feet of 2-inch.
643	3.3	7.6	Apr. 4, 1939	H	D	Casing: 26 feet of 3-inch.
644	--	--	--	H	D	
645	2.7	15.7	Apr. 5, 1939	H	D	Casing: 117 feet of 3-inch. Water report- ed in fine-grained white sand.
646	--	--	--	W	--	Casing: 20 feet of 4-inch.
647	0.9	12.1	Apr. 4, 1939	E	D,S	Casing: 135 feet of 4-inch.
648	--	--	--	W	D,S	Casing: 135 feet of 6-inch.
649	1.7	5.5	Apr. 3, 1939	H	D	Casing: 22 feet of 24-inch tile. Water reported in fine-grained red sand.
650	--	--	--	W	D,S	Water reported in fine-grained red sand.

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
651	1 mile north	Tony Murello	Louie Campbell	--	125	6	--	--
652	1 mile northwest	D. W. Burns	-- Conklin	1915	135	4	--	--
653	1 $\frac{1}{4}$ miles northwest	do.	--	--	60	4	--	--
654	1 $\frac{1}{2}$ miles northwest	A. D. Albergo	--	1932	150	4	--	--
655	2 $\frac{1}{4}$ miles west	C. H. Gardenhire	C.H. Gardenhire	1936	112	2	104	8
656	2 $\frac{1}{2}$ miles west	Mrs. F. E. Hahn	Geo. Lane	1935	65	3	--	--
657	1 $\frac{1}{4}$ miles northeast	A. L. Moller	A. L. Moller	1938	102	4	90	12
660	3 $\frac{1}{4}$ miles west	Roy Lambden	Ed Powers	1939	70	2	--	--
661	3 miles west	J. H. Meek	J. H. Meek	1915	20	1 $\frac{1}{4}$	--	--
662	2 $\frac{3}{4}$ miles west	Mrs. -- Bady	--	--	30	3	--	--
663	3 $\frac{1}{4}$ miles west	Paul Gamble	--	--	28	4	--	--
664	4 $\frac{1}{2}$ miles southwest	N. W. Pierson	N. W. Pierson	1924	30	2	--	--
665	$\frac{1}{2}$ mile southeast	City of Galveston Well 10-S	--	1893-1894	805	7	754	51
666	6/10 mile southeast	City of Galveston Well 12-S	--	1893-1894	801+	7	757	44
667	1 mile southeast	City of Galveston Well 20-S	--	1893-1894	787+	7	755	32+

No.	Height of		Water level		Method	Use	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)	Date of measure- ment	of lift b/			
651	0.8	5.3	Apr. 5, 1939	E	I	Casing: 125 feet of 6-inch. Water report- ed in fine-grained white sand. Irrigates	
652	--	--	--	W	D,S	Casing: 135 feet of 4-inch.	6 $\frac{1}{2}$ acre truck garden.
653	0.7	2.4	Jan. 26, 1939	W	D,S	Casing: 60 feet of 4-inch tile.	
654	--	--	--	E	D,S	Casing: 150 feet of 4-inch.	
655	--	--	--	--	D,S	Casing: 105 feet of 2-inch.	
656	0.5	12.3	Apr. 6, 1939	H	D	Casing: 65 feet of 3 and 2-inch.	
657	--	--	--	W	S	Casing: 89 feet of 4-inch.	
660	--	--	--	W	D,S	Casing: 70 feet of 2-inch. Water report- ed in fine-grained red sand.	
661	--	--	--	H	D	Casing: 20 feet of 1 $\frac{1}{4}$ -inch.	
662	1.1	6.5	May 9, 1939	E	D,S		
663	0.4	6.1	do.	N	--		
664	2.9	12.1	do.	H	D	Casing: 30 feet of 2-inch.	
665	0	1.9	Dec. 10, 1907 f/	N	N	Casing: 5-foot pit, 750 feet of 7-inch; screen set from 754 to 794 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 23.30 feet.	
		5.3	Aug. 25, 1911 g/				
		11.4	Jan. 19, 1914 g/				
		2.3	June 24, 1939				
		76.2	Aug. 9, 1941				
666	0	1.6	Dec. 10, 1907 f/	N	N	Casing: 7-foot pit, 750 feet of 7-inch; screen set from 757 to 797 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 23.46 feet.	
		4.8	Aug. 25, 1911 g/				
		1.4	June 24, 1939				
		73.4	Aug. 9, 1941				
667	0	*2.2	Dec. 10, 1907 f/	N	N	Casing: 5-foot pit, 750 feet of 7-inch; screen set from 755 to 795 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 22.78 feet.	
		1.2	Aug. 25, 1911 g/				
		2.4	June 24, 1939				
		64.5	Aug. 9, 1941				

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
668	1-2/10 miles southeast	City of Galveston Well 22-S	--	1893- 1894	742	7	--	--
669	1 1/2 miles southeast	City of Galveston Well 26-S	--	1893- 1894	745	9	--	--
670	3/10 mile east	City of Galveston Well 1-N	--	1893- 1894	797	7	757	40
671	do.	City of Galveston Well 3-N	--	1893- 1894	790+ ₋	7	740+ ₋	50
672	do.	City of Galveston Well 5-N	--	1893- 1894	790+ ₋	7	740+ ₋	50
673	3/10 mile northeast	City of Galveston Well 7-N	--	1893- 1894	790+ ₋	7	740+ ₋	50
674	do.	City of Galveston Well 9-N	--	1893- 1894	790+ ₋	7	740+ ₋	50

No.	Height of benchmark		Water level		Method of lift	Use of water	Remarks
	above ground (ft.)	a/	Below bench mark (ft.)	Date of measurement			
668	0		+2.0	Dec. 10, 1907	N	N	Casing: 5-foot pit, 750 feet of 7-inch; 40 feet of screen at bottom. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 22.65 feet.
			0.4	Aug. 25, 1911			
			6.8	Jan. 20, 1914			
	0.5		47.3	June 24, 1939			
			62.2	Aug. 9, 1941			
669	0		+2.4	Dec. 10, 1907	N	N	Casing: 4-foot pit, 750 feet of 9-inch; 40 feet of screen at bottom. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 22.21 feet.
			0.9	Aug. 25, 1911			
	1.0		40.0	June 24, 1939			
			62.3	Aug. 9, 1941			
670	0		2.6	Dec. 10, 1907	--	--	Casing: 7-foot pit, 750 feet of 7-inch, screen set from 757 to 797 feet. Water level reported 26 feet above surface in 1893-94 f/. Filled and abandoned. Approximate altitude at well, 22.56 feet.
			8.8	Aug. 25, 1911			
			11.5	Jan. 19, 1914			
671	0		2.7	Dec. 10, 1907	N	N	Casing: 8-foot pit, 750 feet of 7-inch; screen set from 758 to 798 feet. Water level reported 26 feet above surface in 1893-94 f/. Screen plugged at present. Approximate altitude at well, 22.12 feet.
			9.6	Aug. 25, 1911			
672	0		2.4	Dec. 10, 1907	N	N	Casing: 7-foot pit, 750 feet of 7-inch; screen set from 757 to 797 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 21.55 feet.
			7.7	Aug. 25, 1911			
	2.2		50.2	June 24, 1939			
			81.8	Aug. 9, 1941			
673	0		2.3	Dec. 10, 1907	N	N	Casing: 7-foot pit, 750 feet of 7-inch; screen set from 757 to 797 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 21.08 feet.
			6.0	Aug. 25, 1911			
	3.2		50.6	June 24, 1939			
			80.7	Aug. 9, 1941			
674	0		0.6	Dec. 10, 1907	N	N	Casing: 6-foot pit, 750 feet of 7-inch; screen set from 756 to 796 feet. Water level reported 26 feet above surface in 1893-94 f/. Approximate altitude at well, 19.57 feet.
			3.0	Aug. 25, 1911			
	3.4		50.9	June 24, 1939			
			78.9	Aug. 9, 1941			

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
675	4/10 mile northeast	City of Galveston Well 11-N	--	1893- 1894	790+ _	7	740+ _	50
676	do.	City of Galveston Well 13-N	--	1893- 1894	860+ _	7	740+ _	120
677	6/10 mile northeast	City of Galveston Well 15-N	--	1893- 1894	790+ _	7	740+ _	50
678	7/10 mile northeast	City of Galveston Well 17-N	--	1893- 1894	790+ _	7	740+ _	50
679	9/10 mile northeast	City of Galveston Well 19-N	--	1893- 1894	790+ _	7	740+ _	50
680	1-1/10 mile northeast	City of Galveston Well 21-N	--	1893- 1894	740+ _	7	740	50

No.	Height of benchmark above ground (ft.) <u>a/</u>	Water level Below bench mark (ft.)	Date of measurement	Method of lift <u>b/</u>	Use of water <u>c/</u>	Remarks
675	0	0.9	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 4-foot pit, 750 feet of 7-inch; screen set from 754 to 794 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Approximate altitude at well 18.66 feet.
		1.9	Aug. 25, 1911 <u>g/</u>			
	4.0	50.5	June 24, 1939			
		75.1	Aug. 9, 1941			
676	0	+1.3	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 3-foot pit, 820 feet of 7-inch; screen set from 823 to 863 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Always yielded water high in chloride content. Plugged. Approximate altitude at well, 19.34 feet.
		2.7	Aug. 25, 1911 <u>g/</u>			
677	0	+2.7	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 3-foot pit, 750 feet of 7-inch; screen set from 753 to 793 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Approximate altitude at well, 18.21 feet.
		0.7	Aug. 25, 1911 <u>g/</u>			
		7.8	Nov. 16, 1913 <u>g/</u>			
	1.1	48.5	June 24, 1939			
		69.9	Aug. 9, 1941			
678	0	+2.9	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 3-foot pit; 750 feet of 7-inch; screen set from 753 to 793 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Approximate altitude at well, 18.29 feet.
		1.0	Aug. 25, 1911 <u>g/</u>			
		7.2	Nov. 16, 1913 <u>g/</u>			
	0.7	48.2	June 24, 1939			
		64.9	Aug. 9, 1941			
679	0	+3.7	Dec. 10, 1907 <u>f/</u>	N	N	Casing. 2-foot pit, 750 feet of 7-inch; screen set from 752 to 792 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Approximate altitude at well, 17.89 feet.
		1.6	Aug. 25, 1911 <u>g/</u>			
	1.0	46.5	June 24, 1939			
		54.8	Aug. 9, 1941			
680	0	+2.8	Dec. 10, 1907 <u>f/</u>	N	N	Casing: 2-foot pit, 750 feet of 7-inch; screen set from 752 to 792 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Approximate altitude at well, 18.78 feet.
		0.2	Aug. 25, 1911 <u>g/</u>			
		6.4	Nov. 16, 1913 <u>g/</u>			

Records of wells and springs in Galveston County--Continued

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
681	1.2 miles northeast	City of Galveston Well 23-N	--	1893- 1894	790+ _	7	740+ _	50
682	1.3 miles northeast	City of Galveston Well 25-N	--	1893- 1894	790+ _	7	740+ _	50
683	1.4 miles northeast	City of Galveston Well 27-N	--	1893- 1894	790+ _	7	740+ _	50
684	1.5 miles northeast	City of Galveston Well 29-N	--	1893- 1894	790+ _	7	740+ _	50
685	1.7 miles northeast	City of Galveston Well 31-N	--	1893- 1894	790+ _	9	740+ _	50
686	1.8 miles northeast	City of Galveston Well 33-N	--	1893- 1894	790+ _	9	740+ _	50
687	1 3 miles southeast	City of Galveston Well 8	Layne-Texas	1935	884	20	671	209
688	In Alta Loma	City of Galveston Test Well 1	do.	1941	1,066	4	690	187
689	2 1/2 miles northeast	City of Galveston Test Well 2	do.	1941	1,221	4	680	120
690	4 miles southeast	City of Galveston Test Well 3	do.	1941	1,181	--	680	345
691	In Hitchcock	City of Galveston Test Well 3-A	do.	1941	940	2	655	285

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller; either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of benchmark above ground (ft.)	Water level		Method of lift	Use of water	Remarks
		Below bench mark (ft.)	Date of measurement			
681	0	+1.9	Dec. 10, 1907	N	N	Casing: 3-foot pit, 750 feet of 7-inch; screen set from 753 to 793 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Screen plugged August 9, 1941. Approximate altitude at well, 18.71 feet.
		1.4	Aug. 25, 1911			
		7.3	Nov. 16, 1914			
		0.4	June 24, 1939			
682	0	0.6	Dec. 10, 1907	--	--	Casing: 4-foot pit, 750 feet of 7-inch; screen set from 754 to 794 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Filled and abandoned. Approximate altitude at well, 20.93 feet.
		2.5	Aug. 25, 1911			
		8.7	Nov. 16, 1914			
683	0	1.5	Dec. 10, 1907	--	--	Casing: 5-foot pit, 750 feet of 7-inch; screen set from 755 to 795 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Filled and abandoned. Approximate altitude at well, 22.06 feet.
		5.8	Aug. 25, 1911			
		8.1	Dec. 20, 1914			
684	0	0.6	Dec. 10, 1907	--	--	Casing: 4-foot pit, 750 feet of 7-inch; screen set from 754 to 794 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Filled and abandoned. Approximate altitude at well 20.59 feet.
		1.7	Aug. 25, 1911			
685	0	2.3	Dec. 10, 1907	--	--	Casing: 5-foot pit, 750 feet of 9-inch; screen set from 755 to 795 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Filled and abandoned. Approximate altitude at well, 23.15 feet.
		3.8	Aug. 25, 1911			
		9.2	Jan. 20, 1914			
686	0	4.7	Dec. 10, 1907	--	--	Casing: 6-foot pit, 750 feet of 9-inch; screen set from 756 to 796 feet. Water level reported 26 feet above surface in 1893-94 <u>f/</u> . Filled and abandoned. Approximate altitude at well 25.16 feet.
		5.8	Aug. 25, 1911			
687	1.7	43.3	June 24, 1939	E	P	Casing: 665 feet of 20-inch, 274 feet of 13-inch with 55-foot lap into 20-inch; screen set from 703 to 884 feet. See log.
688	0.7	69.6	Mar. 15, 1941	N	N	Casing: 874 feet of 4-inch; screen set from 864 to 374 feet. See electric log.
689	1.1	57.0	June 16, 1941	N	N	Casing: 870 feet of 4-inch; screen set from 850 to 870 feet. See electric log.
690	--	--	--	--	--	Filled and abandoned; offset well 3-A drilled 70 feet east. See electric log.
691	1.6	43.7	Mar. 14, 1941	N	N	Casing: 940 feet of 2-inch; screen set from 930 to 940 feet. See electric log.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Doussan, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Texas City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
692	3.0 miles southwest	Carbide & Carbon Chemical Co. Test Well 1	Layne-Texas	1941	1,031	3	779	240
693	do.	Carbide & Carbon Chemical Co. Test Well 2	do.	1941	1,010	3	752	254
694	2 $\frac{3}{4}$ miles southwest	Carbide & Carbon Chemical Co. Well 3	do.	1940	1,016	18	792	223
695	do.	Carbide & Carbon Chemical Co. Well 4	do.	1940	690	18	641	40
696	do.	Carbide & Carbon Chemical Co. Well 2	do.	1940	1,025	18	750	268
697	do.	Carbide & Carbon Chemical Co. Well 1	do.	1940	1,000	18	768	219
698	$\frac{1}{2}$ mile south	Republic Oil Ref. Co. Well 2	do.	1939	1,009	18	816 849 865	28 6 144
699	6 $\frac{1}{2}$ miles northwest	Pure Oil Company	L. Patterson	1940	672	6	640	32

No.	Distance from League City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
700	7 $\frac{1}{2}$ miles west	Chester Eignus	Seagraves Oil Co.	1940	425	4	--	--
701	1 mile west	J. H. Ross	Pat O'Day	1939	600	6	450	150
702	do.	do.	do.	1939	102	4	82	20
703	In League City	League City	Layne-Texas	1940	701	8	615	75
704	3 miles northwest	League Est.	Continental Oil Co.	1940	552	4	530	20
705	4 miles northwest	J. M. Robinson	--	--	545	6	--	--

- a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.
- b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.
- c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of Water level		Date of measurement	Method of lift	Use of water	Remarks
	Height of benchmark above ground (ft.)	Water level below bench mark (ft.)				
692	2.1	62.0	Aug. 12, 1941	N	N	Casing: 1,005 feet of 3-inch; screen set from 983 to 998 feet. See log.
693	--	--	--	N	N	Casing: 1,005 feet of 3-inch; screen set from 984 to 999 feet. See log.
694	--	--	--	I,E	I	Casing: 850 feet of 18-inch; 279 feet of 10-inch with lap of 110 feet into 18-inch; screen set from 858 to 1,008 feet. See log.
695	--	--	--	I,E	I	Casing: 292 feet of 18-inch, 505 feet of 10-inch with 104-foot lap into 18-inch; screens set from 302 to 312, 376 to 391, 423 to 433, 466 to 475, 492 to 512, 533 to 541, 550 to 560, 573 to 593, 624 to 633, and 642 to 682 feet. See log.
696	--	--	--	I,E	I	Casing: 843 feet of 18-inch, 274 feet of 10-inch with 100-foot lap into 18-inch; screen set from 856 to 1,007 feet. See log.
697	--	--	--	I,E	I	Casing: 768 feet of 18-inch, 335 feet of 10-inch with 103-foot lap into 18-inch; screens set from 781 to 825, 847 to 870, 893 to 915 and 929 to 989 feet. See log.
698	--	--	--	I,E	I	Casing: 820 feet of 18-inch, 298 feet of 10-inch with 104-foot lap into 18-inch; screens set from 824 to 835, 888 to 899
699	6.2	61.6	Aug. 8, 1941	NG	I	Casing: and 909 to 939 feet. See log. 672 feet of 6-inch; screen set from 641 to 671 feet. See log.

No.	Height of Water level		Date of measurement	Method of lift	Use of water	Remarks
	Height of benchmark above ground (ft.)	Water level below bench mark (ft.)				
700	5.0	65.2	July 21, 1941	N	N	Supplied water for drilling oil test.
701	--	--	--	E	D,S	Casing: 426 feet of 6-inch, 174 feet of 4-inch; screen set from 568 to 590 feet.
702	--	--	--	W	S	See log.
703	--	--	--	I,E	P	Casing: 608 feet of 8-inch, 117 feet of 6-inch with 23-foot lap into 3-inch; screen set from 617 to 692 feet. See log.
704	1.1	59.2	July 25, 1941	N	N	Casing: 551 feet of 4-inch; screen set from 530 to 551 feet.
705	1.7	53.5	do.	I,E	D	

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Doussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U.S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from Dickinson	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
706	3 $\frac{3}{4}$ miles northwest	Phillips Petroleum Co.	McCarthy Drilling Co.	1938	680+	8	--	--
707	do.	do.	do.	1939	440+	4	--	--
708	do.	do.	do.	1939	700+	4	--	--
709	4 $\frac{1}{2}$ miles northwest	do.	do.	1939	700+	6	--	--

No.	Distance from Alta Loma	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
710	3 miles southwest	Stanolind Oil & Gas Co.	L. Patterson	1940	744	4	690	54
711	do.	do.	--	1940	720+	5	--	--
712	4 miles southwest	do.	Noble Drilling Co.	1941	758	4	691	67
713	7 $\frac{1}{2}$ miles southeast	Sun Oil Co. Well 4	Homer Wright	1940	937	6	--	--
714	do.	Sun Oil Co. Well 3	do.	1940	937	5	--	--
715	do.	Sun Oil Co. Well 5	do.	1940	930+	5	--	--

No.	Distance from Galveston	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
720	Port Bolivar	Santa Fe R.R.	Layne-Texas	--	400	12	--	--
721	Fort Travis	War Department	--	--	600	--	--	--
722	10 miles northwest	A. Johnson	A. Franklin	--	580	--	--	--
723	12 $\frac{3}{4}$ miles northwest	The Texas Co.	L. Patterson	1940	441	8	417	24
724	12 miles northwest	E. W. Boyt	--	1940	12	2	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR railroad; N, not used.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment	of lift <u>b/</u>	of water <u>c/</u>	
706	--	--	--	N	N	Supplied water for drilling oil test.
707	4.3	12.6	Aug. 2, 1941	N	N	Do.
708	4.8	57.0	do.	N	N	Do.
709	3.6	52.6	do.	N	N	Do.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment	of lift <u>b/</u>	of water <u>c/</u>	
710	2.8	50.7	July 23, 1941	N	N	Casing: 744 feet of 4-inch; screen set from 701 to 744 feet. See log.
711	0.7	34.5	do.	N	N	Supplied water for drilling oil test.
712	--	--	--	NG	I	Casing: 756 feet of 4-inch; screen set from 732 to 756 feet. See log.
713	--	--	--	NG	I	Supplied water for drilling oil test.
714	4.5	26.2	July 22, 1941	N	N	Casing: 911 feet of 5-inch; screen set from 878 to 909 feet. See log.
715	8.3	30.1	do.	N	N	Casing: 935 feet of 5-inch; screen set from 904 to 934 feet. See log.

No.	Height of	Water level		Method	Use	Remarks
	benchmark above ground (ft.) <u>a/</u>	Below bench mark (ft.)	Date of measure- ment	of lift <u>b/</u>	of water <u>c/</u>	
720	2.6	13.4	June 18, 1941	N	N	
721	--	--	--	W	D	
722	--	--	--	--	--	Filled and abandoned. Water reported too salty for use.
723	--	--	--	--	--	Casing: 77 feet of 8-inch, 411 feet of 5-inch with 77-foot lap into 8-inch; screen set from 410 to 441 feet. Filled
724	--	--	--	W	S	and abandoned. See log.

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Records of wells and springs in Galveston County--Continued

No.	Distance from High Island	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Principal water-bearing bed	
							Depth to top of bed (ft.)	Thickness (ft.)
725	$\frac{1}{4}$ mile northeast	--	--	-- Spring	--	--	--	--
726	$\frac{1}{2}$ mile east	Geo. Smith	Geo. E. Smith	1884	32	$4\frac{1}{2}$	--	--
727	$\frac{3}{4}$ mile southeast	T. C. Kade Est.	--	1900	320	6	--	--
728	do.	Geo. Smith	-- Derby	1939	61	$2\frac{1}{2}$	--	--
729	$\frac{1}{2}$ mile south	--	--	-- Spring	--	--	--	--
730	$\frac{1}{4}$ mile south	--	--	-- Spring	--	--	--	--
731	do.	--	--	-- Spring	--	--	--	--
732	$1\frac{1}{2}$ miles south	Stanolind Oil & Gas Co.	Gulf Oil Corp.	1930	208	8	185	23
733	$2\frac{3}{4}$ miles southwest	T. C. Kade Est.	John Gunn	1916	260	4	--	--
734	$4\frac{1}{4}$ miles southwest	do.	do.	1916	260	$2\frac{1}{2}$	--	--
735	$5\frac{1}{2}$ miles southwest	-- Pierce Est.	do.	1916	260	$2\frac{1}{2}$	--	--
736	$6\frac{1}{2}$ miles southwest	T. C. Kade Est.	--	1940	8	48	--	--
737	$7\frac{1}{2}$ miles southwest	Roy Kenedy	--	1940	258	$1\frac{1}{2}$	250	8
738	$7\frac{3}{4}$ miles southwest	Mrs. Frank Keith	--	1939	264	$1\frac{1}{4}$	256+	8+
739	8 miles southwest	C. W. Landaile	Sun Oil Co.	1938	500	4	440+	60+
740	do.	--	--	--	9	84	--	--
741	$9\frac{3}{4}$ miles southwest	Ed. Linn	--	1940	12	48	--	--
742	$10\frac{3}{4}$ miles southwest	Sun Oil Co.	Sun Oil Co.	1939	321	--	--	--
743	$10\frac{1}{2}$ miles southwest	do.	do.	1939	--	--	--	--
744	$10\frac{3}{4}$ miles southwest	do.	do.	1940	257	5	205	38
745	do.	do.	do.	1939	270	5	198	55
746	$12\frac{3}{4}$ miles southwest	Joe Ackins Est.	--	1937	283	6	--	--
747	16 miles southwest	W. D. Blalock	Alford Roheck	1937	8	$1\frac{1}{4}$	--	--

a/ Bench mark is point from which water level measurement was made and was usually top of casing, top of well curb or top of pump base.

b/ A, air lift; B, bucket; I, impeller, either turbine or centrifugal; E, electric; G, gasoline or oil engine; H, hand; NG, natural gas; W, windmill; N, none.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; O, oil field; P, public; RR, railroad; N, not used.

No.	Height of Water level		Date of measure- ment	Method of lift b/	Use of water c/	Remarks
	benchmark above ground (ft.) a/	Below bench mark (ft.)				
725	--	--	--	--	--	Formerly used by railroad. Covered and destroyed.
726	2.0	4.4	June 17, 1941	H	D	Dug well; concrete casing.
727	--	--	--	--	--	Formerly flowed. Filled and abandoned.
728	--	--	--	E	S	
729	--	--	--	--	--	Reported ceased flowing about 1930. Covered.
730	--	--	--	Flows	S	8x8x6-foot wooden collecting basin.
731	--	--	--	Flows	--	
732	--	--	--	--	--	Casing: 208 feet of 8-inch; screen set from 187 to 207 feet. Filled and abandoned. See log.
733	4.9	0.0	June 17, 1941	N	N	
734	--	--	--	--	--	Filled and abandoned.
735	0.2	--	do.	Flows	N	
736	0	2.8	do.	E	D	Dug well. Wood casing.
737	0.3	1.9	May 29, 1941	E	D	
738	0.3	1.8	do.	E	D	
739	0.4	0.0	June 17, 1941	N	N	Drilled to 1,000 feet, but plugged back at 500 feet.
740	0	6.2	do.	W	S	Dug well. Wood casing.
741	0.2	7.8	June 13, 1941	W	D	Dug well. Concrete casing.
742	--	--	--	A,NG	Ind	Casing: 305 feet of 5-inch; screen set from 243 to 305 feet. See log.
743	--	--	--	A,NG	D	
744	--	--	--	--	--	Casing: 264 feet of 5-inch; screen set from 204 to 257 feet. See log.
745	--	--	--	A,NG	--	Casing: 255 feet of 5-inch; screen set from 198 to 254 feet. See log.
746	2.6	0.7	Aug. 23, 1941	--	--	
747	--	--	--	H	D,S	

d/ Reported by driller.

e/ Singley, J. A., Preliminary report on the artesian wells of the Gulf Coast slope: Geological Survey of Texas, 4th Annual Report, pp. 97-105, 1893.

f/ Deussen, Alexander, Geology and underground waters of the southeastern part of the Texas Coastal Plain: U. S. Geological Survey Water-Supply Paper 335, pp. 154-176, 1914.

g/ Records from Galveston City Engineer.

