

TEXAS BOARD OF WATER ENGINEERS

C. S. Clark, Chairman
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ARANSAS COUNTY, TEXAS

PREPARED IN COOPERATION WITH THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY

APRIL 1940

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TEXAS

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ARANSAS COUNTY, TEXAS

Records of wells, drillers' logs, water analyses,
cross sections, and map showing locations of wells.

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Work Projects Administration Project 10448

Carl E. Johnson
Project Superintendent

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Sponsored by the State Board of Water Engineers with the United States Department of the Interior, Geological Survey, and the Bureau of Industrial Chemistry of The University of Texas cooperating.

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Austin, Texas
April 15, 1940

ARANSAS COUNTY, TEXAS

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Introduction
by
W. O. George
Assistant Geologist
United States Geological Survey

This publication contains an assemblage of data, obtained by means of a survey in Aransas County, Texas, consisting of records of wells, logs of wells and test holes, and analyses of water from wells and test holes. It also includes a map showing the locations of wells and test holes. The text holes were drilled in the fresh water area along Live Oak Ridge, which is a low sandy ridge from two to four miles wide extending parallel with the coast through Rockport and Aransas Pass. On page 46 are shown two cross sections drawn from data obtained from test holes drilled northwest of Estes and northwest of Rockport. They show the profile of the ridge with reference to sea level and the kinds of rock encountered in each well. Where water samples were obtained, the amount of chlorides are shown in parts per million. These chlorides are an indication of the quality of the water found at different depths in each hole. According to the standards of the U. S. Department of Public Health, water containing more than 250 parts per million of chlorides is not desirable. More complete analyses of water from test holes and wells are listed in the table of chemical analyses on pages 31 to 45.

The survey, project 10448, was a part of a State-wide inventory of water wells sponsored by the State Board of Water Engineers. The United States Department of the Interior, Geological Survey, cooperated in the technical direction of the project. It was started March 25, 1939 and completed December 24, 1939. Carl E. Johnson, a geologist, was project superintendent under the direction of Mrs. Elizabeth McCauley, of San Antonio, District Supervisor of Professional and Service Projects. Aransas County furnished the reansportation for the workers.

The analyses were made by chemists employed on Work Projects Administration Project 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and E. W. Lohr, chemist of the Quality of Water Division of the Geological Survey. The Bureau of Industrial Chemistry furnished laboratory space and equipment. This release was typed by typists employed on that project.

The records serve as a guide to land owners, well drillers and others who need information regarding wells, the depth to ground water in different parts of the county, and the quantity and chemical character of water yielded by wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Geological Survey. The purpose of this investigation is to determine the distribution and extent of the available ground-water supplies and the safe yield of the underground reservoirs. The records may also serve as a basis for the study of salt-water encroachment.

Records of wells in Aransas County, Texas

(All wells are drilled unless otherwise noted in "Remarks" column.)
 (See "Logs of W. P. A. test wells" for all records of test wells.)

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
1	11 $\frac{1}{4}$ miles west	John Hancock Ins. Co.	--	1924	300	3	1.2
2	10 $\frac{3}{4}$ miles west	Franklin & Garber	--	1908	190	1	--
4	9 $\frac{1}{2}$ miles west	Rincon Iv. Co.	--	1920	750	4	--
5	9 miles west	do.	--	1936	175	3	--
6	8 miles west	do.	--	1928	170	2	--
7	8 $\frac{1}{2}$ miles west	do.	--	1937	180	2	--
8	do.	do.	--	--	165	3 $\frac{1}{2}$	--
9	9 miles west	do.	--	1938	190	4	--
10	do.	do.	--	1929	173	3	--
11	8 $\frac{1}{4}$ miles west	do.	--	1927	182	4	--
12	7 $\frac{1}{2}$ miles west	do.	--	1926	175	3	2.3
13	8 miles west	do.	--	1936	160	4	2.8
14	7 $\frac{3}{4}$ miles west	do.	-- Fehplat	1936	196	4	--
15	do.	do.	--	1938	190	4	--
16	7 $\frac{1}{2}$ miles west	do.	--	1938	170	4	3.2
17	7 miles west	do.	--	1930	225	4	--
18	5 $\frac{1}{2}$ miles west	Port Bay Hunting Club	--	1928	225	3 $\frac{1}{2}$	--
d/19	7 $\frac{1}{2}$ miles west	Grant & Jennings	--	--	--	--	--
24	6 $\frac{1}{2}$ miles southwest	B. Grant	--	1932	92	4	--
26	do.	do.	--	1933	100	6	0.6
28	do.	Humble Oil & Refining	--	--	266	--	--
29	7 $\frac{1}{2}$ miles southwest	M. L. Pruitt	M. S. Pruitt	1938	40	4	4.2
30	8 $\frac{1}{2}$ miles southwest	Atlantic Oil Co.	Lloyd Richardson	1937	151	6	--
31	8 $\frac{3}{4}$ miles southwest	do.	do.	1937	147	6	--

a/ Measuring point usually top of casing, top of pipe clamp or well curb. Minus (-) sign indicates measuring point was below ground level.

b/ R, bucket; C, cylinder; W, windmill; H, hand pump; G, gasoline; GL, gas lift; E, electric; number indicates horsepower.

Records obtained by Carl B. Johnson, Project Superintendent
(Chemical analyses of water from those wells are in the table of analyses)

No.	Water level		Pump and power	Use of water	Remarks
	Depth below measuring point (ft.)	Date of measurement			
1	15.2	June 20, 1939	C,W	D,S	Reported strong supply. Cased to bottom.
2	30	c/	C,W	D,S	Supplies water for forty head of cattle.
4	Flows	--	--	S	Reported yield, 75 gallons per minute of salty water. Not fit for domestic use.
5	40	e/	C,W	D,S	Slightly salty. Cased to bottom.
6	50	e/	C,W	S	Salty water. Supplies water for 20 head of cattle.
7	27	c/	C,W	D,S	Supplies water for 15 head of cattle and one family.
8	35	e/	C,W	D,S	Slightly salty. Supplies water for 17 head of cattle and one family. Cased to bottom.
9	30	e/	C,W	D,S	Slightly salty. Supplies water for 10 head of cattle and one family. Cased to bottom.
10	17	c/	C,W	D,S	Do.
11	16	c/	C,W	D,S	Slightly salty. Supplies water for 6 head of cattle and one family. Cased to bottom.
12	16.9	June 31, 1939	C,W	D,S	Slightly salty. Supplies water for 25 head of cattle and two families. Cased to bottom.
13	17.8	do.	C,W	D,S	Slightly salty. Supplies water for 20 head of cattle and two families. Cased to bottom.
14	11	e/	C,W	D,S	Slightly salty. Supplies water for 10 head of cattle and one family. Cased to bottom.
15	11	c/	C,W	S	Cased to bottom.
16	15.8	June 20, 1939	C,W	S	Slightly salty. Supplies water for 15 head of cattle and one family. Cased to bottom.
17	60	c/	C,W	S	Slightly salty. Supplies water for 100 head of cattle. Cased to bottom.
18	3.5	c/	C,W	S	Slightly salty. Cased to bottom.
19	--	--	--	S	Impounded surface supply covering approximately 3 acres.
22	35	c/	C,W	D,S	Good water. Supplies water for 40 head of cattle. Cased to bottom.
26	23.5	May 10, 1939	C,W	S	Supplies water for 50 head of cattle. Cased to bottom.
28	--	--	--	--	Drilled as test well 973 by Humble Oil and Refining Company. See log.
29	19.1	May 16, 1939	C,W	D,S	Reported strong supply. Cased to bottom; two joints perforated; gravel wall.
30	18	c/	C,W	D,S	Reported strong supply. Cased to bottom.
31	18	c/	C,W	D,S	Do.

c/ D, domestic; S, stock; I, irrigation; Ind. industrial; P, public; N, not used.
d/ No water sample collected for analysis.
e/ Water level reported; not measured.

Records of wells in Aransas County--Continued

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/32	9 miles southwest	Atlantic Oil Co.	A. H. Masiran	1937	124	5 $\frac{1}{2}$	--
d/33	8 $\frac{1}{2}$ miles southwest	C. M. Vaughan	C. M. Vaughan	1937	160	6	3.6
34	8 $\frac{1}{4}$ miles southwest	do.	do.	1937	160	6	0.9
35	9 $\frac{1}{2}$ miles southwest	W. S. Kirby	--	1928	39	4	--
36	9 miles southwest	Con Brown	--	1925	22	2	--
37	8 miles southwest	Mrs. G. A. Sweeny	G. A. Sweeny	1937	30	2	--
38	do.	E. W. Barber	--	1939	18	2	--
39	7 $\frac{1}{2}$ miles southwest	J. E. Frecze	--	--	20	1 $\frac{1}{4}$	--
40	do.	do.	--	1927	18	1 $\frac{1}{4}$	--
41	7 miles southwest	Carl Shaver	Carl Shever	1935	25	2	--
42	6 $\frac{1}{2}$ miles southwest	Bill Freeze	--	1939	21	4	--
45	5 $\frac{1}{2}$ miles southwest	C. C. Hurst	C. C. Hurst	1928	21	1 $\frac{1}{4}$	--
46	5 $\frac{1}{4}$ miles southwest	R. R. Barber	R. R. Barber	1932	52	4	1.2
47	do.	Amos Glass	Amos Glass	1937	16	2	--
48	4 $\frac{3}{4}$ miles southwest	J. Mullins	J. Mullins	--	22	1 $\frac{1}{4}$	--
49	4 $\frac{1}{4}$ miles southwest	T. J. Childress	T. J. Childress	1928	22	1 $\frac{1}{4}$	--
50	3 $\frac{1}{2}$ miles southwest	Ford Jackson	--	1927	50	4	4.0
d/51	5 miles southwest	--	Humble Oil & Refining Co.	--	286	--	--
56	6 miles southwest	Oak Grove School District	Oak Grove School District	1936	60	4	--
58	5 $\frac{3}{4}$ miles southwest	E. F. Barber	E. F. Barber	1925	110	4	--
59	5 $\frac{1}{2}$ miles west	do.	C. D. Barber	1938	97	3	--
60	do.	R. Winderwood	--	1926	96	4	3.0
63	4 miles west	A. Knox	A. Knox	1937	52	4	2.7
65	3 $\frac{3}{4}$ miles east	Ben Dupink	--	1926	42	4	1.2
66	3 miles west	C. A. Roe	--	1936	23	3	--
67	2 $\frac{3}{4}$ miles west	W. E. Fairchild	--	1932	56	--	--

Carl E. Johnson, Project Superintendent

No.	Water level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (ft.)	Date of measurement			
32	18	c/	C,W	D	Reported strong supply. Cased to bottom; lower 30 feet perforated.
33	21.2	Mar. 7, 1939	C, GL	Ind.	Five wells used for oil drilling. Reported yield, by gas lift 45 gallons a minute. Six-inch casing perforated from 30 to 40 feet, from 108 to 118
34	23.0	Mar. 2, 1939	--	D, S, Ind	Do. feet and from 150 to 160 feet.
35	16.1	Apr. 19, 1939	C, W	D	Reported strong supply. Cased to bottom.
36	10	c/	C, W	D, S	Cased to bottom.
37	14	c/	C, W	D, S	Do.
38	4	Apr. 11, 1939	C, W	D, S	
39	6	c/	C, W	D, S	
40	4	c/	C, W	D, S	Reported dependable supply.
41	14	c/	--	D, S	Do.
42	5	c/	None	--	Salty water.
45	6	c/	C, H	D, S	Reported dependable supply.
46	10.3	Apr. 19, 1939	C, W	D, S	Reported dependable supply. Cased to bottom.
47	4	c/	C, W	D, S	Do.
48	4	c/	C, W	D, S	Do.
49	5	c/	C, H	D	Do.
50	17.2	Apr. 19, 1939	C, W	D, S	do.
51	--	--	--	--	Drilled as test well 976 by Humble Oil and Refining Company. See log. Reported altitude 12
56	22	c/	C, W	D	Reported dependable supply. Cased to feet. bottom.
58	5	c/	C, W	D, S	Do.
59	12.0	May 16, 1939	C, H	D, S	Do.
60	18.3	do.	C, W	D, S	Supplies water for three families.
63	16.2	Aug. 18, 1939	C, W	S	Four-inch casing to bottom.
65	0.2	May 17, 1939	C, H	D, S	Reported strong supply. Cased to bottom. Supplies water for 16 cows and two families.
66	10	c/	C, W	D, S	Reported dependable supply. Cased to bottom.
67	20	c/	C, W	D, S	Do.

Records of wells in Aransas County--Continued

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
68	2 $\frac{3}{4}$ miles west	A. E. Story	A. E. Story	1937	22	2 $\frac{1}{2}$	--
70	2 $\frac{1}{4}$ miles west	Lock Campbell	--	1936	36	2 $\frac{1}{2}$	--
d/72	do.	A. L. Deetzel	American Sub.Co.	1934	--	--	--
75	$\frac{1}{2}$ mile west	P. Hopper	--	1926	32	2 $\frac{1}{2}$	--
77	$\frac{1}{2}$ mile southwest	H. G. Smith	H. G. Smith	1936	58	4	0.5
d/78	1 mile southwest	--	-- McElvin	1937	42	4	--
79	1 $\frac{1}{2}$ miles southwest	R. V. Kingsly	--	1937	40	3	--
80	1 $\frac{3}{4}$ miles southwest	Q. Brundrett	--	1937	21	1 $\frac{1}{2}$	--
81	do.	D. R. Simmons	-- McElvin	1936	43	4 $\frac{1}{2}$	--
82	1 $\frac{1}{2}$ miles south	Jack Hager	do.	1933	52	4	1.0
d/83	1 mile south	S. D. Daggett	do.	--	22	1 $\frac{1}{2}$	--
d/84	do.	Trailer Havan Co.	--	--	30	2	--
d/85	do.	do.	--McElvin	1937	80	--	--
86	$\frac{1}{2}$ mile south	O. Johnson	--	1937	78	1 $\frac{1}{2}$	--
87	do.	J.C. Sorenson	--	--	18	1 $\frac{3}{4}$	--
d/89	$\frac{1}{4}$ mile south	A. P. Davis	--McElvin	1938	52	4	--
90	$\frac{1}{4}$ mile southwest	City of Rockport	Layne-Texas Co.	1938	78	13 $\frac{1}{2}$	--
91	do.	do.	do.	1938	78	13 $\frac{1}{2}$	--
d/92	In Rockport	Central Power & Light Co.	E. C. Ballon	1924	120	4	--
d/93	do.	do.	do.	1925	85	5	--
d/94	do.	do.	do.	--	53	6	--
95	do.	Mrs. E. Barrows	--	1935	45	4	--
d/96	do.	W. H. Balwin	--	1937	53	4	--
97	do.	Sam T. Prophet	--Haynes	1938	50	4	--
d/98	do.	Snyder Motor Co.	-- McElvin	1930	50	4	0.7
d/99	do.	T. N. Smith	E. C. Ballon	1936	62	4	1.0
100	do.	R. Drake	--	1936	48	3	--

