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STATE BOARD OF WATER ENGINEERS

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SAN PATRICIO COUNTY, TEXAS

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

\* \* \*

Work Projects Administration Project 10447

Carl E. Johnson

Project Superintendent

\* \* \*

Analyses made and report mimeographed by

WORK PROJECTS ADMINISTRATION

Project 10443

\* \* \*

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.

\* \* \*

Austin, Texas  
October 30, 1939

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# SAN PATRICIO COUNTY, TEXAS

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## Introduction

by

W. O. George

Ground-water Hydrologist

Texas Board of Water Engineers

This publication contains an assemblage of data, obtained in the course of a survey in San Patricio County, Texas, consisting of records of wells, logs of wells and test holes and analyses of water from wells and test holes.

This survey (project 10447 of District 10, San Antonio) 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 August 25, 1938, and completed March 25, 1939. Carl E. Johnson, a geologist, was project superintendent, under the direction of Mrs. Elizabeth McCauley, Supervisor of Professional and Service Projects for the San Antonio district of the W. P. A. The Commissioners' Court of San Patricio County furnished transportation for the workers.

Most of the test well drilling was done in the sandy areas along the coast. Samples of water were obtained from different depths in these wells in order to outline the areas where fresh water may be found. The chemical analyses of these samples are included in this report.

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 San Patricio County, Texas

(All wells are drilled or bored unless otherwise indicated in "Remarks" column.)

No.	Distance from Aransas Pass	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
26	10½ miles northwest	lot 1, NW¼	sur. 55, 5th Taft subdv.	R. E. Whitten	--	1931	180	4
27	10 miles northwest	lot 8, SE¼	sur. 54, 5th Taft subdv.	Henry McDonald	--	1929	208	4
28	do.	lot 7, SE¼	sur. 55, 5th Taft subdv.	J. F. Coppedge	E. T. Elwood	1934	256	2½
29	9½ miles northwest	lot 8, NW¼	sur. 61, 5th Taft subdv.	Harry Eukans	--	1936	205	4
30	9 miles northwest	lot 4, SE¼	sur. 63, 5th Taft subdv.	Dr. J. W. Harvey	--	1931	180	4
31	do.	lot 1, cen.	sur. 59, 6th Taft subdv.	Rincon Inv. Co.	E. T. Elwood	1932	182	2
32	do.	lot 7, cen.	sur. 56, 6th Taft subdv.	H. S. Crawford	do.	1931	219	2½
33	7½ miles northwest	lot 1, cen.	sur. 81	Rincon Inv. Co.	--	1927	280	2
34	7 miles northwest	N¼	abs. 273	J. T. McCampbell	--	1935	210	5
35	do.	S½NW¼	do.	W. G. McCampbell	--	1937	200	7
36	3½ miles northwest	S¼	do.	J. S. McCampbell	--	1927	280	2
37	5½ miles northwest	cen.	abs. 202	Robert McCampbell	--	--	375	4
38	6½ miles northwest	lot 8, SE¼	abs. 128	Portfield Est.	--	1921	175	1
39	7½ miles northwest	lot 8, cen.	do.	Dr. J. H. Harvey	--	1928	230	4
40	do.	lot 1, SE¼	do.	R. K. Reed	--	1908	130	4
41	7 miles west	lot 4, NW¼	do.	H. H. Richardson	--	1935	250	4
42	6½ miles west	lot 1, cen.	abs. 211	J. D. Willis	--	1935	250	4
d/ 43	6 miles west	NW¼	George W. Crover sur.	Mrs. Jean Davis	Waterbury Oil Co.	--	6,717	--
44	5½ miles west	lot 3, SE¼	abs. 132	E. D. Shell	--	1929	290	4
45	5 miles west	NE¼	abs. 123	G. H. McKain	--	1931	250	2
46	4½ miles west	W¼	abs. 195	W. G. McCampbell	--	1936	165	4
47	5½ miles west	share 4, SE¼	abs. 122	do.	--	1935	350	4
48	6 miles northwest	share 5, E¼	do.	T. P. McCampbell	--	1928	250	4
49	4½ miles northwest	SE¼	abs. 54	W. G. McCampbell	--	--	200	4

d/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.