Table of Drillers' Logs, Galveston County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 1</u>		
Chester Eignus, 7-3/4 miles west of League City.		
Soil and clay - - -	40	40
Sand - - - -	11	51
Clay - - - -	19	70
Sand - - - -	10	80
Clay - - - -	10	90
Sand - - - -	5	95
Soft shale - - -	60	155
Hard shale - - -	41	196
Gumbo - - - -	30	226
Shale - - - -	70	296
Clay - - - -	104	400
Sand - - - -	200	600

<u>Driller's log of well 3</u>		
Mrs. Annette Voss, 5-3/4 miles west of League City.		
Clay - - - -	128	128
Sand - - - -	6	134
Clay - - - -	23	157
Sand - - - -	12	169
Clay and shells- -	14	183
Gumbo - - - -	36	219
Soft clay - - -	43	262
Tough gumbo- - -	97	359
Sand - - - -	11	370
Gumbo - - - -	31	401
Clay and shells- -	12	413
Hard layer - - -	2	415
Gumbo - - - -	26	441
Sand - - - -	41	482
Clay - - - -	6	488
Sand - - - -	9	497
Clay - - - -	9	506
Sand - - - -	149	655
Clay - - - -	13	668
Sand - - - -	23	691
Clay - - - -	14	705
Sand - - - -	50	755
Clay - - - -	8	763

<u>Driller's log of well 16</u>		
Cecil Brown, 6 1/2 miles west of League City.		
Surface soil - - -	3	3
White clay- - -	5	8
Red clay - - -	79	87
Sandy clay- - -	5	92

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 16--Continued</u>		
Clay- - - -	5	97
Sand- - - -	2	99
Clay- - - -	9	108
Sand- - - -	3	111
Clay- - - -	7	118
Sand- - - -	2	120
Clay- - - -	2	122
Sand- - - -	3	125
Clay- - - -	2	127
Fine-grained sand -	32	159
Soft gray shale - -	36	195
Shale - - - -	14	209
Soft shale - - -	37	246
Shale - - - -	131	377
Fine-grained gray sand-	27	404
Shale - - - -	5	409
Sand- - - -	3	412
Shale - - - -	19	431
Sand- - - -	131	562

<u>Driller's log of well 26</u>		
G. H. & H. R.R., League City.		
Soil - - - -	8	8
Yellow clay- - -	92	100
Blue shale - - -	10	110
Fine-grained sand -	4	114
Blue clay - - -	46	160
Sand- - - -	5	165
Clay and gravel- -	5	170
Hard clay - - -	10	180
Clay- - - -	22	202
Sand- - - -	8	210
Clay and gravel- -	15	225
Blue clay - - -	37	262
Fine-grained sand -	23	285
Blue clay - - -	105	390
Blue sandy clay- -	60	450
Sand - - - -	20	470
Blue clay - - -	30	500
Blue sand - - -	8	508
Hard clay - - -	15	523
Rock- - - -	1	524
Clay- - - -	121	645
Sandy clay - - -	45	690
Rock- - - -	3	693
Clay- - - -	7	700
Good water sand- -	30	730
Clay- - - -	30	760
Blue clay - - -	40	800

(Continued on next page)

Table of Drillers' Logs, Galveston County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Driller's log of well 26--Continued</u>				<u>Driller's log of well 85--Continued</u>			
Blue sandy clay-	-	130	930	Sand - - - -	-	5	100
Clay and gravel-	-	5	935	Red clay - - -	-	92	192
Good coarse sand	-	40	975	Gumbo - - - -	-	6	198
Sand and gravel-	-	45	1020	Rock- - - - -	-	11	209
<u>Driller's log of well 70</u>				Sand- - - - -	-	12	221
Humble Oil and Refining Company, 6 miles northeast of Dickinson.				Rock- - - - -	-	6	227
Clay - - - -	-	78	78	Hard and soft clay -	-	49	276
Sand- - - - -	-	34	112	Clay and gumbo - -	-	147	423
Shale - - - -	-	42	154	Sand rock - - - -	-	17	440
Sand- - - - -	-	19	173	Packed sand- - - -	-	9	449
Shale - - - -	-	327	500	Hard sand rock - -	-	4	453
Sand- - - - -	-	127	627	Sand - - - - -	-	45	498
Shale - - - -	-	103	730	Gumbo - - - - -	-	51	549
Sand- - - - -	-	22	752	Sand rock - - - -	-	6	555
Shale - - - -	-	14	766	Gumbo - - - - -	-	62	617
<u>Driller's log of well 83</u>				Sand - - - - -	-	60	677
Mo-P. R.R., 6 miles west of Alta Loma.				Rock - - - - -	-	2	679
Soil and clay - -	-	36	36	Sand - - - - -	-	14	693
Sand - - - - -	-	6	42	Gravel - - - - -	-	43	736
Clay - - - - -	-	78	120	Gumbo - - - - -	-	20	756
Rock - - - - -	-	3	123	Clay and boulders -	-	5	761
Sandy clay - - -	-	6	129	Gumbo - - - - -	-	17	778
Rock and hard sand	-	4	133	Sand rock - - - -	-	5	783
Sandy clay - - -	-	5	138	Shale and gumbo-	-	9	792
Gumbo - - - - -	-	103	241	Sand rock - - - -	-	4	796
Sandy clay - - -	-	20	261	Gumbo - - - - -	-	77	873
Blue shale - - -	-	19	280	Gravel - - - - -	-	8	881
Sandy clay - - -	-	10	290	Gumbo - - - - -	-	2	883
Blue shale - - -	-	20	310	Sand rock - - - -	-	34	917
Gumbo - - - - -	-	15	325	Hard clay - - - -	-	10	927
Red and blue clay	-	38	363	Gumbo - - - - -	-	56	983
Rock - - - - -	-	2	365	Sand - - - - -	-	13	996
Sand- - - - -	-	5	370	Gumbo - - - - -	-	8	1004
Rock- - - - -	-	3	373	Soft rock - - - -	-	6	1010
Gravel and clay-	-	13	386	Gravel - - - - -	-	19	1029
Clay and gumbo -	-	97	483	Gumbo - - - - -	-	10	1039
Sandy clay - - -	-	11	494	Coarse sand- - - -	-	33	1072
Clay and gumbo -	-	128	622	Hard rock - - - -	-	3	1075
Water-bearing sand	-	21	643	Gumbo - - - - -	-	4	1079
Clay - - - - -	-	7	650	Coarse sand - - - -	-	6	1085
<u>Driller's log of well 85</u>				Gumbo - - - - -	-	22	1107
Algoa Townsite Co., 5 miles northwest of Alta Loma.				Sand, gravel and shell- - - - -	-	21	1128
Clay and soil - -	-	36	36	Gumbo - - - - -	-	10	1138
Sand - - - - -	-	14	50	Sand - - - - -	-	42	1180
Clay - - - - -	-	45	95	Gumbo - - - - -	-	37	1217
				Sand - - - - -	-	9	1226
				Gumbo - - - - -	-	30	1256
				Rock - - - - -	-	5	1261
				Sand - - - - -	-	37	1298
				Gumbo - - - - -	-	4	1302
				Hard sand - - - -	-	14	1316

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Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 85--Continued</u>		
Very hard rock - - -	3	1319
Hard sand - - -	14	1333
Soft gumbo - - -	3	1336
Soft sand - - -	19	1355
Hard sand - - -	4	1359
Rock- - - -	3	1362

<u>Driller's log of well 108</u>		
Dickinson Ice Co., $\frac{1}{4}$ mile northwest of Dickinson.		
Clay- - - -	10	10
Sand- - - -	20	30
Clay- - - -	50	80
Sand- - - -	90	170
Clay- - - -	40	210
Shale - - - -	246	456
Fine-grained sand -	41	497
Sand- - - -	20	517
Gumbo - - - -	14	531
Sand- - - -	41	572
Gumbo - - - -	4	576

<u>Driller's log of well 191</u>		
A. E. Danialson, $7\frac{1}{4}$ miles northwest of Texas City.		
Clay - - - -	65	65
Sand - - - -	22	87
Shale - - - -	44	131
Sandy shale- - -	45	176
Shale - - - -	229	405
Sandy shale- - -	45	450
Shale - - - -	30	480
Fine-grained sand -	25	505
Shale - - - -	75	580
Coarse-grained sand-	84	664
Shale - - - -	2	666

<u>Driller's log of well 195</u>		
Franz Kohfeldt, $4\frac{1}{2}$ miles northwest of Texas City.		
Clay - - - -	20	20
Sand- - - -	22	42
Shale - - - -	18	60
Sand- - - -	24	84
Shale - - - -	326	410
Sand- - - -	15	425
Shale - - - -	85	510
Sand and shale - -	25	535
Shale - - - -	20	555
Sand - - - -	86	641

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 204</u>		
G.H.& H. R.R., 4 miles west of Texas City.		
Clay - - - -	52	52
Sand - - - -	13	65
Gumbo - - - -	175	240
Shell - - - -	25	265
Gumbo - - - -	85	350
Shell - - - -	15	365
Gumbo - - - -	110	475
Fine-grained sand -	23	498
Gumbo - - - -	94	592
Shell - - - -	10	602
Gumbo - - - -	138	740
Fine-grained sand -	44	784
Fine-grained gray sand-	36	820
Gray sand - - -	40	860
Hard layer - - -	1	861
Coarse-grained sand-	35	896
Coarse-grained sand and gumbo - - - -	13	909

<u>Driller's log of well 205</u>		
G.H.& H. R.R., 4 miles west of Texas City.		
Soil- - - -	1	1
Clay - - - -	50	51
Sand- - - -	15	66
Gumbo - - - -	185	251
Shell - - - -	25	276
Gumbo - - - -	85	361
Shell - - - -	20	381
Gumbo - - - -	110	491
Fine-grained sand -	23	514
Gumbo - - - -	104	618
Shell - - - -	20	638
Gumbo - - - -	138	776
Fine-grained dark sand - - - -	44	820
Gray sand - - -	40	860
Coarse-grained sand-	49	909
Gumbo - - - -	5	914

<u>Driller's log of well 206</u>		
A. J. Biron, $3\frac{1}{2}$ miles west of Texas City.		
Soil - - - -	4	4
Clay - - - -	18	22
Clay and sand - -	20	42
Clay - - - -	46	88
Sand - - - -	14	102
Clay - - - -	62	164
Sand - - - -	10	174

(Continued on next page)

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 206--Continued</u>		
Clay - - - -	33	207
Clay and gumbo - -	65	272
Soft clay and sand -	22	294
Sand - - - -	54	348
Clay - - - -	15	363
Sand - - - -	21	384
Clay - - - -	42	426
Sand - - - -	29	455
Clay - - - -	21	476
Sand - - - -	14	490
Clay - - - -	12	502
Sand - - - -	3	505
Clay and gumbo - -	49	554
Sand with hard layers--	15	569
Gumbo - - - -	30	599
Sand - - - -	12	611
Clay - - - -	5	616
Sand - - - -	3	619
Clay - - - -	10	629
Sand - - - -	3	632
Clay - - - -	20	652
Fine-grained sand -	35	687
Clay and gumbo - -	34	721
Clay and shell - -	98	819
Sand - - - -	3	822
Clay and sand - -	6	828
Fine-grained sand -	16	844
Sand - - - -	51	895
Clay and shell - -	16	911
Hard clay - - - -	1	912
Clay and shell - -	14	926

Driller's log of well 224Community Public Service Co., 3/4 mile
northwest of Texas City.

Soil and clay - -	6	6
Sand - - - -	26	32
Clay - - - -	20	52
Sand - - - -	9	61
Shale - - - -	31	92
Sand - - - -	24	116
Soft shale - - -	45	161
Hard shale - - -	41	202
Shale - - - -	332	534
Sand - - - -	36	570
Gumbo - - - -	69	639
Clay - - - -	32	671
Sand - - - -	38	709
Clay - - - -	15	724
Sand - - - -	2	726
Clay - - - -	64	790

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 224--Continued</u>		
Sand - - - -	40	830
Clay - - - -	18	848
Sand - - - -	190	1038
Clay - - - -	1	1039

Driller's log of well 225Community Public Service Co., 1 mile
northwest of Texas City.

Soil - - - -	3	3
Sand - - - -	29	32
Sandy clay - - -	19	51
Red and yellow clay-	37	88
Clay - - - -	77	165
Gumbo - - - -	64	229
Shale - - - -	34	263
Gumbo - - - -	26	289
Shale - - - -	73	362
Gumbo - - - -	194	556
Packed sand- - -	20	576
Gumbo - - - -	121	697
Sand - - - -	35	732
Gumbo - - - -	10	742
Sand - - - -	27	769
Gumbo - - - -	22	791

Driller's log of well 226Community Public Service Co., 3/4 mile
north of Texas City.

Soil and clay - -	10	10
Sand - - - -	143	153
Clay - - - -	28	181
Hard shale - - -	40	221
Soft shale - - -	161	382
Hard shale - - -	41	423
Gumbo - - - -	127	550
Sand - - - -	23	573
Gumbo - - - -	42	615
Soft clay - - -	59	674
Sand - - - -	91	765
Clay - - - -	6	771
Sand - - - -	29	800
Blue clay - - -	12	812

Driller's log of well 227Community Public Service Co., 3/4 mile
northwest of Texas City.

Sandy clay - - -	12	12
Sand - - - -	68	80
Clay - - - -	8	88
Sand - - - -	40	128
Clay - - - -	302	430

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Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 227--Continued</u>		
Gumbo - - - -	118	548
Sand - - - -	24	572
Gumbo - - - -	105	677
Sand - - - -	36	713
Gumbo - - - -	9	722
Sand - - - -	44	766
Gumbo - - - -	17	783

Driller's log of well 230

Pan American Refining Co., 2 miles west of Texas City. Well 1.

Surface soil - -	8	8
Sand- - - -	26	34
Clay- - - -	67	101
Fine-grained sand -	12	113
Gumbo - - - -	74	187
Hard sand - - -	15	202
Gumbo - - - -	50	252
Hard sand and shale-	29	281
Sand and gravel- -	6	287
Shale - - - -	22	309
Gumbo - - - -	6	315
Shale - - - -	76	391
Sandy shale- - -	49	440
Sand and gravel- -	20	460
Gumbo - - - -	11	471
Sand and gravel- -	12	483
Gumbo - - - -	53	536
Sand and gravel- -	34	570
Gumbo - - - -	41	611

Driller's log of well 231Texas Sugar Refining Co., $\frac{1}{2}$ mile south-east of Texas City.

Soil- - - -	15	15
Red sand - - -	30	45
Clay- - - -	15	60
Gray sand - - -	20	80
Clay- - - -	40	120
Gray sand - - -	95	215
Clay- - - -	15	230
Gray sand - - -	50	280
Clay- - - -	75	355
Sand- - - -	45	400
Clay- - - -	20	420
Hard shell or rock -	5	425
Sand- - - -	80	505
Hard sand and shell-	15	520
Sand- - - -	10	530
Clay- - - -	5	535
Sand- - - -	47	582

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 232</u>		
Texas Sugar Refining Co., $\frac{1}{2}$ mile south-east of Texas City.		
Surface soil - -	10	10
Red sand - - -	35	45
Clay- - - -	10	55
Gray muddy sand -	30	85
Clay - - - -	35	120
Gray sand - - -	56	176
Sand - - - -	44	220
Clay - - - -	10	230
Sand - - - -	60	290
Clay and rotten shale - - -	72	362
Sand - - - -	30	392
Hard packed sand and shell - -	144	536
Clay - - - -	10	546
Sand - - - -	62	608
Gumbo - - - -	2	610

Driller's log of well 233Texas Sugar Refining Co., $\frac{1}{2}$ mile south-east of Texas City.

Soil - - - -	3	3
Clay - - - -	5	8
Red sand - - -	10	18
Clay - - - -	22	40
Sand - - - -	20	60
Red shale - - -	30	90
Sand and shale- -	52	142
Clay - - - -	12	154
Sand - - - -	41	195
Clay - - - -	10	205
Blue shale- - -	215	420
Sand - - - -	58	478
Clay - - - -	25	503
Sand - - - -	44	547
Gumbo - - - -	42	589

Driller's log of well 234Texas City Terminal Ry., $\frac{3}{4}$ mile southeast of Texas City.

Sandy clay- - -	100	100
Shale - - - -	10	110
Sand - - - -	11	121
Clay - - - -	294	415
Sand - - - -	60	475
Clay and shale- -	25	500
Sand - - - -	45	545
Clay - - - -	5	550

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 236</u>		
Texas City Terminal Ry., 3/4 mile south-east of Texas City.		
Clay - - - -	108	108
Sand - - - -	17	125
Clay - - - -	8	133
Sand - - - -	15	148
Clay - - - -	11	159
Sand - - - -	10	169
Clay - - - -	43	212
Sand - - - -	8	220
Clay - - - -	13	233
Sand - - - -	6	239
Clay - - - -	59	298
Sand - - - -	11	309
Clay - - - -	10	319
Sand - - - -	12	331
Shale - - - -	94	425
Sand - - - -	47	472
Shale - - - -	29	501
Sand - - - -	47	548
Shale - - - -	130	678
Rock - - - -	2	680
Gumbo - - - -	32	712
Sand - - - -	10	722
Shale and gumbo - -	199	921
Sand - - - -	214	1135

Driller's log of well 243

Stone Oil Co., 1/2 mile south of Texas City.		
Surface - - - -	5	5
Sand - - - -	32	37
White clay - - - -	37	74
Red clay - - - -	22	96
Clay and sand - - -	57	153
Sand - - - -	16	169
Clay and sand - - -	54	223
Shale - - - -	20	243
Shale and sand - - -	77	320
Sandy shale - - - -	136	456
Shale - - - -	13	469
Sand - - - -	37	506
Shale - - - -	46	552
Sand - - - -	30	582
Sandy shale - - - -	17	599
Shale - - - -	13	612
Sand - - - -	15	627
Shale - - - -	29	656
Sandy shale - - - -	26	682
Shale - - - -	17	699
Sand and shale - - -	27	726

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 243--Continued</u>		
Shale - - - -	13	739
Sand - - - -	46	785
Shale - - - -	16	801

Driller's log of well 244

Stone Oil Co., 1/2 mile south of Texas City.		
Surface soil - - -	8	8
Sand - - - -	13	21
Sand, soft clay and shell - - -	181	202
Gumbo - - - -	80	282
Clay - - - -	181	463
Fine-grained sand -	49	512
Gumbo - - - -	47	559
Sand - - - -	26	585
Gumbo - - - -	8	593
Sand - - - -	6	599
Gumbo - - - -	7	606
Sand - - - -	19	625
Gumbo - - - -	32	657
Sand - - - -	20	677
Gumbo - - - -	20	697
Sand - - - -	6	703
Gumbo - - - -	24	727
Sand - - - -	53	780
Gumbo - - - -	8	788

Driller's log of well 245

Republic Oil Refining Co., 1/2 mile south of Texas City. Well 1.		
Clay - - - -	15	15
Red clay - - - -	10	25
Yellow clay - - -	22	47
Sand - - - -	12	59
Soft clay and shell -	43	102
Sand - - - -	15	117
Soft sticky blue shale - - - -	29	146
Fine-grained sand -	19	165
Soft blue shale and layers of sandy shale - -	81	246
Fine-grained sand and layers of sandy shale and shell - - - -	32	278
Soft sandy shale -	41	319

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Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 245--Continued</u>		
Soft blue shale and layers of sandy shale and shell -	77	396
Soft sandy shale, layers of fine sand - - - -	25	421
Shale - - - -	32	453
Hard shale - - -	19	472
Soft sand and layers of shale -	14	486
Sand - - - -	22	508
Tough shale- - -	38	546
Tough red and blue shale- - - -	22	568
Soft shale - - -	6	574
Sand - - - -	10	584
Hard brown and blue shale - -	23	607
Soft shale - - -	7	614
Sand and layers of shale - - -	11	625
Hard brown shale -	32	657
Sandy shale- - -	6	663
Soft sandy shale and layers of fine-grained sand-	22	685
Shale - - - -	17	702
Sand - - - -	6	708
Shale - - - -	27	735
Fine-grained sand and layers of shale-	17	752
Fine-grained sand -	15	767
Good sand - - -	23	790
Shale - - - -	40	830
Sand - - - -	20	850
Shale - - - -	7	857

Driller's log of well 246

Pan American Refining Co., well 2, 2 $\frac{1}{2}$ miles southwest of Texas City.		
Soil - - - -	2	2
Clay - - - -	26	28
Sand - - - -	10	38
Clay with streaks of sand - - - -	57	95
Clay - - - -	30	125
Sand - - - -	30	155
Loose shale - -	80	235
Gumbo - - - -	20	255
Sandy gray shale -	30	285
Sandy shale - -	80	365

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 246--Continued</u>		
Gray sand and shale-	65	430
Shale - - - -	36	466
Sand - - - -	13	479
Sand and shale- -	104	583
Gumbo - - - -	12	595
Sandy shale - -	15	610

Driller's log of well 247

Pan-American Refining Co., well 3, 2 $\frac{1}{4}$ miles southwest of Texas City.		
Soil - - - -	2	2
Clay - - - -	26	28
Red sand - - -	10	38
Clay with streaks of sand - - -	67	105
Clay - - - -	84	189
Sticky shale - -	41	230
Gumbo - - - -	23	253
Sandy gray shale -	32	285
Shale - - - -	65	350
Gray sand - - -	70	420
Sticky shale - -	36	456
Sand - - - -	13	469
Shale with streaks of sand - - -	96	565
Gumbo - - - -	68	633
Shale with streaks of sand - - -	23	656
Sand - - - -	40	696
Sticky shale - -	81	777
Sand - - - -	27	804
Sticky shale - -	15	819
Sand with streaks of shale - - -	36	855
Sand - - - -	110	965

Driller's log of well 248

Pan-American Refining Co., well 6, 2 $\frac{1}{2}$ miles southwest of Texas City.		
Soil and sand - -	56	56
Clay and sand - -	28	84
Sand - - - -	60	144
Clay and sand - -	26	170
Sand - - - -	40	210
Clay - - - -	32	242
Sand - - - -	52	294
Clay - - - -	25	319
Fine-grained clayey sand - -	51	370
Sand - - - -	22	392

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Table of Drillers' Logs, Galveston County--Continued

Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)
<u>Driller's log of well 248--Continued</u>			<u>Driller's log of well 250</u>		
Shale - - - -	231	623	Pan-American Refining Co., well 4, 2 $\frac{1}{2}$		
Sand - - - -	19	642	miles southwest of Texas City.		
Shale - - - -	9	651	Soil- - - -	2	2
Sand - - - -	37	688	Clay- - - -	5	7
Shale - - - -	46	734	Red sand - - -	17	24
Tough shale- -	43	777	Gray sand with		
Sand and shale -	31	808	streaks of clay -	63	87
Tough shale- -	15	823	Gray sand - - -	34	121
Sandy shale- -	16	839	Sandy shale- - -	114	235
Shale - - - -	20	859	Gumbo - - - -	20	255
Sand- - - -	83	942	Sandy gray shale -	35	290
Sandy shale and			Shale - - - -	44	334
sand - - - -	32	974	Shale and shell -	26	360
Sand - - - -	26	1000	Gray sand - - -	67	427
<u>Driller's log of well 249</u>			Sticky shale - -	36	463
Pan-American Refining Co., well 7, 2-3/4			Sand - - - -	20	483
miles southwest of Texas City.			Sandy shale- - -	92	575
Soil- - - -	2	2	Gumbo - - - -	88	663
Red clay - - -	7	9	Coarse-grained		
Sand with layers of			sand- - - -	118	781
clay - - - -	30	39	Gumbo- - - -	5	786
Sandy clay - - -	23	62	Sand- - - -	35	821
Fine-grained sand -	50	112	Sand with streaks		
Sand and clay - -	40	152	of shale - - -	42	863
Clay - - - -	28	180	Sand - - - -	111	974
Blue clay and shell-	70	250	<u>Driller's log of well 251</u>		
Fine-grained blue			Pan-American Refining Co., well 5, 2 $\frac{1}{2}$		
sand- - - -	42	292	miles southwest of Texas City.		
Clay - - - -	11	303	Soil- - - -	2	2
Sand - - - -	8	311	Clay- - - -	5	7
Clay - - - -	6	317	Red sand - - -	17	24
Fine-grained sand -	71	388	Sand and clay - -	211	235
Shale and sand- -	60	448	Clay - - - -	20	255
Shale - - - -	70	518	Sandy shale- - -	35	290
Sand - - - -	118	636	Shale and shell-	70	360
Shale - - - -	10	646	Gray sand - - -	67	427
Sand - - - -	37	683	Sticky shale - -	36	463
Shale - - - -	91	774	Sand - - - -	20	483
Sand and shale- -	32	806	Sand and shale -	104	587
Shale - - - -	14	820	Sticky shale - -	58	645
Sandy shale - - -	17	837	Gumbo - - - -	23	668
Shale - - - -	24	861	Sand - - - -	36	704
Sand - - - -	47	908	Sand and shale -	87	791
Shale - - - -	5	913	Sand - - - -	32	823
Sand - - - -	102	1015	Sand and shale -	47	870
Sand and shale- -	9	1024	Sand - - - -	86	956
			Sand and shale -	9	965

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 252</u>		
Pan-American Refining Co., well 8, 2-3/4 miles southwest of Texas City.		
Soil - - - -	2	2
Sand and clay - -	180	182
Sandy clay - - -	18	200
Shale - - - -	140	340
Sand and shale - -	25	365
Shale - - - -	16	381
Sand - - - -	29	410
Sand and shale - -	28	438
Shale - - - -	17	455
Sand and shale - -	62	517
Sand - - - -	33	550
Shale - - - -	76	626
Sand - - - -	21	647
Shale - - - -	78	725
Sand - - - -	12	737
Shale - - - -	68	805
Sand and shale - -	84	889
Sand - - - -	91	980
Shale - - - -	20	1000

Driller's log of well 262

City of Galveston, well 1, in Alta Loma.		
Soil - - - -	2	2
Clay - - - -	4	6
Sand - - - -	5	11
Clay - - - -	59	70
Sand - - - -	10	80
Clay - - - -	10	90
Sand - - - -	41	131
Clay - - - -	61	192
Gumbo - - - -	54	246
Blue clay - - -	42	288
Gumbo - - - -	19	307
Clay and shale - -	58	365
Clay - - - -	47	412
Sand - - - -	12	424
Clay - - - -	291	715
Sand - - - -	102	817
Clay - - - -	23	840

Driller's log of well 264

City of Galveston, well 7, in Alta Loma.		
Soil - - - -	3	3
Clay - - - -	99	102
Loose sand - - -	23	125
Tough clay - - -	116	241
Soft clay - - -	161	402
Gumbo - - - -	10	412

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 264--Continued</u>		
Soft clay - - -	213	625
Clay with streaks of sand - - -	44	669
Tough clay - - -	29	698
Coarse-grained hard sand- - - -	141	839
Gumbo - - - -	4	843

Driller's log of well 265

City of Galveston, well 2, in Alta Loma.		
Soil - - - -	2	2
Clay - - - -	13	15
Sand - - - -	6	21
Sandy clay- - -	48	69
Clay - - - -	14	83
Sand - - - -	8	91
Clay - - - -	15	106
Sand - - - -	22	128
Shell and clay- -	8	136
Clay - - - -	374	510
Sand - - - -	13	523
Clay - - - -	68	591
Sand - - - -	26	617
Clay - - - -	58	675
Clay - - - -	46	721
Sand - - - -	32	753
Clay - - - -	9	762
Sand - - - -	83	845
Clay - - - -	10	855