Carl E. Johnson, Project Superintendent

No.	Water level		Pump and power b/ c/	Use of water c/	Remarks
	Depth below measurement point (ft.)	Date of measurement			
68	5	e/	C,W	D,S	Reported dependable supply. Cased to bottom.
70	16	e/	C,W	D	Do.
72	--	--	--	--	Oil well. See log.
75	15	e/	C,H	D,S	Reported dependable supply. Cased to bottom.
77	13.8	June 19, 1939	C,E, $\frac{1}{4}$	D	Do.
78	--	--	C,E	*--	Cased to bottom. Supplies water for trailer camp.
79	13	e/	C,G, $\frac{1}{4}$	D	Cased to bottom.
80	6	e/	C,G, $\frac{1}{4}$	D	Supplies water for service station. Cased to bottom.
81	11	e/	C,G, $\frac{1}{2}$	D	Supplies water for tourist camp. Cased to bottom.
82	3.8	June 19, 1939	C,G, $\frac{1}{4}$	D	Do.
83	16	e/	C,W	D,P	Supplies water for tourist camp. Two-inch sand point on bottom with four feet of screen.
84	--	--	C,E	I	Supplies water for tourist camp.
85	--	--	--	--	Salty water reported at 14, 42 and 79 feet. Blue clay at bottom.
86	11	e/	C,W	D	
87	10	e/	C,E	D,S	Salty water. Not used.
89	--	--	--	--	Four-inch casing to bottom.
90	10	e/	C,E 3	P	Reported yield, 120 gallons a minute. 13-inch casing to 47 feet; 6-inch to bottom. Screen
91	10	e/	C,E 3	P	Do. 68 to 78 feet.
92	--	--	C,E, 5	Ind	Reported yield, 65 gallons a minute. Used for cooling water. One suction line for three wells.
93	--	--	C,E, 5	Ind	Do.
94	--	--	C,E, 5	Ind	Do.
95	16	e/	C,E	D	Reported dependable supply. Supplies water for tourist cottages.
96	--	--	C,E, $\frac{1}{4}$	--	Slightly salty water.
97	10	e/	C,W	D	Reported dependable supply.
98	7.9	Sept. 25, 1937	C,E, 1/3	P	Used for service station.
99	8.0	do.	C,E, 1/3	D,S	
100	16	e/	C,W	N	

Records of wells in Aransas County--Continued

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
101	In Rockport	Mrs. D. M. Picton	D. M. Picton	1907	68	6	--
102	do.	C. T. Picton	--	1926	58	4	--
103	$\frac{3}{4}$ miles northeast	Pat Rutherford	--	1936	52	4	--
104	In Rockport	G. A. St. Onge	--	1908	20	$1\frac{1}{2}$	--
d/105	$\frac{1}{2}$ miles northwest	Central Power & Light Co.	Ed Peets	1928	14	4	--
106	$\frac{1}{2}$ mile north	Mrs. B. Harper	R. Austin	1938	52	2	--
107	do.	J. W. Haynes	--	1939	54	4	--
108	do.	G. W. Leach	--	1939	78	2	--
109	$2\frac{1}{2}$ miles north	R. M. Glass	--	1939	32	3	--
d/110	$2\frac{1}{2}$ miles northwest	A. A. Knox	G. H. Allen	1934	18	$1\frac{1}{2}$	--
d/111	$2\frac{3}{4}$ miles northwest	H. T. Bailey	J. H. Howell	--	82	6	--
112	do.	C. H. Harrell	--	1938	41	$3\frac{1}{2}$	--
d/116	$3\frac{3}{4}$ miles northwest	Mrs. Kate Johnson	W. M. Johnson	1930	73	4	--
d/118	$3\frac{1}{2}$ miles northwest	Mrs. G. S. Stansbury	J. H. Howell	--	80	4	--
d/120	3 miles northwest	do.	do.	--	82	3	--
d/121	do.	E. C. Ballow	E. C. Ballow	1927	40	2	--
d/122	do.	Sparks Colony School	do.	1926	43	4	0.5
123	$2\frac{3}{4}$ miles northwest	R. Simpson	R. Simpson	1930	60	3	1.3
d/124	do.	B. W. Stewart	B. W. Stewart	--	27	$1\frac{1}{2}$	--
d/126	3 miles northwest	G. W. Manship	G. W. Manship	--	18	$1\frac{1}{4}$	--
d/127	$2\frac{3}{4}$ miles northwest	W. W. Ferris	Ed Ballow	--	28	2	--
d/128	do.	do.	do.	1926	87	4	--
d/132	$2\frac{1}{4}$ miles north	W. B. Johnson	W. B. Johnson	1933	30	2	--
d/135	$2\frac{1}{2}$ miles northeast	H. G. Stumberg	--	1937	18	$2\frac{1}{2}$	--
d/136	do.	--Shaw	--	1932	18	2	--

a/ Measuring point usually top of casing, top of pipe clamp or well curb. Minus(-) sign indicates measuring point was below ground level.

b/ B, bucket; C, cylinder; W, windmill; H, hand pump; G, gasoline; GL, gas lift, E, electric; number indicates horsepower.

Carl E. Johnson, Project Superintendent

No.	Water level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (ft.)	Date of measurement			
101	16	e/	C,W	D	Reported dependable supply.
102	10	e/	C,E, $\frac{1}{4}$	D	
103	22	e/	C,G, $\frac{1}{2}$	D,I	Water is used to irrigate two acres of grass.
104	6	e/	C,W	D	
105	--	--	C,E, $\frac{1}{2}$	D	Reported pumps seven gallons a minute almost continuously.
106	17	e/	C,W	D	Cased to bottom.
107	10	e/	C,W	D,S	Do.
108	12	e/	C,W	D	Do.
109	16	e/	C,H	D,S	Do.
110	--	--	C,H	D,S	Reported clay at 16 feet.
111	5	e/	C,W	D,S	Reported sulphur odor.
112	13	June 15, 1939	C,H	D,S	Reported dependable supply. Cased to bottom.
116	--	--	None	N	Well was filled. All water salty.
118	--	--	C,H	N	Salty water. Unfit for domestic use.
120	--	--	C,H	D,S	Water from second stratum. First stratum from 10 to 12 feet.
121	--	--	C,W	D,S	
122	10.3	Sept. 25, 1937	C,W	D,P	
123	10.3	June 15, 1939	C,W	D	Reported strong supply.
124	--	--	C,-	D,S	
126	--	--	C,H	D,S	
127	--	--	C,G, 5	I	Reported yield, 40 gallons a minute from sand.
128	--	--	C,W	D,S	
132	4	e/	C,W	S	
135	--	--	C,E, $\frac{1}{2}$	D,S	Second well eight feet away found salty water at 32 feet.
136	--	--	C,H	D,S	Sand-point well.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.
d/ No water sample collected for analysis.
e/ Water level reported; not measured.

Records of wells in Aransas County--Continued

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
138	2 $\frac{1}{2}$ miles northeast	B. Scobby	--	1929	50	1 $\frac{1}{2}$	--
139	2 $\frac{3}{4}$ miles northeast	-- Paul	--	1938	28	2 $\frac{1}{2}$	--
d/140	3 miles northeast	W. B. Johnson	W. B. Johnson	1934	22	4	--
d/141	do.	Fred Weber	Fred Weber	1931	24	1 $\frac{1}{2}$	--
d/143	3 miles north	Mrs. M. Sprinkle	-- Baker	1931	32	1 $\frac{3}{4}$	--
d/144	2 $\frac{3}{4}$ miles north	Preston McHugh	Preston McHugh	1937	26	1 $\frac{1}{2}$	--
145	3 $\frac{1}{4}$ miles north	Will Wendell	--	1900	19	2	--
146	3 $\frac{1}{2}$ miles north	L. Henerman	--	1937	20	2	--
147	3 $\frac{3}{4}$ miles north	John H. Burlson	John H. Burlson	1931	32	6	--
148	do.	Mrs. Wallace Miller	Mrs. Wallace Miller	1928	70	4	--
149	4 miles north	T. E. Sanders	--	1922	65	4	1.6
150	4 $\frac{1}{4}$ miles north	I. Brenner	--McElvin	1929	165	4	1.8
151	13 miles southeast	S. W. Richardson	--	1937	12	2	--
d/152	12 miles southeast	do.	--	1937	11	2	--
d/153	11 $\frac{1}{2}$ miles southeast	do.	--	1937	12	2	--
d/154	10 $\frac{1}{8}$ miles southeast	do.	--	1937	12	--	--
d/155	10 $\frac{1}{2}$ miles east	do.	--	1937	10	2	--
d/156	9 $\frac{1}{2}$ miles east	do.	--	--	12	2	--
d/157	8 $\frac{1}{4}$ miles east	do.	--	1937	12	2	--
d/158	do.	do.	--	1937	10	2	--
d/159	7 $\frac{1}{2}$ miles southeast	do.	--	--	12	2	--
d/160	6 $\frac{3}{4}$ miles southeast	do.	--	1937	12	2	--
d/161	7 $\frac{1}{2}$ miles southeast	do.	--	1937	12	2	--
d/162	7 miles southeast	do.	--	--	12	2	--
166	7 $\frac{1}{2}$ miles southeast	do.	--	1937	8	2	--
167	7 miles southeast	do.	--	1937	12	2	--

Carl E. Johnson, Project Superintendent

No.	Water level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (ft.)	Date of measurement			
138	16	e/	C, 7	D	Reported dependable supply. Cased to bottom.
139	6	e/	C, E, $\frac{1}{4}$	D	Used by Tourist Camp. Cased to bottom.
140	6	e/	C, E	D, Ind	Used by Fish and Oyster Company.
141	--	--	C, H	D, S	Sand-point well.
143	--	--	C, H	D, S	Do.
144	10	e/	C, G	D, S, P	Used by cafe and service station. Was drilled to 85 feet. Sand from 0 to 65 feet with 3-inches of clay at 10 feet, streaks of shells at 18 feet and
145	5	e/	C, H	D, S	Reported 27 feet; blue clay from 65 to 85 feet. dependable supply. Cased to bottom.
146	10	e/	C, E, $\frac{1}{4}$	D	Do.
147	15	e/	C, W	D	Cased to bottom.
148	10	e/	C, E, $\frac{1}{4}$	D	Reported dependable supply. Cased to bottom.
149	12.0	Aug. 28, 1939	C, E, $\frac{1}{2}$	D	Do.
150	17.8	do.	C, W	D	Reported dependable supply. Irrigates two acres.
151	5	e/	C, W	S	
152	4	e/	C, W	S	
153	5	e/	C, W	S	
154	4	e/	C, W	S	Known as the "North Ranch Well".
155	4	e/	C, W	S	Water has yellow color.
156	5	e/	C, W	S	Do.
157	5	e/	C, W	S	Do.
158	5	e/	C, W	S	Do.
159	5	e/	C, W	S	Do.
160	4	e/	C, W	S	Do.
161	5	e/	C, W	S	Do.
162	6	e/	C, W	S	Do.
166	5	e/	C, W	S	Do.
167	5	e/	C, W	S	Water has yellow color. Supplies water for 15 head of horses.

Records of wells in Aransas County--Continued

No.	Distance from Rockport	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
168	7 $\frac{1}{4}$ miles southeast	S. W. Richardson	--	1937	10	2	--
169	7 $\frac{1}{2}$ miles southeast	do.	Clyde Townsend	1939	29	2	-
170	7 $\frac{1}{4}$ miles southeast	do.	do.	1939	30	2	--
171	do.	do.	do.	1939	29	2	--
172	7 $\frac{1}{2}$ miles southeast	do.	do.	1939	29	2	--
173	7 $\frac{1}{4}$ miles southeast	do.	--	1937	18	2	--
174	8 miles southeast	do.	--	--	12	2	--
175	9 miles south	do.	--	1937	12	2	--
d/176	9 miles southwest	Bert Dunn	Conservation Oil Co.	1938	7,150	7	--
d/177	8 $\frac{3}{4}$ miles southwest	--McCampbell	Buckingham Oil Co.	1937	6,560	7	--
d/178	8 miles southwest	E. Murray	Bagdad Production Co.	1938	7,220	7	--
d/179	9 $\frac{1}{2}$ miles southwest	--	--	--	236	--	--
d/180	9 $\frac{1}{4}$ miles south	--	--	--	296	--	--
d/181	7 miles south	--	--	--	264	--	--
d/182	8 $\frac{1}{4}$ miles southwest	Spreigel & Richardson	--	1937	172	--	--
d/183	8 $\frac{1}{2}$ miles south	do.	--	1937	60	--	--
d/184	7 $\frac{1}{4}$ miles southwest	Atlantic Oil Co.	Lloyd Richardson	1937	151	6	--
d/185	7 $\frac{1}{2}$ miles southwest	do.	do.	1937	147	6	--
d/186	7 $\frac{1}{4}$ miles southwest	do.	A. H. Masiren	1937	124	5 $\frac{1}{2}$	--
d/187	9 $\frac{1}{2}$ miles southwest	W. R. Irwin	H. Baker	1931	60	4	1

No.	Distance from Lamar	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
203	5 miles southwest	State Highway Department	--	1934	40	4	--
204	do.	E. Jackson	--	1937	20	2	--

a/ Measuring point usually top of casing, top of pipe clamp or well curb. Minus (-) sign indicates measuring point was below ground level.

b/ B, bucket, C, cylinder; W, windmill; H, hand pump; G, gasoline; GL, gas lift; E, electric; number indicates horsepower.

No.	Water level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (ft.)	Date of measurement			
168	5	e/	C,W	D,S	
169	5	e/	C,W	D	Sand-point well.
170	5	e/	C,W	D	Do.
171	6	e/	C,W	D	Do.
172	7	e/	C,W	D	Do.
173	5	e/	C,W	D,S	Water has yellow color.
174	5	e/	C,W	S	
175	6	e/	C,W	S	Reported dependable supply. 18 wells on St. Joseph Island supplies water for 1,300 head of
176	--	--	--	--	Oil test. See log. <u>cattle.</u>
177	--	--	--	--	Do.
178	--	--	--	--	Do.
179	--	--	--	--	Humble Oil and Refining Company test well 972. Reported altitude 10 feet.
180	--	--	--	--	Humble Oil and Refining Company test well 974. Reported altitude 7 feet.
181	--	--	--	--	Humble Oil and Refining Company test well 975. Reported altitude 8 feet.
182	12	e/	GL	*--	Group of six wells. Pumped by means of gas lift. Reported drawdown 28 feet.
183	8	c/	--	--	Group of five wells. Pumped by means of gas lift. Reported drawdown 10 feet.
184	18+	e/	C,W	D,S	Gravel packed. Steel casing with two bottom joints perforated.
185	18+	e/	C,W	D,S	Do.
186	18	e/	C,W	D	Bottom 30 feet of casing perforated.
187	16.3	Sept. 15, 1939	C,W	D	Cased to bottom.

No.	Water level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (ft.)	Date of measurement			
203	17	c/	C,W	D	Reported dependable supply. Cased to bottom.
204	10	e/	C, <u>1</u> 4 E,	D	Do.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.
 d/ No water sample collected for analysis.
 c/ Water level reported; not measured.