Driller's log of well 266

City of Galveston, well 3, 1/4 mile southeast of Alta Loma.		
Soil and clay - -	10	10
Sand - - - -	8	18
Clay - - - -	58	76
Clay and shale- -	10	86
Sand - - - -	44	130
Clay and shale- -	50	180
Soft clay - - -	26	206
Gumbo - - - -	10	216
Clay and shale- -	20	236
Gumbo - - - -	68	304
Clay and shale- -	46	350
Soft clay - - -	151	501
Sand - - - -	10	511
Gumbo - - - -	184	695
Hard layers - - -	2	697
Fine-grained muddy sand- -	30	727
Sand - - - -	133	860
Gumbo - - - -	6	866

Table of Drillers' Logs, Galveston County--Continued

Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)
<u>Driller's log of well 267</u>			<u>Driller's log of well 269--Continued</u>		
City of Galveston, well 4, $\frac{1}{2}$ mile south-east of Alta Loma.			Hard white clay-	43	478
Soil and clay - - -	10	10	Sand and clay - - -	10	488
Sandy clay - - -	123	133	Hard shell - - -	1	489
Soft clay - - -	118	251	Water-bearing sand		
Clay and shale - - -	48	299	cased off- - - -	5	494
Gumbo - - - - -	137	436	Hard white clay- - -	6	500
Clay and shale - - -	21	457	Soft white clay- - -	14	514
Gumbo - - - - -	230	687	Hard and soft white		
Fine-grained muddy			clay - - - - -	46	560
sand - - - - -	25	712	Hard white clay- - -	30	590
Sand - - - - -	145	857	Quicksand - - - - -	21	611
Gumbo - - - - -	16	873	Hard clay - - - - -	9	620
<u>Driller's log of well 268</u>			Soft clay - - - - -	11	631
City of Galveston, well 5, $\frac{3}{4}$ mile southeast of Alta Loma.			Hard and soft clay -	72	703
Soil and clay - - -	16	16	Sand and clay - - -	32	735
Sand - - - - -	12	28	Hard white clay- - -	5	740
Clay - - - - -	31	31	Water-bearing sand -	53	793
Sand - - - - -	12	43	<u>Driller's log of well 270</u>		
Sandy clay - - - -	39	82	City of Galveston (4-S), in Alta Loma.		
Clay - - - - -	20	102	Surface soil- - - -	4	4
Sand - - - - -	26	128	Clay - - - - -	8	12
Clay - - - - -	17	145	Quicksand - - - - -	6	18
Sand - - - - -	6	151	Red clay- - - - -	7	25
Clay - - - - -	277	428	Red quicksand - - -	10	35
Sand - - - - -	17	445	Clay - - - - -	2	37
Clay - - - - -	138	583	Quicksand - - - - -	3	40
White sand - - - -	27	610	Red and white clay -	60	100
Clay - - - - -	95	705	Sand, water-bearing;		
Sand - - - - -	167	872	no flow - - - - -	23	123
Clay - - - - -	16	888	White clay - - - - -	27	150
<u>Driller's log of well 269</u>			Red clay - - - - -	23	173
City of Galveston (2-S), in Alta Loma.			Hard red clay - - -	17	190
No log - - - - -	60	60	Hard and soft clay -	18	208
Red and white clay -	40	100	Soft red clay - - -	10	213
Water-bearing sand			Hard clay - - - - -	12	230
cased off- - - -	23	123	Quicksand - - - - -	155	385
White clay - - - -	27	150	Hard and soft white		
Red clay - - - - -	23	173	clay - - - - -	50	435
Hard red clay - - -	17	190	Soft white clay- - -	43	478
Red clay, hard and			White sand and clay-	10	488
soft in places- -	18	208	Hard shell rock- - -	1	489
Soft red clay - - -	10	218	White water-bearing		
Hard white clay - -	12	230	sand; first flow -	5	494
Quicksand - - - -	155	385	Hard white clay- - -	6	500
Hard and soft white			Soft white clay- - -	14	514
clay - - - - -	50	435	Hard and soft		
			white clay - - -	46	560
			Hard white clay- - -	30	590
			Quicksand- - - - -	21	611
			Hard clay - - - - -	9	620

(Continued on next page)

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 270--Continued</u>		
Soft clay - - -	11	631
Hard and soft clay--	72	703
Sand and clay - -	32	735
Hard white clay- -	5	740
Sand, water-bearing-	128	868

<u>Driller's log of well 295</u>		
Santa Fe R. R., 4 miles southeast of Alta Loma.		
Soil and clay - -	38	38
Sand - - - -	12	50
Clay and gumbo - -	201	251
Fine-grained sand and clay - - -	73	324
Blue and white clay	66	390
Rock and clay - -	4	394
Sand and clay - -	44	438
Blue clay - - -	45	483
Rock - - - -	7	490
Fine-grained sand -	14	504
Blue clay - - -	49	553
Sand - - - -	22	575
Clay - - - -	33	608
Rock - - - -	4	612
Sand - - - -	14	626
Clay - - - -	5	631
Rock - - - -	4	635
Sand - - - -	54	689

<u>Driller's log of well 326</u>		
Alfred Henckel, 4 miles southwest of Alta Loma.		
Surface material -	10	10
Yellow clay- - -	12	22
Red clay - - -	10	32
Clay - - - -	16	48
Sand - - - -	2	50
Brown and blue shale-	43	93
Sand and shale - -	37	130
Yellow, brown, and blue shale - -	45	175
Brown and blue shale-	130	305
Boulders - - -	4	309
Blue shale - - -	65	374
Rock - - - -	2	376
Shale - - - -	83	459
Sand, gravel, and shale- - - -	21	480
Rock - - - -	2	482

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 326--Continued</u>		
Sand and soft shale-	6	488
Boulders- - - -	2	490
Sand, shale, and clay - - - -	49	539
Boulders- - - -	14	553
Shell and shale- -	7	560
Boulders- - - -	15	575
Blue gumbo and shale-	9	584
Rock- - - -	11	595
Blue gumbo and shale-	4	599
Boulders- - - -	3	602
Sand, gumbo and shale-	31	633
Gravel and blue gumbo-	18	651
Sand - - - -	6	657
Blue gumbo - - -	3	660
Sand - - - -	2	662
Sand, blue gumbo and shale - - - -	27	689
Sand - - - -	3	692
Blue gumbo - - -	1	693
Sand - - - -	18	711

<u>Driller's log of well 357</u>		
Texas City National Bank, $3\frac{1}{2}$ miles southwest of Texas City.		
Soil - - - -	2	2
Clay - - - -	19	21
Sand - - - -	29	50
Clay - - - -	44	94
Sand - - - -	40	134
Clay - - - -	26	160
Shale - - - -	225	385
Fine-grained blue sand - - - -	58	443
Shale - - - -	49	492
Sandy clay - - -	19	511
Shale - - - -	37	548
Sand - - - -	32	580
Gumbo - - - -	81	661
Sand - - - -	8	669
Clay - - - -	23	692
Fine-grained sand -	27	719
Clay - - - -	4	723
Sand - - - -	8	731
Clay - - - -	32	763
Sand - - - -	8	771
Blue clay - - -	122	893
Sand - - - -	6	899
Shale - - - -	37	936
Sand - - - -	73	1009

Table of Drillers' Logs, Galveston County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Driller's log of well 358</u>				<u>Driller's log of well 392--Continued</u>			
Pan-American Refining Co., 1 mile south-west of Texas City.				Sand - - - -	21	479	
Yellow clay - - -	10	10		Gumbo - - - -	5	484	
Sand - - - -	5	15		Sand - - - -	18	502	
White clay - - -	45	60		Shale - - - -	35	537	
Red sand - - -	20	80		Sand - - - -	45	582	
Blue clay - - -	286	366		Gumbo - - - -	2	584	
Blue gumbo - - -	107	473		Sandy, sticky shale -	4	628	
Blue clay - - -	231	704		Gumbo - - - -	10	638	
White sand - - -	31	735		Fine-grained sand -	32	670	
Blue clay - - -	165	900		Gumbo - - - -	15	685	
White sand - - -	93	993		Sand - - - -	14	699	
<u>Driller's log of well 381</u>				Sandy shale and			
Stewart Production Co., 5 $\frac{1}{2}$ miles south-west of Texas City.				shell - - - -	55	754	
Soil and clay - -	21	21		Gravel - - - -	11	765	
Sand - - - -	3	24		Fine-grained white			
Clay - - - -	83	107		sand - - - -	93	858	
Fine-grained sand -	20	127		Gravel - - - -	11	869	
Clay - - - -	84	211		<u>Driller's log of well 393</u>			
Fine-grained sand -	22	233		J. D. Hughes, 6 $\frac{1}{4}$ miles south of Alta			
Shale - - - -	243	476		Loma.			
Fine-grained sand -	23	499		Sand, gravel and clay -	31	31	
Shale - - - -	47	546		Brown gumbo - - -	12	43	
Fine-grained sand -	30	576		Sand - - - -	21	64	
Shale - - - -	52	628		Gumbo - - - -	30	94	
Fine-grained sand -	21	649		Sand - - - -	34	128	
Shale - - - -	47	696		Brown gumbo - - -	32	160	
Fine-grained sand -	34	730		Brown and pink			
Shale - - - -	4	734		sandy shale - - -	92	252	
Medium coarse-grained				Hard brown gumbo -	19	271	
sand - - - -	39	773		Sand - - - -	13	284	
<u>Driller's log of well 392</u>				Brown and pink sandy			
J. D. Hughes, 6 $\frac{1}{4}$ miles south of Alta				shale - - - -	124	408	
Loma.				Gumbo - - - -	36	444	
Soil and clay - -	36	36		Sand and shell - -	14	458	
Sand - - - -	26	62		Gumbo - - - -	8	466	
Clay - - - -	32	94		Sand - - - -	11	477	
Sand - - - -	18	112		Gumbo - - - -	4	481	
Shale - - - -	96	208		Sand and shell - -	13	494	
Shell - - - -	14	222		Blue gumbo - - -	66	560	
Gumbo - - - -	43	265		Sand - - - -	14	574	
Sandy shale and shell -	8	273		Gumbo - - - -	12	586	
Brown gumbo - - -	14	287		Sand - - - -	15	601	
Sand - - - -	115	402		Gumbo - - - -	8	609	
Brown gumbo - - -	35	437		Fine-grained sand -	31	640	
Sand and shell - -	8	445		Gumbo - - - -	3	643	
Blue gumbo - - -	13	458					

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 394</u>		
J. D. Hughes, $6\frac{1}{4}$ miles south of Alta Loma.		
Soil and clay - - -	39	39
Sand - - - -	23	62
Clay - - - -	32	94
Sand - - - -	25	119
Shale - - - -	104	223
Fine-grained sand -	13	236
Gumbo - - - -	19	255
Sandy shale- - -	114	369
Gumbo - - - -	11	380
Sand - - - -	16	396
Brown gumbo- - -	39	435
Sand - - - -	13	448
Gumbo - - - -	8	456
Sand - - - -	21	477
Gumbo - - - -	8	485
Sand - - - -	9	494
Gumbo - - - -	41	535
Sand - - - -	45	580
Gumbo - - - -	6	586
Sand - - - -	18	604
Gumbo - - - -	5	609
Sand - - - -	20	629

<u>Driller's log of well 395</u>		
Houston Farms and Development Co., $7\frac{1}{2}$ miles southwest of Alta Loma. Well 2.		
Sandy soil and clay -	45	45
Clay - - - -	64	109
Sandy shale- - -	136	245
Shell and shale- -	17	262
Gumbo - - - -	37	299
Sandy shale- - -	42	341
Sand - - - -	50	391
Sandy shale- - -	55	446
Gumbo - - - -	106	552
Fine-grained sand -	14	566
Sticky shale - - -	12	578
Fine-grained sand -	71	649
Gumbo - - - -	70	719
Fine-grained sand -	32	751
Sandy shale- - -	89	840
Fine-grained sand -	22	862
Coarse-grained sand-	60	922

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 396</u>		
Houston Farms and Development Co., $7\frac{1}{2}$ miles southeast of Alta Loma. Well 1.		
Soil and sandy clay-	45	45
Sand - - - -	30	75
Clay - - - -	32	107
Sand - - - -	42	149
Shale - - - -	98	247
Shell -- - - -	22	269
Gumbo - - - -	29	298
Sandy shale and shell- - - -	26	324
Gumbo - - - -	17	341
Sand - - - -	41	382
Gumbo - - - -	17	399
Sand - - - -	20	419
Brown gumbo- - -	65	484
Shale and shell- -	22	506
Sand - - - -	30	536
Gumbo - - - -	23	559
Sand - - - -	23	582
Shale - - - -	15	597
Sand - - - -	48	645
Sandy, sticky shale-	47	692
Gumbo - - - -	27	719
Sand - - - -	35	754
Sandy shale and shell- - - -	40	794
Sand - - - -	42	836
Sand and shell - -	27	863
Sand - - - -	60	923

<u>Driller's log of well 401</u>		
Galveston Wharf Co., northeast end of Causeway, Galveston Island.		
Sand and clay - -	29	29
Clay - - - -	97	126
Sand - - - -	147	273
Clay - - - -	59	332
Sand - - - -	70	402
Sand, clay layers -	41	443
Gumbo - - - -	291	734
Sand - - - -	32	766
Gumbo - - - -	28	794
Sand - - - -	14	808
Gumbo - - - -	220	1028
Sand - - - -	178	1206
Gumbo - - - -	78	1284
Sand - - - -	15	1299
Gumbo - - - -	36	1335
Sand - - - -	44	1379
Shale, sand layers-	44	1423

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Table of Drillers' Logs, Galveston County--Continued

			Thickness (feet)	Depth (feet)				Thickness (feet)	Depth (feet)
Driller's log of well 401--Continued					Driller's log of well 404--Continued				
Sand	-	-	68	1491	Red and blue clay	-	16	2653	
Gumbo	-	-	7	1498	Yellow clay-	-	45	2698	
Driller's log of well 404					Blue and yellow clay-	-	9	2707	
City of Galveston, between 30th and 31st					Gray sand	-	10	2717	
Sts. and G and H Aves., Galveston.					Blue clay	-	16	2733	
Gray sand	-	-	46	46	Soft blue clay	-	48	2781	
Red clay with shell-	-	-	17	63	Hard gray sand	-	102	2883	
Red and blue clay	-	-	21	84	Soft blue clay	-	37	2920	
Fine-grained sand	-	-	16	100	Hard gray sand	-	65	2985	
Sand and clay	-	-	205	305	Blue clay	-	40	3025	
Red clay and shell	-	-	13	318	Gray sand	-	45	3070	
Red clay	-	-	20	338	Driller's log of well 406				
Sand	-	-	102	440	Galveston-Houston Brewing Co., 33d St.				
Sand and clay	-	-	387	827	and Ave. F, Galveston.				
Sand	-	-	8	835	Sand and silt	-	37	37	
Water sand	-	-	47	882	Clay	-	33	70	
Clay and sand	-	-	207	1089	Sand	-	10	80	
Sand rock	-	-	1	1090	Clay and shale	-	110	190	
Sand and clay	-	-	170	1260	Rock	-	1	191	
Water sand	-	-	28	1288	Clay and shale	-	86	227	
Sand and clay, hard	-	-			Fine-grained sand	-	39	316	
sandstone-	-	-	205	1493	Clay and shale	-	82	398	
Clay	-	-	17	1510	Sand	-	49	447	
Clay, shell and	-	-			Clay	-	10	457	
gravel	-	-	10	1520	Sand	-	27	484	
Sand and clay	-	-	234	1754	Clay	-	8	492	
Hard sandstone	-	-	4	1758	Sand	-	10	502	
Sand	-	-	104	1862	Sand and shale	-	51	553	
Clay and sand	-	-	291	2153	Sand rock	-	9	562	
Clay and shell	-	-	43	2196	Clay, shell and shale-	-	130	692	
Sand and clay	-	-	92	2288	Sand	-	6	698	
Limestone	-	-	3	2291	Gumbo	-	61	759	
Sand, clay and shell-	-	-	58	2349	Sand	-	49	808	
Water sand	-	-	48	2397	Gumbo	-	25	833	
Clay and sand	-	-	28	2425	Sand	-	7	840	
Red clay	-	-	7	2433	Gumbo	-	135	975	
Water sand	-	-	11	2443	Sand	-	10	985	
Blue clay	-	-	5	2448	Gumbo	-	42	1027	
Red clay	-	-	3	2451	Sana	-	7	1034	
Lignite-	-	-	2	2453	Gumbo	-	40	1074	
Gray sand	-	-	12	2465	Rock	-	1	1075	
Red clay	-	-	11	2476	Gumbo	-	12	1087	
Blue clay	-	-	9	2485	Sand	-	16	1103	
Gray sand	-	-	19	2504	Gumbo	-	11	1114	
Water sand	-	-	17	2521	Hard rock	-	10	1124	
Clay and sand	-	-	31	2552	Shell and sand rock-	-	19	1143	
Blue clay	-	-	15	2567	Gumbo	-	19	1162	
Hard sand	-	-	31	2598	Sand rock	-	10	1172	
Blue and red clay	-	-	33	2631	Gumbo	-	12	1184	
Hard gray sand	-	-	6	2637	Hard rock	-	10	1194	

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Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 406--Continued</u>		
Sand rock - - -	121	1315
Sand and gravel - -	12	1327
Gumbo - - -	8	1335

Driller's log of well 410

Frazier Ice and Cold Storage Co., 22d St.
and Ave. A, Galveston.

Surfice- - - -	10	10
Sand - - - -	31	41
Soft clay - - -	26	67
Sand - - - -	13	80
Clay and shale - -	38	118
Clay - - - -	58	176
Sand - - - -	36	212
Shale - - - -	62	274
Sand - - - -	20	294
Clay - - - -	60	354
Gumbo - - - -	62	416
Clay - - - -	43	459
Shale - - - -	62	521
Gumbo - - - -	20	541
Shale and clay - -	20	561
Clay - - - -	91	652
Sand - - - -	11	663
Clay - - - -	88	751
Muddy sand - - -	17	768
Clay - - - -	57	825
White sand - - -	57	882
Gumbo - - - -	114	996
Rock - - - -	1	997
Gumbo - - - -	130	1127
Clay - - - -	23	1150
Hard sand - - -	20	1170
Gumbo - - - -	84	1254
Hard sand - - -	83	1337
Gumbo - - - -	9	1346

Driller's log of well 412

Galveston Ice and Cold Storage Co., 20th
St. and Ave. A, Galveston.

Soil and clay - -	33	33
Clay and shale - -	118	151
Fine-grained sand -	35	186
Clay - - - -	81	267
Sand - - - -	24	291
Clay - - - -	122	413
Sand - - - -	39	452
Gumbo - - - -	9	461
Packed sand - -	9	470
Gumbo and shale - -	79	549

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 412--Continued</u>		
Sand rock - - -	27	576
Gumbo - - - -	75	651
Shale - - - -	26	677
Gumbo - - - -	78	755
Sand - - - -	10	765
Gumbo - - - -	13	778
Sand - - - -	5	783
Gumbo - - - -	35	818
Sand - - - -	65	883
Gumbo - - - -	38	921
Sand - - - -	17	938
Gumbo - - - -	57	995
Shale and rock - -	10	1005
Gumbo - - - -	54	1059
Shale and sand - -	40	1099
Gumbo - - - -	23	1122
Sand rock - - -	6	1128
Gumbo - - - -	89	1217
Sand rock - - -	125	1342
Gumbo - - - -	3	1345

Driller's log of well 416

Gulf Colorado and Santa Fe R.R., Port
Bolivar.

Beach sand - - -	120	120
Sand and shell - -	172	292
Rock - - - -	2	294
Gray shale, sand and shell- - -	124	418
Blue gumbo - - -	28	446
Blue shale - - -	53	499
Clay - - - -	93	592
Fine-grained sand and shell- - -	6	598
Blue gumbo - - -	7	605
Hard shale - - -	16	621
Gray sand - - -	27	648
Shale and gumbo - -	324	972
Gray sand - - -	35	1007
Gumbo - - - -	56	1063
Hard shale and sulphur - - -	25	1088

Driller's log of well 417

Macc Stewart, 11 $\frac{1}{2}$ miles southeast of
Galveston.

Sand- - - -	52	52
Clay - - - -	11	63
Sand - - - -	3	66

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Table of Drillers' Logs, Galveston County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Driller's log of well 417--Continued</u>				<u>Driller's log of well 570--Continued</u>			
Sand, shell and shale-	- - -	154	220	Shale and shell	-	10	280
Shale	- - -	171	391	Sticky shale	- -	87	367
Sand	- - -	23	414	Hard shale and boulders	- - -	27	394
Shale	- - -	175	589	Sand and hard sticky shale	- - -	36	430
Sand	- - -	55	642	Sand, shale and shell	- - -	6	436
Shale	- - -	358	1000	Sticky shale and boulders	- - -	47	483
<u>Driller's log of well 562</u>				Hard sand	- - -	38	521
Izaak Littman, $2\frac{1}{4}$ miles east of Dickinson.				Sticky shale	- -	27	548
Soil and clay	- -	30	30	Sandy shale	- - -	15	563
Sand	- - -	4	34	Sand	- - -	10	573
Shale	- - -	43	77	Shale	- - -	14	587
Sand	- - -	10	87	Sand	- - -	23	610
Shale	- - -	53	140	Shale	- - -	9	619
Sand	- - -	8	148	Sand	- - -	4	623
Shale	- - -	106	254	Sandy sticky shale	- - -	22	645
Sand	- - -	8	262	Sticky shale	- -	45	690
Shale	- - -	98	360	Sandy shale and shell	- - -	19	709
Sand	- - -	12	372	Sand	- - -	14	723
Shale	- - -	73	445	Sticky shale and shell	- - -	28	751
Sand	- - -	10	455	Sand	- - -	5	756
Shale	- - -	81	536	Sand, shale and shell	- - -	17	773
Sand	- - -	90	626	Sand	- - -	18	791
<u>Driller's log of well 564</u>				Sticky shale	- -	8	799
Sam Levine, $2\frac{1}{2}$ miles east of Dickinson.				Sand	- - -	16	815
Clay	- - -	65	65	Sticky shale	- -	18	833
Sand	- - -	43	108	Hard shale and sand	- - -	8	841
Shale	- - -	22	130	Sand and shale	- -	17	858
Sandy shale	- -	43	173	Sandy shale	- -	10	868
Shale	- - -	376	551	Sand	- - -	6	874
Sand	- - -	98	649	Sandy shale	- -	40	914
Shale	- - -	2	651	Sand	- - -	10	924
<u>Driller's log of well 570</u>				Sticky shale	- -	40	964
C. L. Dobbins, $1\frac{1}{4}$ miles east of Dickinson.				Sandy shale	- -	15	979
Surface clay	- -	16	16	Sand	- - -	21	1000
Sand	- - -	10	26	Hard shale	- - -	21	1021
Hard shale	- - -	18	44	Sandy shale	- -	23	1044
Sand	- - -	21	65	Sticky shale	- -	45	1089
Hard sticky shale	-	80	145	Shell and sandy shale	- - -	16	1105
Sand	- - -	26	171	Sticky shale	- -	26	1131
Hard sticky shale	-	30	201	Sand	- - -	5	1136
Sandy shale	- -	14	215	Shale	- - -	3	1139
Sticky shale	- -	45	260	Sand	- - -	16	1155
				Sticky shale and boulders	-12	1167	

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)			
<u>Driller's log of well 604</u>			<u>Driller's log of well 608</u>					
Maco Stewart, 2½ miles east of Dickinson.			Maco Stewart, 3 miles southeast of Dickinson.					
Clay	- - - -	32	32	Clay	- - - -	20	20	
Sand	- - - -	5	37	Sand	- - - -	5	25	
Shale	- - - -	40	77	Shale	- - - -	62	87	
Sand	- - - -	14	91	Sand	- - - -	23	110	
Shale	- - - -	46	137	Shale	- - - -	590	700	
Shale and sandy shale-	- - - -	160	297	Sand	- - - -	12	712	
Sand	- - - -	22	319	Shale	- - - -	33	745	
Shale	- - - -	67	386	Sand	- - - -	10	755	
Sand	- - - -	22	408	Shale	- - - -	15	770	
Shale and sandy shale-	- - - -	133	541	Sand	- - - -	50	820	
Sand	- - - -	19	560	Sandy shale-	- - - -	20	840	
Shale	- - - -	4	564	Shale	- - - -	18	858	
Sand	- - - -	16	580	<u>Driller's log of well 629</u>				
Shale	- - - -	14	594	Pan-American Production Co., 3½ miles southeast of Dickinson.				
Sand	- - - -	11	605	Surface clay	- - - -	80	80	
Shale	- - - -	85	690	Sand	- - - -	35	115	
Sand	- - - -	14	704	Gumbo	- - - -	93	208	
Shale	- - - -	36	740	Sandy clay	- - - -	40	248	
<u>Driller's log of well 605</u>			Gumbo				117	365
Maco Stewart, 3 miles east of Dickinson.			Sandy clay				24	389
Clay	- - - -	22	22	Gumbo	- - - -	22	411	
Sand	- - - -	7	29	Clay	- - - -	30	441	
Shale	- - - -	38	67	Shell	- - - -	15	456	
Sand	- - - -	45	112	Gumbo	- - - -	20	476	
Shale	- - - -	23	135	Sand	- - - -	20	496	
Sand	- - - -	35	168	Gumbo	- - - -	11	507	
Shale	- - - -	56	224	Boulders	- - - -	2	509	
Sand	- - - -	22	246	Packed sand-	- - - -	7	516	
Shale	- - - -	69	315	Gumbo	- - - -	8	524	
Shale	- - - -	235	550	<u>Driller's log of well 687</u>				
Sand	- - - -	95	645	City of Galveston, Well 8, 1½ miles south-east of Alta Loma.				
Sandy shale-	- - - -	20	665	Soil	- - - -	4	4	
<u>Driller's log of well 606</u>			Clay				20	24
Maco Stewart, 3 miles east of Dickinson.			Sand				45	69
Clay	- - - -	30	30	Clay	- - - -	107	176	
Sand	- - - -	12	42	Sand	- - - -	20	196	
Soft shale	- - - -	426	468	Clay	- - - -	22	218	
Fine-grained sand	- - - -	12	480	Sand	- - - -	10	228	
Shale	- - - -	10	490	Clay	- - - -	22	250	
Fine-grained sand	- - - -	18	508	Sand	- - - -	41	291	
Shale	- - - -	42	550					