Records of wells in Arenas County--Continued

No.	Distance from Lamar	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
208	$\frac{1}{8}$ mile northwest	J. B. Hurd	--	1932	50	4	--
209	$\frac{1}{4}$ mile northwest	J. W. Mills	--	1931	67	4	1.3
210	$\frac{1}{8}$ mile west	J. B. Hurd	--	1939	72	6	--
211	In Lamar	do.	C. E. Euton	1939	1,035	--	--
212	$\frac{1}{4}$ mile southwest	do.	do.	1938	34	4	--
213	do.	B. Kruger	--	1932	55	6	3.2
214	$\frac{1}{8}$ mile south	Stalla Maria Mission House	--	1930	75	4	--
215	$\frac{1}{4}$ mile southeast	Texas State Park Board	Texas State Park Board	1936	72	4	--
d/219	1 $\frac{1}{2}$ miles southeast	K. Edwards	A. M. Barnsdall Oil Co.	1937	797	13	--
220	1 $\frac{1}{2}$ miles east	Mrs. L. Robinson	C. E. Rico	1931	552	3	--
221	do.	R. S. Jonsen	R. S. Johnson	1925	50	3	2.0
226	1 $\frac{1}{2}$ miles north	do.	--	1932	65	4	--
227	1 $\frac{1}{4}$ miles north	do.	R. S. Johnson	1933	70	4	1.6
228	do.	Preston Paul	-- McElroy	1937	185	4	2.3
d/234	5 $\frac{1}{2}$ miles north	J. M. Tatton	--	--	1,000	6	--
d/235	7 $\frac{1}{2}$ miles northwest	do.	--	--	850	6	--
d/236	7 $\frac{1}{2}$ miles northwest	do.	--	--	830	6	--
d/237	9 miles northwest	do.	-- Richer	1933	1,201	6	--
d/238	10 miles northwest	do.	--	--	370	6	--
d/239	9 $\frac{1}{4}$ miles north	do.	--	--	240	8	--
d/240	8 miles north	J. H. Meridith	J. O. Linney	--	260	8	--
d/241	7 $\frac{1}{2}$ miles north	J. H. Tatton	do.	--	60	8	--
d/242	10 miles north	do.	do.	--	240	8	--

a/ Measuring point usually top of casing, top of pipe clamp or well curb. Minus (-) sign indicates measuring point was below ground level.

b/ B, bucket; C, cylinder; W, windmill; H, hand pump; G, gasoline; CL, gas lift; E, electric; number indicates horsepower.

Carl E. Johnson, Project Superintendent

No.	Water level Depth below measuring point (ft.)	Date of measur- ment	Pump and power b/ c/	Use of water c/ y	Remarks
208	19	<u>e/</u>	C,W	S	Supplies water for 100 head of cattle. Cased to bottom.
209	32.1	Oct. 2, 1939	C,W	D	Reported strong supply. Cased to bottom.
210	16	<u>e/</u>	C,W	D	Supplies water for 24 tourist cottages. Cased to bottom.
211	--	Oct. 2, 1939	None	-	See log.
212	10	do.	C,W	D,S	Reported dependable supply. Cased to bottom.
213	12.3	do.	C,W	D,S	Do.
214	12	do.	C,W	D,S	Supplies water for Church and Mission. Cased to bottom.
215	15	<u>c/</u>	C,E	D,S,P	Supplies water for tourists to Goose Island. Cased to bottom.
219	--	--	--	--	Oil test. See log.
220	7	<u>e/</u>	C,W	D	Supplies water for six cottages. Cased to bottom.
221	6.0	Sept. 26, 1939	C,W	D,S	Reported strong supply. Cased to bottom.
226	21	<u>e/</u>	C,W	S	Supplies water for 50 head of cattle. Cased to bottom.
227	17.2	Sept. 28, 1939	C,W	S	Reported strong supply. Cased to bottom. Bitter taste.
228	22.8	Sept. 26, 1939	C,W	S	Slightly salty. Supplies water for 100 head of cattle. Cased to bottom.
234	Flows	--	--	S	Measured yield, $3\frac{1}{2}$ gallons a minute. Known as the "Bay Well". Steel casing with screen at bottom.
235	Flows	--	--	S	Reported yield, 25 gallons a minute. Known as the "Smith Well". Steel casing with screen at bottom.
236	Flows	--	--	S	Measured yield, $5\frac{1}{2}$ gallons a minute. Known as the "Winsor Well". Steel casing with screen at bottom.
237	Flows	--	--	S	Reported yield, 35 gallons a minute from sand from 1,175 to 1,200 feet. Known as the "Risher Well".
238	Flows	--	--	S	Reported yield, 25 gallons a minute. Known as the "Cashus Well". Steel casing with screen at bottom.
239	15	<u>e/</u>	C,W	S	Known as the "Ped Well". Reported flow from sand from 220 to 240 feet. Steel casing with screen at bottom.
240	13	<u>e/</u>	C,W	S	Known as the "Bridge Well". Sand from 230 to 260 feet. Steel casing with screen at bottom.
241	10	<u>e/</u>	C,W	S	Known as the "Barrel Tree Bend Well". Sand from 40 to 60 feet. Steel casing with screen at bottom.
242	15	<u>e/</u>	C,W	S	Known as the "Willow Well". Sand from 220 to 240 feet. Steel casing with screen at bottom.

e/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.

d/ No water sample collected for analysis.

c/ Water level reported; not measured.

Table of Drillers' Logs, Aransas County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 28</u>		
Humble Oil and Refining Company, Mc-Campbell water well 5, 6 $\frac{1}{2}$ miles southwest of Rockport.		
Sandy gray clay	14	14
Fine gray sand	10	24
Light-gray and yellow clay	2	26
Fine blue clay	6	32
Light-gray and yellow clay	6	38
Fine gray sand	10	48
Light-gray and yellow clay	1	49
Fine gray sand	3	52
Hard reddish-brown clay	16	68
Hard gray and reddish-brown clay	22	90
Fine brownish-gray sand	11	101
Reddish-brown clay	26	127
Reddish-brown and dark-blue clay	13	140
Dark-blue clay	16	156
Dark-blue and greenish-yellow clay	16	172
Sky-blue and reddish-brown clay	37	209
Fine blue and red sand	17	226
Sky-blue and whitish-yellow clay	1	227
Fine blue and red sand	7	234
Sky-blue and whitish-yellow clay	1	235
Fine blue and red sand	8	243
Sky-blue and whitish-yellow clay	6	249
Fine blue and red sand	1	250
Sky-blue and whitish-yellow clay	16	266
TOTAL DEPTH		266

	Thickness (feet)	Depth (feet)
<u>Well 51</u>		
Humble Oil and Refining Co. Well, 5 miles southwest of Rockport.		
Fine gray terrace sand	4	4
Light, blue-gray clay	3	7
Fine gray terrace sand	2	9
Light, blue-gray clay	1	10
Fine clear blue sand	29	39
Light, blue-gray and yellow clay with shells	14	53
Fine gray sand	1	54
Light, blue-gray clay	3	57
Fine gray sand	15	72
Reddish-brown clay	18	90
Dark-blue clay	9	99
Fine gray sand	5	104
Light, blue-gray and yellow clay	6	110

	Thickness (feet)	Depth (feet)
<u>Well 51--Continued</u>		
Fine gray sand	2	112
Light, blue-gray and yellow clay	8	120
Fine gray sand	9	129
Reddish-brown clay	7	136
Yellow and brown clay	4	140
Reddish-brown clay	1	141
Yellow and brown sand	7	148
Dark-blue clay	11	159
Fine clear blue and red sand	9	168
Dark-blue clay and shells	4	172
Fine clear blue and red sand	2	174
Dark-blue clay and shells	6	180
Fine clear blue and red sand	6	186
Dark-blue clay and shells	2	188
Fine clear blue and red sand	13	201
Dark-blue and yellowish-green clay	11	212
Fine clear blue, red sand	12	224
Sky-blue and yellowish-white clay	22	246
White and yellow clay	30	276
Fine gray sand	10	286
TOTAL DEPTH		286

	Thickness (feet)	Depth (feet)
<u>Well 72</u>		
A. L. Dietzel No. 1, center of 105 34, blk. 4, John Smith Survey, American Oil Company, 2 $\frac{1}{4}$ miles west of Rockport.		
Surface sand and shell	83	83
Sand	57	140
Sand and boulders	50	190
Shale	70	260
Sand	85	345
Shale	155	500
Shale and boulders	60	560
Sand and shale	82	642
Sand	46	688
Caliche	33	721
Sand	29	750
Caliche	107	857
Sticky shale	28	885
Shale	21	906
Sand	11	917
Sticky shale	233	1150
Sand and shale	20	1170
Sticky shale	100	1270
Sand	3	1273
Water sand and shale	18	1291
Sticky shale	39	1330
Sand and shale	22	1352
Sticky shale	8	1360
Gumbo	45	1405

(Continued on next page)

Table of Drillers' Logs, Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 72--Continued</u>		
Sand	7	1412
Shale	3	1415
Sand	5	1420
Sticky shale	24	1444
Sand and sandy shale	25	1469
Sticky shale	14	1483
Sand	7	1490
Sticky shale	62	1552
Gummy shale	39	1591
Lime and shale	20	1611
Hard sandy sticky shale	9	1620
Water sand	19	1639
Gummy shale	8	1647
Sand	2	1649
Sand and fresh water	6	1655
Shale	4	1659
Sand	2	1661
Gumbo	16	1677
Sand and salt water	11	1688
Sticky shale and lime	12	1700
Sand and salt water	14	1714
TOTAL DEPTH - ?		
CASING RECORD: 1,025 feet of 10-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Well 177</u>		
McC Campbell tract, near center of 40 acre B lease. Buckingham Oil Company, No. B-1 well, 8-3/4 miles southwest of Rockport.		
Sandy clay	100	100
Broken sand, shale, and shells	235	335
Sand, shale, and shells	275	610
Lime and boulders	336	946
Shale and boulders	281	1227
Sticky shale and boulders	20	1247
Sticky shale	243	1490
Hard sandy shale and boulders	349	1839
Sticky shale with lime streaks	276	2115
Broken lime and shale	35	2150
Sticky shale	254	2404
TOTAL DEPTH		6557
CASING RECORD: 1,179 feet of 10 ⁵ / ₄ -inch and 6,557 feet of 7-inch casing; 33 feet of 5-inch lines and 6,547 feet of 2-inch lines; 20 feet of 1-inch screen.		

	Thickness (feet)	Depth (feet)
<u>Well 210</u>		
J. B. Hurd tract, $\frac{1}{2}$ mile west of Lamar.		
Sand	18	18
Clay	4	22
Sand	6	28

	Thickness (feet)	Depth (feet)
<u>Well 210--Continued</u>		
Clay	12	40
Sand	10	50
Clay	15	65
Sand	7	72
TOTAL DEPTH		72
CASING RECORD: 72 feet of 6-inch casing; 4-inch liner; 8-gauge screen set at 72 feet.		

	Thickness (feet)	Depth (feet)
<u>Well 211</u>		
J. B. Hurd tract, in Lamar.		
Sand	18	18
Clay	4	22
Sand	6	28
Clay	12	40
Sand	10	50
Clay	15	65
Sand	7	72
Gumbo	78	150
Shale and shell	170	320
Fine sand	16	336
Sand and shale	99	435
Sand	9	444
Gumbo	62	506
Sand	6	512
Shale	12	524
Sand	6	530
Gumbo and shell	117	647
Sand	12	659
Gumbo	11	670
Sand	8	678
Gumbo	54	732
Sand	24	756
Gumbo	60	816
Sand	5	821
Sandy shale	19	840
Sand	30	870
Gumbo	150	1020
Sand	16	1036
TOTAL DEPTH		1036
CASING RECORD: 756 feet of 6-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Well 212</u>		
J. B. Hurd tract, C. E. Euton driller, $\frac{1}{2}$ mile southwest of Lamar.		
Sand	15	15
Clay	7	22
Sand	12	34
TOTAL DEPTH		34
CASING RECORD: 34 feet of 4-inch casing. 8-gauge screen set at bottom.		

Table of Drillers' Logs, Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 208</u>		
J. B. Hurt tract, $\frac{1}{2}$ mile northwest of Lamar.		
Surface soil	2	2
Clay	13	15
Sand	5	20
Clay	4	24
Sand	4	28
Clay	4	32
Sand	8	40
Clay	5	45
Sand	5	50
TOTAL DEPTH		50

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
J. B. Hurd tract, C. E. Euton driller, $\frac{1}{4}$ mile southwest of Lamar.		
Sand	8	8
Clay	14	22
Sand	12	34
Clay	31	65
Sand	7	72
TOTAL DEPTH		72
CASING RECORD: 72 feet of 6-inch casing, with 4-inch 10-gauge screen set at the bottom.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
Kate Edwards No. 1, Barnsdall Oil Co., $\frac{1}{4}$ miles southeast of Lamar.		
Sand and surface clay	27	27
Sand and clay	86	113
Surface clay	360	473
Sticky clay, wet shells and hard sand	152	625
Shells and sticky clay	276	901
Sticky shale, wet sand and gravel	221	1122
Sticky shale and shells	205	1327
Sticky shale	3	1330
Shale	148	1478
Shells and sticky shale	346	1824
Shale and wet sand	235	2059
TOTAL DEPTH		7997
CASING RECORD: 100 feet of 20-inch, and 1,317 feet of 13-inch casing.		

Logs of test wells drilled by W. P. A. labor in Aransas County, Texas
 Samples examined and classified by Carl E. Johnson
 Project Superintendent

	Thickness (feet)	Depth (feet)
<u>Well 3</u>		
J. A. Rogers tract, on Egry Island, 10 $\frac{1}{2}$ miles west of Rockport. Altitude, 12.1 feet.		
Black soil	5	5
White clay	11	16
Yellow clay and shell	4	20
Hard shell	3	23
Yellow clay	28	51
White sand	18	69
Shell and caliche	8	77
Bluish-black clay	3	80
Hard gray sand	2	82
Brown clay and shell	24	106
Gray sand	11	117
Water samples taken at 20, 28, 51, 58, 60, 70, 74, 80, 82, 109, 110, 112, and 113 feet. Water level, 16 feet below top of ground, 24 hours after hole completed. July 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 20</u>		
B. Grant tract, on the shore of Puerto Bay, 7 $\frac{1}{2}$ miles west of Rockport. Altitude, 5.1 feet.		
Black gumbo	3	3
Yellow clay	4	7
Clay and gypsum	2	9
Clay, sand, and water	8	17
Gray sand and pebbles	10	27
Yellow clay	6	33
Soft white sand	7	40
Water samples taken at 14, 16, 25, 28, and 40 feet. Water level, 5.5 feet below top of ground, 24 hours after hole completed. May 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 21</u>		
B. Grant tract, 7 $\frac{1}{2}$ miles southwest of Rockport. Altitude, 7.8 feet.		
Sandy clay	1	1
Hard sand and caliche	3	4
Brown clay and caliche	2	6
Yellow sand and caliche	2	8
Gray sand and hard rock	23	31
Yellow clay	1	32
Gray clay	4	36
Hard gray sand and caliche	3	39
Caliche	4	43
Yellow sand and caliche	3	46
Soft yellow sand and shell	5	51
Sandy brown clay	17	68
Blue clay	4	72

	Thickness (feet)	Depth (feet)
<u>Well 21--Continued</u>		
Blue sand	2	74
Water samples taken at 10, 13, 15, 18, 21, 30, 39, 42, 45, 48, 51, 54, 57, 64, and 74 feet. Water level, 10 feet below top of ground, 24 hours after hole completed. May 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 22</u>		
Grant and Jennings tract, 7 miles southwest of Rockport. Altitude, 9.0 feet.		
Sand	2	2
Gray clay	7	9
Caliche	2	11
Sand, boulder and gypsum	15	26
Salty white sand	3	29
Red sand	2	31
Shell and sand	1	32
White sand	3	35
Grayish-yellow clay	7	42
Salty white sand	2	44
Caliche and boulders	2	46
White sand	4	50
Red sand	11	61
Pink clay	6	67
White clay	3	70
Hard white clay	10	80
Sand and water	3	83
Water level, 16 feet below top of ground, 24 hours after hole completed. May 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 23</u>		
B. Grant tract, 6 $\frac{3}{4}$ miles southwest of Rockport. Altitude 11.5 feet.		
Black soil	3	3
Yellow clay	5	8
Yellow clay and shell	3	11
Yellow sand	1	12
Yellow sand and rock	6	18
Gray sand and shell	16	34
Hard blue clay	6	40
Clay and rock	2	42
Gray sand and shell	6	48
Hard gray sand	3	51
Gray sandy clay and caliche	7	58
Hard brown clay	9	57
Hard gray clay	13	80
Gray sand and water	4	84
Water samples taken at 38, 40, 46, 50, 81, 82, 83, and 84 feet. Water level, 16 feet below top of ground, 24 hours after hole completed. May 9, 1939.		

Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 25</u>		
Heffner and Jackson tract, $6\frac{3}{4}$ miles southwest of Rockport. Altitude, 12.3 feet.		
Gray sand	1	1
Gray clay and sand	1	2
Hard caliche	9	11
Yellow sand and shell	9	20
Gray sand and shell	12	32
Blue clay	5	37
Hard sand and caliche	4	41
Hard gray sand	11	52
Hard brown clay	26	78
White water sand	4	82
Water samples taken at 26, 32, 38, 43, 48, 52, and 83 feet. Water level, 10 feet below top of ground, 24 hours after hole completed. April 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 27</u>		
Side of county road, $6\frac{1}{2}$ miles southwest of Rockport. Altitude, 15.1 feet.		
White sand	8	8
Sand and shell	10	18
White sand	15	33
Hard brown clay	13	46
Sand and shell	12	58
Sandy brown clay	4	62
Hard gray clay	27	89
White water sand	12	101
Water level, 16 feet below top of ground 24 hours after hole completed. Apr. 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 43</u>		
Side of county road in community of Estes, 6 miles southwest of Rockport. Altitude, 5.0 feet.		
Soil	4	4
Yellow sand	2	6
White sand and water	3	9
White shell	5	14
Blue sand, shell and water	20	34
Blue clay	4	38
Shell	1	39
Gray sand, shell and caliche	16	55
Blue sand and water	2	57
Dark-brown clay	13	70
Soft green clay	3	73
White sand and water	2	75
Water level, 14 feet below top of ground, 24 hours after hole completed. March 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 44</u>		
Side of county road, 6 miles southwest of Rockport. Altitude, 10.2 feet.		
Black soil	4	4
Black sand	1	5
White sand and water	6	11
Blue sand	4	15
Sand and shell	5	20
White sand and shell	15	35
Hard blue sand	6	41
Blue sand and water	8	49
Shell and sand	10	59
Brown clay	9	68
Blue clay	8	76
Yellow clay	18	94
White sand and water	7	101
Water level, 4 feet below top of ground, 24 hours after hole completed. April 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 52</u>		
Side of county road, 6 miles southwest of Rockport. Altitude, 14.9 feet.		
Light-gray sand	17	17
Coarse blue sand	3	20
Blue sand, shell and water	4	24
Gray sand and shell	15	39
Blue sand and caliche	8	47
Gray sandy shell, caliche and water	22	69
Hard blue sandy shell	5	74
Blue clay	8	82
Shell	2	84
Blue clay	1	85
Water samples taken at 21, 47, 70, 82, and 84 feet. Water level, 28 feet below top of ground, 24 hours after hole completed. March 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 53</u>		
Side of county road, 6 miles southwest of Rockport. Altitude, 24.8 feet.		
Gray sand	20	20
Blue sand and water	23	43
Gray sand and water	13	56
Blue clay	1	57
Gray sand	18	75
Brown clay	18	93
White sand	21	114
Sand and pebbles	2	116
Water level, 22 feet below top of ground, 24 hours after hole completed. Mar. 28, 1939.		

Logs of W. P. A. test wells in Aransas County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)	
<u>Well 54</u>				<u>Well 57--Continued</u>				
Side of county road, 6 miles southwest of Rockport. Altitude, 20.1 feet.				Dark-gray sand and shell 6 31				
White sand	2	2	Gray sand and shell	6	37	Blue clay and caliche	4 41	
Brown sand	17	19	Hard blue sand	4	45	Gray sand	8 53	
Blue sand	7	26	Hard gray sand	1	54	Gray sand	2 56	
Hard blue sand and water	1	27	Brown sand	1	57	Gray sand	1 58	
Blue sand	18	45	Gray sand	8	66	Brown clay	14 80	
Blue clay	1	46	Sandy brown clay	14	80	Water samples taken at 31, 34, 37, 45, 51, 53, 58, and 66 feet. Water level, 20 feet below top of ground, 24 hours after hole completed. July 10, 1939		
Blue sand and water	3	49						
Gray clay	1	50						
Gray sand and shell	5	55						
Brown sand	8	63						
Gray sand and water	19	82						
Gray sand and shell	7	89						
Hard brown clay and shell	9	98						
Brownish-blue clay	6	104						
Blue clay	12	116						
Hard blue sand	3	119						
White sand and water	7	126						
Water level, 22 feet below top of ground, 24 hours after hole completed. March 28, 1939.				<u>Well 61</u>				
				A. Knox tract, at edge of Copano Bay, 4 $\frac{1}{2}$ miles west of Rockport. Altitude, 5.2 feet.				
				Gray sand	4	4		
				Gray clay and caliche	7	11		
				Yellow sand and pebbles	5	16		
				Brown sand and rock	12	28		
				Brown clay	9	37		
				Brown clay and shell	6	43		
				Gray sand and shell	5	48		
				Water samples taken at 12, 15, 18, 20, 24, 27, 43, 45, and 48 feet. Water level, 6 feet below top of ground, 24 hours after hole completed. July 17, 1939.				
<u>Well 55</u>				<u>Well 62</u>				
Side of county road, 6 $\frac{1}{2}$ miles southwest of Rockport. Altitude, 4.5 feet.				A. Knox tract, 4 miles west of Rockport. Altitude, 10.1 feet.				
Soil	4	4	White sand	1	1			
Brown sand	3	7	Brown clay	2	3			
White sand	15	22	White clay and caliche	12	15			
Blue sand and water	2	24	Yellow sand	6	21			
Hard blue clay	2	26	Gray sand	7	28			
Blue sand and water	3	29	Brown clay	4	32			
Blue clay	4	33	White clay	9	41			
Gray sand and shell	3	36	Gray sand	5	46			
Gray sand and water	24	60	Sand and boulders	6	52			
White sand and shell	4	64	Brown clay	31	83			
Blue sand and clay	6	70	Gray clay	8	91			
Hard brown clay	26	96	Sand and caliche	2	93			
Brown clay	27	123	Water samples taken at 27, 34, 40, 43, 49, 51, 54, 57, 70, 91, 92, and 93 feet. Water level, 5 feet below top of ground, 24 hours after hole completed. July 1939.					
White water sand	10	133						
Water level, 22 feet below top of ground, 24 hours after hole completed. April 18, 1939.								
<u>Well 57</u>								
Oak Grove School land, 6 miles southwest of Rockport. Altitude, 13.1 feet.								
Gray sand	4	4						
Brown clay and sand	6	10						
Gray sand	2	12						
Grayish-brown sandy clay	4	16						
Gray sand	2	18						
Yellow sand	5	23						
Brown sand	2	25						

Logs of W. P. A. Test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 64</u>		
Z. Roquette tract, $3\frac{1}{4}$ miles west of Rockport. Altitude, 12.7 feet.		
Gray sand	3	3
Caliche and clay	5	8
Fine-grained yellow sand	14	22
Brown sand	11	33
Soft dark-blue clay	31	64
Dark-gray sand	9	73
Blue clay	1	74
Gray water sand	18	92
Water samples taken at 73, 75, 78, 80, 82, 84, 86, and 90 feet. Water level, 7 feet below top of ground, 24 hours after hole completed. June 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 69</u>		
J. Devear tract, $2\frac{1}{2}$ miles west of Rockport. Altitude, 18.0 feet.		
Soil	1	1
Yellow sand	5	6
White clay	4	10
Gray sand	2	12
Dark-blue sand	14	26
Fine-grained blue sand	15	41
Light gray sand	6	47
Brown clay	10	57
Blue clay	36	93
Dark blue sand	5	98
Water samples taken at 14, 29, 35, 42, 92, 93, 94, 95, and 96 feet. Water level, 16 feet below top of ground, 24 hours after hole completed. Sept. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
Side of county road, $2\frac{1}{4}$ miles west of Rockport. Altitude, 19.3 feet.		
Soil	1	1
Dry white sand	20	21
Dry gray sand	17	38
Dry reddish-brown sand	12	50
Soft dark blue clay	60	110
White water sand	5	115
Water samples taken at 26, 110, 112, and 115 feet. Water level, 14 feet below top of ground, 24 hours after hole completed. June 13, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 73</u>		
Side of county road, $1\frac{1}{2}$ miles west of Rockport. Altitude, 26.0 feet.		
Dry white sand	20	20
Fine-grained black sand	27	47
Brown clay	9	56
Hard blue clay	2	58

	Thickness (feet)	Depth (feet)
<u>Well 73--Continued</u>		
Caliche and sand	3	61
Blue sand and boulders	12	73
Brown sand	7	80
Brown clay	8	88
Gray water sand	1	89
White clay	12	101
Hard pink-colored clay	12	113
White water sand	5	118
Water samples taken at 26, 58, 60, 65, 70, 75, 80, 89, 114, 115, 116, 117, and 118 feet. Water level, 19 feet below top of ground, 24 hours after hole completed. June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
Side of county road, 1 mile west of Rockport. Altitude, 15.6 feet.		
Black soil	5	5
Yellow sand	5	10
White sand	8	18
Fine-grained blue sand	7	25
Fine shell	5	30
Fine-grained white sand	8	38
Gray sand and shell	9	47
Hard green sand	11	58
White sand and water	12	70
Brown sand and shell	7	77
Hard brown clay	17	94
White sand, shell and water	3	97
Hard brown clay	3	100
Water samples taken at 22, 27, 38, 52, 55, 65, 70, 75, 77, 94, and 97 feet. Water level, 4 feet below top of ground, 24 hours after hole completed. June 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 76</u>		
Side of county road, $\frac{1}{2}$ mile west of Rockport. Altitude, 10.8 feet.		
Soil	1	1
Yellow sand	5	6
Gray sand	4	10
Black water sand	6	16
Black sand and shell	18	34
Shell	6	40
Blue clay	1	41
White sand and shell	7	48
Hard rock	1	49
White water sand	15	64
Brown clay	10	74
Gray sand and caliche	3	77
Sandy white clay	3	80
Hard brown clay	20	100
(Continued on next page)		

Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 76--Continued</u>		
Gray water sand	11	111
Water samples taken at 20, 28, 35, 40, 50, 55, 60, 63, 65, 77, 79, 81, 108, 109 and 110 feet. Water level, 16 feet below top of ground, 24 hours after hole completed. May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 88</u>		
B. F. Friend tract, corner of Austin and Market Streets, $\frac{1}{2}$ mile south of Rockport. Altitude, 15.6 feet.		
White sand	3	3
Fine-grained gray sand	7	10
Blue sand	26	36
Blue sand and shell	4	40
Hard blue sand	1	41
Soft white sand	4	45
Gray sand	5	50
Blue sand and shell	5	55
Brown sand and shell	5	60
Yellow clay	6	66
Blue clay	12	78
Sandy blue shell	2	80
Blue sand	1	81
Brown clay and caliche	8	89
Hard white clay	26	115
White water sand	5	120
Water samples taken at 20, 22, 33, 35, 39, 42, 47, 50, 55, 58, 64, 78, 80, 84, 117, 118, 119, and 120 feet. Water level, 10 feet below top of ground, 24 hours after hole completed. May 25, 1939		

	Thickness (feet)	Depth (feet)
<u>Well 113</u>		
Side of county road, $4\frac{1}{2}$ miles northwest of Rockport. Altitude, 5.3 feet.		
White sand	3	3
Gray clay	5	8
Hard yellow clay	1	9
Brown sand	5	14
Sandy brown clay	5	19
Brown sand	3	22
Brown clay	5	27
Sandy gray clay	6	33
Gray sand	12	45
Water samples taken at 10, 14, 20, 24, 32, 35, 38, 41, and 44 feet. Water level 12 feet below top of ground, 24 hours after hole completed. Sept. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 114</u>		
Side of county road, $4\frac{1}{4}$ miles northwest of Rockport. Altitude, 7.5 feet.		
Black sand	2	2

	Thickness (feet)	Depth (feet)
<u>Well 114--Continued</u>		
Brown clay	7	9
Yellow sand	11	20
Yellow clay	8	28
Red clay	5	33
White clay	5	38
Hard white clay	1	39
Sand and caliche	9	48
Red clay	15	63
Gray clay	2	65
Water samples taken at 20, 39, 42, 45, 48, and 51 feet. August 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 115</u>		
B. Johnson tract, $3\text{-}3/4$ miles northwest of Rockport. Altitude, 8.0 feet.		
Black soil	2	2
Yellow clay and sand	7	9
Yellow sand	2	11
Brown sand	10	21
Brown clay	1	22
Brown sand and clay	5	27
Brown sand	1	28
Gray sand and clay	3	31
Brown sand and yellow clay	1	32
Hard brown sand	2	34
Gray clay	1	35
Brown sand and clay	17	52
Brown sand and caliche	3	55
Brown clay	5	60
Yellow sand, clay and caliche	3	63
Yellow clay	5	68
Gray sand and caliche	7	75
Water level, 5 feet below top of ground, 24 hours after hole completed. August 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 117</u>		
P. Jones tract, $3\frac{1}{2}$ miles northwest of Rockport. Altitude, 11.3 feet.		
Black soil	2	2
Brown clay	3	5
White clay	10	15
White sand and shell	6	21
Red clay	6	27
Red sand and shell	2	29
Red clay	2	31
White clay	2	33
Brown clay	7	40
Gray sand	1	41
Brown sand	9	50
Brown clay	5	55
Brown sand and shell	2	57
Brown clay	12	69

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Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 117--Continued</u>		
Hard brown clay	10	79
Blue sand and rock	4	83
Water samples taken at 16, 18, 21, 28, 30, 40, 43, 46, 49, 56, 70, 73, 76, 78, 82, and 83 feet. Water level, 8 feet below top of ground, 24 hours after hole completed. August 16, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 119</u>		
B. Rossell tract, $3\frac{1}{4}$ miles northwest of Rockport. Altitude, 15.6 feet.		
White sand	1	1
Gray sand and caliche	1	2
Brown sand and clay	1	3
Gray sand and caliche	10	13
Brown clay and caliche	3	16
Yellow sand	11	27
Dark-yellow sand	6	33
Dark-gray sand and shell	1	34
Brown and blue clay	8	42
Gray sand and caliche	4	46
Hard blue sand	2	48
Hard white sand	4	52
Sandy brown clay	6	58
Brown sand	2	60
Brown clay and shell	6	66
Gray clay and caliche	7	73
Caliche	1	74
Blue clay	24	98
Gray sand	5	103
Water level, 9 feet below top of ground, 24 hours after hole completed. August 16, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 125</u>		
W. M. Fisher tract, $2\text{-}3\frac{1}{4}$ miles northwest of Rockport. Altitude, 19.5 feet.		
Dark soil	1	1
White sand	4	5
Coarse-grained yellow sand	5	10
Sandy yellow clay	6	16
Fine-grained gray sand	9	25
Blue gray sand	20	45
Shell	2	47
Hard gray sand	1	48
Shell	1	49
Hard yellow sand	1	50
Hard white sand	7	57
Sandy white clay	3	60
Sandy red clay	6	66
Hard red clay	7	73
White clay	2	75
White sand and clay	3	78
Yellow clay	2	80

	Thickness (feet)	Depth (feet)
<u>Well 125--Continued</u>		
Yellow sand	4	84
White sand and clay	3	87
Brown clay and caliche	3	90
Hard sandy white clay	5	95
Brown clay	2	97
Yellow clay and sand	6	103
Red sand	6	109
Water level, 11 feet below top of ground, 24 hours after hole completed. August 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 129</u>		
Side of county road, $2\frac{1}{2}$ miles northwest of Rockport. Altitude, 22.3 feet.		
White sand	22	22
Blue sand	5	27
Fine-grained gray sand	33	60
Blue clay	6	66
Gray sand	10	76
Hard sandy gray clay	26	102
Gray sand	4	106
Water samples taken at 26, 31, 46, 49, 53, 56, 59, 68, 70, 72, 75, 102, 103, 104, 105, and 106 feet. Water level, 11 feet below top of ground, 24 hours after hole completed. August 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 130</u>		
Side of county road, $2\frac{1}{4}$ miles north of Rockport. Altitude, 20.6 feet.		
White sand	20	20
Gray sand	18	38
Gray sand and shell	7	45
Fine-grained gray sand and shell	14	59
Gummy blue clay	5	64
Gray sand and shell	2	66
Blue clay	4	70
Soft blue clay	16	86
Fine-grained blue water sand	5	91
Water samples taken at 25, 30, 35, 40, 45, 55, 60, 65, 66, 70, 86, 87, 88, 89, 90, and 91 feet. Water level, 11 feet below top of ground, 24 hours after hole completed. August 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 131</u>		
Side of county road, $2\frac{1}{4}$ miles north of Rockport. Altitude, 17.1 feet.		
Blacksoil	1	1
White sand	3	4
Yellow sand	3	7
Gray sand	7	14
(Continued on next page)		

Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 164--Continued</u>		
Brown clay and caliche	2	41
Sandy brown clay	1	42
Caliche	1	43
Hard yellow sand	1	44
Yellow sand and pebbles	2	46
Yellow sand and rock	5	51
Brown sand	1	52
Hard gray sand and shell	9	61
Hard gray sand	4	65
Gray sand and shell	4	69
Hard brown clay	7	76
Hard sandy brown clay	2	78
Hard brown sand	1	79
Fine-grained gray sand	2	81
Fine-grained green sand	5	86
Hard green sand	1	87
Green sand and shell	8	95
Brown sand and shell	3	98
Water samples taken at 21, 25, 28, 31, 33, 37, 42, 45, 46, 48, 51, 54, 57, 60, 63, 66, 69, 71, 77, 87, 90, 93, 96, and 98 feet. Water level, 20 feet below top of ground, 24 hours after hole completed. June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 165</u>		
S. W. Richardson tract, near the southwest side of St. Josephs Island, 6½ miles southeast of Rockport. Altitude, 5.2 feet.		
Gray sand and shell	3	3
Gray sand	4	7
Yellow sand	5	12
Gray sand and shell	3	15
Blue sand and shell	5	20
Gray sand and water	18	38
Gray sand and shell	16	54
Yellow sand and shell	3	57
Yellow sand and caliche	2	59
Yellow sand and shell	9	68
Yellow sand and clay	1	69
Hard brown clay	12	81
Sandy hard brown clay	2	83
Hard green sand	1	84
Soft green sand	10	94
Brown sand and shell	5	99
Gray sand and shell	3	102
Blue sand and shell	3	105
Water samples taken at 14, 16, 28, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 80, 82, 84, 88, 90, 92, 94, 96, 98, 100, 102, and 104 feet. Water level, 31 feet below top of ground, 24 hours after hole completed. May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 200</u>		
Side of county road on nine mile point, 3½ miles southwest of Lamar.		
White sand	26	26
Gray sand	5	31
Hard gray sand	5	36
Sandy gray clay	3	39
Hard sandy gray clay	3	42
Sandy yellow clay	2	44
Gray sand and shell	5	49
Yellow sand and shell	3	52
Light-gray sand	2	54
Dark-gray sand	4	58
Sandy brown clay	15	73
Blue clay	29	102
Hard blue sand	1	103
Blue silt	2	105
Water samples taken at 32, 57, 66, 90, 102, and 105 feet. Water level, 35 feet below top of ground, 24 hours after hole completed. December 12, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 201</u>		
Side of county road on nine mile point, 3½ miles southwest of Lamar.		
Black soil	1	1
White sand	8	9
Gray sand	4	13
Yellow sand	1	14
Gray sand	6	20
Brown clay	3	23
Green clay	3	26
White sand	7	33
White sand and shell	5	38
Shell	2	40
Gray sand	6	46
Brown clay	2	48
Gray sand	4	52
Shell	1	53
Gray sand	11	64
Brown clay	4	68
Blue clay	9	77
Gray sand	3	80
Blue clay	4	84
Water samples taken at 26, 32, 40, 44, 52, 57, 64, 77, and 81 feet. December 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 202</u>		
Side of county road on nine mile point, 3½ miles southwest of Lamar.		
White sand	22	22
Blue sand	2	24
White sand	2	26
(Continued on next page)		

Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 223</u>		
E. J. Condon tract, center of lot 125, Echlitz subdivision on Lamar Peninsula, $1\frac{1}{4}$ miles east of Lamar.		
Sandy gray loam	4	4
White sand	2	6
Light-gray sand	19	25
Dark-gray sand	8	33
Brown sand	7	40
Hard brown sand	6	46
Sandy blue clay	10	56
Gray sand	3	59
Water samples taken at 14, 26, 29, 32, 35, 38, 40, 56, and 59 feet. Water level 10 feet below top of ground, 24 hours after hole completed. October 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 224</u>		
State Park Board tract, near large tree, $1\frac{1}{2}$ miles east of Lamar.		
White sand	5	5
Brown sand	25	30
Blue sand	11	41
Brown clay	4	45
Blue sand and shell	3	48
Brown clay	2	50
Hard blue sand	10	60
Gray water sand	5	65
Water samples taken at 22, 61, 62, 63, 64, and 65 feet. Water level, 7 feet below top of ground, 36 hours after hole completed. October 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 225</u>		
E. J. Condon tract, center lot 139, Echlitz subdivision, Lamar Peninsula, $1\frac{5}{8}$ miles northeast of Lamar.		
Sandy gray loam	3	3
Gray sand	3	6
White sand	10	16
Hard gray sand	1	17
Light-gray sand	21	38
Dark-gray sand	4	42
Hard brown sand	6	48
Hard blue sand and caliche	13	61
Gray sand	4	65
Water samples taken at 21, 24, 27, 30, 33, 36, 39, 42, 60, 61, 62, 63, 64, and 65 feet. Water level, 10 feet below top of ground, 36 hours after hole completed. September 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 229</u>		
Preston Paul tract, center of north side of Brundett survey southwest of Lamar Peninsula, $2\frac{1}{4}$ miles north of Lamar. Altitude 9.3 feet.		
Gray sand	2	2
Brown sand	1	3
Sandy brown clay	4	7
Gray clay and caliche	8	15
Brown sand and caliche	5	20
Brown clay	5	25
Brown sand	1	26
Pink clay	7	33
Gray sand and clay	4	37
Gray clay	3	40
Gray sand	7	47
Brown sand and rock	2	49
Sandy brown clay and rock	3	52
Brown sand	1	53
Brown clay	5	58
Gray clay	2	60
Water samples taken at 15, 18, 21, 26, 31, 34, 41, 44, 47, and 54 feet. Water level, 8 feet below top of ground, 24 hours after hole completed. September 12, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 230</u>		
Preston Paul tract northwest corner of Hallinan survey, southwest end of Lamar Peninsula, $2\frac{1}{4}$ miles north of Lamar. Altitude, 14.1 feet.		
Gray sand	1	1
White sand	1	2
Brown sand	1	3
Sandy brown clay	5	8
White sand and clay	4	12
Brown clay and caliche	5	17
Sandy red clay	10	27
Red clay	4	31
White clay	14	45
White sand	6	51
Brown clay	6	57
Yellow sand	14	71
Blue clay	1	72
White sand	3	75
Blue clay	1	76
Gray sand	7	83
Brown clay	21	104
Gray sand	5	109
Water samples taken at 26, 31, 46, 51, 69, 75, 78, 81, 84, 100, 104, 105, 106, 108 and 109 feet. Water level, 9 feet below top of ground, 35 hours after hole completed. September 12, 1939.		

Logs of W. P. A. test wells in Aransas County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 231</u>		
Preston Paul tract, north side of Hallinan survey, $2\frac{1}{2}$ miles northeast of Lamar. Altitude, 23.8 feet.		
Black soil	1	1
White sand	5	6
Yellow clay	2	8
Hard gray sand	4	12
Gray sand and clay	3	15
Gray sand	5	20
Red clay and sand	10	30
Brown clay	1	31
Shell	1	32
Brown clay	6	38
White clay	6	44
Hard white sand	6	50
Yellow sand and caliche	3	53
Hard red sand	8	61
Hard white clay	25	86
White sand	3	89
Water level, 10 feet below top of ground, 24 hours after hole completed. September 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 232</u>		
Preston Paul tract, north side of Hallinan survey, $2\frac{3}{4}$ miles northeast of Lamar. Altitude, 18.9 feet.		
White sand	3	3
Gray sand	3	6
Sandy red clay	10	16
Red sand	2	18
Sandy red clay	7	25
Red sand	5	30
Red clay	4	34
Blue clay	11	45
Sandy red clay	4	49
Blue sand	3	52
Hard blue sand	4	56
Red clay	5	61
Blue clay and caliche	5	66
Blue sand and clay	2	68
Brown clay	17	85
Water samples taken at 23, 50, 52, and 78 feet. October 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 233</u>		
Preston Paul tract, north side of Hallinan survey, 3 miles northeast of Lamar. Altitude, 14.2 feet.		
Sandy gray loam	5	5
Light gray sand	5	10
Gray clay	3	13
Yellow sand	3	16
Gray clay	4	20
Yellow sand	3	23
Gray clay	1	24
Gray sand	6	30
Gray sand and shell	11	41
Hard blue sand	6	47
Gray sand	1	48
Hard gray sand	1	49
Gray sand	2	51
Hard gray sand	2	53
Gray sand	1	54
Hard brown sand	3	57
Gray clay	6	63
Sandy gray clay	10	73
Gray sand	5	78
Water samples taken at 20, 23, 25, 29, 33, 37, 41, 48, 50, 54, 73, 74, 75, 76, 77 and 78 feet. Water level, 20 feet below top of ground, 36 hours after hole completed. October 5, 1939.		

Partial analyses of water from wells in Aransas County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and Martin Wieland, Jack Ramsey and James H. Raby, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. Well numbers correspond to numbers in table of well records).

Well	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.)
c/ 1	John Hancock Ins.Co.	300	June 20, 1939	2,594	35	22	961	354	a/	1,400	b/	1.4	179
2	Franklin & Garlin	190	do.	2,390	-	-	-	390	a/	1,320	b/	2.0	-
3	W. P. A. test	20	July 10, 1939	29,017	1,048	724	8,866	641	3,064	15,000	-	-	5,595
3	do.	23	do.	65,852	2,544	2,530	18,457	336	7,641	34,500	-	-	16,760
3	do.	36	July 11, 1939	60,335	-	-	-	336	7,600	31,500	-	-	-
3	do.	51	do.	66,899	2,444	2,683	18,770	317	7,338	35,500	-	-	17,160
3	do.	70	July 13, 1939	101,752	-	-	-	366	8,407	57,250	-	-	-
3	do.	80	July 14, 1939	108,110	3,124	3,819	32,373	378	8,608	60,000	-	-	23,510
3	do.	109	July 17, 1939	26,616	1,207	774	7,920	226	504	16,100	-	-	6,197
3	do.	117	July 18, 1939	26,693	1,132	786	7,963	232	444	16,200	-	-	6,185
4	Rincon Inv. Co.	750	June 20, 1939	3,232	18	5	1,271	366	55	1,750	b/	1.5	68
5	do.	175	do.	2,675	28	19	1,006	378	a/	1,435	b/	-	147
c/ 6	do.	170	do.	3,612	49	31	1,336	453	10	1,960	b/	1.1	249
7	do.	130	do.	2,949	-	-	-	390	a/	1,680	b/	-	-
8	do.	165	do.	2,615	-	-	-	403	a/	1,460	b/	-	-
9	do.	190	do.	3,327	32	26	1,240	512	117	1,660	b/	-	186
c/ 10	do.	173	June 21, 1939	3,259	32	30	1,208	506	109	1,630	b/	1.2	203
11	do.	182	do.	2,604	37	16	972	372	a/	1,395	b/	-	160
12	do.	175	do.	4,355	60	52	1,570	488	153	2,280	b/	-	362
13	do.	160	do.	2,764	25	15	1,051	390	a/	1,480	b/	-	124
14	do.	196	June 20, 1939	4,125	42	43	1,510	432	173	2,120	b/	-	282
15	do.	190	do.	4,238	49	48	1,557	488	194	2,200	b/	-	320
16	do.	170	do.	4,239	-	-	-	506	207	2,290	b/	-	-
c/ 17	do.	225	do.	4,512	52	53	1,637	464	161	2,380	b/	0.8	348
18	Port Bay Hunting Club	225	May 17, 1939	4,557	58	52	1,650	479	147	2,410	b/	1.0	360
20	W. P. A. test	14	May 2, 1939	44,604	1,332	1,580	13,392	403	2,732	25,360	-	-	9,825