Table of Drillers' Logs, Galveston County--Continued

				Thickness (feet)	Depth (feet)					Thickness (feet)	Depth (feet)
<u>Driller's log of well 687--Continued</u>						<u>Driller's log of well 692--Continued</u>					
Clay	-	-	-	30	321	Clay	-	-	-	3	844
Sand	-	-	-	34	355	Hard sand	-	-	-	184	1028
Clay	-	-	-	61	416	Clay	-	-	-	3	1031
Sand	-	-	-	32	448	<u>Driller's log of well 693</u>					
Clay	-	-	-	66	514	Carbide and Carbon Chemical Company, 3					
Gumbo	-	-	-	18	532	miles southwest of Texas City. Test Well 2.					
Sand	-	-	-	8	540	Surface soil	-	-	-	3	3
Gumbo	-	-	-	106	646	Sand and red clay	-	-	-	97	100
Sand	-	-	-	4	650	Gray sand	-	-	-	29	129
Gumbo	-	-	-	21	671	Sticky gray clay	-	-	-	46	175
Sand	-	-	-	209	880	Soft gray clay with	-	-	-		
Gumbo	-	-	-	4	884	sand layers	-	-	-	175	350
<u>Driller's log of well 692</u>						Sand and sandy clay-	-	-	-	24	374
Carbide and Carbon Chemical Company, 3						Gray clay with shell	-	-	-		
miles southwest of Texas City. Test Well 1						layers	-	-	-	53	427
Surface soil	-	-	-	3	3	Gray clay with sand	-	-	-		
Clay with thin sand	-	-	-			layers	-	-	-	31	458
layers	-	-	-	16	19	Soft red clay	-	-	-	25	483
Sand	-	-	-	7	26	Sand	-	-	-	17	500
Soft brown clay-	-	-	-	55	81	Blue clay with	-	-	-		
Pine-grained white	-	-	-			sand layers	-	-	-	58	558
sand	-	-	-	23	104	Blue clay	-	-	-	94	652
Clay with thin sand	-	-	-			Sandy clay	-	-	-	15	667
layers	-	-	-	116	220	Sand	-	-	-	13	680
Clay and sand	-	-	-	38	258	Blue clay	-	-	-	8	688
Soft clay and sand	-	-	-	91	349	Sand	-	-	-	26	714
Sand with thin	-	-	-			Gray clay	-	-	-	38	752
layers of clay	-	-	-	13	362	Hard sand	-	-	-	60	812
Clay and sand	-	-	-	18	380	Sand with clay	-	-	-		
Clay	-	-	-	65	445	layers	-	-	-	78	890
Sand	-	-	-	7	452	Hard sand	-	-	-	116	1006
Clay	-	-	-	19	471	Clay	-	-	-	4	1010
Clay with thin sand	-	-	-			<u>Driller's log of well 694</u>					
layers	-	-	-	19	490	Carbide and Carbon Chemical Company, 2 ²					
Sand	-	-	-	9	499	miles southwest of Texas City. Well 3.					
Clay	-	-	-	56	555	Soil	-	-	-	5	5
Sand and clay	-	-	-	53	608	Clay	-	-	-	16	21
Clay	-	-	-	43	651	Sand	-	-	-	7	28
Sand with thin	-	-	-			Sandy clay	-	-	-	42	70
clay layers	-	-	-	20	671	Gray shale	-	-	-	14	84
Clay	-	-	-	7	678	Fine-grained gray	-	-	-		
Sand	-	-	-	2	680	sand	-	-	-	18	102
Clay and sand	-	-	-	13	693	Red and blue shale	-	-	-	94	196
Clay	-	-	-	18	711	Sticky shale	-	-	-	32	228
Sand	-	-	-	7	718	Shale	-	-	-	18	246
Clay	-	-	-	61	779	Sandy shale with	-	-	-		
Sand	-	-	-	13	792	layers sand	-	-	-	58	304
Clay	-	-	-	3	795	(Continued on next page)					
Sand	-	-	-	19	814						
Clay	-	-	-	3	817						
Sand	-	-	-	24	841						

Table of Drillers' Logs, Galveston County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Driller's log of well 694--Continued</u>				<u>Driller's log of well 695--Continued</u>			
Pink, white and gray shale with shell and gravel - -	56	360		Shale with few layers fine-grained sand-	59	362	
Sand with shale layers - - -	25	385		Soft shale - - -	12	374	
Shale - - - -	47	432		Sand - - - -	3	377	
Shale with sand layers - - -	60	492		Soft shale - - -	2	379	
Sand - - - -	11	503		Sand - - - -	3	382	
Sand with shale layers - - -	48	551		Soft shale and shell-	34	416	
Shale - - - -	9	560		Hard shale - - -	5	421	
Fine-grained hard sand with shale layers- - - -	34	594		Soft shale with sandy layers - -	68	489	
Shale - - - -	17	611		Sand - - - -	15	504	
Shale with sand layers- - - -	21	632		Sand and shale - -	8	512	
Tough shale - - -	12	644		Tough shale- - -	5	517	
Sandy shale - - -	27	671		Sand and shale - -	39	556	
Sand - - - -	9	680		Fine-grained sand with few shale breaks - - - -	37	593	
Tough shale - - -	8	688		Shale - - - -	18	611	
Sand - - - -	19	707		Shale with streaks fine-grained sand-	30	641	
Shale - - - -	39	746		Sand - - - -	40	681	
Sand - - - -	8	754		Shale - - - -	9	690	
Sandy shale with sand layers - -	31	785		<u>Driller's log of well 696</u>			
Shale - - - -	7	792		Carbide and Carbon Chemical Company, 2 $\frac{3}{4}$ miles southwest of Texas City. Well 2.			
Sand with few shale breaks - - - -	152	944		Soil - - - -	1	1	
Sand - - - -	71	1015		Clay - - - -	15	16	
Hard shale - - -	1	1016		Sand and clay - -	38	54	
<u>Driller's log of well 695</u>				Red and white clay -	22	76	
Carbide and Carbon Chemical Company, 2 $\frac{3}{4}$ miles southwest of Texas City. Well 4.				Sand - - - -	2	78	
Surface soil - -	3	3		Clay - - - -	12	90	
Red and white clay -	16	19		Fine-grained sand -	12	102	
Fine-grained red sand - - - -	13	32		Soft gray clay and sand - - - -	23	125	
Clay - - - -	5	37		Soft gray shale-	15	140	
Clay and fine- grained sand - -	12	49		Tough gray shale -	37	177	
Red clay - - -	21	70		Sandy shale - - -	44	221	
Fine-grained sand with few shale breaks -	80	150		Shale - - - -	29	250	
Shale - - - -	22	172		Fine-grained sand with shale layers - -	39	289	
Sandy shale and shell-	49	221		Shale - - - -	10	299	
Sticky shale- - -	11	232		Sandy shale- - -	9	308	
Loose shale - - -	63	295		Hard shale - - -	10	318	
Shale - - - -	8	303		Sandy shale- - -	44	362	
				Sand with shale layers - - - -	33	395	
				Shale - - - -	49	444	
				Gray sand - - -	10	454	
				Shale - - - -	9	463	
				(Continued on next page)			

Table of Drillers' Logs, Galveston County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<u>Driller's log of well 696--Continued</u>				<u>Driller's log of well 697--Continued</u>			
Sand - - - -		19	482	Shale with layers			
Sandy shale- - -		10	492	of sand - - -	41	584	
Sand with shale				Shale - - - -	21	605	
layers - - -		16	508	Shale with sandy			
Shale - - - -		12	520	layers - - -	40	645	
Sand and shale				Sand - - - -	44	689	
layers - - -		65	585	Shale with layers			
Sand - - - -		4	589	fine-grained sand-	36	725	
Shale - - - -		26	615	Tough shale - -	29	754	
Sand with shale				Sandy shale - -	14	768	
layers - - -		15	630	Sand - - - -	54	822	
Shale with sand				Sand with thin			
layers - - -		33	663	shale layers - -	121	943	
Shale - - - -		6	669	Sand - - - -	44	987	
Fine-grained sand		63	732	Hard shale - - -	13	1000	
Shale - - - -		18	750				
Sand - - - -		33	783	<u>Driller's log of well 698</u>			
Shale - - - -		7	790	Republic Oil Refining Co., $\frac{1}{2}$ mile south			
Sand with shale				of Texas City. Well 2.			
layers- - - -		36	826	Surface soil - -	6	6	
Sand - - - -		14	840	Red clay - - -	5	11	
Sand with thin				Red sand - - -	10	21	
shale layers - -		15	855	Soft red clay - -	55	76	
Sand - - - -		170	1025	Soft blue clay - -	20	96	
<u>Driller's log of well 697</u>				White sand - - -	25	121	
Carbide and Carbon Chemical Company, $2\frac{3}{4}$				Blue clay - - -	10	131	
miles southwest of Texas City. Well 1.				Sand - - - -	15	146	
Surface soil - -		2	2	Clay - - - -	10	156	
White clay - - -		6	8	Sand, shell and blue			
Brown clay - - -		24	32	clay - - - -	20	176	
Sand and clay - -		30	62	Tough clay - - -	25	201	
Clay - - - -		47	109	Sand - - - -	13	214	
Sand and clay - -		16	125	Shale - - - -	14	228	
Sand - - - -		11	136	Sand - - - -	6	234	
Shale - - - -		42	178	Shale - - - -	40	274	
Sandy shale - - -		46	224	Soft shale and			
Shale, sticky - -		20	244	shell - - - -	72	346	
Shale with layers				Sandy shale and sand-	31	377	
of sand - - -		51	295	Soft blue and brown			
Shale, loose- - -		18	313	shale - - - -	82	459	
Sticky shale- - -		13	326	Sand with layers			
Sandy shale and				sandy shale - -	37	496	
shell - - - -		33	359	Shale - - - -	60	556	
Shale - - - -		72	431	Sand - - - -	20	576	
Fine-grained gray sand-		12	443	Shale - - - -	84	660	
Sandy shale - - -		21	464	Sand - - - -	10	670	
Shell and gravel- -		10	474	Sand with few shale			
Tough shale - - -		10	484	layers - - -	113	783	
Sand and shell - -		32	516	Tough shale- - -	33	816	
Sand - - - -		27	543	Sand - - - -	28	844	
				Shale - - - -	5	849	

(Continued on next page)

Table of Drillers' Logs, Galveston County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 698--Continued</u>		
Sand - - - -	6	855
Shale - - - -	10	865
Sand - - - -	144	1009

<u>Driller's log of well 699</u>		
Pure Oil Company, $6\frac{1}{2}$ miles northwest of Texas City.		
Clay - - - -	23	23
Sand - - - -	4	27
Shale - - - -	190	217
Sand - - - -	22	239
Shale - - - -	233	472
Sand - - - -	15	487
Shale - - - -	7	494
Sand - - - -	12	506
Shale - - - -	134	640
Sand - - - -	32	672

<u>Driller's log of well 701</u>		
J. H. Ross, 1 mile west of League City.		
Clay - - - -	46	46
Sandy shale- - -	44	90
Clay - - - -	19	109
Sandy shale- - -	19	128
Clay - - - -	41	169
Shale - - - -	66	235
Fine-grained sand -	63	298
Clay - - - -	44	342
Sandy shale- - -	43	385
Gumbo - - - -	41	426
Fine-grained sand -	20	446
Clay - - - -	4	450
Fine-grained sand -	118	568
Sand - - - -	32	600

<u>Driller's log of well 703</u>		
League City, in League City.		
Surface soil - -	1	1
Yellow clay- - -	19	20
Sand - - - -	4	24
Clay - - - -	22	46
Sandy clay and shell- - - -	38	84
Sandy blue shale and shell- - - -	15	99
Sandy shale- - -	30	129
Sand - - - -	12	141
Shale and shell- -	6	147

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 703--Continued</u>		
Fine-grained sand with thin shale breaks-	34	181
Coarse-grained sand -	17	198
Shale and shell - -	5	203
Sticky clay - - -	42	245
Shale and sandy shale - - - -	45	290
Shale - - - -	114	404
Shell - - - -	20	424
Shale and shell- - -	14	438
Sand and shale - - -	20	458
Shale - - - -	37	495
Shale and sandy shale - - - -	32	527
Shale - - - -	27	554
Sandy shale - - -	18	572
Shale - - - -	43	615
Sand - - - -	75	690
Sandy shale- - - -	8	698
Shale - - - -	3	701

<u>Driller's log of well 710</u>		
Stanolind Oil and Gas Co., 3 miles southwest of Alta Loma.		
Surface soil - -	25	25
Shale - - - -	5	30
Sand - - - -	10	40
Shale - - - -	60	100
Sand - - - -	5	105
Shale - - - -	206	311
Sand and shale - -	10	321
Shale - - - -	369	690
Sand - - - -	54	744

<u>Driller's log of well 712</u>		
Stanolind Oil Co., 4 miles southwest of Alta Loma.		
Surface soil - -	24	24
Shale - - - -	130	154
Sand - - - -	21	175
Shale - - - -	106	281
Sand - - - -	22	303
Shale - - - -	126	429
Sand - - - -	23	452
Shale - - - -	172	624
Sandy shale - - -	67	691
Sand - - - -	67	758

Table of Drillers' Logs, Galveston County--Continued

Thickness (feet)		Depth (feet)	Thickness (feet)		Depth (feet)
<u>Driller's log of well 713</u>			<u>Driller's log of well 742</u>		
Sun Oil Co., $7\frac{3}{4}$ miles southwest of Alta Loma. Well 4.			Sun Oil Co., $10\frac{3}{4}$ miles southwest of High Island.		
Soil and clay	- - -	93	Sand	- - -	30
Fine-grained sand	- - -	15	Clay	- - -	21
Shale, sand and shell	- - -	315	Sandy clay	- - -	34
Fine-grained sand	- - -	40	Clay	- - -	36
Shale and shell	- - -	114	Sand	- - -	5
Gumbo	- - -	13	Clay	- - -	13
Fine-grained sand and shale	- - -	78	Sand	- - -	5
Sandy shale	- - -	189	Clay	- - -	9
Fine-grained sand	- - -	80	Sandy clay	- - -	55
			Clay	- - -	15
			Sand	- - -	30
			Clay	- - -	11
			Sand	- - -	4
			Sandy clay	- - -	9
			Sand	- - -	44
<u>Driller's log of well 714</u>			<u>Driller's log of well 744</u>		
Sun Oil Co., $7\frac{3}{4}$ miles southwest of Alta Loma. Well 3.			Sun Oil Co., $10\frac{3}{4}$ miles southwest of High Island.		
Soil and clay	- - -	93	Surface	- - -	4
Fine-grained sand	- - -	15	Sand	- - -	6
Shale, sand and shell	- - -	315	Sand and shell	- - -	16
Fine-grained sand	- - -	40	Clay	- - -	2
Shale and shell	- - -	114	Sand	- - -	25
Gumbo	- - -	13	Clay and sandy clay	- - -	43
Fine-grained sand and shale	- - -	78	Sand	- - -	4
Sandy shale	- - -	189	Clay	- - -	46
Fine-grained sand	- - -	80	Sand	- - -	14
			Clay	- - -	45
			Sand	- - -	38
			Gravel	- - -	10
			Clay	- - -	4
<u>Driller's log of well 723</u>			<u>Driller's log of well 745</u>		
The Texas Co., $12\frac{3}{4}$ miles northeast of Galveston.			Sun Oil Co., $10\frac{3}{4}$ miles southwest of High Island.		
Water	- - -	11	Sand and clay	- - -	199
Muck	- - -	35	Sand	- - -	52
Sand	- - -	20	Clay	- - -	2
Shale	- - -	41	Sand	- - -	17
Gravel	- - -	66			
Shale	- - -	244			
Sand	- - -	24			
<u>Driller's log of well 732</u>					
Stanolind Oil and Gas Co., $1\frac{1}{2}$ miles south of High Island.					
Surface sand and clay	- - -	70			
Clay	- - -	27			
Sand and shale	- - -	12			
Clay	- - -	76			
Sand	- - -	23			

Partial analyses of water from wells and springs in Galveston County, Texas

All analyses by chemists of U. S. Geological Survey unless otherwise noted. Results are in parts per million. Well numbers correspond with numbers in table of well records.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
4	J. L. Jones	90	Feb. 15, 1939	773	-	-	176	385	12	272	b/	-	330
5	do.	500+	do.	689	-	-	212	390	a/	212	b/	-	180
6	G. W. McClure	440	do.	411	-	-	144	352	a/	59	b/	-	81
7	J. L. Jones	505	do.	318	-	-	106	282	a/	36	b/	-	75
8	Chester Eignus	400	do.	292	-	-	102	281	a/	35	b/	-	58
10	Mrs. Mary Baker	150	do.	666	-	-	165	399	13	197	b/	-	262
12	A. W. McGinnis	117	Feb. 22, 1939	791	-	-	165	376	13	273	b/	-	368
13	C. W. Bills	138	Feb. 16, 1939	774	-	-	162	338	15	268	b/	.5	360
14	Mrs. W. T. Smith	135	Feb. 17, 1939	768	-	-	172	386	18	259	b/	.3	330
15	H. Allman	150	Feb. 21, 1939	825	-	-	159	401	10	295	b/	.5	412
16	Cecil Brown	562	Feb. 15, 1939	311	-	-	104	297	a/	39	b/	-	74
16	do.	562	Aug. 8, 1941	351	20	5	116	316	a/	42	b/	.7	70
17	Old Friendswood School	440	Feb. 16, 1939	293	-	-	101	252	a/	33	b/	.5	63
18	E. A. Glines	128	Feb. 17, 1939	821	-	-	177	364	12	308	b/	-	368
19	Friendswood School	560	Feb. 16, 1939	944	-	-	215	342	31	370	b/	-	390
20	Cecil Brown	150	Feb. 22, 1939	966	-	-	192	330	33	385	b/	-	458
21	Mrs. M. M. Strickland	210	Mar. 14, 1939	777	-	-	244	556	a/	195	b/	-	202
22	Ed Lemoine	23	Aug. 21, 1933	569	123	40	32	451	12	105	30	-	484
1/ 23	Joe Taylor	950	Oct. 23, 1927	-	12	2	-	268	-	72	-	-	38
23	do.	950	July 19, 1933	536	51	33	141	520	a/	97	b/	-	263
23	do.	950	Mar. 14, 1939	766	-	-	257	561	a/	186	b/	-	165
25	G. H. & H. R.R.	208	do.	1,429	-	-	516	600	a/	580	b/	-	189
1/ 27	Parke	88	Dec. 24, 1928	501	102	36	41	532	a/	40	b/	-	403
29	Emil Schenk	575	Mar. 14, 1939	426	-	-	173	330	a/	85	b/	-	28
31	J. Freunds	700+	Mar. 21, 1939	615	-	-	247	394	a/	178	b/	-	38

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
34	--- Champion	12	Mar. 22, 1939	569	-	-	103	442	25	100	b/	-	308
36	W. G. Ellis	202	Mar. 23, 1939	768	-	-	287	592	a/	171	b/	-	104
38	W. Scott	96	Mar. 22, 1939	681	-	-	108	362	a/	202	b/	-	398
39	Texas Corinthian Yacht Club	163	do.	726	-	-	241	532	a/	150	b/	-	165
40	S. J. Gordy	40	do.	459	-	-	53	474	a/	39	b/	-	330
41	Bay Shore Lumber Company	106	Mar. 17, 1939	-	-	-	-	-	a/	172	b/	-	-
43	L. Scharck	100	Mar. 22, 1939	901	-	-	173	466	a/	318	b/	-	458
44	W. F. Hepworth	605	Mar. 21, 1939	549	-	-	212	416	a/	96	b/	-	63
45	A. C. Burton	580	Mar. 22, 1939	500	-	-	205	394	a/	87	b/	-	32
46	E. W. Platzner	368	do.	485	-	-	195	384	a/	92	b/	-	38
47	J. E. Haviland	600	Mar. 17, 1939	561	-	-	227	384	a/	150	b/	-	33
48	B. Gray	-	do.	474	-	-	193	402	a/	86	b/	-	-
49	H. E. Rhuland	655	do.	629	-	-	258	376	a/	175	b/	-	28
49	do.	655	Mar. 28, 1940	640	-	-	259	426	a/	177	b/	-	36
50	J. P. Robinson	74	Feb. 21, 1939	1,085	-	-	235	462	22	418	b/	-	480
51	Clear Lake Shores	578	Mar. 17, 1939	542	-	-	222	356	a/	140	b/	-	28
52	A. L. Schmidt	467	do.	526	-	-	212	342	a/	138	b/	-	34
56	D. D. McDonald	105	do.	1,620	-	-	348	456	23	755	b/	-	705
57	Hall J. McConnell	514	Mar. 16, 1939	419	-	-	171	344	a/	82	b/	-	27
58	W. G. Cudlipp	640	do.	362	-	-	147	276	a/	67	b/	-	26
59	League Est.	75	Apr. 11, 1939	1,577	95	52	452	464	10	740	b/	-	452
60	F. Schott	570	Mar. 16, 1939	446	-	-	176	342	a/	100	b/	-	40
62	W. R. McClendon	170	May 10, 1932	170	30	20	362	574	60	271	b/	-	157
63	Bayshore Inv. Co.	555	Apr. 20, 1939	616	8	3	244	427	a/	149	b/	-	32
67	S. J. Helton	227	Apr. 21, 1939	982	25	11	367	708	a/	230	20	-	107
68	Sinclair Oil Co.	22	do.	840	107	29	185	500	13	260	b/	-	388
69	L. W. Kelsey	89	Apr. 20, 1939	1,262	124	61	283	494	12	539	20	-	563
71	A. Bard	77	do.	986	131	31	209	384	20	406	b/	-	454
72	Alma E. Fuqua	135	do.	967	-	-	-	634	32	257	b/	-	-
73	A. F. Richter	163	do.	947	-	-	-	653	15	250	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
74	Mrs. Claude Clarkston	200	Apr. 19, 1939	735	119	29	128	427	15	234	b/	-	418
75	W. P. Derrick	140	do.	802	38	20	261	555	20	190	b/	-	177
76	R. B. Walling	600	do.	557	12	3	214	354	a/	152	b/	-	42
77	F. A. Morgan	650	Mar. 22, 1939	571	-	-	227	338	a/	162	b/	-	40
78	W. C. Reppert	350	Apr. 19, 1939	899	37	12	315	622	a/	224	b/	-	143
79	H. J. Roberts	35	Apr. 21, 1939	593	-	-	-	482	12	116	b/	-	-
80	W. G. Heckendorn	150	do.	1,211	58	35	383	744	15	350	b/	-	286
81	J. M. West	600	Feb. 28, 1939	312	-	-	109	298	a/	39	b/	-	64
82	Mo. Pac. R.R.	642	May 1, 1939	533	-	-	203	334	a/	158	b/	-	57
87	Otto Letzerich	500	Mar. 1, 1939	314	-	-	112	280	a/	39	b/	-	58
89	-- Richter	600	Mar. 6, 1939	749	-	-	197	412	a/	252	b/	-	267
91	do.	150	do.	773	-	-	247	400	a/	241	b/	-	183
92	Geo. S. Taylor	140	Mar. 3, 1939	679	-	-	215	286	a/	250	b/	-	159
93	J. T. Thompson	150	Mar. 6, 1939	648	-	-	158	442	20	157	b/	-	261
95	Otto Letzerich	160	Mar. 2, 1939	320	-	-	88	234	a/	73	b/	-	110
97	-- Caldwell	40	Mar. 6, 1939	1,631	-	-	379	440	103	700	b/	-	630
98	R. D. Haden	42	Feb. 27, 1939	2,211	-	-	509	440	169	1,005	b/	-	848
100	J. H. Butte	360	Mar. 1, 1939	365	-	-	257	373	a/	340	b/	-	234
1/101	H. E. Carter	200±	Mar. 26, 1928	913	33	15	318	806	a/	123	b/	-	144
102	John Saracca	94	Mar. 20, 1939	1,805	-	-	394	460	78	820	b/	-	758
103	Rosa Emmot	100	Aug. 1, 1933	-	-	-	-	510	36	325	b/	-	345
104	Paul Lobit	15	Mar. 20, 1939	698	-	-	144	488	10	168	b/	-	338
106	Mrs. Hans Gouldman	1,100±	Mar. 27, 1939	2,059	33	11	775	506	a/	990	b/	-	127
108	Dickinson Ice Co.	576	Mar. 29, 1935	447	5	2	181	370	a/	75	b/	-	19
108	do.	576	Feb. 20, 1939	431	-	-	181	366	a/	77	b/	-	16
1/111	Dickinson Fig Plant	875	Aug. 16, 1926	1,920	15	7	736	344	a/	985	b/	-	66
111	do.	215	July 18, 1933	832	20	12	296	600	a/	175	b/	-	99
113	E. Menotti	504	Apr. 5, 1939	501	3	3	203	415	a/	86	b/	-	22
114	C. L. Dobbins	350±	Apr. 10, 1939	669	5	4	267	427	a/	182	b/	-	27
116	Mrs. M. Moore	65	Mar. 23, 1939	806	-	-	195	524	a/	230	b/	-	330

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County--Continued
Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
118	Dairy Farmers Co-Op. Assn.	96	Jan 26, 1939	476	-	-	122	420	18	63	b/	-	186
120	M. B. Butler	140	Mar. 13, 1939	960	-	-	272	484	18	332	-	-	292
121	Joe Daro	168	Mar. 17, 1939	642	-	-	162	502	a/	138	-	-	255
122	B. Tracconae	100	do.	714	-	-	140	446	18	198	-	-	360
123	Tony Cassina	144	Mar. 18, 1939	773	-	-	259	623	a/	158	b/	-	172
124	Mrs. M. Cassina	65	Mar. 17, 1939	1,327	-	-	244	415	72	550	-	-	660
125	M. B. Butler	132	Mar. 13, 1939	1,142	-	-	273	458	54	428	-	-	442
126	Paul Lobit	35	Mar. 18, 1939	1,309	-	-	123	403	61	555	-	-	908
127	Ross Ferro	100+	Mar. 17, 1939	1,058	-	-	302	556	36	340	-	-	315
128	O. M. Trippodo	105	Apr. 5, 1939	1,187	88	57	293	470	66	452	b/	-	455
129	C. Radicioni	87	do.	1,103	87	53	270	512	43	398	b/	-	438
132	Robt. Jones	11	Mar. 20, 1939	303	-	-	53	308	a/	28	b/	-	177
133	John Battistoni	22	Apr. 5, 1939	802	34	34	190	573	12	200	b/	-	351
134	Joe Giamalve	20	Apr. 6, 1939	1,295	109	51	331	610	24	480	b/	-	482
136	-- Mancusso	18	do.	1,922	172	71	448	549	303	658	b/	-	719
137	Mrs. G. Marselli	600	Apr. 5, 1939	518	6	-	211	390	a/	108	b/	-	15
138	M. Martinez	23	Mar. 21, 1939	1,230	-	-	356	656	36	395	b/	-	360
139	Lucy Howard	20	Mar. 20, 1939	3,244	-	-	745	448	205	1,615	b/	-	1,238
140	Jim Wiley	15	do.	1,477	136	61	325	349	253	530	b/	-	590
141	Annie Harris	12	Mar. 21, 1939	1,273	-	-	149	536	215	328	b/	-	585
143	Phillips Pet. Co.	432	Sept. 15, 1939	466	8	3	176	358	a/	74	b/	-	31
144	Midstates Oil Co.	650+	Mar. 24, 1939	425	11	3	165	378	a/	58	b/	-	37
146	Ross Stewart	716+	do.	375	-	-	154	344	a/	54	b/	-	24
153	J. H. Blaising	478	May 16, 1939	660	-	-	268	464	a/	170	b/	-	39
155	G. B. Slate	170	do.	930	-	-	345	630	a/	252	b/	.3	123
156	D. C. Richards	478	June 17, 1939	734	-	-	299	584	a/	153	b/	.7	48
159	Chas. Ellis	547	May 17, 1939	552	-	-	230	469	a/	98	b/	1.2	27
160	C. J. Blume	557	do.	557	-	-	333	472	a/	100	b/	1.3	26
162	D. C. Richards	665	do.	835	-	-	206	414	a/	79	b/	1.2	20
165	F. G. Eideman	225	do.	920	-	-	353	684	a/	218	b/	0	102
169	T. W. Saunders	225	do.	956	-	-	370	717	a/	223	b/	0	99
173	San Leon Dev. Co.	600	do.	934	-	-	365	702	a/	207	b/	.1	92