a/ Sulfate less than 10 parts per million.
 b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicar- bonate (HCO ₃)	Sul- fate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
20	W. P. A. test	25	May 5, 1939	64,353	1,668	2,433	19,254	366	4,903	35,900	-	-	14,175
20	do.	40	May 8, 1939	71,700	1,864	2,500	21,743	220	5,640	39,320	-	-	14,940
21	do.	10	May 4, 1939	23,716	708	841	7,086	268	1,795	13,150	-	-	5,230
21	do.	21	May 8, 1939	24,167	-	-	-	183	1,828	13,700	-	-	-
21	do.	31	May 9, 1939	25,885	822	971	7,588	244	2,023	14,350	-	-	6,050
21	do.	42	do.	45,210	-	-	-	342	4,313	24,820	-	-	-
21	do.	51	May 10, 1939	47,161	-	-	-	305	4,541	25,880	-	-	-
21	do.	74	May 12, 1939	36,329	1,794	1,420	9,875	275	2,690	20,400	-	-	10,325
22	do.	16	May 2, 1939	21,660	1,166	837	5,818	317	1,477	12,200	-	-	6,356
22	do.	44	May 4, 1939	22,040	1,254	849	5,856	281	1,439	12,500	-	-	6,624
22	do.	54	do.	19,658	-	-	-	305	1,555	11,000	-	-	-
22	do.	73	May 8, 1939	12,990	930	560	3,142	256	982	7,250	-	-	4,626
22	do.	82	do.	3,307	-	-	-	537	202	1,650	-	-	-
23	do.	27	May 19, 1939	17,689	998	619	4,801	268	1,179	9,950	-	-	5,042
23	do.	41	May 9, 1939	70,756	1,798	2,676	21,188	275	5,544	39,400	-	-	15,500
23	do.	50	May 10, 1939	5,135	500	175	1,198	232	146	3,000	-	-	1,968
23	do.	30	May 12, 1939	988	45	23	316	439	28	360	b/	-	209
c/23	do.	83	May 11, 1939	1,064	52	26	334	427	28	410	b/	1.5	236
c/24	B. Grant	92	May 10, 1939	528	49	9	149	268	a/	180	-	0.4	160
25	W. P. A. test	26	Apr. 27, 1939	14,690	967	465	3,917	189	944	3,300	b/	-	4,327
25	do.	43	Apr. 28, 1939	1,049	85	25	290	293	15	490	b/	-	315
25	do.	52	Apr. 29, 1939	1,017	-	-	-	275	18	490	b/	-	-
25	do.	81	May 3, 1939	731	30	12	246	336	28	250	b/	-	122
26	B. Grant	100	May 10, 1939	631	23	8	223	397	16	166	b/	-	90
27	W. P. A. test	20	Apr. 17, 1939	459	54	15	89	146	96	123	b/	-	199
c/27	do.	42	Apr. 13, 1939	459	52	13	109	220	15	160	b/	0.2	183
27	do.	54	Apr. 25, 1939	514	-	-	-	226	25	188	b/	-	-
27	do.	88	Apr. 28, 1939	504	-	-	-	305	20	144	b/	-	-
27	do.	93	do.	541	-	-	-	299	41	152	b/	-	-
27	do.	100	Apr. 29, 1939	507	21	10	168	268	20	155	b/	-	96
c/29	M. L. Pruitt	40	May 16, 1939	654	-	-	-	305	a/	250	b/	-	-
33	C. M. Vaughan	160	Mar. 7, 1939	448	61	13	100	336	12	97	b/	0.3	208

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
34	C. M. Vaughan	160	Mar. 2, 1939	495	64	12	114	250	16	166	b/	0.3	210
c/35	W. S. Kirby	39	Apr. 19, 1939	1,045	88	13	304	293	16	480	b/	0.2	272
36	Con Brown	22	do.	701	88	27	139	275	74	235	b/	-	332
37	Mrs. G. A. Sweeney	30	do.	1,192	52	42	349	244	74	555	b/	-	301
38	E. W. Barber	18	Apr. 11, 1939	532	57	8	144	281	9	176	-	-	175
39	J. E. Freeze	20	Apr. 19, 1939	1,471	223	38	276	244	81	730	b/	-	713
40	do.	18	do.	607	-	-	-	238	59	210	b/	-	-
41	Carl Shaver	25	do.	816	97	25	178	153	41	400	b/	-	345
42	Bill Freeze	21	Apr. 6, 1939	8,661	337	328	2,500	281	409	4,945	b/	-	2,193
c/43	W. P. A. test	8	Mar. 28, 1939	3,524	182	118	936	305	295	1,790	b/	-	938
43	do.	28	Mar. 29, 1939	5,881	506	248	1,339	85	411	3,330	-	-	2,283
43	do.	38	Mar. 30, 1939	76,925	2,434	3,659	21,503	122	4,519	44,725	-	-	21,130
43	do.	43	do.	113,584	2,764	4,633	33,829	244	6,886	65,332	-	-	25,960
43	do.	58	Apr. 4, 1939	121,657	3,200	4,806	36,168	61	7,715	69,708	-	-	27,760
43	do.	71	Mar. 30, 1939	73,666	4,576	2,707	19,556	122	2,547	44,200	-	-	22,570
44	do.	14	Apr. 7, 1939	1,220	88	26	349	244	37	600	b/	-	326
44	do.	35	do.	1,136	-	-	-	232	33	575	b/	-	-
44	do.	42	do.	476	31	5	153	238	13	157	b/	-	98
44	do.	62	Apr. 10, 1939	394	30	6	115	122	25	158	b/	-	99
44	do.	82	Apr. 11, 1939	456	-	-	-	177	15	185	b/	-	-
44	do.	96	Apr. 12, 1939	417	-	-	-	207	a/	150	b/	-	-
c/44	do.	102	do.	605	53	18	158	189	13	270	b/	0.6	206
c/45	C. C. Hurst	21	Apr. 19, 1939	819	111	22	175	329	20	325	b/	-	369
c/46	R. R. Barber	52	do.	454	68	7	102	275	11	130	b/	0.2	199
47	Amos Glass	16	do.	1,189	87	45	307	311	52	540	b/	-	403
48	J. Mullins	22	do.	717	-	-	-	287	20	290	b/	-	-
49	T. J. Childress	22	do.	649	-	-	-	287	11	255	b/	-	-
50	John Davis	50	do.	490	59	8	124	268	11	154	b/	-	180
52	W. P. A. test	47	Mar. 30, 1939	293	60	8	39	220	11	56	b/	-	185
52	do.	70	Apr. 5, 1939	367	48	10	82	133	13	124	b/	-	161
52	do.	82	Apr. 7, 1939	370	-	-	-	207	13	116	b/	-	-

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
c/52	W. P. A. test	84	Apr. 8, 1939	383	50	15	79	183	13	136	b/	0.3	184
53	do.	20	Mar. 29, 1939	487	61	21	96	189	34	182	b/	-	238
53	do.	43	do.	1,066	68	30	296	263	111	426	b/	-	294
53	do.	58	Apr. 4, 1939	531	57	12	133	226	15	200	b/	-	193
53	do.	74	Apr. 5, 1939	548	-	-	-	268	15	196	b/	-	-
53	do.	94	Apr. 7, 1939	574	63	21	129	195	16	246	b/	-	243
53	do.	110	Apr. 11, 1939	616	-	-	-	207	17	270	b/	-	-
53	do.	117	Apr. 12, 1939	541	-	-	-	220	12	220	b/	-	-
54	do.	30	Mar. 29, 1939	194	26	9	37	104	15	56	b/	0.3	100
54	do.	45	do.	217	-	-	-	134	16	54	b/	-	-
c/54	do.	51	do.	259	52	6	42	207	15	42	b/	0.3	154
54	do.	80	Apr. 14, 1939	441	31	10	130	226	10	146	b/	-	121
54	do.	120	Apr. 13, 1939	512	67	18	109	262	a/	180	b/	-	241
54	do.	126	Apr. 25, 1939	539	71	17	115	233	11	205	b/	0.3	245
55	do.	25	Apr. 17, 1939	334	41	17	63	134	29	118	b/	-	170
55	do.	39	Apr. 25, 1939	323	57	10	53	177	13	98	b/	0.1	186
55	do.	52	Apr. 17, 1939	339	67	8	54	207	12	96	b/	-	200
55	do.	62	Apr. 25, 1939	349	56	7	71	201	11	104	b/	-	169
55	do.	72	do.	405	-	-	-	250	a/	120	b/	-	-
c/55	do.	85	May 1, 1939	457	50	13	114	275	a/	136	b/	0.3	173
56	Oak Grove School	60	May 16, 1939	579	68	13	142	268	a/	215	b/	-	223
57	W. P. A. test	31	July 11, 1939	386	67	10	71	207	a/	128	b/	-	206
57	do.	45	do.	402	57	11	88	262	a/	113	b/	-	187
57	do.	51	July 12, 1939	679	78	17	163	268	22	267	b/	0.2	266
57	do.	66	July 13, 1939	447	52	15	105	262	a/	133	b/	0.2	189
c/58	E. F. Baker	110	May 16, 1939	534	10	3	206	342	12	134	b/	1.4	37
59	do.	97	do.	419	-	-	-	305	13	96	b/	-	-
60	R. Underwood	96	do.	578	-	-	-	305	11	200	b/	-	-
61	W. P. A. test	12	July 17, 1939	121,237	3,608	4,572	35,700	220	9,999	67,250	-	-	27,820
61	do.	21	do.	123,905	-	-	-	220	10,604	69,500	-	-	-
61	do.	27	do.	129,957	3,304	5,191	38,438	220	10,366	72,000	-	-	29,360

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
61	W. P. A. test	43	July 17, 1939	16,924	828	632	4,709	268	766	9,850	-	-	4,670
61	do.	48	July 19, 1939	13,005	719	549	3,452	244	411	7,750	-	-	4,053
62	do.	34	July 10, 1939	95,980	3,104	3,746	27,880	305	7,075	54,000	-	-	23,160
62	do.	43	do.	107,678	3,592	3,855	31,858	427	6,393	61,750	-	-	24,830
62	do.	54	July 11, 1939	90,427	-	-	-	378	6,754	51,500	-	-	-
62	do.	70	July 13, 1939	48,494	3,370	2,712	11,004	305	2,258	29,000	-	-	19,575
62	do.	90	July 17, 1939	5,150	387	257	1,211	232	56	3,125	-	-	2,023
62	do.	95	July 18, 1939	5,621	402	269	1,361	220	56	3,425	-	0.2	2,111
63	A. Knox	52	do.	4,578	771	174	679	122	169	2,725	-	-	2,642
64	W. P. A. test	73	June 30, 1939	1,062	65	23	317	403	12	442	b/	-	277
c/64	do.	78	do.	914	44	26	237	433	a/	343	b/	0.5	216
64	do.	84	July 5, 1939	927	36	17	315	476	a/	320	b/	-	161
64	do.	90	July 6, 1939	837	23	13	302	525	a/	235	b/	0.9	113
65	Ben Dupink	42	May 17, 1939	453	29	9	139	214	a/	164	b/	-	111
66	C. A. Roe	23	do.	663	66	20	165	232	13	285	b/	-	247
67	W. E. Fairchild	56	do.	459	39	10	130	262	11	140	b/	0.3	141
68	A. E. Story	22	do.	288	42	7	58	134	17	94	b/	-	134
69	W. P. A. test	14	Sept. 4, 1939	1,033	68	56	225	122	244	380	b/	-	400
69	do.	29	do.	435	42	24	86	67	40	210	b/	-	205
69	do.	35	--	927	161	114	44	49	92	492	b/	-	582
69	do.	42	Sept. 4, 1939	249	63	11	11	43	28	115	b/	-	202
69	do.	93	Sept. 12, 1939	866	30	24	273	397	100	240	b/	0.7	175
69	do.	96	--	702	2	476	10	476	68	116	b/	-	46
c/70	Lock Campbell	36	June 12, 1939	165	24	4	35	110	8	38	b/	0.1	78
71	W. P. A. test	28	June 27, 1939	251	48	6	42	171	14	57	b/	-	144
71	do.	46	do.	294	36	9	72	256	a/	48	b/	0.2	125
71	do.	110	July 5, 1939	513	25	11	171	427	15	81	b/	-	107
71	do.	111	July 6, 1939	526	25	11	178	476	a/	70	b/	0.6	107
73	do.	26	June 6, 1939	956	49	29	278	122	40	500	b/	-	243
73	do.	58	June 7, 1939	394	49	13	87	207	13	130	b/	0.2	178
73	do.	70	June 9, 1939	780	78	23	137	146	18	395	b/	-	289

a/ Sulfate less than 10 parts per million.
 b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
73	W. P. A. test	80	June 12, 1939	808	55	21	226	134	26	410	b/	-	223
73	do.	89	do.	743	40	16	228	195	16	340	b/	-	165
73	do.	113	June 26, 1939	778	28	14	264	348	16	285	b/	-	129
73	do.	117	do.	829	27	12	290	378	14	300	b/	-	118
c/74	do.	22	June 7, 1939	325	54	13	52	183	32	84	b/	0.3	188
74	do.	33	do.	534	57	16	132	305	15	164	b/	-	210
74	do.	47	do.	362	-	-	-	256	12	86	b/	-	-
74	do.	55	do.	659	-	-	-	275	14	265	b/	-	-
74	do.	65	do.	645	-	-	-	305	14	240	b/	-	-
74	do.	75	June 16, 1939	692	56	11	203	305	12	260	b/	-	187
74	do.	77	do.	627	-	-	-	262	15	250	b/	-	-
74	do.	97	June 21, 1939	674	48	202	11	244	18	275	b/	0.4	167
75	P. Hopper	32	May 17, 1939	608	55	17	161	275	10	225	b/	0.3	205
76	W. P. A. test	20	May 25, 1939	622	78	24	129	250	20	248	b/	0.3	295
76	do.	35	May 27, 1939	766	-	-	-	305	20	312	b/	-	-
76	do.	46	do.	791	74	7	228	293	18	320	b/	0.4	215
76	do.	55	do.	797	-	-	-	305	16	335	b/	-	-
76	do.	65	do.	977	74	18	283	281	24	440	b/	0.2	261
76	do.	77	May 29, 1939	1,009	81	27	270	165	32	518	b/	-	312
76	do.	81	May 31, 1939	1,046	-	-	-	268	31	500	b/	-	-
76	do.	108	do.	912	82	26	236	244	18	430	b/	-	311
76	do.	111	do.	922	76	27	244	232	20	440	b/	0.7	302
77	H. G. Smith	58	June 19, 1939	866	82	11	244	317	a/	365	b/	-	252
79	R. V. Kingsley	40	do.	422	22	4	143	250	10	120	b/	-	73
80	O. Brundrett	21	do.	978	86	40	244	293	20	460	b/	-	379
81	D. R. Simmons	43	do.	701	-	-	-	275	16	290	b/	0.3	-
82	Jack Hogan	52	do.	555	72	18	123	305	a/	184	b/	-	251
86	O. Johnson	28	do.	693	42	27	193	256	10	295	b/	-	217
87	J. C. Sorenson	18	June 22, 1939	2,946	105	73	925	305	169	1,520	b/	-	560
c/88	W. P. A. test	20	May 9, 1939	2,112	108	50	640	415	85	1,020	b/	0.4	476
88	do.	33	May 10, 1939	6,502	363	216	1,793	238	409	3,600	b/	-	1,799

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
88	W. P. A. test	42	May 10, 1939	38,135	1,570	1,566	10,574	366	3,030	21,200	b/	-	10,365
88	do.	50	May 11, 1939	58,291	1,808	2,312	15,929	336	4,667	32,400	-	-	14,025
88	do.	58	May 12, 1939	58,990	1,762	2,287	17,298	305	4,578	32,900	-	-	13,810
88	do.	78	May 26, 1939	56,211	-	-	-	183	2,877	33,250	-	-	-
88	do.	84	May 27, 1939	55,639	2,622	2,523	14,846	73	2,877	37,225	-	-	16,930
88	do.	116	June 1, 1939	8,840	742	494	1,905	140	80	5,550	-	-	3,884
88	do.	120	do.	9,112	766	501	1,973	153	97	5,700	b/	0.5	3,974
90	City of Rockport	78	June 15, 1939	615	74	11	154	317	10	210	b/	-	232
c/90	do.	78	Sept. 1, 1939	602	55	12	167	281	10	220	b/	0.1	188
91	dc.	78	June 15, 1939	596	72	11	149	317	a/	200	b/	0.2	227
91	do.	78	Sept. 1, 1939	621	72	15	154	317	a/	218	b/	0.3	239
95	Mrs. E. Barrows	45	June 19, 1939	559	65	8	147	305	a/	180	b/	-	195
97	Sam T. Prophet	50	do.	840	56	27	238	329	12	345	b/	-	252
100	R. Drake	48	do.	738	-	-	-	323	a/	295	b/	-	-
101	D. M. Picton	68	do.	846	51	14	268	366	a/	325	b/	-	184
102	C. T. Picton	58	do.	620	56	11	176	323	a/	210	b/	-	187
103	Pat Rutherford	52	do.	589	-	-	-	323	a/	200	b/	-	-
104	G. A. St. Onge	20	do.	376	53	14	76	233	10	106	b/	-	189
106	Mrs. B. Harper	52	June 22, 1939	656	76	9	170	317	a/	235	b/	-	226
107	J. W. Haynes	54	do.	603	68	9	159	299	10	210	b/	-	206
108	G. W. Leach	28	do.	724	-	-	-	281	12	305	b/	-	-
109	R. M. Glass	32	June 15, 1939	303	54	9	54	232	10	62	b/	-	171
112	C. H. Harrell	41	do.	431	-	-	-	348	a/	86	b/	-	-
113	W. P. A. test	10	Sept. 4, 1939	55,758	2,888	3,034	13,595	244	5,121	31,000	-	-	19,695
113	do.	14	do.	65,337	3,190	3,685	15,956	275	5,871	36,500	-	-	23,125
113	do.	24	do.	75,046	3,804	3,581	19,256	244	5,725	42,500	-	-	24,235
113	do.	32	Sept. 11, 1939	84,489	2,644	3,625	24,027	275	7,288	46,750	-	-	21,510
113	do.	47	Sept. 12, 1939	91,321	2,400	3,563	27,092	244	7,131	51,000	-	-	20,650
114	do.	20	Sept. 1, 1939	52,491	2,108	2,183	14,652	323	3,339	30,000	-	-	14,245
114	do.	39	Sept. 4, 1939	53,242	4,150	4,536	9,025	287	3,830	31,500	-	-	29,025
114	do.	42	do.	60,741	4,124	4,876	11,463	305	4,093	36,000	-	-	30,360
114	do.	51	Sept. 5, 1939	53,538	4,684	4,718	8,243	244	4,233	31,500	-	-	31,110

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
115	W. P. A. test	14	Aug. 25, 1939	23,032	2,106	1,727	5,337	427	2,327	15,800	-	-	12,365
115	do.	27	Aug. 26, 1939	37,727	3,708	2,299	6,940	183	3,070	21,600	-	-	18,720
115	do.	37	Aug. 29, 1939	29,510	3,350	2,310	4,157	43	2,247	17,400	-	-	17,875
115	do.	45	do.	35,696	3,806	2,371	5,994	238	2,388	21,000	-	-	19,265
115	do.	60	do.	34,252	-	-	-	226	2,408	19,600	-	-	-
115	do.	71	Aug. 30, 1939	32,186	-	-	-	238	2,438	18,200	-	-	-
115	do.	74	do.	31,108	3,192	2,238	5,053	207	2,508	13,000	-	-	17,180
117	do.	16	Aug. 17, 1939	30,075	-	-	-	317	2,056	17,200	-	-	-
117	do.	28	do.	39,421	-	-	-	305	2,368	22,900	-	-	-
117	do.	40	Aug. 25, 1939	46,661	-	-	-	256	2,648	27,300	-	-	-
117	do.	56	Aug. 26, 1939	54,538	-	-	-	256	2,468	32,500	-	-	-
117	do.	73	Aug. 28, 1939	66,255	-	-	-	256	3,010	39,500	-	-	-
117	do.	83	Aug. 29, 1939	65,845	5,242	3,368	14,679	287	3,150	39,250	-	-	26,955
119	do.	13	Aug. 16, 1939	11,268	1,187	272	2,663	488	706	6,200	-	-	4,088
119	do.	25	do.	12,562	1,091	347	3,178	305	771	7,025	-	-	4,154
119	do.	33	Aug. 17, 1939	14,437	-	-	-	293	1,189	8,000	-	-	-
119	do.	46	Aug. 25, 1939	1,357	80	19	421	256	56	655	b/	-	277
119	do.	59	Aug. 26, 1939	1,588	53	25	533	220	40	330	b/	-	235
c/119	do.	99	Aug. 31, 1939	1,407	38	15	500	415	32	618	b/	0.8	159
119	do.	103	do.	1,627	46	21	567	415	48	740	b/	1.0	203
123	R. Simpson	60	June 15, 1939	352	23	7	111	244	a/	83	b/	-	34
125	W. P. A. test	25	Aug. 10, 1939	376	48	12	83	189	16	124	b/	0.4	167
125	do.	35	do.	340	39	18	66	159	32	107	b/	-	171
125	do.	47	do.	397	-	-	-	293	a/	96	b/	-	-
125	do.	56	Aug. 11, 1939	452	36	7	137	305	12	110	b/	-	119
125	do.	81	Aug. 15, 1939	580	28	6	199	342	20	158	b/	1.0	93
125	do.	103	Aug. 17, 1939	839	14	6	317	366	16	306	b/	-	58
c/125	do.	108	do.	699	10	4	268	323	a/	248	b/	1.2	43
129	do.	26	Aug. 3, 1939	305	28	18	63	122	24	112	b/	-	146
129	do.	31	Aug. 4, 1939	278	-	-	-	116	12	106	b/	-	-
129	do.	46	do.	426	-	-	-	189	11	163	b/	-	-
129	do.	53	do.	445	-	-	-	207	11	166	b/	-	-

a/ Sulfate less than 10 parts per million.
 b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
129	W. P. A. test	59	Aug. 4, 1939	539	-	-	-	244	a/	212	b/	-	-
129	do.	70	Aug. 10, 1939	783	-	-	-	317	a/	335	b/	-	-
129	do.	102	Aug. 15, 1939	643	81	27	132	244	a/	280	b/	-	312
129	do.	106	do.	708	83	27	154	220	a/	330	b/	0.5	317
130	do.	25	Aug. 3, 1939	457	-	-	-	122	81	155	b/	-	-
130	do.	35	Aug. 4, 1939	420	33	21	96	134	56	148	b/	0.3	168
130	do.	45	Aug. 10, 1939	413	49	11	97	171	14	158	b/	-	167
130	do.	55	do.	469	63	11	104	195	16	179	b/	-	202
130	do.	65	Aug. 11, 1939	729	80	23	174	317	14	282	b/	0.3	294
130	do.	70	Aug. 12, 1939	748	74	26	133	299	13	305	b/	-	291
130	do.	87	Aug. 14, 1939	704	-	-	-	281	a/	295	b/	-	-
c/130	do.	91	do.	717	68	30	169	232	a/	330	b/	0.4	294
131	do.	14	July 31, 1939	692	90	24	136	139	69	280	b/	-	325
131	do.	28	do.	884	-	-	-	250	32	405	b/	-	-
131	do.	40	do.	1,016	94	18	278	305	18	458	b/	-	311
131	do.	56	Aug. 1, 1939	922	88	16	245	238	56	400	b/	-	285
131	do.	62	do.	1,303	136	40	305	281	61	615	b/	-	505
131	do.	65	do.	1,129	112	33	277	293	48	515	b/	-	415
131	do.	100	Aug. 3, 1939	608	34	16	137	305	16	205	b/	-	150
131	do.	105	do.	710	47	21	206	336	16	255	b/	0.2	203
133	do.	18	July 26, 1939	600	84	24	118	323	a/	210	b/	-	310
133	do.	60	July 27, 1939	674	73	20	167	336	a/	248	b/	0.1	262
133	do.	76	July 28, 1939	956	92	39	225	281	a/	454	b/	-	389
133	do.	82	do.	941	-	-	-	275	a/	455	b/	-	-
133	do.	91	Aug. 1, 1939	978	-	-	-	226	13	495	b/	-	-
133	do.	96	do.	999	96	49	221	256	12	495	b/	0.3	440
134	do.	18	July 25, 1939	608	88	26	107	238	44	226	b/	-	326
134	do.	28	do.	674	-	-	-	232	52	262	b/	-	-
134	do.	38	July 26, 1939	686	118	24	110	256	30	278	b/	-	395
134	do.	48	do.	461	-	-	-	281	15	134	b/	-	-

a/ Sulfate less than 10 parts per million.
 b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
134	W. P. A. test	58	July 27, 1939	556	-	-	-	275	17	196	b/	-	-
134	do.	68	do.	551	77	11	124	268	15	192	b/	-	237
134	do.	95	July 31, 1939	673	69	36	145	348	a/	244	b/	-	323
134	do.	105	Aug. 1, 1939	722	-	-	-	262	a/	316	b/	-	-
134	do.	109	do.	962	75	33	247	281	14	450	b/	0.4	343
137	do.	24	July 25, 1939	8,043	682	33	1,969	317	653	4,550	-	-	3,076
137	do.	37	do.	1,610	-	-	-	299	36	840	b/	-	-
137	do.	47	do.	25,578	-	-	-	159	2,258	14,225	-	-	-
137	do.	65	July 26, 1939	26,591	2,074	752	6,878	110	1,633	15,200	-	-	3,274
137	do.	75	July 27, 1939	40,415	3,634	1,393	9,457	153	3,306	22,550	-	-	14,810
138	B. Scobby	50	July 26, 1939	674	53	28	176	354	a/	236	b/	-	247
139	Paulas Poch	28	July 31, 1939	472	76	17	81	220	16	170	b/	-	261
c/145	Will Wendell	19	Aug. 28, 1939	733	129	25	117	293	15	300	b/	0.2	425
146	L. Henerman	20	do.	337	-	-	-	207	a/	102	b/	-	-
147	Dr. John H. Burleson	32	do.	416	72	15	70	256	a/	126	b/	8.3	244
148	Mrs. Wallace Miller	70	do.	514	77	10	112	281	a/	176	b/	0.1	236
149	L. E. Sanders	65	do.	255	38	3	61	195	a/	56	b/	-	107
150	I. Brenner	165	do.	378	8	3	145	275	a/	86	b/	0.3	32
151	S. W. Richardson	12	June 8, 1939	4,685	265	118	1,350	220	-	-	-	-	1,148
152	do.	11	do.	3,076	248	120	748	451	-	1,520	-	-	1,114
153	do.	12	do.	3,642	-	-	-	390	-	1,930	-	-	-
154	do.	12	do.	1,195	113	51	272	262	60	570	b/	-	491
155	do.	10	do.	1,604	118	56	416	366	109	720	b/	-	524
156	do.	12	do.	1,449	128	55	340	451	153	530	b/	-	549
157	do.	12	do.	540	95	22	77	275	56	150	b/	-	329
158	do.	10	do.	1,681	100	69	440	336	169	735	b/	0.5	532
159	do.	12	do.	1,032	-	-	-	366	73	402	b/	-	-
160	do.	12	do.	1,180	123	51	251	268	85	535	b/	-	516
161	do.	12	do.	1,409	133	57	324	384	111	595	b/	-	565
162	do.	12	do.	4,985	156	157	1,532	671	375	2,430	b/	-	1,037

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Well	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.)
163	W. P. A. test	25	June 30, 1939	4,580	146	156	1,380	427	363	2,325	-	-	1,006
163	do.	35	do.	4,227	158	123	1,271	488	460	1,975	-	-	901
163	do.	43	July 6, 1939	7,093	-	-	-	336	645	3,775	-	-	-
163	do.	52	do.	6,772	240	244	1,962	390	524	3,550	-	-	1,606
163	do.	58	July 7, 1939	4,094	100	131	1,290	476	258	2,030	-	1.2	791
164	do.	21	June 6, 1939	822	80	30	183	98	101	380	b/	-	323
164	do.	33	June 7, 1939	7,521	-	-	-	366	625	4,050	-	-	-
164	do.	42	June 8, 1939	23,493	977	544	7,200	488	1,532	13,000	-	-	4,676
164	do.	48	June 9, 1939	49,058	1,139	1,634	15,156	500	3,871	27,000	-	-	9,568
164	do.	60	June 12, 1939	75,000	-	-	-	500	6,834	41,500	-	-	-
164	do.	71	June 26, 1939	95,480	6,090	3,640	24,470	153	8,185	53,000	-	-	30,195
164	do.	87	June 27, 1939	137,382	3,194	5,055	41,699	549	10,644	76,500	-	-	28,765
164	do.	98	June 28, 1939	133,045	2,846	5,261	40,108	488	10,060	74,500	-	-	28,745
165	do.	14	May 25, 1939	10,499	-	-	-	415	988	5,600	-	-	-
165	do.	28	do.	1,081	64	30	318	360	20	468	b/	-	284
165	do.	38	May 26, 1939	2,117	-	-	-	390	109	1,050	-	-	-
165	do.	48	May 27, 1939	16,926	491	530	5,230	683	956	9,375	-	-	3,408
165	do.	53	do.	33,445	866	1,161	10,169	641	2,674	18,250	-	-	6,940
165	do.	68	May 29, 1939	86,244	1,730	3,526	25,859	427	7,399	47,500	-	-	18,825
165	do.	80	June 1, 1939	98,724	-	-	-	464	8,145	55,500	-	-	-
165	do.	90	do.	105,740	-	-	-	415	8,709	59,500	-	-	-
165	do.	100	June 2, 1939	99,590	-	-	-	427	8,225	56,000	-	-	-
165	do.	104	do.	103,499	2,330	3,928	31,338	329	7,721	58,000	-	-	21,975
166	S. W. Richardson	8	June 8, 1939	1,375	116	52	333	311	113	605	b/	-	502
167	do.	12	do.	382	43	22	74	226	30	102	b/	-	199
168	do.	10	do.	1,633	149	58	257	421	60	895	b/	-	611
169	do.	29	July 7, 1939	2,009	117	100	515	427	60	1,000	b/	-	702
c/170	do.	30	do.	3,677	138	133	1,091	494	145	1,920	-	0.4	892
171	do.	29	do.	2,384	-	-	-	451	80	1,215	b/	-	-
172	do.	29	do.	4,728	133	145	1,495	488	109	2,600	b/	-	929
173	do.	18	June 8, 1939	1,923	139	57	521	451	97	880	b/	-	580
174	do.	12	do.	892	44	40	255	531	32	255	b/	-	274