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
177	F. G. Eideman	687	May 16, 1939	473	-	-	199	398	a/	86	-	1.2	20
178	W. H. Sutton	200	May 15, 1939	901	-	-	335	634	a/	210	b/	-	123
179	Chas. Peterson	33	do.	2,685	-	-	647	500	112	1,320	b/	-	982
180	W. H. Sutton	100	do.	3,562	-	-	746	412	162	1,870	b/	-	1,522
181	Mrs. -- Butterfield	480	do.	664	-	-	271	472	a/	168	b/	-	36
184	So. Pac R.R.	601	do.	645	-	-	263	427	a/	180	b/	-	34
1/184 & 185	do.	601	Sept. 17, 1931	703	9	2	-	443	-	182	b/	-	31
186	Adams Preserving Co.	656	May 15, 1939	683	-	-	282	392	a/	190	b/	-	28
187	Geo. Knight	487	do.	731	-	-	316	608	a/	167	b/	-	52
189	Col. -- Moore	700±	do.	640	-	-	269	520	a/	123	b/	-	22
190	Mike Harmon	17	Apr. 11, 1939	1,019	74	43	275	622	11	310	b/	-	361
194	W. H. Sutton	18	May 15, 1939	-	-	-	-	-	675	3,175	b/	-	-
196	Mainland Co.	15	do.	3,744	-	-	1,125	334	236	1,390	b/	-	832
197	H. F. Wetzel	10	do.	312	-	-	185	316	203	148	20	-	292
198	E. H. Swetman	94	do.	-	-	-	-	-	375	730	b/	-	-
199	V. D. Fereday	120	May 8, 1939	2,653	-	-	670	536	392	1,010	b/	-	855
200	Leilla Jackson	12	May 6, 1939	959	-	-	207	610	25	260	.0	-	442
202	Frank Bell	120	Apr. 12, 1939	803	55	27	235	593	a/	184	b/	-	247
205	G.H. & H. R.R.	914	Aug. 8, 1941	1,576	25	10	574	352	a/	750	b/	.8	104
207	C. R. Danner	30	May 6, 1939	657	-	-	165	519	10	131	.0	.4	262
208	A. D. Thibodeaux	100	Apr. 11, 1939	623	64	32	141	464	14	144	b/	-	290
209	H. N. Garner	25	Apr. 10, 1939	433	122	23	35	439	a/	73	b/	-	399
210	Sam Pollitz	115	do.	526	80	22	102	476	a/	80	b/	-	289
211	Bob O'Brian	174	Apr. 11, 1939	990	22	15	368	762	20	190	b/	-	114
212	F. B. Louvier	96	May 3, 1939	1,162	-	-	271	523	a/	448	b/	-	480
213	Bundy Estate	30	do.	643	-	-	135	670	a/	52	b/	-	330
214	R. W. Palmer	88	May 8, 1939	906	-	-	217	484	a/	312	b/	.9	368
215	H. H. Ellis	400	Dec. 15, 1938	791	-	-	333	586	a/	173	b/	-	24
216	Chas. Lowry	100	do.	349	-	-	227	512	a/	230	b/	-	300
217	Mike Cassidy	96	Apr. 10, 1939	1,365	111	61	335	537	a/	555	31	-	528

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by C. S. Wilson.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
218	J. H. Theiler	52	Apr. 10, 1939	501	116	26	47	488	10	62	b/	-	396
219	Joe Brown	20	Apr. 12, 1939	902	91	35	213	616	100	160	b/	-	372
220	Frank Bell	110	do.	1,552	200	23	367	482	50	670	b/	-	594
222	S. M. O'Callaghan	30	July 18, 1933	961	66	45	254	603	33	265	b/	-	350
223	Otis Walker	246	do.	866	14	11	332	688	a/	166	b/	-	80
223	do.	246	Dec. 15, 1938	853	-	-	339	636	a/	164	b/	-	72
1/224	Community Pub. Service Co.	1,039	Jan. 13, 1916	1,496	20	11	-	261	-	767	-	-	95
224	do.	1,039	May 10, 1932	1,608	26	11	584	346	a/	775	b/	-	110
224	do.	1,039	Mar. 29, 1935	-	-	-	-	355	a/	758	-	-	114
225	do.	791	Feb. 21, 1939	775	-	-	317	446	a/	250	b/	1.1	32
1/225	do.	812	May 9, 1910	682	8	3	261	379	a/	198	-	-	30
227	do.	783	July 13, 1933	822	9	3	315	478	a/	230	b/	-	34
227	do.	783	Mar. 30, 1935	821	9	3	324	475	a/	248	b/	-	37
227	do.	783	Feb. 21, 1939	821	-	-	334	467	a/	250	b/	-	40
229	Knox Process Corp.	574	Mar. 2, 1939	785	-	-	328	560	a/	177	b/	-	30
230	Pan American Refining Co.	611	July 19, 1933	811	8	3	309	578	a/	162	b/	-	32
234	Texas City Terminal R.R.	550	Feb. 22, 1939	936	-	-	389	649	a/	245	b/	.9	36
235	do.	547	do.	1,002	-	-	412	614	a/	305	b/	-	39
239	do.	855	July 19, 1933	990	9	3	375	511	a/	305	b/	-	37
241	W. P. Ludwig	700	Dec. 15, 1939	746	-	-	313	400	a/	226	b/	-	15
243	Stone Oil Co.	801	Feb 21, 1939	826	-	-	347	572	a/	205	b/	-	24
245	Republic Oil Refining Co.	857	do.	810	-	-	339	528	a/	220	b/	-	24
246	Pan American Refining Co. Well 2	610	July 14, 1939	668	-	-	279	523	a/	140	b/	-	28

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

f/ Analysis made by Houston Laboratories, Houston.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
247	Pan American Refining Co. Well 3	965	July 14, 1939	1,642	-	-	626	367	a/	830	b/	-	117
248	Pan American Refining Co. Well 6	1,000	do.	2,154	-	-	797	330	a/	1,165	b/	-	195
249	Pan American Refining Co. Well 7	1,024	do.	1,912	-	-	721	345	a/	1,010	b/	-	147
250	Pan American Refining Co. Well 4	974	do.	1,344	-	-	513	355	a/	650	b/	-	99
251	Pan American Refining Co. Well 5	965	do.	874	-	-	353	396	a/	330	b/	.7	39
252	Pan American Refining Co. Well 8	1,000	do.	1,596	-	-	602	348	a/	810	b/	-	129
253	T. S. George	113	Apr. 18, 1939	903	74	32	244	525	a/	292	b/	-	315
254	W. E. Smith	104	Apr. 14, 1939	1,339	159	71	259	427	a/	639	b/	-	689
256	-- Copelus	100	Apr. 17, 1939	761	97	27	169	512	14	202	b/	-	352
257	W. P. Sweeney	85	Apr. 14, 1939	655	107	21	124	476	10	158	b/	-	353
258	P. H. Naschke	750	Feb. 27, 1939	672	-	-	280	430	a/	185	b/	-	22
260	Houston Light & Power Co.	520	Apr. 17, 1939	595	4	1	245	451	a/	121	b/	-	10
1/262	City of Galveston Well 1	840	Sept. 4, 1916	692	-	-	-	-	-	255	-	-	46
1/262	do.	840	Apr. 21, 1934	1,042	16	10	354	696	a/	236	b/	-	-
1/262	do.	840	Sept. 6, 1938	-	23	6	258	258	a/	260	b/	-	83
262	do.	840	Jan. 14, 1939	-	-	-	-	330	a/	265	b/	-	58
262	do.	840	Aug. 6, 1941	760	15	6	273	329	a/	270	b/	.7	60

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
1/263	City of Galveston Well 6	350	Apr. 21, 1934	781	18	4	282	329	a/	286	b/	-	-
1/263	do.	850	Sept. 6, 1938	-	23	5	263	267	a/	288	b/	-	79
263	do.	850	Jan. 15, 1939	-	-	-	-	332	a/	330	b/	-	75
263	do.	850	Aug. 6, 1941	925	23	8	327	338	a/	370	b/	.5	92
264	City of Galveston Well 7	843	July 22, 1933	852	20	7	306	331	a/	330	b/	-	77
1/264	do.		Apr. 21, 1934	869	20	5	311	333	a/	335	b/	-	-
264	do.		Mar. 29, 1935	979	26	8	356	333	a/	422	b/	-	98
1/264	do.		Sept. 6, 1938	-	33	7	324	262	a/	389	b/	-	30
264	do.		Jan. 15, 1939	-	-	-	-	328	a/	395	b/	-	84
264	do.		Feb. 6, 1940	1,008	27	10	353	334	a/	425	b/	.6	108
264	do.		Aug. 6, 1941	1,142	34	12	393	338	a/	502	b/	.6	134
1/265	City of Galveston Well 2	855	Sept. 4, 1916	684	-	-	-	-	-	234	b/	-	46
1/265	do.		Apr. 21, 1934	673	14	4	242	341	a/	207	b/	-	-
1/265	do.		Sept. 6, 1938	-	15	3	211	266	a/	191	b/	-	51
265	do.		Jan. 13, 1939	-	-	-	-	350	a/	208	b/	-	45
265	do.		Feb. 6, 1940	660	12	5	240	344	a/	202	b/	.8	49
265	do.		Aug. 6, 1941	660	10	4	242	348	a/	198	b/	.8	42
1/266	City of Galveston Well 3	866	Apr. 21, 1934	995	25	5	356	333	a/	431	b/	-	-
1/266	do.		Sept. 6, 1938	-	42	12	386	268	a/	536	b/	-	155
266	do.		Feb. 18, 1939	-	-	-	-	270	a/	550	b/	-	129
266	do.		Feb. 7, 1940	1,365	48	17	457	332	a/	645	b/	.5	190
266	do.		Aug. 6, 1941	1,572	59	20	520	332	a/	768	b/	.5	229
1/267	City of Galveston Well 4	873	Apr. 21, 1934	862	20	6	303	333	a/	328	b/	-	-
1/267	do.		Sept. 6, 1938	-	53	12	429	286	a/	612	b/	-	183
267	do.		Dec. 18, 1938	-	-	-	-	336	a/	605	b/	-	165
267	do.		Feb. 7, 1940	1,327	47	16	447	332	a/	625	b/	.5	183
267	do.		Aug. 6, 1941	1,418	51	17	478	340	a/	675	b/	.7	198

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
<u>1</u> /268	City of Galveston Well 5	838	Apr. 21, 1934	822	22	7	291	333	a/	314	b/	-	-
<u>1</u> /268	do.		Sept. 6, 1938	-	26	5	324	263	a/	385	b/	-	86
268	do.		Jan. 14, 1939	-	-	-	-	312	a/	465	b/	-	111
268	do.		Aug. 6, 1941	1,243	41	14	424	334	a/	570	b/	.7	160
<u>1</u> /269	City of Galveston Well 2-S	793	Sept. 4, 1916	660	-	-	-	-	-	234	-	-	51
<u>1</u> /270	City of Galveston Well 4-S	863	do.	728	-	-	-	-	-	288	-	-	46
<u>2</u> /271	City of Galveston Well 6-S	805	Dec. 18, 1899	693	-	-	-	-	-	244	-	-	52
<u>1</u> /271	do.		Sept. 4, 1916	652	-	-	-	-	-	266	-	-	44
<u>1</u> /272	City of Galveston Well 8-S	809	do.	776	-	-	-	-	-	288	-	-	44
<u>1</u> /273	City of Galveston Well 14-S	800	do.	624	-	-	-	-	-	191	-	-	39
<u>1</u> /274	City of Galveston Well 16-S	838	do.	680	-	-	-	-	-	269	-	-	45
<u>1</u> /275	City of Galveston Well 18-S	800	do.	688	-	-	-	-	-	269	-	-	48
<u>1</u> /276	City of Galveston Well 24-S	844	do.	876	-	-	-	-	-	322	-	-	75
278	Mrs. H. Huntington	38	Jan. 18, 1939	370	-	-	52	372	a/	35	b/	-	243
279	N. J. Morena	120	July 22, 1933	765	42	30	229	626	12	140	b/	-	228
279	do.	120	Jan. 18, 1939	737	-	-	225	530	20	143	b/	-	204
281	C. R. Platzner	34	July 22, 1933	464	115	32	22	438	a/	70	b/	-	419
284	W. F. Reitmeyer	728	Apr. 22, 1939	605	7	5	238	433	a/	141	b/	-	38
287	H. L. Roberts	720	Feb. 3, 1939	658	-	-	254	296	a/	235	b/	-	56
288	do.	720	do.	925	-	-	352	646	a/	241	b/	-	105
289	Fred Johnson	260	July 22, 1933	1,095	22	18	398	598	a/	355	b/	-	131
289	do.	260	Apr. 12, 1939	1,114	23	17	403	616	12	350	b/	-	136

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

2/ Analysis made by Frazier and Co., New York.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
291	Hitchcock Ice & Fuel Co.	720	July 22, 1933	577	9	4	215	399	a/	124	b/	-	36
291	do.	720	Mar. 29, 1935	-	-	-	-	399	a/	126	-	-	28
1/293	L. Schanzer	208	Oct. 10, 1930	-	22	6	-	304	-	302	-	-	79
293	do.	203	Apr. 11, 1939	1,134	9	12	440	634	a/	360	b/	-	73
294	H. L. Roberts	710	Feb. 3, 1939	450	-	-	183	348	a/	99	b/	-	27
298	J. A. Bret	40	Aug. 4, 1933	-	-	-	-	481	22	215	b/	-	405
301	J. Hacker	763	Apr. 25, 1939	483	-	-	196	351	a/	102	b/	.8	32
302	Joe Tarrasso	790	Apr. 19, 1939	648	-	-	262	457	a/	155	b/	.4	42
304	H. Schoeffler	252	Feb. 3, 1939	769	-	-	204	616	10	151	b/	-	285
307	A. L. Moller	913	Jan. 1, 1939	1,032	16	-	404	306	a/	470	b/	-	60
308	J. D. Hughes	180	May 1, 1939	942	-	-	198	506	12	315	b/	-	442
309	A. L. Moller	240	Dec. 21, 1938	1,222	-	-	475	692	a/	392	b/	-	104
311	L. M. Still	102	Feb. 22, 1939	586	-	-	134	500	a/	100	b/	-	267
313	C. E. Lohec	132	Dec. 20, 1938	467	-	-	62	400	a/	43	b/	-	315
314	B. L. Millard	32	Jan. 25, 1939	476	-	-	50	440	a/	53	b/	-	345
315	A. L. Moller	104	Dec. 20, 1938	812	-	-	276	98	80	385	b/	-	108
316	E. H. Mitchell	100	Apr. 26, 1939	2,285	-	-	571	684	310	800	b/	.4	772
317	Tom Prets	104	do.	1,049	-	-	364	750	18	248	b/	.8	195
319	W. D. Hayden	547	Mar. 3, 1939	504	-	-	208	390	a/	100	b/	-	27
320	Galveston Memorial Park	510	Apr. 26, 1939	1,348	-	-	407	694	166	335	b/	.7	330
321	J. M. Tacquard	105	Apr. 12, 1939	1,411	78	41	434	354	20	418	b/	-	366
322	John Ghino	108	Jan. 26, 1939	747	-	-	233	582	16	124	b/	-	201
323	H. Sayko	40	do.	483	-	-	72	422	a/	58	b/	-	308
324	W. R. Jacobs	32	Jan. 19, 1939	496	-	-	68	484	a/	55	b/	-	330
325	C. Tacquard	35	Feb. 2, 1939	614	-	-	127	533	12	95	b/	-	308
327	Louis Debb	19	Feb. 24, 1939	1,042	-	-	228	527	53	330	b/	-	458
330	Mrs. L. Savage	205	Apr. 11, 1939	4,541	-	199	578	366	2,341	625	b/	-	2,364
331	A. L. Foster	35	do.	1,814	204	64	392	598	166	670	24	-	775
332	N. Cambinos	196+	Feb. 10, 1939	1,033	-	-	396	628	a/	268	b/	-	111
333	Andrew Manola	90	Feb. 3, 1939	968	-	-	177	623	18	265	b/	-	518

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County--Continued
Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
334	J. R. Weigel	40	Jan. 19, 1939	418	-	-	50	416	a/	42	b/	-	294
335	A. L. Moller	109	Feb. 20, 1939	696	-	-	223	584	a/	101	b/	-	180
339	W. D. Jackson	18	Feb. 10, 1939	1,245	-	-	299	608	56	412	b/	-	488
340	W. H. Crothers	35	do.	489	-	-	101	442	a/	68	b/	-	246
341	John Fuerst	28	Jan. 19, 1939	500	-	-	76	484	a/	58	b/	-	315
342	A. L. Moller	60	Feb. 21, 1939	3,284	-	-	823	268	249	1,695	b/	-	1,080
343	do.	190	Dec. 12, 1938	1,395	-	-	509	636	103	420	b/	-	158
344	H. C. Tacquard	42	Jan. 19, 1939	531	-	-	99	478	a/	76	b/	-	338
345	J. D. Hughes	60	May 1, 1939	833	-	-	111	436	27	270	b/	-	525
346	do.	80	do.	862	-	-	191	554	12	240	b/	-	390
347	do.	45	do.	1,453	-	-	414	632	79	510	b/	-	420
350	do.	60	do.	4,254	-	-	1,036	644	255	2,100	b/	.0	915
351	R. S. Wesmorland	533	July 22, 1933	569	7	3	226	431	a/	118	b/	-	29
351	do.	533	Apr. 25, 1939	549	-	-	227	428	a/	115	b/	.7	26
352	R. E. Meisterhans	30	Aug. 1, 1933	-	-	-	-	602	160	925	b/	-	758
353	J. Perthuis	495	Apr. 18, 1939	563	10	1	224	445	a/	106	b/	-	31
355	P. H. Naschke	710	July 19, 1933	690	7	3	269	447	a/	139	b/	-	28
355	do.	710	Mar. 30, 1935	-	-	-	-	450	a/	136	b/	-	21
356	R. L. Whitburn	117	July 18, 1933	846	49	18	274	664	a/	171	b/	-	196
360	Southport Pet. Co.	1,030	July 19, 1933	1,875	28	12	686	350	a/	940	b/	-	119
360	do.	1,030	Feb. 21, 1939	2,033	-	-	774	353	a/	1,085	b/	.7	140
360	do.	1,030	Aug. 8, 1941	2,086	32	15	766	356	a/	1,072	b/	.7	142
363	Texas Highway Dept.	185	Dec. 14, 1938	1,014	-	-	390	555	12	320	b/	-	92
365	Louis Margo, Jr.	37	Apr. 17, 1939	802	130	26	150	488	10	246	b/	-	431
366	D. M. Barry	104	do.	1,001	72	37	277	567	a/	328	b/	-	333
367	Pauls Union Church	104	Apr. 13, 1939	758	64	28	204	555	a/	188	b/	-	277
368	Harry Adkins	100	Apr. 18, 1939	903	53	27	276	610	a/	238	b/	-	242
369	-- Benedict	175	do.	1,965	108	56	526	659	648	303	b/	-	500
370	W. Perthuis	260	Apr 25, 1939	546	-	-	98	528	a/	61	b/	.2	312

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
371	F. C. M. Greb	50	Apr. 13, 1939	944	132	41	167	451	36	292	54	-	501
372	A. L. Gates	100	do.	1,073	61	36	321	616	a/	351	b/	-	303
373	J. M. Brown	128	do.	1,014	109	44	229	512	a/	369	b/	-	452
375	Tom George	32	Apr. 14, 1939	793	-	-	-	580	61	148	b/	-	-
376	D. Perthuis	35	Apr. 25, 1939	592	-	-	82	440	15	121	b/	-	375
378	Leo. Morovich	110	Apr. 14, 1939	1,093	90	42	289	616	a/	364	b/	-	396
379	Geo. David	48	Apr. 25, 1939	1,026	-	-	124	380	36	368	50	-	638
381	Stewart Production Co.	773	Apr. 29, 1939	568	-	-	236	394	a/	149	b/	-	21
381	do.	773	Aug. 9, 1941	617	4	3	245	400	a/	158	b/	.8	22
383	Royal Inn	97	Apr. 14, 1939	1,906	111	68	549	756	14	791	b/	-	557
384	A. I. Moller	100	Feb. 21, 1938	1,646	-	-	471	688	47	610	b/	-	480
385	do.	95	Dec. 21, 1938	1,807	-	-	517	758	45	695	b/	-	525
386	R. S. Powers	257	Feb. 14, 1938	2,595	-	-	683	626	35	1,265	b/	-	848
387	O. E. Van Notrick	240	Jan. 1, 1939	1,087	-	-	401	602	34	330	b/	-	123
388	A. I. Moller	102	Dec. 21, 1938	2,265	-	-	663	708	115	945	b/	-	592
388	do.	102	Jan. 25, 1939	22,008	-	-	5,765	538	2,000	11,725	b/	-	6,525
389	do.	215	Dec. 21, 1938	1,020	-	-	389	548	a/	348	b/	-	99
390	do.	190	do.	1,370	-	-	479	720	262	212	b/	-	133
391	do.	245	do.	1,103	-	-	414	446	a/	425	b/	-	114
392	J. D. Hughes	869	Jan. 16, 1939	350	-	-	353	580	a/	210	b/	-	33
394	do.	629	do.	848	-	-	352	562	a/	218	b/	-	33
396	Houston Farms & Development Co.	923	do.	1,107	-	-	424	336	a/	515	b/	.7	82
397	J. D. Hughes	180	May 1, 1939	1,796	-	-	523	654	a/	730	b/	-	502
406	Galveston-Houston Brewing Co.	1,335	May 18, 1939	3,765	-	-	1,362	464	a/	2,110	b/	.4	255
411	Frazier Ice & Cold Storage Co.	400±	do.	1,631	-	-	643	825	a/	620	b/	-	153
411a	do.	800	do.	3,479	-	-	1,349	416	a/	1,940	b/	-	171

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
412	Galveston Ice & Cold Storage Co.	1,345	May 10, 1932	5,843	90	54	2,119	331	a/	3,381	b/	-	446
<u>1</u> /416	Santa Fe R.R.	1,088	Jan. 1, 1932	1,800	16	6	676	446	a/	830	b/	-	66
416	do.	1,088	June 16, 1941	1,803	17	8	697	464	a/	855	b/	.9	75
<u>2</u> /417	Maco Stewart	1,000	July 2, 1927	1,705	54	31	588	728	25	648	-	-	262
419	C. D. Tellefson	7	May 16, 1939	1,078	-	-	314	190	72	512	b/	-	270
422	J. W. Wayman	11	May 15, 1939	783	-	-	169	246	36	330	b/	-	338
423	do.	11	do.	538	-	-	97	246	30	182	b/	-	278
424	do.	11	do.	1,046	-	-	220	362	120	360	b/	-	450
425	O. L. Auston	14	do.	1,741	-	-	346	116	300	765	b/	-	735
426	H. Homrighaus	16	do.	3,224	-	-	847	302	260	1,630	b/	-	975
427	Fritz Forste	12	do.	6,214	-	-	1,669	315	320	3,440	b/	-	1,815
429	Lilly Harris	15	May 13, 1939	6,566	-	-	1,847	492	500	3,660	b/	-	2,070
430	S. Nicachilli	-	do.	7,510	-	-	2,179	406	300	4,220	b/	-	1,860
431	-- Gremel	15	do.	3,092	-	-	827	204	230	1,625	b/	-	900
432	Hi-Grade Packing Co.	435	May 18, 1939	1,409	-	-	555	652	a/	490	b/	-	98
450	W. H. Wadkins	113	Feb. 22, 1939	1,057	-	-	242	328	35	450	b/	-	428
451	H. W. Bales	160	Feb. 20, 1939	915	-	-	204	382	27	348	b/	-	390
452	Louis Trager	160	do.	1,097	-	-	221	378	44	450	b/	-	510
453	F. W. Knaak	225	Feb. 16, 1939	564	-	-	133	350	a/	165	b/	-	237
454	O. K. Boles	144	Feb. 23, 1939	772	-	-	195	425	a/	260	b/	-	292
455	W. R. Bailey	35	Feb. 28, 1939	471	-	-	20	507	a/	23	b/	-	412
456	H. Friends	500+	Feb. 23, 1939	481	-	-	176	336	a/	86	b/	-	74
458	E. D. Altemus	158	do.	886	-	-	286	444	a/	320	b/	-	195
459	Scales Estate	179	do.	391	-	-	128	311	25	60	b/	-	88
460	G. G. Anderson	635	Feb. 24, 1939	321	-	-	121	288	a/	41	b/	-	45
462	W. Smith	35	Mar. 3, 1939	571	-	-	66	402	15	134	b/	-	390
465	W. M. Bell	100	Mar. 16, 1939	1,073	-	-	213	482	74	355	b/	-	510
466	J. E. Hewitt	25	Mar. 15, 1939	771	-	-	174	494	a/	200	b/	-	345
467	do.	74	do.	444	-	-	100	342	a/	85	b/	-	204
468	Anna Dale	17	do.	761	-	-	199	572	a/	172	b/	-	285

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Houston Laboratories, Houston

2/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County---Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
471	-- Priest	35	Mar. 16, 1939	625	-	-	149	546	20	89	b/	-	270
472	W. L. Price	48	Mar. 14, 1939	655	-	-	130	412	a/	170	b/	-	330
473	League Estate	110+	do.	594	-	-	124	435	a/	135	b/	-	288
474	I. M. Singeltary	35	do.	672	-	-	129	498	12	150	b/	-	352
475	Louis Plitt	550	Mar. 13, 1939	412	-	-	167	328	a/	86	b/	-	27
476	W. G. Hall	200	Mar. 14, 1939	757	-	-	256	500	a/	212	b/	-	154
478	-	35	Mar. 15, 1939	365	-	-	62	322	a/	57	b/	-	213
479	J. H. Anderson	60	do.	786	-	-	161	439	a/	255	b/	-	378
481	F. A. Reynolds	275+	Mar. 13, 1939	838	-	-	251	490	30	242	b/	-	228
482	H. F. Taylor	500+	do.	470	-	-	137	333	a/	108	b/	-	38
484	R. E. McQuirk	152	Mar. 16, 1939	786	-	-	229	514	30	197	b/	-	232
486	M. Bocco	100	Mar. 15, 1939	840	-	-	179	592	a/	215	b/	-	402
487	J. T. Whitworth	220	Mar. 10, 1939	729	-	-	251	520	a/	184	b/	-	141
488	Phillip Williams	25	Mar. 16, 1939	818	-	-	130	500	24	223	b/	-	472
489	John Vaglianti	165	do.	630	-	-	177	283	20	210	b/	-	195
490	F. O. Bear	300	Mar. 15, 1939	640	-	-	157	371	a/	206	b/	-	255
491	D. Moratto	175	do.	819	-	-	273	568	a/	215	b/	-	165
492	Joe Saracco	160	do.	819	-	-	261	553	a/	222	b/	-	201
493	Joe Daro	142	do.	759	-	-	234	554	a/	185	b/	-	207
494	Zelda Smith	300+	Mar. 13, 1939	789	-	-	236	512	a/	225	b/	-	225
496	W. F. McKibben	200	do.	735	-	-	243	510	a/	173	b/	-	165
497	E. F. Oberle	208	do.	639	-	-	225	514	a/	131	b/	-	117
498	F. Wallrab	150	Mar. 11, 1939	457	-	-	249	509	a/	232	b/	-	278
499	J. F. Thomson	92	Mar. 13, 1939	984	-	-	192	430	30	365	b/	-	480
500	J. H. Ross	180	Mar. 8, 1939	619	-	-	169	466	a/	140	b/	-	216
501	Frank Skalink	60	do.	1,012	-	-	214	448	30	370	b/	-	458
502	O. Haardt	65	do.	801	-	-	215	426	30	250	b/	-	267
503	Stewart Harvey	165	do.	650	-	-	159	436	15	166	b/	-	262
504	B. D. Sweatland	23	do.	1,204	-	-	293	547	105	358	20	-	442
506	Pete McDonald	900	Feb. 27, 1939	378	-	-	146	314	a/	55	b/	-	45
508	Geo. Pennock	51	Feb. 28, 1939	719	-	-	149	540	22	149	b/	-	352
509	F. B. Ware	32	Feb. 27, 1939	496	-	-	60	488	a/	44	b/	-	345