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a/ Sulfate less than 10 parts per million.
b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
175	S. W. Richardson	12	June 8, 1939	2,966	153	126	795	366	222	1,490	b/	0.5	903
201	W. P. A. test	26	Nov. 29, 1939	-	-	-	-	-	-	148	-	-	-
201	do.	31	Dec. 2, 1939	349	28	9	92	55	32	160	b/	0.3	106
201	do.	42	Dec. 5, 1939	-	-	-	-	-	-	710	-	-	-
201	do.	52	Dec. 6, 1939	584	51	14	158	214	26	230	b/	0.3	184
201	do.	64	Dec. 7, 1939	-	-	-	-	-	-	300	b/	-	-
201	do.	81	Dec. 8, 1939	758	47	25	214	207	20	350	b/	0.3	220
201	do.	105	Dec. 13, 1939	-	-	-	-	-	-	3,200	-	-	-
202	do.	28	Nov. 29, 1939	-	-	-	-	-	-	160	-	-	-
202	do.	44	Dec. 1, 1939	-	-	-	-	-	-	94	-	-	-
202	do.	54	Dec. 2, 1939	-	-	-	-	-	-	180	-	-	-
202	do.	59	do.	500	51	14	124	201	36	176	b/	0.4	183
202	do.	64	do.	-	-	-	-	-	-	176	-	-	-
203	State Highway Dept.	40	Aug. 28, 1939	161	14	4	42	43	11	69	b/	-	53
204	E. Jackman	20	do.	719	43	27	190	85	14	398	b/	-	232
207	W. P. A. test	16	Sept. 14, 1939	438	39	21	46	140	13	195	b/	-	308
207	do.	23	do.	341	69	12	41	104	28	140	b/	0.1	223
207	do.	35	do.	13,394	1,522	496	2,732	134	1,122	7,450	-	-	5,846
207	do.	51	Sept. 15, 1939	1,900	272	67	343	123	40	1,110	-	-	956
207	do.	61	Sept. 16, 1939	2,059	208	73	473	104	14	1,240	-	-	820
207	do.	70	Sept. 18, 1939	2,524	-	-	-	73	72	1,510	-	-	-
207	do.	89	Oct. 6, 1939	1,197	40	26	388	343	112	460	b/	-	206
c/207	do.	92	do.	1,340	51	27	431	366	124	525	b/	1.7	237
208	J. B. Hurd	50	Sept. 28, 1939	284	32	7	72	133	a/	82	b/	-	110
209	J. W. Mills	67	Oct. 2, 1939	2,043	316	89	324	134	23	1,220	-	-	1,155
210	J. B. Hurd	72	do.	383	18	9	124	201	a/	125	b/	-	80
211	do.	1,035	do.	3,174	12	16	1,209	128	64	1,310	-	0.8	95
212	do.	34	do.	180	18	7	41	61	12	72	b/	-	75
213	B. Kruger	55	do.	1,047	72	41	267	55	40	600	b/	-	351
214	Stella Maria Missions	75	do.	317	31	5	91	220	a/	81	b/	-	98
c/215	State Park Board	72	do.	580	21	2	209	220	a/	235	b/	0.3	62

a/ Sulfate less than 10 parts per million.
 b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 45.

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

Results are in parts per million

Well	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.)
217	W. P. A. test	26	Oct. 27, 1939	-	-	-	-	-	-	1,220	-	-	-
217	do.	38	do.	-	-	-	-	-	-	810	-	-	-
217	do.	46	do.	315	43	22	42	61	28	150	b/	0.2	199
217	do.	92	Nov. 9, 1939	907	40	20	284	159	44	440	b/	0.9	182
218	do.	24	Oct. 12, 1939	670	61	24	165	281	52	230	b/	-	250
218	do.	34	Oct. 13, 1939	1,007	98	31	236	146	100	470	b/	-	374
218	do.	54	Oct. 16, 1939	555	38	20	151	232	32	200	b/	-	177
218	do.	57	do.	631	39	8	198	250	36	225	b/	0.4	130
220	Mrs. S. Robinson	52	Oct. 2, 1939	286	17	2	98	220	a/	60	b/	0.3	52
221	R. S. Johnson	50	Sept. 26, 1939	260	15	5	85	207	a/	50	b/	0.4	58
222	W. P. A. test	15	Oct. 25, 1939	-	-	-	-	-	-	315	-	-	-
222	do.	24	do.	-	-	-	-	-	-	210	-	-	-
222	do.	33	Oct. 26, 1939	855	124	28	155	171	84	320	b/	0.3	428
223	do.	14	Oct. 3, 1939	693	32	36	163	13	143	300	b/	-	227
223	do.	26	do.	331	28	21	64	24	36	170	b/	-	158
223	do.	35	do.	468	-	-	-	24	40	250	b/	-	-
223	do.	56	Oct. 4, 1939	444	41	8	117	159	60	140	b/	-	135
223	do.	59	do.	443	44	10	109	159	72	130	b/	-	151
224	do.	22	Oct. 26, 1939	-	-	-	-	-	-	2,400	-	-	-
224	do.	64	Oct. 28, 1939	451	26	11	130	220	34	130	b/	0.4	112
225	do.	21	Sept. 23, 1939	331	39	18	59	79	40	136	b/	-	171
225	do.	24	do.	310	31	17	62	55	25	148	b/	0.3	145
225	do.	30	do.	506	50	15	118	49	44	255	b/	-	139
225	do.	33	do.	455	-	-	-	61	32	230	b/	-	-
225	do.	39	do.	529	-	-	-	73	44	260	b/	-	-
225	do.	42	do.	402	35	10	101	43	40	195	b/	-	131
225	do.	60	Oct. 2, 1939	890	70	29	228	128	60	440	b/	-	293
225	do.	64	do.	565	-	-	-	262	15	210	b/	-	-
225	do.	65	do.	556	49	18	145	256	16	200	b/	0.4	196
226	R. S. Johnson	65	Sept. 23, 1939	489	24	7	164	317	20	118	b/	-	90
227	do.	70	do.	5,487	712	204	1,051	293	256	3,120	-	-	2,521
228	Preston Paul	185	Sept. 26, 1939	8,069	527	451	1,837	329	759	4,330	-	0.2	3,173
229	W. P. A. test	15	Sept. 13, 1939	55,210	2,512	2,882	14,182	214	3,514	32,000	-	-	13,130

-43-

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million

Well	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.)
229	W. P. A. test	26	Sept. 14, 1939	54,351	-	-	-	231	3,451	31,500	-	-	-
229	do.	34	do.	53,493	-	-	-	207	3,415	31,000	-	-	-
229	do.	40	Sept. 15, 1939	56,744	-	-	-	12	3,614	33,000	-	-	-
229	do.	47	Sept. 13, 1939	57,350	-	-	-	171	3,674	33,250	-	-	-
229	do.	58	Sept. 25, 1939	57,808	3,586	2,615	14,427	12	3,674	33,500	-	-	19,715
229	do.	68	Sept. 26, 1939	54,556	3,550	2,469	13,421	146	3,514	31,500	-	-	19,025
230	do.	26	Sept. 14, 1939	8,637	630	195	2,361	256	575	4,750	-	-	2,375
230	do.	46	Sept. 15, 1939	12,177	-	-	-	220	823	6,925	-	-	-
230	do.	51	Sept. 13, 1939	13,933	1,105	426	3,513	12	958	7,900	-	-	4,512
230	do.	69	Sept. 19, 1939	18,837	1,546	657	4,596	244	1,218	10,700	-	-	6,566
230	do.	81	Sept. 26, 1939	16,650	-	-	-	165	783	9,850	-	-	-
230	do.	100	Sept. 27, 1939	8,015	769	555	1,446	256	216	4,900	-	-	4,202
230	do.	109	Sept. 28, 1939	5,363	473	376	1,009	207	128	3,275	-	-	2,727
231	do.	20	Sept. 26, 1939	5,978	631	208	1,306	207	431	3,300	-	-	2,433
231	do.	30	do.	7,331	614	249	1,765	134	687	3,950	-	-	2,558
231	do.	46	Sept. 27, 1939	11,612	-	-	-	104	767	6,675	-	-	-
231	do.	55	do.	11,221	735	478	2,809	232	735	6,350	-	-	3,804
231	do.	59	Sept. 28, 1939	12,496	-	-	-	177	935	7,050	-	-	-
231	do.	67	Oct. 3, 1939	12,721	-	-	-	153	887	7,250	-	-	-
231	do.	85	do.	4,730	485	245	946	207	152	2,800	-	-	2,221
231	do.	89	do.	3,707	303	221	779	159	136	2,190	-	-	1,667
232	do.	23	do.	41,999	4,248	1,495	9,223	12	2,007	25,000	-	-	17,305
232	do.	50	Oct. 4, 1939	34,768	-	-	-	122	1,618	20,700	-	-	-
232	do.	52	Oct. 5, 1939	33,346	4,584	1,800	5,175	134	1,056	20,050	-	-	18,860
232	do.	78	Oct. 12, 1939	13,836	1,904	1,107	1,652	146	86	9,000	-	-	9,310
233	do.	20	Oct. 6, 1939	9,399	907	384	1,974	323	1,500	4,475	-	-	3,848
233	do.	33	do.	8,290	-	-	-	207	1,247	4,062	-	-	-
233	do.	41	Oct. 9, 1939	48,235	1,824	2,171	13,303	165	3,356	27,500	-	-	13,490
233	do.	50	Oct. 10, 1939	63,899	-	-	-	159	3,612	37,500	-	-	-
233	do.	74	Oct. 16, 1939	23,136	2,739	1,081	4,426	122	420	14,450	-	-	11,293
233	do.	78	do.	22,120	2,839	4,203	888	116	383	13,750	-	-	10,743

a/ Sulfate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Chemical analyses--Continued
Results are in milligrams equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Total hardness as CaCO ₃ (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total dissolved solids (calc.)
1	John Hancock Insurance Co.	300	June 20, 1939	3.58	1.74	1.84	41.79	5.80	0.02	39.48	0.07	-	90.74
6	Rincon Inv. Co.	170	do.	4.98	2.44	2.54	58.07	7.50	0.21	55.28	0.06	-	126.10
10	do.	173	June 21, 1939	4.06	1.60	2.46	52.54	8.30	2.26	45.97	0.06	-	113.20
17	do.	225	June 20, 1939	6.96	2.60	4.36	71.17	7.60	3.36	67.13	0.04	-	156.26
23	W. P. A. test	83	May 11, 1939	4.72	2.60	2.12	14.51	7.00	0.59	11.56	0.08	-	38.46
24	B. Grant	92	May 10, 1939	3.20	2.46	0.76	6.47	4.40	0.19	5.08	0.02	-	19.34
27	W. P. A. test	42	Apr. 18, 1939	3.66	2.60	1.06	4.76	3.60	0.31	4.51	0.01	-	16.84
29	M. L. Pruitt	40	May 16, 1939	-	-	-	-	5.00	0.19	7.05	-	-	-
35	W. S. Kirby	39	Apr. 19, 1939	5.44	4.38	1.06	13.23	4.80	0.33	13.54	0.01	-	37.34
43	W. P. A. test	8	Mar. 28, 1939	18.76	9.08	9.68	42.87	5.00	6.14	50.48	-	-	123.26
44	do.	102	Apr. 12, 1939	4.12	2.66	1.46	6.86	3.10	0.27	7.61	0.03	-	21.96
45	C. C. Hurst	21	Apr. 19, 1939	7.38	5.54	1.84	7.60	5.40	0.41	9.17	-	-	29.96
46	R. R. Barber	52	do.	3.98	3.42	0.56	4.44	4.50	0.23	3.67	0.02	0.02	16.84
52	W. P. A. test	84	Apr. 8, 1939	3.68	2.43	1.20	3.43	3.00	0.27	3.84	0.02	-	14.22
54	do.	51	Mar. 29, 1939	3.08	2.58	0.50	1.82	3.40	0.31	1.19	0.02	-	9.80
55	do.	85	May 1, 1939	3.56	2.50	1.06	4.97	4.50	0.19	3.84	0.02	-	17.06
53	E. F. Barber	110	May 16, 1939	0.74	0.48	0.26	8.96	5.60	0.25	3.78	0.07	-	19.40
64	W. P. A. test	78	June 30, 1939	4.32	2.22	2.10	12.47	7.10	0.02	9.67	0.03	-	33.58
70	Lock Campbell	36	June 12, 1939	1.56	1.22	0.34	1.51	1.80	0.17	1.07	0.01	0.03	6.14
74	W. P. A. test	22	June 7, 1939	3.76	2.72	1.04	2.28	3.00	0.67	2.37	0.02	-	12.08
88	do.	20	May 9, 1939	9.52	5.38	4.14	27.82	6.80	1.77	28.77	0.02	-	74.68
90	City of Rockport	78	Sept. 1, 1939	3.70	2.76	1.00	7.25	4.61	0.21	6.20	0.01	-	22.02
119	W. P. A. test	99	Aug. 31, 1939	3.18	1.92	1.26	21.76	6.80	0.67	17.43	0.04	-	49.88
125	do.	108	Aug. 17, 1939	0.86	0.50	0.36	11.67	5.30	0.17	7.00	0.06	-	25.06
130	do.	91	Aug. 14, 1939	5.88	3.38	2.50	7.35	3.80	0.12	9.31	0.02	-	26.46
145	Will Wendell	19	Aug. 28, 1939	8.50	6.44	2.06	5.07	4.80	0.31	8.46	0.01	-	27.14
170	S. W. Richardson	30	July 7, 1939	17.84	6.92	10.92	47.43	8.10	3.02	54.15	0.02	-	130.54
207	W. P. A. test	92	Oct. 6, 1939	4.74	2.54	2.20	18.74	6.00	2.57	14.81	0.09	-	46.96
215	Texas State Park Board	72	Oct. 2, 1939	1.24	1.04	0.20	9.09	3.60	0.10	6.03	0.02	-	20.66

- EXPLANATION —
- WELL WITH HAND PUMP, BUCKET, OR BAILER
 - ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
 - ⊙ WELL WITH PUMPING PLANT — 5 HORSE POWER OR LARGER
 - ◇ WELL DRILLED TO TEST FOR OIL OR GAS
 - ◇ UNUSED WELL
 - FLOWING WELL
 - SPRING
 - TEST WELL DRILLED BY W.P.A. LABOR
 - ⊞ GROUP OF WATER WELLS FOR USE IN OIL WELL DRILLING
 - ⊞ EARTHEN TANK OR RESERVOIR

FIELD WORK BY
CARL E. JOHNSON
PROJECT SUPERINTENDENT
W.P.A. PROJECT 10448

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

TEXAS BOARD OF
WATER ENGINEERS
ASSISTED BY
U.S. GEOLOGICAL SURVEY

MAP OF ARANSAS COUNTY, TEXAS
SHOWING LOCATIONS OF WATER WELLS LISTED