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
510	Carlos Peppered	35	Mar. 6, 1939	376	99	12	30	397	a/	20	b/	-	300
511	Fred Froberg	44	Mar. 2, 1939	437	120	10	55	410	a/	53	b/	-	341
512	H. A. Ruege	43	Mar. 7, 1939	629	-	-	117	432	32	138	b/	-	330
513	J. F. Durant	40	Feb. 28, 1939	1,334	-	-	237	438	81	535	b/	-	682
514	J. M. West	45	Apr. 24, 1939	452	63	19	95	451	a/	47	b/	-	237
517	do.	22	do.	1,314	67	60	362	354	26	625	b/	-	412
518	H. C. Madara	16	do.	567	71	44	96	531	10	85	b/	1.0	357
519	C. A. Madara	20	do.	1,019	134	55	181	537	30	325	b/	-	559
520	Mrs. C. P. Collins	18	do.	539	106	22	80	506	a/	76	b/	.3	354
521	Bertha Kananck	50	Mar. 7, 1939	522	-	-	36	404	34	64	25	-	398
522	H. Opsal	28	Apr. 24, 1939	524	74	33	90	476	15	78	b/	1.0	320
523	C. M. Todd	86	do.	1,003	150	67	147	659	40	275	b/	-	651
524	C. H. Adams	40+	May 2, 1939	505	-	-	-	537	a/	38	b/	-	-
525	B. D. Gresham	100+	Apr. 24, 1939	985	-	-	-	598	20	298	b/	-	-
526	Allen and Allen	18	do.	593	64	33	133	592	a/	64	b/	-	295
528	G. E. Davis	30	do.	544	-	-	-	512	a/	74	b/	-	-
529	Cooper Estate	18+	Apr. 25, 1939	540	92	33	80	543	a/	64	b/	-	365
530	Mark G. Fakes	30	do.	514	-	-	-	549	a/	40	b/	-	-
531	J. K. Aaberg	20	May 2, 1939	470	105	27	46	506	a/	36	b/	-	372
533	John Rezuk	32	Apr. 25, 1939	508	83	28	85	543	a/	42	b/	-	322
534	W. H. Mitchel	27	do.	526	-	-	-	531	16	44	b/	-	-
535	C. W. Vandyke	42	Apr. 26, 1939	420	116	16	30	445	a/	38	b/	-	355
536	Mrs. A. F. Winton	103	Apr. 25, 1939	910	107	44	186	390	16	365	b/	.9	447
538	Joe Giambo	135	do.	430	116	18	26	372	12	75	b/	.4	366
540	G. N. Rymal	325	Apr. 26, 1939	490	89	21	78	427	a/	84	b/	.4	308
541	T. C. Scruggs	35	Mar. 4, 1939	-	-	-	-	-	a/	36	b/	-	-
542	F. J. Netter	40	May 2, 1939	493	87	19	85	451	a/	76	b/	.4	297
543	J. K. Aaberg	35	do.	393	118	15	18	433	a/	24	b/	-	354
544	C. E. Holbert	160	do.	484	-	-	70	490	a/	44	b/	-	315
545	H. E. Stockwell	226	do.	658	19	11	241	561	a/	110	b/	.8	92
546	Lee Childs	40	do.	484	-	-	42	481	a/	50	b/	-	375
547	K. McPeters	70	Apr. 26, 1939	448	-	-	-	476	a/	36	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
548	Mrs. W. M. Holloway	48	Apr. 27, 1939	416	76	15	73	427	a/	39	b/	.2	249
549	J. A. Unger	360	do.	465	98	24	56	500	a/	38	b/	-	345
550	G. I. Moore	44	do.	473	-	-	-	445	a/	62	b/	-	-
551	Neils Nelson	175	do.	517	57	19	128	500	11	56	b/	1.0	222
552	Grace Childs	39	do.	531	80	22	104	476	a/	32	b/	-	289
553	Mrs. M. L. Jackson	22	do.	608	162	22	37	451	15	115	35	-	494
554	Dr. -- Barnes	28	do.	462	-	-	-	464	a/	50	b/	-	-
555	Leannah Jones	35	do.	404	101	12	46	451	a/	22	b/	-	303
562	Izack Littman	626	Mar 23, 1939	609	-	-	247	336	a/	175	b/	-	32
565	J. W. Shelor	620+	do.	611	-	-	253	396	a/	175	b/	-	22
567	B. A. Lee	162	do.	874	-	-	315	606	a/	138	b/	-	144
568	Hutchins-Sealy	200+	Apr 10, 1939	857	22	10	319	641	a/	137	b/	-	96
569	C. L. Dobbins	201	Apr. 19, 1939	887	29	11	323	671	a/	190	b/	-	117
570	do.	1,167	May 13, 1939	708	-	-	286	388	a/	232	b/	-	36
572	Father Richter	463	May 18, 1939	437	2	3	178	372	a/	70	b/	-	17
574	Paul Lobit	250	Mar. 27, 1939	357	25	12	312	634	a/	192	b/	-	113
575	Carl Kobarg	160	do.	1,407	106	58	362	531	61	559	b/	-	501
579	G. A. Beaver	58	Apr. 4, 1939	805	50	26	242	622	21	160	b/	-	231
581	Henrietta Schmidt	18	Mar. 28, 1939	917	51	45	254	537	a/	300	b/	-	313
582	Robert Bear	24	Mar 29, 1939	599	78	30	123	573	14	72	b/	-	319
583	Fred Benson	100	Mar. 25, 1939	1,004	56	33	302	610	28	285	b/	-	276
584	Mrs. H. J. Weigand	430	Mar. 28, 1939	704	18	9	264	604	a/	112	b/	-	80
585	E. P. Howell	694	Mar. 27, 1939	555	12	3	212	317	a/	170	b/	-	42
586	R. L. Allen	208	Mar. 24, 1939	721	-	-	268	626	a/	123	b/	-	105
587	Mrs. H. C. Hirt	750	Mar. 28, 1939	457	5	4	182	378	a/	78	b/	-	27
588	C. L. Desel	90	Mar. 24, 1939	-	-	-	-	-	120	430	b/	-	-
590	Mrs. Fred Burton	75	do.	1,279	-	-	314	529	90	445	b/	-	472
591	Will Horwitz	460	Apr. 11, 1939	435	5	4	173	366	a/	72	b/	-	27
593	C. M. Wolston, Sr.	210	Mar. 22, 1939	803	-	-	295	582	a/	198	b/	-	117
594	Mrs. C. B. Benson	100	Mar. 24, 1939	1,075	-	-	327	582	44	330	b/	-	278
595	W. L. Droulhet	211	Mar. 22, 1939	757	-	-	285	580	e/	170	b/	-	96

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
596	Ed. Salzmann	256	Mar. 22, 1939	814	-	-	305	630	a/	180	b/	-	108
598	R. J. Hughes	100	Apr. 10, 1939	876	103	29	204	573	30	228	b/	-	378
599	Anna Dickson	155	do.	791	-	-	-	628	28	151	b/	-	-
600	G. D. Butler	96	Mar. 31, 1939	729	78	41	155	512	11	192	b/	-	366
601	J. C. Ecret	820	Aug. 2, 1941	1,285	-	-	461	472	a/	495	b/	-	96
602	Ed Deats	52	Mar. 31, 1939	430	-	-	-	439	a/	42	b/	-	-
603	J. C. Ecret	434	Mar. 23, 1939	634	-	-	261	500	a/	135	b/	-	34
604	Maco Stewart	740	Apr. 11, 1939	650	11	3	255	415	a/	177	b/	-	37
606	do.	550	Mar. 31, 1939	627	14	1	243	403	a/	168	b/	-	41
608	do.	858	do.	1,308	96	63	328	537	37	520	b/	-	499
609	Pan American Prod. Co.	111	Mar. 23, 1939	1,492	-	-	380	565	101	550	b/	-	518
610	Midstates Oil Co.	700	Apr. 11, 1939	654	7	2	264	500	a/	134	b/	-	27
611	J. Palama	700+	Mar. 31, 1939	553	-	-	-	451	a/	117	b/	-	-
612	Geo. Harris	100	Mar. 23, 1939	849	-	-	199	514	a/	255	b/	-	360
613	Irving and Bishop	19	Mar. 24, 1939	977	-	-	258	618	27	265	b/	-	348
615	Frank Senger	30	Mar. 29, 1939	883	69	36	236	604	13	232	b/	-	323
616	-- Dues	92	do.	1,028	61	35	304	580	a/	342	b/	-	297
617	Frank Drees	88	do.	1,026	64	32	305	604	a/	318	b/	-	290
618	Ed H. Dues	150	do.	723	11	11	275	634	a/	106	b/	-	72
619	Phenix Dairy	780	do.	460	11	5	173	329	a/	108	b/	-	48
621	J. M. Goode	38	Mar. 31, 1939	1,075	98	43	268	573	18	366	b/	-	421
622	F. H. Thaman	35	Mar. 30, 1939	765	75	44	172	610	12	162	b/	-	367
623	R. Burns	105	do.	827	78	33	208	561	12	220	b/	-	330
624	O. E. Henderson	35	Mar. 31, 1939	566	93	28	97	549	a/	74	b/	-	347
626	A. L. Moller	38	Dec. 20, 1938	474	86	20	75	448	a/	38	b/	-	297
627	Maco Stewart	800+	Mar. 24, 1939	525	-	-	218	396	a/	108	b/	-	24
628	do.	525	do.	527	-	-	218	408	a/	112	b/	-	26
630	O. E. Coleman	110	Mar. 25, 1939	543	-	-	98	467	25	74	b/	-	300
631	A. L. Moller	95	Feb. 20, 1938	837	-	-	277	648	a/	181	b/	-	189
632	do.	35	do.	903	-	-	253	632	15	222	b/	-	297
633	do.	100	do.	627	-	-	160	562	a/	90	b/	-	249
634	do.	100	do.	633	-	-	177	508	a/	105	b/	-	219

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
635	Mrs. Sarah Barr	103	Apr. 6, 1939	644	62	24	167	537	a/	124	b/	-	255
636	Emma Matela	30	Apr. 3, 1939	671	72	18	176	537	a/	140	b/	-	256
637	Frank Miller	32	Jan 26, 1939	523	-	-	120	446	a/	88	b/	-	237
638	D. M. Packard	40	Mar. 31, 1939	483	108	22	56	500	a/	50	b/	-	359
639	A. F. Schulck	50	Jan. 26, 1939	461	-	-	61	488	a/	32	b/	-	315
640	S. Marlin	35	Apr. 3, 1939	480	73	27	85	488	a/	52	b/	-	292
641	T. A. Thompson	22	Apr. 4, 1939	558	109	28	74	476	a/	110	b/	-	387
642	E. A. Powers	100	Apr 5, 1939	1,433	132	64	336	506	22	630	b/	-	595
644	H. E. Stockwell	30	do.	435	70	23	75	458	a/	38	b/	-	269
645	H. H. Ganter	137	do.	512	57	27	114	488	11	63	b/	-	252
646	John Baty	40	Jan. 26, 1939	570	-	-	85	508	a/	89	b/	-	360
647	W. K. Fraser	135	Apr. 4, 1939	684	26	16	235	573	13	112	b/	-	130
648	D. W. Burns	135	Apr. 3, 1939	407	116	9	34	415	a/	37	b/	-	325
650	R. E. Hawkins	30	Apr. 6, 1939	546	106	32	67	488	a/	96	b/	-	395
651	Tony Murello	125	Apr. 5, 1939	379	107	19	16	403	10	29	b/	-	347
652	D. W. Burns	135	Jan. 26, 1939	537	-	-	74	570	a/	36	b/	-	360
653	do.	60	do.	419	-	-	45	438	a/	30	b/	-	308
654	A. D. Albergo	150	Apr. 6, 1939	626	41	25	183	573	a/	94	b/	-	206
655	C. H. Gardenhire	112	Apr. 8, 1939	522	55	29	116	482	10	74	b/	-	258
656	Mrs. F. E. Hahn	65	Apr. 6, 1939	472	-	-	-	464	12	48	b/	-	-
657	A. L. Moller	102	Dec. 20, 1938	768	-	-	246	632	a/	148	b/	-	195
660	Roy Lambden	70	May 9, 1939	486	-	-	107	443	12	57	b/	.8	232
661	J. H. Meek	20	do.	685	-	-	102	520	10	123	29	-	412
662	Mrs. -- Bady	30	do.	733	-	-	63	482	10	197	b/	-	548
664	N. W. Pierson	30	do.	510	-	-	39	437	a/	82	b/	-	398
1/665	City of Galveston Well 10-S	305	Sept. 4, 1916	672	-	-	-	-	-	209	-	-	45
1/666	City of Galveston Well 12-S	801+	do.	644	-	-	-	-	-	234	-	-	39
1/667	City of Galveston Well 20-S	787+	do.	1,012	-	-	-	-	-	443	-	-	75

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
<u>1</u> /668	City of Galveston Well 22-S	742	Sept 4, 1916	1,008	-	-	-	-	-	426	-	-	96
<u>1</u> /669	City of Galveston Well 26-S	745	do.	684	-	-	-	-	-	215	-	-	50
<u>1</u> /670	City of Galveston Well 1-N	797	do.	852	-	-	-	-	-	241	-	-	50
<u>1</u> /671	City of Galveston Well 3-N	790+	do.	716	-	-	-	-	-	255	-	-	37
<u>1</u> /672	City of Galveston Well 5-N	790+	do.	736	-	-	-	-	-	242	-	-	52
<u>1</u> /673	City of Galveston Well 7-N	790+	do.	698	-	-	-	-	-	255	-	-	42
<u>1</u> /674	City of Galveston Well 9-N	790+	do.	674	-	-	-	-	-	234	-	-	35
<u>1</u> /675	City of Galveston Well 11-N	790+	do.	740	-	-	-	-	-	273	-	-	35
<u>2</u> /676	City of Galveston Well 13-N	860+	Dec. 18, 1899	1,974	-	-	-	-	-	1,014	-	-	101
<u>1</u> /676	City of Galveston Well 13-N	860+	Sept. 4, 1916	2,656	-	-	-	-	-	992	-	-	80
<u>1</u> /677	City of Galveston Well 15-N	790+	do.	763	-	-	-	-	-	269	-	-	41
<u>1</u> /678	City of Galveston Well 17-N	790+	do.	689	-	-	-	-	-	255	-	-	35
<u>1</u> /679	City of Galveston Well 19-N	790+	do.	678	-	-	-	-	-	255	-	-	35
<u>1</u> /680	City of Galveston Well 21-N	740+	do.	680	-	-	-	-	-	255	-	-	35

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

1/ Analysis made by Felix Paquin, Galveston.

2/ Analysis made by Frazier and Co., New York.

Partial analyses of water from wells and springs in Galveston County--Continued
Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
1/681	City of Galveston Well 23-N	790+	Sept. 4, 1916	693	-	-	-	-	-	259	-	-	43
1/687	City of Galveston Well 8	884	Nov. 5, 1935	807	17	9	125	-	a/	263	b/	-	-
1/687	do.		Sept. 6, 1938	-	35	8	374	267	a/	481	b/	-	123
687	do.		Jan. 20, 1938	-	-	-	-	324	a/	510	b/	-	120
687	do.		Feb. 7, 1940	1,214	37	13	416	332	a/	550	b/	.6	146
687	do.		Aug. 6, 1941	1,326	41	15	458	336	a/	625	b/	.5	164
688	City of Galveston Test Well 1	282 _{c/} d/ 360	Dec. 12, 1940	939	20	14	330	531	24	258	b/	-	107
688	do.	864 _{c/} d/ 874	Mar. 14, 1941	1,508	23	10	549	358	a/	705	-	-	97
639	City of Galveston Test Well 2	784 _{c/} d/ 801	Jan. 4, 1941	758	22	8	264	304	a/	288	b/	-	86
689	do.	868 _{c/} f/ 895	Jan. 17, 1941	1,655	29	13	592	296	26	790	-	-	126
639	do.	853 _{c/} g/ 873	Jan. 26, 1941	1,988	37	16	712	319	a/	1,010	-	-	158
689	do.	853 _{c/} e/ 873	do.	2,017	39	16	728	322	a/	1,030	-	.9	163
689	do.	1,177 _{c/} f/ 1,206	Jan. 22, 1941	2,770	45	21	999	294	26	1,480	-	-	199

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Sample obtained between depths shown.

d/ Drill stem sample.

e/ Sample obtained after 10½ hours continuous pumping.

f/ Sample from last 8 drill stem joints.

g/ Sample obtained after 5½ hours continuous pumping.

h/ Sample from last drill stem.

i/ Sample obtained after 16½ hours continuous pumping.

l/ Analysis made by Felix Paquin, Galveston

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
689	City of Galveston Test Well 2	1,177 ^c / h/1,206 ^c	Jan. 22, 1941	3,467	-	-	1,340	488	36	1,860	-	-	182
690	City of Galveston Test Well 3	1,001 ^c / h/1,023 ^c	Feb. 11, 1941	2,628	33	17	969	356	20	1,380	-	-	152
690	do.	1,130 ^c / h/1,150 ^c	do	-	-	-	-	268	-	3,820	-	-	-
690	do.	1,130 ^c / f/1,150 ^c	do.	6,544	109	55	2,322	306	20	3,740	-	-	498
691	City of Galveston Test Well 3-A	930 ^c / i/ 940 ^c	Feb. 28, 1941	600	13	4	212	298	a/	175	-	-	48
692	Carbide & Carbon Chemical Co. Test Well 1	1,031	Mar. 16, 1941	2,639	48	20	969	294	a/	1,440	-	-	202
693	Carbide & Carbon Chemical Co. Test Well 2	1,010	Mar. --, 1941	3,192	48	22	1,165	361	a/	1,735	-	-	210
694	Carbide & Carbon Chemical Co. Test Well 3	1,016	Aug. 11, 1941	2,340	48	19	842	346	a/	1,235	b/	.7	198
695	Carbide & Carbon Chemical Co. Test Well 4	690	do.	706	5	2	278	456	a/	175	b/	.8	22
696	Carbide & Carbon Chemical Co. Test Well 2	1,028	Aug. 12, 1941	1,869	31	13	691	344	a/	955	b/	.6	131

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Sample obtained between depths shown.

d/ Drill stem sample.

e/ Sample obtained after 10¹/₂ hours continuous pumping.

f/ Sample from last 8 drill stem joints.

g/ Sample obtained after 5¹/₂ hours continuous pumping.

h/ Sample from last drill stem.

i/ Sample obtained after 16¹/₂ hours continuous pumping.

Partial analyses of water from wells and springs in Galveston County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
698	Republic Oil Refining Co. Well 2	1,009	Aug. 6, 1941	1,595	23	11	585	352	a/	765	b/	.7	102
701	J. H. Ross	600	July 25, 1941	-	37	21	87	320	a/	74	b/	-	179
703	League City	701	July 24, 1941	633	9	3	242	344	a/	195	b/	.9	36
705	J. M. Robinson	545	Mar. 28, 1940	524	-	-	210	375	a/	131	b/	-	36
712	Stanolind Oil and Gas Co.	758	July 24, 1941	663	12	5	245	352	a/	205	b/	.9	49
720	Santa Fe R.R.	400	June 13, 1941	1,623	7	49	645	433	a/	755	b/	-	20
721	War Department	600	do.	2,485	32	10	950	641	a/	1,175	b/	.6	121
724	E. W. Boyt	12	do.	4,045	331	171	948	323	296	2,140	b/	.1	1,530
726	Geo. Smith	32	June 17, 1941	1,336	312	30	62	134	795	71	b/	0	904
728	do.	61	do.	154	14	5	37	79	27	32	b/	-	58
730	--	Spring	do.	430	-	-	-	55	a/	240	b/	-	-
731	--	Spring	do.	487	51	25	97	79	13	248	b/	.3	230
733	T.C.Kade Est.	260	do.	11,369	264	154	3,957	287	a/	6,850	b/	-	1,295
735	Pierce Est.	260	do.	9,847	212	127	3,458	336	a/	5,880	b/	.6	1,053
736	T. C.Kade Est.	8	do.	1,231	80	47	338	525	50	458	b/	-	394
737	Roy Kenedy	258	May 29, 1941	9,479	204	131	3,330	329	a/	5,650	b/	-	1,001
738	Mrs. Frank Keith	264	do.	9,743	226	124	3,408	372	a/	5,800	-	-	1,077
739	C. W. Landaile	500	June 17, 1941	8,043	137	87	2,884	67	a/	4,900	b/	.1	698
740	-	9	do.	1,487	98	47	404	238	100	720	b/	.9	439
741	Ed. Linn	12	June 18, 1941	372	56	19	63	268	27	75	b/	-	217
742	Sun Oil Co.	321	do.	3,802	90	47	1,347	622	a/	2,010	b/	-	419
746	Joe Ackins Est.	233	do.	2,838	58	46	999	531	a/	1,460	b/	-	333
747	W. D. Blalock	8	do.	2,220	230	73	507	268	123	1,155	b/	.1	875

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County, Texas

These wells are not shown on map. Distances given refer to a mapped well. For example Well 10a is 0.1 mile north of Well 10.

Well	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
10a	G. L. Darrow, 0.1 mile north of Well 10	110	Feb. 15, 1939	648	-	-	180	398	a/	180	b/	-	214
11a	Fox Rig & Lumber Co., 0.05 mile southeast of Well 11	40	Feb. 20, 1939	1,804	-	-	451	392	136	750	b/	-	608
11b	Wade McGinnis, 0.1 mile southeast of Well 11	130	do.	781	-	-	167	388	28	260	b/	.4	352
11c	Geo. S. Durant, 0.2 mile east of Well 11	117	Feb. 16, 1939	671	-	-	159	324	14	203	b/	.6	276
13a	F. W. Knaak, 0.1 mile northeast of Well 13	135	do.	695	-	-	161	339	15	219	b/	-	292
13b	O. M. Hopkins, 0.05 mile south of Well 13	23	Feb. 17, 1939	1,730	-	-	438	350	441	505	-	-	518
16a	E. L. Hole, 0.15 mile west of Well 16	90	Feb. 20, 1939	1,057	-	-	248	382	24	440	b/	.5	420
16b	W. R. Glines, 0.05 mile northwest of Well 16	120	do.	835	-	-	173	394	16	302	b/	-	390
16c	Cecil Brown, 0.01 mile east of Well 16	158	Feb. 15, 1939	314	-	-	85	43	a/	172	b/	-	96
16d	N. J. Clarke, 0.1 mile west of Well 16	100	Feb. 20, 1939	1,151	-	-	236	338	69	468	-	-	518
17a	Mabel F. Hoover, 0.05 mile northwest of Well 17	90	Feb. 21, 1939	734	-	-	188	285	a/	305	b/	-	261
17b	M.M. Snow, 0.1 mile west of Well 17	135	do.	931	-	-	179	374	30	360	b/	-	458
18a	Wm. M. Stout, 0.15 mile northeast of Well 18	40	Feb. 17, 1939	541	-	-	150	175	73	154	26	-	141

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
19a	S. S. Perry, 0.1 mile southeast of Well 19	150	Feb. 22, 1939	970	-	-	174	370	32	385	b/	-	502
19b	Floyd Brown, 0.15 mile southwest of Well 19	135	Feb. 21, 1939	1,061	-	-	126	329	36	460	b/	-	682
20a	H. L. Green, 0.15 mile south of Well 20	123	Feb. 22, 1939	757	-	-	161	155	a/	390	b/	-	330
20b	J. J. Wickersham, 0.2 mile east of Well 20	87	Feb. 20, 1939	926	-	-	208	355	24	365	b/	.5	390
20c	E. S. Bales, 0.2 mile southeast of Well 20	40	do.	606	-	-	77	532	a/	81	b/	1.0	405
21a	Geo. Lyons, 0.15 mile northwest of Well 21	27	Mar. 14, 1939	613	-	-	46	529	10	94	b/	-	480
21b	J. E. Fuller, 0.05 mile northwest of Well 21	32	do.	222	-	-	203	462	20	280	258	-	562
21c	W. A. Roush, 0.05 mile southeast of Well 21	100	Mar. 13, 1939	506	-	-	49	507	a/	51	-	-	382
21d	Cliff Perkins, 0.1 mile south of Well 21	30	do.	563	-	-	95	490	a/	92	b/	-	330
21e	Miss Fannie Anderson, 0.2 mile northwest of Well 21	210	Mar. 14, 1939	770	-	-	252	538	a/	200	-	-	177
21f	W. R. Hatfield, 0.15 mile southwest of Well 21	136	Mar. 13, 1939	624	-	-	117	426	a/	162	-	-	330
21g	Country Park, 0.3 mile northwest of Well 21	170	Mar. 8, 1939	726	-	-	241	512	a/	186	-	-	159

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
23a	Mrs. -- Winkler, 0.1 mile west of Well 23	144	Mar. 10, 1939	740	-	-	205	530	a/	184	-	-	252
23b	Mr. -- Nickolina, 0.15 mile east of Well 23	100	Mar. 14, 1939	545	-	-	75	426	a/	112	-	-	352
23c	M. B. Buttler, 0.25 mile east of Well 23	172	do.	651	-	-	169	516	a/	132	-	-	248
23d	J. J. Doyle, 0.1 mile south of Well 23	37	do.	766	-	-	149	524	25	184	-	-	390
23e	Al Arolfo, 0.05 mile southeast of Well 23	100	do.	611	-	-	105	430	a/	152	-	-	345
24a	J. Urbauer, 0.05 mile south of Well 24	144	do.	687	-	-	168	456	a/	185	-	-	278
24b	L. P. Dabb, 0.05 mile west of Well 24	75	Mar. 15, 1939	575	-	-	116	403	17	132	-	-	285
24c	Cross & Co., 0.05 mile southwest of Well 24	20	Mar. 17, 1939	466	-	-	87	392	20	66	b/	-	248
24d	L. P. Dabb, 0.05 mile northwest of Well 24	200	Mar. 14, 1939	758	-	-	256	532	a/	178	-	-	159
24e	D. Fillippa, 0.2 mile west of Well 24	100	do.	621	-	-	137	418	a/	166	-	-	285
24f	F. C. Parker, 0.15 mile northwest of Well 24	80	do.	574	-	-	103	410	12	135	-	-	315
24g	A. L. Lotz, 0.15 mile northwest of Well 24	200	do.	765	-	-	258	574	a/	178	-	-	162
24h	Al Arolfo, 0.15 mile southwest of Well 24	100	do.	643	-	-	136	452	10	158	-	-	308
25a	Mrs. L. Dugat, 0.1 mile southwest of Well 28	28	do.	1,552	-	-	120	292	30	298	564	-	885

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
28b	C. W. Alberson, 0.1 mile south of Well 28	148	Mar. 14, 1939	667	-	-	172	485	a/	160	-	-	255
28c	Mrs. -- Perkins, 0.1 mile west of Well 28	200	do.	808	-	-	266	546	a/	218	-	-	180
32a	F. Schott, 0.05 mile north of Well 32	70	Mar. 22, 1939	959	-	-	171	444	a/	365	b/	-	510
37a	J. M. Meadows, 0.05 mile northwest of Well 37	96	do.	661	-	-	102	444	a/	180	-	-	398
39a	--, 0.2 mile northwest of Well 39	40	do.	547	-	-	101	424	a/	115	b/	-	297
39b	S. J. Gordy, 0.35 mile northwest of Well 39	22	do.	755	-	-	181	540	18	174	b/	-	315
41a	E. A. Hanson, 0.1 mile west of Well 41	70	Mar. 21, 1939	573	-	-	125	450	a/	120	b/	-	270
46a	Frank Miller, 0.05 mile southeast of Well 46	30	Mar. 22, 1939	1,324	-	-	314	476	27	555	b/	-	518
48a	Jack Neal, 0.1 mile southwest of Well 48	55	Mar. 21, 1939	1,014	-	-	182	435	a/	400	b/	-	532
49a	--, 0.05 mile north of Well 49	97	Mar. 17, 1939	249	-	-	100	154	a/	67	-	-	16
49b	--Roth, 0.2 mile northwest of Well 49	56	Mar. 21, 1939	985	-	-	229	446	15	370	b/	-	405
49c	A. M. Chambers, 0.2 mile north of Well 49	22	do.	3,962	282	139	1,091	642	179	1,985	-	-	1,140
50a	Dr. H. H. Plaster, 0.1 mile north of Well 50	65	Mar. 17, 1939	1,101	-	-	252	472	25	420	b/	-	458
52a	C. Stafford, 0.2 mile east of Well 52	22	do.	1,035	-	-	353	542	57	280	b/	-	183
57a	Geo. F. Sager, 0.15 mile northeast of Well 57	126	do.	1,247	-	-	379	311	20	600	-	-	297

a/ Sulphate less than 10 parts per million.
Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
61a	S. L. Garst, 0.2 mile northwest of Well 61	32	Apr. 21, 1939	453	100	18	58	439	a/	62	b/	-	326
61b	W. Barnes, 0.1 mile northwest of Well 61	156	Apr. 20, 1939	1,007	44	16	341	610	40	266	b/	-	175
62a	T. E. Shipman, 0.05 mile north of Well 62	26	Apr. 21, 1939	464	117	21	36	439	20	54	b/	-	373
63a	A. V. Rice, 0.1 mile southeast of Well 63	130	Apr. 20, 1939	981	44	20	326	623	32	250	b/	-	192
63b	L. L. Settle, 0.05 mile southwest of Well 63	130	do.	972	42	20	327	653	16	246	b/	-	137
66a	Capt. John Roland, 0.1 mile west of Well 66	209	Apr. 21, 1939	951	-	-	-	720	a/	230	b/	-	-
66b	Mrs. B. H. Sutton, 0.2 mile west of Well 66	22	do.	1,241	101	27	342	232	32	625	b/	-	362
67a	M. A. Hodges, 0.05 mile east of Well 67	200	do.	983	27	11	364	702	a/	232	b/	-	112
72a	Alma Fuqua, 0.05 mile west of Well 72	135	Apr. 20, 1939	1,014	46	20	337	653	40	250	b/	-	197
73a	J. Paladino, 0.1 mile northeast of Well 73	31	Apr. 21, 1939	975	173	29	156	506	44	232	42	-	553
74a	-- Perkins, 0.1 mile southeast of Well 74	167	Apr. 19, 1939	352	-	-	-	586	20	220	b/	-	-
76a	L. C. Calhoun, 0.1 mile northwest of Well 76	135	do.	731	100	43	127	451	a/	230	b/	-	427
76b	A. W. Slutar, 0.2 mile southwest of Well 76	155	Apr. 21, 1939	365	55	23	264	598	13	216	b/	-	234

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
76c	W. B. Drake, 0.05 mile southeast of Well 76	150	Apr. 19, 1939	764	-	-	-	561	15	181	b/	-	-
78a	Friends Church, 0.1 mile northeast of Well 78	150	do.	834	-	-	-	586	20	208	b/	-	-
80a	A. R. Evans, 0.05 mile southwest of Well 80	45	Apr. 21, 1939	433	101	14	53	421	a/	50	b/	-	308
84a	Algoa Public School, 0.01 mile southwest of Well 84	140	Apr. 26, 1939	620	46	22	177	525	16	101	b/	1.1	204
92a	Geo. Taylor, 0.05 mile west of Well 92	21	Mar. 3, 1939	592	-	-	59	423	a/	143	b/	-	428
98a	Earnest Schum, 0.3 mile southwest of Well 98	45	Mar. 10, 1939	875	-	-	224	508	23	262	b/	-	322
106a	Chas. Czolbe, 0.1 mile north of Well 106	125	Mar. 27, 1939	774	28	10	279	634	a/	138	b/	-	111
110a	G. Kline, 0.5 mile south of Well 110	22	Apr. 6, 1939	443	122	17	22	372	20	55	24	-	376
113a	F. J. Palermo, 0.25 mile west of Well 113	30	Apr. 5, 1939	671	164	33	43	445	12	166	34	-	545
113b	Joe Piazza, 0.25 mile southwest of Well 113	74	do.	451	4	2	186	366	a/	80	b/	-	10
119a	Santa Fe High School, 0.25 mile southwest of Well 119	119	Apr. 6, 1939	643	38	20	201	586	a/	95	b/	-	178
119b	Joe Salvato, Jr., 0.15 mile west of Well 119	-	do.	551	-	-	-	476	65	44	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County---Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
119c	J. W. Sherman, 0.5 mile west of Well 119	50	Apr. 6, 1939	503	87	21	87	464	a/	77	b/	-	303
137a	-- Banero, 0.15 mile east of Well 137	100	Apr. 5, 1939	761	99	36	147	415	30	245	b/	-	398
137b	Christina Schiller, 0.25 mile southwest of Well 137	30	Mar. 21, 1939	951	-	-	192	436	27	342	b/	-	458
137c	Chas. Cornell, 0.35 mile southwest of Well 137	20	do.	1,421	-	-	310	542	18	590	b/	-	622
139a	Lula Branch, 0.1 mile northwest of Well 139	40	Mar. 20, 1939	1,591	-	-	358	454	95	675	-	-	645
139b	J. C. Trusaint, 0.1 mile southwest of Well 139	20	Mar. 21, 1939	1,612	-	-	400	550	64	665	-	-	585
139c	T. S. Boazman, 0.15 mile northwest of Well 139	30?	Mar. 20, 1939	1,308	-	-	288	340	92	545	-	-	540
139d	Mable Howard, 0.2 mile southeast of Well 139	16	Mar. 21, 1939	938	-	-	205	478	50	285	b/	-	412
139e	Chas. Ransom, 0.2 mile south of Well 139	25	do.	1,258	-	-	267	534	15	495	-	-	570
139f	Lou Hammock, 0.25 mile south of Well 139	14	do.	763	-	-	187	544	18	175	b/	-	308
140a	Sleddie Timmons, 0.15 mile south of Well 140	14	Mar. 20, 1939	3,866	-	-	773	433	1,012	1,305	-	-	1,568
141a	Sarah Hall, 0.3 mile northwest of Well 141	20	do.	681	-	-	126	217	119	208	b/	-	322
141b	Lizzie Ross, 0.15 mile northeast of Well 141	16	do.	2,095	-	-	393	380	373	785	-	-	952

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
141c	Eliza Jackson, 0.5 mile northeast of Well 141	18	Mar. 20, 1939	877	-	-	215	585	52	198	b/	-	345
141d	Adam Anderson, 0.3 mile southeast of Well 141	20	Mar. 21, 1939	590	-	-	79	371	27	152	b/	-	375
141e	Lennie Sanders, 0.25 mile southeast of Well 141	17	do.	995	-	-	212	488	236	160	b/	-	412
141f	L. B. Warren, 0.1 mile south of Well 141	14	do.	872	-	-	177	432	110	220	b/	-	398
141g	Wm. V. Hannon, 0.15 mile southwest of Well 141	16	do.	715	-	-	-	504	42	147	b/	-	-
147a	M. B. Butler, 0.35 mile northwest of Well 147	80	Mar. 13, 1939	1,805	-	-	394	460	78	820	-	-	758
182a	Humble Oil & Refining Co., 0.15 mile southwest of Well 182	80	May 15, 1939	808	-	-	155	480	23	235	-	-	412
184a	Theo Hillman, 0.2 mile south of Well 184	22	do.	2,571	-	-	647	422	134	1,270	-	-	870
184b	---, 0.15 mile east of Well 184	21	May 16, 1939	909	-	-	239	306	10	385	-	-	308
202a	Frank Bell, 0.05 mile north of Well 202	75	Apr. 12, 1939	443	-	-	-	439	a/	45	b/	-	-
202b	W. G. Estelle, 0.25 mile north of Well 202	25	Apr. 10, 1939	519	91	28	78	494	12	67	b/	-	342

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.) ³
202c	H. LeBlanc, 0.2 mile southeast of Well 202	37	Apr. 11, 1939	748	85	28	174	464	a/	224	b/	-	327
204a	W. N. Ayres, 0.1 mile north of Well 204	100	Apr. 10, 1939	1,092	97	51	263	512	a/	425	b/	-	452
204b	W. F. Dixon, 0.05 mile north of Well 204	85	Apr. 11, 1939	1,486	26	8	555	348	a/	720	b/	-	100
206a	Frank Kohfeldt, 0.05 mile north of Well 206	18	Apr. 12, 1939	1,171	78	34	339	519	20	445	b/	-	336
208a	Moses Totley, 0.05 mile southwest of Well 208	22	Apr. 10, 1939	457	110	18	43	415	32	50	b/	-	351
208b	Herman Williams, 0.2 mile northwest of Well 208	20	do.	737	94	66	103	537	20	190	b/	-	506
211a	Y. E. Power, 0.05 mile west of Well 211	74	Apr. 11, 1939	1,507	126	67	368	525	a/	675	b/	-	591
212a	P. B. Franks, 0.01 mile north of Well 212	28	May 3, 1939	4,017	-	-	898	540	228	2,030	-	-	1,590
214a	A. L. Smithson, 0.1 mile east of Well 214	20	May 8, 1939	504	-	-	95	475	a/	61	b/	.4	278
216a	Lawrence Phillips, 0.05 mile east of Well 216	40	Dec. 15, 1938	514	-	-	115	444	a/	83	b/	-	240
216b	G. W. Boone, 0.1 mile northeast of Well 216	40	May 8, 1939	416	-	-	50	396	a/	49	b/	.3	292
217a	J. T. Moore, 0.15 mile west of Well 217	23	Apr. 11, 1939	822	50	23	255	671	24	140	b/	-	219

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued
Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved (cal.c.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na + K) (cal.c.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (cal.c.)
217b	C. J. De Armond, 0.05 mile north of Well 217	37	Apr. 10, 1939	1,540	109	84	374	573	41	650	b/	-	617
218a	J. H. Theiler, 0.1 mile east of Well 218	13	do.	350	106	7	23	354	a/	36	b/	-	295
220a	Joe Bowman, 0.15 mile south of Well 220	36	do.	517	106	17	75	427	15	94	b/	-	336
220b	Luther Beans, 0.15 mile southeast of Well 220	90	Apr. 12, 1939	1,014	130	67	166	397	a/	450	b/	-	601
240a	C. Sandino, 0.1 mile south of Well 240	25	May 8, 1939	1,048	-	-	169	556	15	352	-	-	600
240b	Scott Marshall, 0.25 mile southeast of Well 240	70	do.	1,216	-	-	276	450	a/	525	b/	-	510
242a	I. N. Hood, 0.05 mile south of Well 242	36	May 6, 1939	527	-	-	64	418	a/	102	b/	-	352
242b	Mrs. E. Yawn, 0.2 mile east of Well 242	105	May 8, 1939	1,071	-	-	294	564	a/	375	-	-	352
242c	Mrs. W. D. Voorhees, 0.2 mile northeast of Well 242	120	do.	790	-	-	154	460	54	207	-	-	390
248a	Mrs. E. F. Quinlin, 0.15 mile north of Well 248	100+	May 3, 1939	1,034	-	-	270	581	a/	342	-	.8	375
248b	E. W. Brooks, 0.15 mile north of Well 248	26	do.	927	-	-	255	624	37	222	-	-	308

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
254a	T. S. George, 0.55 mile east of Well 254	108	Apr. 18, 1939	787	84	34	182	512	a/	228	b/	-	351
254b	J. W. Huber, 0.2 mile northwest of Well 254	102	Apr. 15, 1939	1,452	206	83	233	421	a/	720	b/	-	856
254c	A. F. Inman, 0.1 mile east of Well 254	36	Apr. 12, 1939	458	74	18	82	427	40	34	b/	-	261
256a	L. W. Smith, 0.2 mile southwest of Well 256	49	Apr. 17, 1939	566	-	-	-	464	10	110	b/	-	-
256b	W. P. Lucas, 0.1 mile southwest of Well 256	60	do.	554	84	18	112	445	10	110	b/	-	286
256c	J. A. Raggio, 0.1 mile east of Well 256	21	do.	981	124	41	206	543	a/	342	b/	-	481
257a	La Marque School, 0.15 mile east of Well 257	110	Apr. 12, 1939	931	108	43	193	464	a/	345	b/	-	446
257b	Geo. K. Westerlage, 0.1 mile north of Well 257	35	do.	1,396	342	39	71	427	71	348	315	-	1,014
258a	Dr. H. J. Broderon, 0.05 mile southeast of Well 258	-	Apr. 13, 1939	635	8	3	253	470	a/	139	b/	-	32
260a	R. M. Johnson, 0.2 mile northwest of Well 260	108	Apr. 18, 1939	1,105	86	42	295	525	a/	421	b/	-	386
260b	Mrs. Josephine Ryan, 0.2 mile south of Well 260	95	Apr. 15, 1939	427	89	12	66	403	a/	59	b/	-	273

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
260c	C. H. Feddersen, 0.2 mile north-west of Well 260	111	Apr. 17, 1939	1,137	87	44	305	573	a/	413	b/	-	397
260d	J. A. Bordeaux, 0.1 mile north of Well 260	127	Apr. 15, 1939	809	72	24	220	525	a/	229	b/	-	280
260e	D. A. Campbell, 0.2 mile southeast of Well 260	100	do.	1,044	154	55	173	421	a/	450	b/	-	609
261a	W. H. Brookman, 0.15 mile northeast of Well 261	112	Jan. 13, 1939	629	-	-	174	544	10	99	b/	-	219
261b	J. C. Rush, 0.1 mile south of Well 261	27	do.	509	-	-	47	450	28	49	b/	-	375
261c	Joe Tombralle, 0.2 mile east of Well 261	35	Apr. 26, 1939	620	-	-	39	416	13	145	b/	.2	438
261d	Ed. Tombralle, 0.2 mile east of Well 261	100	do.	652	-	-	200	566	a/	110	-	.3	188
261e	do.	35	do.	509	-	-	92	440	a/	82	b/	-	285
279a	Henry David, 0.5 mile east of Well 279	43	Jan. 18, 1939	513	-	-	111	454	a/	81	b/	-	248
279b	Mrs. Agnes Davis, 0.5 mile east of Well 279	150	do.	474	-	-	105	412	a/	79	b/	-	225
279c	J. R. Hughes, 0.75 mile east of Well 279	-	May 2, 1939	525	-	-	38	410	11	105	-	-	412
280a	M. F. Gately, 0.35 mile north of Well 280	52	Jan. 13, 1939	369	-	-	43	386	a/	29	b/	-	264
282a	T. F. Pate, 0.1 mile north of Well 282	54	Dec. 21, 1938	1,495	-	-	139	430	39	335	390	-	373

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
282b	T. F. Pate, 0.1 mile north of Well 282	63	Dec. 21, 1938	618	-	-	61	436	18	120	27	-	435
282c	-- Greshan, 0.2 mile northeast of Well 282	104	do.	539	-	-	157	456	a/	84	b/	-	174
291a	B. Wittjen, 0.1 mile north of Well 291	60	Apr. 26, 1939	1,561	-	-	482	770	57	525	-	-	382
292a	Jack Click, 0.15 mile west of Well 292	86	do.	1,981	-	-	563	706	297	610	-	.4	525
293a	A. Curtino, 0.1 mile north of Well 293	50	do.	969	-	-	82	378	74	230	130	.1	638
293k	-- Delaney, 0.4 mile north of Well 293	-	do.	2,450	-	-	587	483	430	860	-	-	832
294a	A. S. Burns, 0.2 mile southeast of Well 294	135	Feb. 2, 1939	1,480	-	-	444	608	99	490	-	-	378
300a	J. A. Owens, 0.5 mile east of Well 300	20	Apr. 11, 1939	947	178	41	128	458	25	350	b/	-	616
313a	H. A. Solic, 0.05 mile northwest of Well 313	100	Dec. 20, 1938	452	-	-	56	438	a/	43	b/	-	315
313b	J. A. McMullen, 0.05 mile west of Well 313	110	do.	566	-	-	74	454	a/	83	34	-	360
315a	Antone Hena, 0.5 mile northwest of Well 315	35	do.	508	-	-	87	496	a/	55	b/	-	300
332a	Mike David, 1.0 mile southwest of Well 332	36	Jan. 18, 1939	411	-	-	60	408	a/	41	b/	-	267
332b	B. L. Powell, 0.45 mile southwest of Well 332	120	do.	586	-	-	134	540	12	73	b/	-	267
325a	LeRoy Tacquard, 0.1 mile west of Well 325	33	Feb. 2, 1939	447	-	-	37	440	a/	43	b/	-	348
325b	-- Tacquard, 0.25 mile west of Well 325	25	do.	1,219	-	-	372	694	12	390	-	-	322

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
328a	Will Brown, 0.1 mile southeast of Well 328	22	Mar. 8, 1939	729	-	-	144	500	26	172	b/	-	368
328b	A. J. Hill, 0.05 mile north of Well 328	205	do.	-	-	-	-	-	360	405	-	-	-
334a	Mike David, 0.45 mile northwest of Well 334	36	Jan 18, 1939	455	-	-	58	464	a/	41	b/	-	315
334b	Pearl McDole, 1.0 mile west of Well 334	22	do.	562	-	-	114	462	18	77	b/	-	285
365a	Louis Margo, Jr., 0.2 mile northeast of Well 365	86	Apr. 17, 1939	1,000	80	30	279	580	13	313	b/	-	324
367a	La Marque School, 0.3 mile west of Well 367	125	Apr. 12, 1939	788	55	27	227	525	a/	220	b/	-	247
367b	H. E. Phillips, 0.2 mile southwest of Well 367	130	Apr. 14, 1939	733	40	20	234	567	a/	159	b/	-	182
367c	M. H. Magito, 0.2 mile southeast of Well 367	18	Apr. 13, 1939	746	164	20	94	403	40	230	b/	-	492
369a	J. W. Benedict, 0.2 mile east of Well 369	62	Apr. 18, 1939	585	98	24	100	464	20	115	b/	-	345
371a	Louis Margo, Jr., 0.35 mile north of Well 371	42	Apr. 17, 1939	720	-	-	-	488	12	194	b/	-	-
372a	A. E. Erikson, 0.2 mile northwest of Well 372	33	Apr. 18, 1939	1,069	108	46	247	488	18	410	b/	-	459

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
372b	A. Johnson, 0.3 mile north of Well 372	95	Apr. 13, 1939	947	-	-	-	628	a/	272	b/	-	-
373a	A. E. Holtz, 0.2 mile southeast of Well 373	33	do.	583	68	15	147	451	14	117	b/	-	229
373b	J. O'Meara, 0.3 mile north of Well 373	31	do.	432	76	17	75	421	a/	54	b/	-	261
374a	Louis A. Ostermeyer, 0.05 mile northeast of Well 374	32	Apr. 14, 1939	430	78	10	81	378	11	64	b/	-	236
375a	Daisy M. Klaus, 0.05 mile north of Well 375	32	do.	872	125	32	168	537	77	206	b/	-	445
383a	W. F. Meyer, 0.15 mile northwest of Well 383	60	do.	4,307	504	153	398	445	263	2,270	b/	-	1,389
384a	A. L. Moller, 0.05 mile east of Well 384	100	Dec. 21, 1938	1,468	-	-	443	706	35	480	-	-	390
450a	J. H. Allen, 0.05 mile southeast of Well 450	36	Feb. 22, 1939	843	-	-	279	564	20	180	b/	-	183
451a	P. N. Pearson, 0.2 mile west of Well 451	38	do.	799	-	-	215	610	18	172	b/	-	141
452a	Frank Boyer, 0.25 mile northeast of Well 452	100	do.	870	-	-	179	373	10	335	b/	-	405
452b	E. V. Stevenson, 0.2 mile west of Well 452	30	do.	1,250	-	-	360	656	73	375	b/	-	360

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County---Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
452c	J. M. Clayton, 0.25 mile northeast of Well 452	140	Feb. 20, 1939	350	-	-	182	386	16	315	b/	-	382
452d	W. C. Osburn, 0.15 mile northwest of Well 452	27	Feb. 21, 1939	631	-	-	147	397	42	150	b/	-	262
454a	Wm. Allen, 0.2 mile west of Well 454	30	Feb. 22, 1939	1,115	-	-	347	542	81	325	b/	-	262
459a	M. C. McLaughlan, 0.15 mile north of Well 459	18	Feb. 27, 1939	647	-	-	160	601	a/	84	b/	-	270
470a	D. J. Vaglianti, 0.1 mile south of Well 470	23	Mar. 15, 1939	381	-	-	255	564	a/	248	b/	-	270
475a	George Washington, 0.1 mile south of Well 475	35	Mar. 13, 1939	1,183	-	-	152	494	61	245	210	-	652
475b	T. A. Kilgore, 0.2 mile south of Well 475	80	do.	468	-	-	47	506	a/	28	b/	-	352
476a	L. W. Steuart?, 0.1 mile northwest of Well 476	113	Mar. 14, 1939	783	-	-	228	458	15	238	-	-	231
482a	L. F. Johnson, 0.15 mile northwest of Well 482	59	Mar. 13, 1939	473	-	-	50	518	a/	25	b/	-	352
482b	E. A. Rakestraw, 0.1 mile northwest of Well 482	80	do.	511	-	-	56	546	a/	34	-	-	375
482c	W. S. Rakestraw, 0.05 mile northwest of Well 482	20	do.	1,412	-	-	174	362	132	190	444	-	682

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
482d	J. H. Ross, 0.15 mile west of Well 482	75	Mar. 13, 1939	467	-	-	34	472	a/	24	-	-	382
482e	J. E. Hayes, 0.15 mile northwest of Well 482	80	do.	553	-	-	67	518	a/	66	b/	-	382
482f	T. P. Dow, 0.2 mile west of Well 482	150	do.	796	-	-	257	518	a/	225	-	-	146
482g	Geo. B. Smith, 0.15 mile east of Well 482	80	Mar. 10, 1939	493	-	-	76	462	a/	64	b/	-	308
484a	D. D. Walker, 0.25 mile southwest of Well 484	22	Mar. 16, 1939	489	-	-	50	431	12	61	b/	-	352
484b	V. T. Null, 0.1 mile south of Well 484	36	do.	580	-	-	71	450	a/	113	b/	-	368
484c	J. O. Barnhill, 0.1 mile northeast of Well 484	44	do.	571	-	-	101	470	20	86	b/	-	315
484d	John Hinte, 0.15 mile northeast of Well 484	16	do.	1,213	-	-	264	514	10	470	b/	-	532
484e	John Hinte, 0.2 mile northeast of Well 484	85	Mar. 17, 1939	783	-	-	127	438	a/	255	-	-	450
484f	Mrs. Perry Johnson, 0.2 mile northwest of Well 484	80	Mar. 10, 1939	523	-	-	82	474	a/	78	-	-	322
484g	L. R. Platzer, 0.35 mile west of Well 484	176	do.	841	-	-	245	484	10	265	-	-	249

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
484h	W. L. Medseer, 0.2 mile north-west of Well 484	175	Mar. 17, 1939	739	-	-	256	540	a/	180	-	-	141
484i	Curtis Hosea, 0.2 mile northwest of Well 484	14	do.	1,385	-	-	160	352	23	480	208	-	810
484j	Mrs. Anna Lyng, 0.1 mile southeast of Well 484	12	Mar. 16, 1939	559	-	-	103	501	a/	81	b/	-	308
484k	G. A. Paxton, 0.1 mile south of Well 484	151	do.	844	-	-	235	484	20	258	-	-	270
486a	W. L. Mueller, 0.4 mile west of Well 486	30	do.	917	-	-	168	392	12	340	21	-	465
486b	--, 0.5 mile west of Well 486	135	do.	701	-	-	208	474	15	178	-	-	204
487a	F. L. Newell, 0.05 mile northwest of Well 487	184	Mar. 10, 1939	748	-	-	243	518	a/	197	-	-	165
487b	League City High School, 0.15 mile southeast of Well 487	176	do.	734	-	-	259	536	a/	179	-	-	129
487c	S. E. Hall, 0.2 mile southeast of Well 487	70	do.	541	-	-	96	414	10	113	b/	-	300
490a	F. O. Bear, 0.1 mile southwest of Well 490	12	Mar. 15, 1939	808	-	-	222	608	22	150	b/	-	278
491a	Chas. Bowers, 0.25 mile northeast of Well 491	27	do.	604	-	-	107	500	a/	108	b/	-	333
491b	D. Moratto, 0.05 mile northeast of Well 491	16	do.	408	-	-	51	366	a/	62	b/	-	278

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
491c	A. G. Meyer, 0.15 mile northwest of Well 491	190	Mar. 15, 1939	815	-	-	269	560	a/	216	-	-	180
492a	R. Blackmon, 0.2 mile west of Well 492	18	do.	1,063	-	-	233	502	64	279	78	-	428
492b	M. Galfione, 0.15 mile north of Well 492	105	Mar. 16, 1939	741	-	-	143	406	10	243	-	-	375
493a	Wm. Bradshaw, 0.1 mile southwest of Well 493	100	Mar. 15, 1939	417	-	-	58	434	a/	34	-	-	278
493b	R. L. Flight, 0.05 mile northwest of Well 493	130	do.	740	-	-	210	524	a/	189	-	-	240
495a	R. R. Keith, 0.15 mile northwest of Well 495	179	Mar. 13, 1939	753	-	-	254	556	a/	180	-	-	159
498a	J. H. Ross, 0.15 mile west of Well 498	60	Mar. 11, 1939	732	-	-	158	518	a/	182	b/	-	345
498b	M. K. Farrow, 0.1 mile southeast of Well 498	79	do.	732	-	-	158	425	a/	235	b/	-	338
499a	M. B. Butler, 0.2 mile south of Well 499	60	Mar. 13, 1939	1,073	-	-	266	452	40	400	-	-	398
499b	R. J. Calder, 0.1 mile south of Well 499	95	do.	689	-	-	107	446	a/	196	b/	-	412
499c	Mike Dobray, 0.1 mile north of Well 499	75	do.	937	-	-	166	412	30	345	-	-	495

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County---Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collected	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
501a	O. D. Hobbs, 0.15 mile southwest of Well 501	17	Mar. 8, 1939	1,415	-	-	313	444	24	632	-	-	600
501b	A. Hargrove, 0.15 mile south of Well 501	20	do.	1,282	-	-	319	496	40	508	-	-	472
509a	F. B. Ware, 0.05 mile southeast of Well 509	32	Feb. 27, 1939	432	-	-	36	444	10	29	b/	-	338
513a	Geo. Butterfield, 0.35 mile northwest of Well 513	22	Feb. 28, 1939	364	-	-	50	306	a/	55	-	-	240
520a	Mrs. C. P. Collins, 0.05 mile east of Well 520	12	Apr. 24, 1939	497	-	-	-	525	a/	40	b/	-	-
525a	H. B. Schmidt, 0.05 mile northwest of Well 525	32	do.	602	47	21	172	586	18	56	b/	-	203
528a	V. L. Hooper, 0.35 mile northwest of Well 528	30	do.	1,698	309	108	107	415	30	540	400	-	1,223
532a	W. B. Mitchell, 0.2 mile northeast of Well 532	30	Apr. 25, 1939	444	114	18	39	482	a/	35	b/	-	361
532b	J. F. Gillen, 0.2 mile southeast of Well 532	28	Apr. 26, 1939	606	125	21	88	555	12	87	b/	-	398
533a	E. H. Moore, 0.25 mile southwest of Well 533	32	Apr. 25, 1939	492	103	45	30	519	a/	58	b/	-	443
533b	Cooper Estate, 0.35 mile northwest of Well 533	-	do.	485	90	24	73	525	a/	32	b/	-	325

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
534a	Cooper Estate, 0.2 mile northwest of Well 534	18	Apr. 25, 1939	456	36	32	53	498	a/	37	b/	-	345
535a	H. M. Van Dyke, 0.05 mile east of Well 535	22	Apr. 26, 1939	536	111	19	74	515	a/	74	b/	-	357
535b	Mrs. Ollie Grenrood, 0.2 mile southeast of Well 535	30	do.	532	105	21	79	506	a/	74	20	-	348
536a	J. H. Cooper, 0.1 mile southwest of Well 536	32	Apr. 25, 1939	504	104	23	63	476	36	44	b/	-	354
537a	Miss -- Powers, 0.1 mile southwest of Well 537	40	do.	475	94	17	75	488	a/	48	b/	.3	306
537b	J. A. Bauer, 0.25 mile southeast of Well 537	30	do.	513	-	-	-	525	a/	52	b/	-	-
539a	H. R. Boyes, 0.05 mile west of Well 539	20	Apr. 26, 1939	518	-	-	-	519	13	48	b/	-	-
539b	H. H. McGuffy, 0.15 mile south of Well 539	35	do.	489	102	16	74	500	a/	48	b/	-	320
530a	L. V. Garret, 0.25 mile southeast of Well 540	25	Mar. 4, 1939	452	-	-	55	470	10	27	b/	-	315
540b	C. C. Remmers, 0.05 mile east of Well 540	65	Apr. 26, 1939	400	82	22	49	415	a/	40	b/	.4	294
541a	T. C. Scruggs, 0.1 mile east of Well 541	30	Mar. 4, 1939	446	-	-	39	462	a/	32	b/	-	345

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
545a	Wm. Schoenfeld, 0.25 mile southwest of Well 545	35	May 2, 1939	417	110	17	34	464	a/	27	b/	-	345
545b	do.	25	do.	459	122	17	37	451	a/	60	b/	-	376
548a	Mrs. F. Fenack, 0.25 mile southeast of Well 548	17	Apr. 27, 1939	388	107	12	32	427	a/	26	b/	-	318
550a	J. W. Neshyba, 0.5 mile southwest of Well 550	37	do.	466	118	18	41	439	a/	66	b/	-	371
550b	H. Stoneking, 0.3 mile northeast of Well 550	48	do.	473	98	17	80	488	a/	41	b/	-	291
560a	Mrs. -- Nickols, 0.4 mile southeast of Well 560	100	Apr. 6, 1939	1,532	140	67	352	500	117	610	b/	-	626
561a	G. O. Anderson, 0.05 mile west of Well 561	168	Mar. 23, 1939	944	-	-	332	580	15	242	b/	-	162
561b	C. Fedder, 0.3 mile south of Well 561	600	do.	647	-	-	235	428	30	155	b/	-	90
564a	Fred Strom, 0.3 mile southeast of Well 564	22	Apr. 10, 1939	1,022	105	38	242	549	25	320	22	-	418
570a	Mrs. -- Nichols, 0.3 mile west of Well 570	-	Apr. 6, 1939	364	108	8	25	378	a/	29	b/	-	305
575a	Geo. B. Franks, 0.1 mile northwest of Well 575	50	Mar. 27, 1939	1,521	113	62	338	537	101	593	b/	-	539
575b	Mrs. Wm. C. Lothrop, 0.2 mile southwest of Well 575	76	Mar. 29, 1939	1,214	72	43	353	647	28	400	b/	-	356

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
578a	Dr. Sam Templin, 0.1 mile south-west of Well 578	24	Apr. --, 1939	560	70	33	113	586	a/	50	b/	-	310
581a	Mrs. Henrietta Schmidt, 0.05 mile south of Well 581	6	Mar. 31, 1939	1,161	114	72	247	787	16	322	b/	-	579
583a	Fred C. Pabst, 0.1 mile northwest of Well 583	68	Apr. 4, 1939	775	68	47	179	695	37	102	b/	-	364
586a	R. L. Allen, 0.1 mile northeast of Well 586	22	Mar. 24, 1939	960	-	-	235	625	102	185	-	-	368
586b	R. L. Allen, 0.2 mile northwest of Well 586	22	do.	575	76	36	106	549	15	72	b/	-	337
586c	Mrs. -- Lockhart, 0.25 mile west of Well 586	20	Mar. 25, 1939	738	84	37	158	586	40	131	b/	-	363
586d	M. Rosello, 0.2 mile west of Well 586	80	do.	994	60	35	291	622	32	270	b/	-	291
587a	E. F. Strumm, 0.5 mile west of Well 587	28	Mar. 27, 1939	4,645	438	230	922	415	851	2,000	b/	-	2,042
593a	Geo. Sealy Estate, 0.1 mile north of Well 593	200	Mar. 22, 1939	868	-	-	310	552	a/	254	-	-	138
594a	M. Laughlin, 0.15 mile northeast of Well 594	25	Mar. 24, 1939	936	-	-	238	583	99	195	-	-	338
594b	Mrs. Fred Burton, 0.05 mile west of Well 594	125	do.	-	-	-	-	-	130	615	-	-	-
595a	Henrietta Jones, 0.05 mile east of Well 595	211	Mar. 22, 1939	1,037	-	-	294	604	27	310	-	-	322
595b	Geo. M. Selensky, 0.1 mile east of Well 595	212	Mar. 25, 1939	778	22	10	286	586	a/	167	b/	-	96

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
595c	J. L. Berridge, 0.1 mile south of Well 595	110	Mar. 24, 1939	983	-	-	305	610	51	252	-	-	246
596a	Jos. Collonge, 0.15 mile west of Well 596	90	Mar. 22, 1939	1,071	-	-	310	608	66	295	-	-	308
596b	Dr. Fred W. Aves, 0.15 mile southwest of Well 596	200±	do.	776	-	-	294	584	a/	179	-	-	93
596c	W. W. Barnes, 0.25 mile southwest of Well 596	100	do.	1,077	-	-	255	620	69	290	-	-	435
597a	A. A. Bartell, 0.1 mile west of Well 597	98	Mar. 23, 1939	912	-	-	269	564	30	250	-	-	262
597b	C. A. Benoist, 0.35 mile southeast of Well 597	100	do.	767	-	-	223	498	a/	235	-	-	262
597c	R. H. Koehler, 0.1 mile east of Well 597	230	do.	788	-	-	301	596	a/	180	-	-	90
597d	R. C. Schroeder, 0.15 mile west of Well 597	83	do.	968	-	-	279	576	23	285	-	-	292
598	F. A. Arnin, 0.2 mile west of Well 598	40	Apr. 10, 1939	975	92	50	222	561	40	245	b/	-	436
607a	Stanolind Oil Co., 0.35 mile southwest of Well 607	-	Apr. 11, 1939	857	-	-	-	659	14	190	b/	-	-
611a	A. Thayer, 0.05 mile northwest of Well 611	20	Mar. 31, 1939	558	94	30	87	476	a/	110	b/	-	359

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
616a	R. J. Drees, 0.05 mile east of Well 616	33	Mar. 29, 1939	805	72	32	205	580	45	166	-	-	310
617a	Joe Drees, 0.1 mile south of Well 617	30	do.	891	86	32	217	622	123	127	-	-	345
617b	Joe Drees, 0.15 mile southwest of Well 617	90	do.	1,068	67	36	310	573	13	360	b/	-	318
619a	W. T. Steaner, 0.2 mile east of Well 619	20	Mar. 30, 1939	986	100	47	221	555	45	300	b/	-	444
621a	Mrs B. H. Leining, 0.4 mile southwest of Well 621	150	Mar. 31, 1939	751	28	17	262	677	a/	110	b/	-	141
621b	Mike Leining, 0.45 mile southwest of Well 621	103	do.	661	-	-	-	537	a/	134	b/	-	-
621c	Mrs. Augusta Coates, 0.25 mile south of Well 621	75	do.	725	75	36	166	555	a/	167	b/	-	338
621d	H. G. Hartman, 0.55 mile south of Well 621	40	do.	828	111	44	152	586	57	176	b/	-	457
622a	H. F. Thaman, 0.2 mile south of Well 622	35	Mar. 30, 1939	1,267	95	62	312	628	89	400	b/	-	493
622b	R. E. Hagerman, 0.1 mile north of Well 622	35	do.	797	58	40	211	683	14	138	b/	-	310
622c	do.	35	Mar. 29, 1939	867	103	44	177	525	27	258	b/	-	437
623a	H. R. Harwood, 0.2 mile south of Well 623	23	Mar. --, 1939	640	-	-	-	555	11	108	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued
Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
623b	L. Grenefeld, 0.4 mile southwest of Well 623	120	Mar. 31, 1939	734	62	26	201	586	a/	148	-	-	261
623c	H. C. Viets, 0.1 mile west of Well 623	22	Mar. 30, 1939	527	100	18	89	549	a/	45	b/	-	326
623d	W. A. Vogedes, 0.1 mile southwest of Well 623	100	do.	885	-	-	-	586	10	250	b/	-	-
623e	do.	35	do.	514	97	21	81	482	a/	74	b/	-	328
635a	O. E. Henderson, 0.15 mile north of Well 635	38	Mar. 31, 1939	503	76	22	98	500	a/	52	b/	-	279
636a	Robt. Thompson, 0.4 mile south of Well 636	29	Apr. 3, 1939	478	92	18	77	500	a/	44	b/	-	306
636b	Mrs. M. Hagerstrom, 0.25 mile south of Well 636	25	do.	500	98	32	60	543	a/	42	b/	-	375
636c	T. H. Filer, 0.2 mile north of Well 636	30	do.	551	77	12	130	488	12	80	b/	-	243
636d	A. Shindler, 0.15 mile north of Well 363	30	do.	564	-	-	-	500	a/	96	b/	-	-
636e	Ben Leining, 0.1 mile south of Well 636	21	do.	518	96	17	91	531	a/	50	b/	-	311
636f	Ben Leining, 0.15 mile southwest of Well 636	24	do.	508	-	-	-	525	a/	49	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
636g	B. A. Bradley, 0.2 mile south of Well 636	-	Apr. 3, 1939	548	-	-	-	525	a/	72	b/	-	-
638a	D. M. Packard, 0.1 mile north of Well 638	50	Mar. 31, 1939	606	80	30	124	555	a/	98	b/	-	324
638b	J. C. Myers, 0.2 mile south of Well 638	25	do.	535	112	26	67	531	a/	66	b/	-	386
640a	A. W. Harris, Sr., 0.2 mile east of Well 640	40	Apr. 3, 1939	491	100	18	72	476	a/	61	b/	-	326
640b	-- Bishop, 0.3 mile south of Well 640	-	Apr. 4, 1939	454	-	-	-	415	10	64	b/	-	-
640c	J. C. Perrins, 0.4 mile southwest of Well 640	27	do.	368	95	13	34	403	a/	19	b/	-	293
645a	G. A. Beaver, 0.2 mile north of Well 645	30	do.	453	116	24	29	445	a/	56	b/	-	390
645b	Arcadia Grammar School, 0.1 mile northeast of Well 645	-	do.	552	49	27	140	519	a/	72	-	-	232
645c	A. W. Reichardt, 0.2 mile northwest of Well 645	?	Apr. 5, 1939	576	109	36	68	494	12	108	b/	-	422
645d	Tom Evans, 0.3 mile northwest of Well 645	25	do.	464	75	29	72	476	a/	49	b/	-	308
645e	Palino Estate, 0.2 mile southeast of Well 645	25	do.	869	178	30	115	476	32	230	b/	-	569

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
645f	Caroline Ownes, 0.1 mile south of Well 645	137	Apr. 5, 1939	589	36	20	180	561	12	65	b/	-	173
645g	H. H. Ganter, 0.05 mile northwest of Well 645	36	do.	474	80	39	57	506	a/	46	b/	-	359
645h	Mrs. L. Collins, 0.35 mile northeast of Well 645	40	Apr. 4, 1939	346	96	23	9	390	a/	21	b/	-	334
646a	W. L. Walker, 0.3 mile northeast of Well 646	25	Apr. 5, 1939	521	83	38	75	543	a/	57	b/	-	363
647a	W. Fraser, 0.1 mile south of Well 647	90	Apr. 4, 1939	547	69	28	113	488	a/	88	b/	-	287
647b	F. S. Pourchot, 0.1 mile southeast of Well 647	30	do.	451	106	23	43	476	a/	42	b/	-	359
648a	D. W. Burns, 0.1 mile south of Well 648	30	do.	479	112	30	36	464	a/	70	b/	-	404
651a	Joe Mato, 0.1 mile southwest of Well 651	27	Apr. 5, 1939	714	161	35	62	464	11	190	27	-	547
651b	Tony Morello, 0.1 mile south of Well 651	30	Apr. 3, 1939	711	130	34	38	421	26	198	28	-	591
651c	A. Benzi, 0.15 mile northwest of Well 651	30	Apr. 6, 1939	708	178	39	32	439	44	177	22	-	604
651d	G. J. Bludworts, 0.5 mile south of Well 651	29	do.	587	62	26	140	512	15	92	b/	-	261
652a	Mrs. A. Perricome, 0.35 mile east of Well 652	18	Jan. 26, 1939	491	-	-	78	490	a/	34	-	-	308

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Supplementary analyses of water from wells in Galveston County--Continued

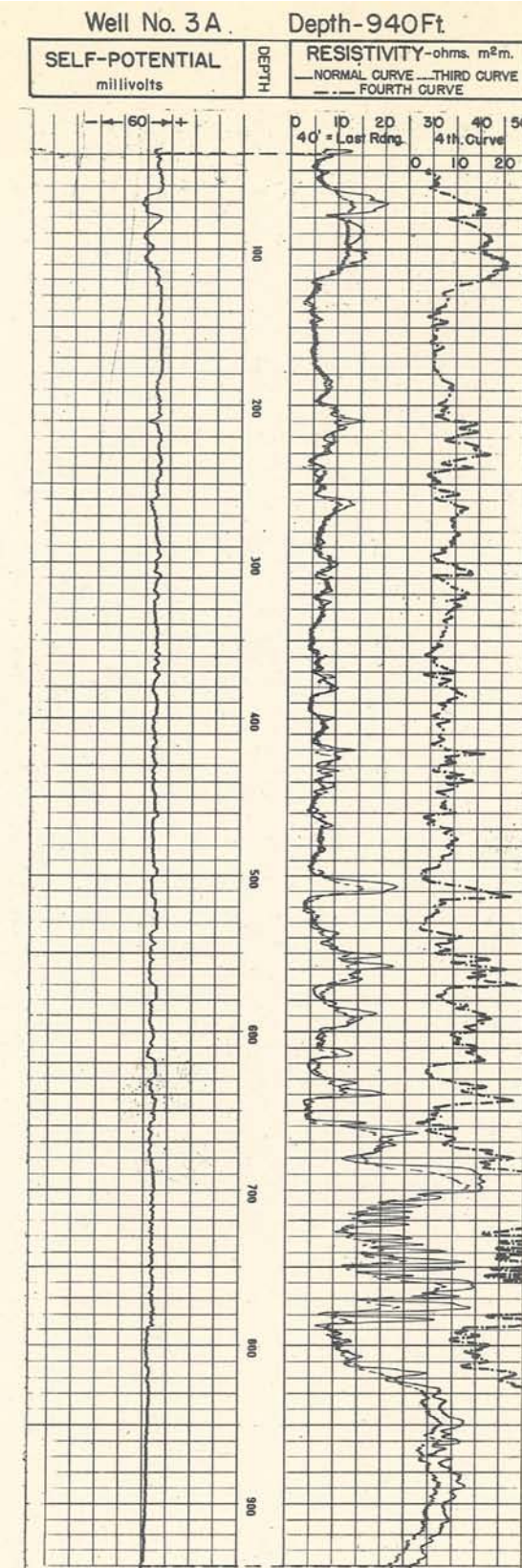
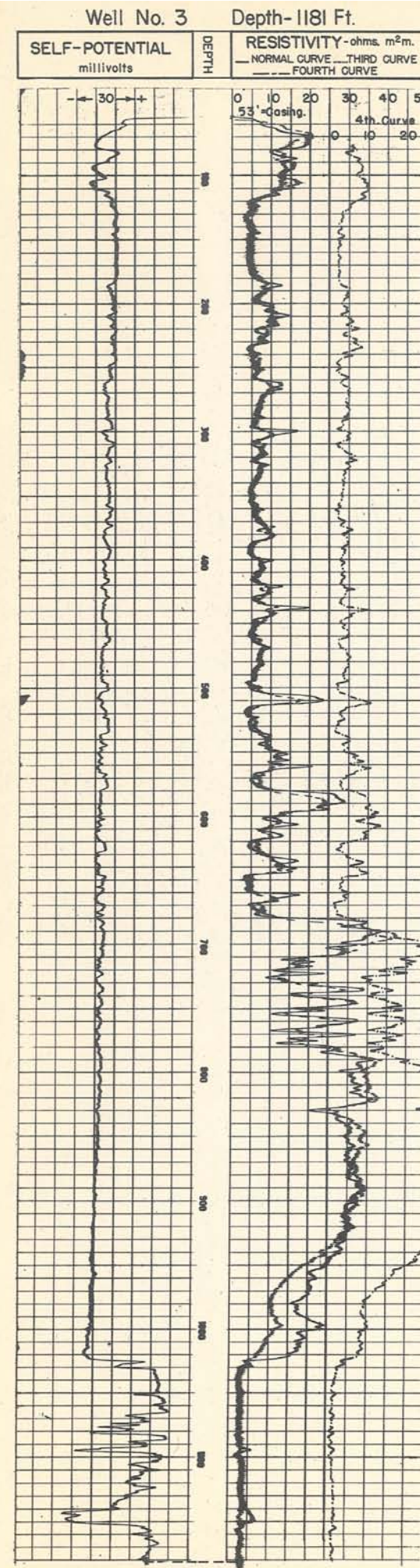
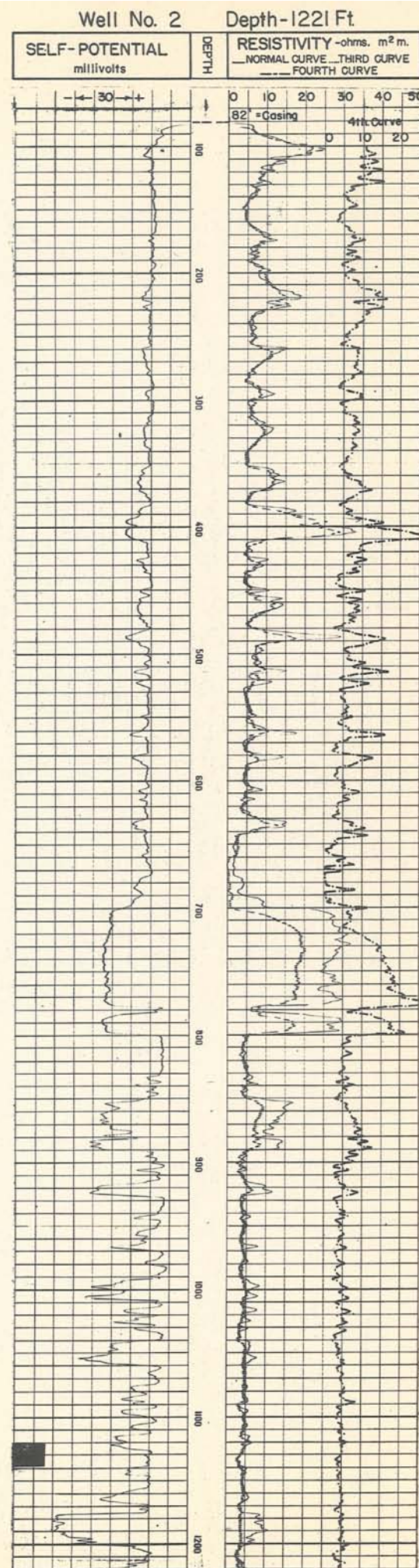
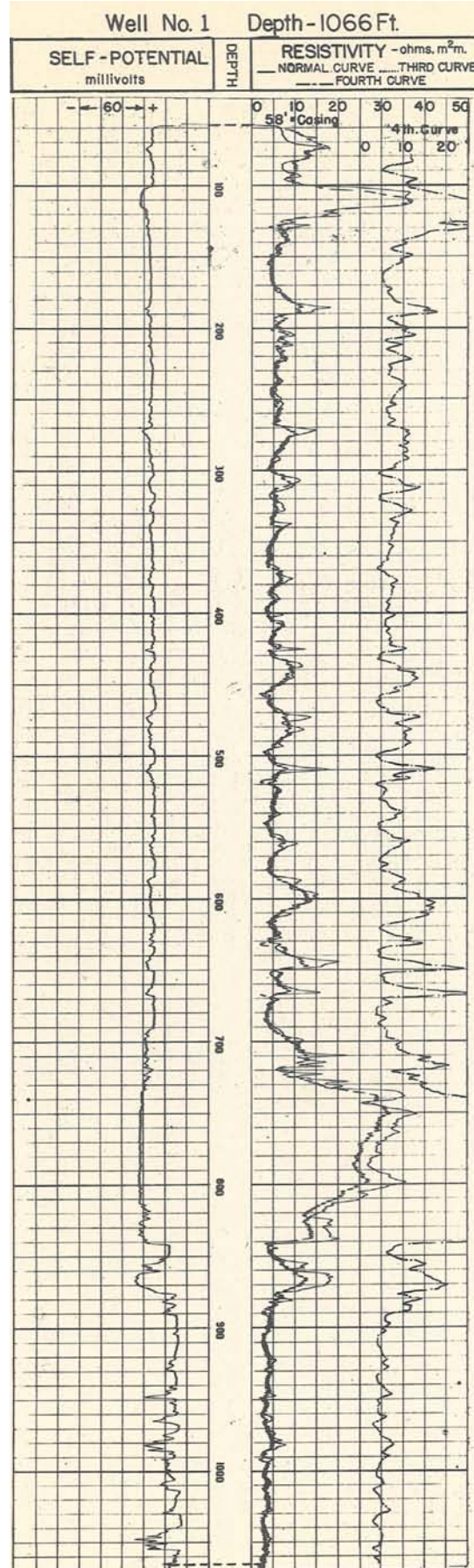
Results are in parts per million.

Well No.	Owner and distance	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
653a	N. S. Daniels, 0.1 mile west of Well 653	65	Apr. 3, 1939	631	149	35	41	482	21	116	32	-	517
655a	J. R. Beaver, 0.15 mile west of Well 655	92	Apr. 3, 1939	461	59	28	38	427	12	64	b/	-	262
655b	B. T. Rogers, 0.05 mile south of Well 655	108	do.	467	56	30	90	427	13	68	-	-	264
655c	B. T. Rogers, 0.15 mile southwest of Well 655	22	Apr. 2, 1939	893	211	28	87	281	a/	420	b/	-	642
656a	Geo. Lane, 0.05 mile south of Well 656	35	Apr. 6, 1939	464	62	24	92	451	12	52	b/	-	255
660a	E. H. Allbright, 0.15 mile northeast of Well 660	50	May 9, 1939	479	-	-	46	449	a/	65	b/	.1	368
660b	J. C. Meek, 0.5 mile east of Well 660	35	do.	768	-	-	73	506	22	195	b/	-	555
661a	J. S. Gonzales, 0.35 mile southeast of Well 661	33	May 5, 1939	524	-	-	56	462	12	70	b/	-	375
663a	A. F. Sturms, 0.15 mile north of Well 663	35	May 2, 1939	760	-	-	143	550	10	178	b/	.7	405
663b	J. E. Gilbert, 0.35 mile southeast of Well 663	38	May 9, 1939	557	-	-	139	515	10	69	b/	.8	232

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

ELECTRICAL LOGS OF GALVESTON CITY TEST WELLS



MAP OF GALVESTON COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS

SCALE
0 1/2 1 2 3 4 5 6 MILES

FIELD WORK BY
PENN LIVINGSTON, S.F. TURNER
B.A. BARNES

BASE COMPILED FROM
U. S. GEOLOGICAL SURVEY TOPOGRAPHIC MAPS
AND SOIL SURVEY MAP
OF THE
BUREAU OF CHEMISTRY AND SOILS
OF THE
U. S. DEPARTMENT OF AGRICULTURE

GEOLOGICAL SURVEY
U. S. DEPARTMENT OF THE INTERIOR
COOPERATING WITH
TEXAS BOARD OF WATER ENGINEERS

EXPLANATION

- WELL WITH HAND PUMP, BUCKET OR BAILER
- ◇ WELL WITH WINDMILL OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT — 5 HORSE POWER OR LARGER
- ◇ UNUSED WELL
- ◇ WELL DRILLED TO TEST FOR OIL OR GAS
- FLOWING WELL