Records obtained by C. E. Johnson, G. H. Gromack and S. S. Nye  
 (Chemical analyses of water from these wells are in the table of analyses.)

No.	Height of Water level		Date of measurement	Pump and power b/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)				
26	1.8	35.6	Oct. 13, 1938	C,W	S	Iron casing to bottom. Reported strong supply.
27	--	20	e/	C,G, 25	D,I	Do.
28	--	40	e/	C,W	D,S	Do.
29	--	50	e/	C,W	S	Do.
30	--	22	e/	C,W	S	Do.
31	--	36	e/	C,W	D,S	Do.
32	--	16	e/	C,W	D,S	Do.
33	--	23	e/	C,W	D,S	Iron casing to bottom.
34	2	26.5	Sept. 19, 1938	C,W	S	Do.
35	--	20	e/	C,W	S	Do.
36	--	--	--	C,W	S	Do.
37	0	35.6	Sept. 14, 1938	C,W	S	Iron casing to bottom. Reported strong supply.
38	--	90	e/	C,W	N	Iron casing to bottom.
39	--	30	e/	C,W	S	Furnishes water for 50 to 60 head of cattle.
40	--	50	--	C,W	S	Iron casing to bottom.
41	2.8	19.2	Sept. 20, 1938	C,W	S	Iron casing to bottom. Reported strong supply.
42	--	40	e/	C,W	S	Iron casing to bottom.
43	--	--	--	--	--	Oil test. See log.
44	1.2	16.3	Sept. 14, 1938	C,W	S	Iron casing to bottom.
45	--	36	e/	C,W	S	Iron casing to bottom. Reported strong supply.
46	1.2	32.6	Jan. 20, 1939	C,W	D,S	Do.
47	2.0	32.5	Sept. 19, 1938	C,W	S	Do.
48	1.8	92.3	do.	C,W	S	Iron casing to bottom.
49	0	22.6	Sept. 14, 1938	C,W	S	Iron casing to bottom. Reported strong supply.

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.

## Records of wells in San Patricio County--Continued

No.	Distance from Aransas Pass	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
50	2 miles northwest	lot 1, cen.	blk. 44, McCampbell subdv.	W. J. Williams	E. Baker	1925	60	4
51	2 miles northwest	lot 1, SE	blk. 46, McCampbell subdv.	L. D. Cavitt	L. D. Cavitt	1933	86	4
52	do.	lot 1,	blk. 109, McCampbell subdv.	G. J. Ruhman	E. Baker	1933	44	4
53	do.	lot 2, SE	do.	J. L. Duddleson	do.	1936	44	4
54	do.	lot 1, N	blk. 103, McCampbell subdv.	Max Wolf	--	1937	18	3
55	do.	lot 3, N	do.	J. E. Crews	E. Baker	1934	59	4
56	2 miles northwest	lot 5	do.	J. E. Wolf	do.	--	60	4
57	2 miles northwest	lot 1, S	do.	H. W. Perkins	do.	1907	65	4
58	2 miles west	lot 3, N	blk. 105, McCampbell subdv.	J. D. Hills	J. D. Hills	1903	93	4
59	4 miles west	lot 1, cen.	blk. 97, McCampbell subdv.	Alfred Nystrom	E. Baker	1933	76	3
60	5 miles west	--	--	Humble Oil & Refining Co.	--	1929	142	10
61	5 miles west	lot 7	blk. 32, McCampbell subdv.	do.	Glynn-Texas Co.	1929	143	20
62	6 miles west	L. T. Myers tract, S	abs. 392	L. T. Myers	--	1932	150	2
63	5 miles southwest	lot 3, S	blk. 1, Ingleside subdv.	D. H. Robison	--	1926	60	4
64	do.	lot 1,	do.	L. T. Jones	--	1926	54	4
65	do.	lot 11, cen.	blk. 90, McCampbell subdv.	E. F. Phelps	E. F. Phelps	1921	48	4
66	4 miles southwest	lot 7, S	blk. 33, McCampbell subdv.	V. A. Kirkpatrick	V. A. Kirkpatrick	1938	92	4
67	4 miles west	lot 15, S	blk. 37, McCampbell subdv.	J. R. Burns	--	1923	70	4
68	4 miles southwest	lot 3, SE	blk. 36, McCampbell subdv.	F. N. Edwards	F. N. Edwards	1908	80	4
69	4 miles west	lot 16, N	blk. 85, McCampbell subdv.	O. V. Coopender	O. V. Coopender	1934	60	4
70	3 miles southwest	lot 6, cen.	do.	Mrs. H. H. Keys	-- Kaster	1936	46	4
71	3 miles southwest	lot 4, W	do.	C. N. McAlister	J. R. McAlister	1938	43	4
72	do.	lot 5, SW	blk. 84, McCampbell subdv.	Mrs. H. H. Keys	--	1883	46	4
73	3 miles southwest	do.	do.	M. C. Tyner	M. C. Tyner	1933	80	4
74	3 miles west	lot 12, SE	do.	Mrs. H. H. Keys	E. Baker	1933	90	4
75	do.	lot 13, SW	do.	M. C. Tyner	M. C. Tyner	1933	58	4

## Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of measuring point above ground (ft.)	Water level Depth below measuring point (ft.)	Date of measurement	Pump and power b/	Use of water c/	Remarks
50	1.2	22.3	Sept. 12, 1938	C, W	D, S	Iron casing to bottom.
51	--	20	e/	C, E, W	D	Do.
52	1.1	10.3	Sept. 7, 1938	C, E, W	D	Iron casing to bottom. Reported strong supply.
53	1.3	13.2	Sept. 14, 1938	C, W	D, S	Do.
54	4.2	14.3	Sept. 7, 1938	C, H	D	Reported weak supply.
55	2.5	33	do.	C, H	D	Iron casing to bottom. Reported strong supply.
56	2.0	14	do.	C, W	D, S	Iron casing to bottom.
57	1.8	16.5	Sept. 6, 1938	C, W	D	Iron casing to bottom. Reported strong supply.
58	1.2	13.2	do.	C, W	D, S	Do.
59	5	25.1	June 20, 1938	C, W	D, S	Do.
60	--	--	--	C, G,	Ind	Reported yield, 150 gallons a minute. Located in Ingleside.
61	--	54	e/	C, G,	Ind	22 feet of screen at bottom of well. Reported yield, 165 gallons a minute. Used by refinery.
62	--	52	e/	C, W	D, S	Iron casing to bottom.
63	2	23.6	Sept. 16, 1938	C, W	N	Do.
64	2	21.8	do.	C, W	D, S	Do.
65	--	18	e/	C, W	D, S	Iron casing to bottom. Reported strong supply.
66	2	23.6	Sept. 13, 1938	C, W	D, S	Do.
67	0	20.1	do.	C, W	D	Do.
68	0.5	17.6	June 22, 1938	C, W	D, S	Do.
69	5.9	27.6	do.	C, W	D	Do.
70	1.6	19.1	do.	C, H	D, S	Do.
71	1.3	19.9	June 23, 1938	C, W	D, S	Do.
72	0	19	June 22, 1938	C, W	D, S	Do.
73	1	15.2	Sept. 15, 1938	C, W	D, S	Iron casing to bottom.
74	3.7	25	June 26, 1938	C, W	D, S	Cased to bottom. Measured yield, 1 gallon a minute.
75	0.3	17.9	June 27, 1938	--	--	Well being drilled deeper when visited. Struck water at 35 feet.

## Records of wells in San Patricio County--Continued

No.	Distance from Aransas Pass	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
76	3 $\frac{1}{2}$ miles west	lot 14, N <sup>1</sup>	blk. 84, McCampbell subdv.	R. T. Graham	H. Baker	1935	88	4
77	3 $\frac{1}{2}$ miles west	lot 15, N <sup>1</sup>	blk. 83, McCampbell subdv.	L. A. Saunders	do.	1933	81	4
78	do.	lot 13, N <sup>1</sup>	do.	F. S. Norman	--	1931	84	4
79	do.	lot 12, S <sup>1</sup>	do.	R. G. McClellan	--	1927	110	6
80	3 $\frac{1}{2}$ miles southwest	lot 1, S <sup>1</sup>	do.	Lewis Caldwell	--	1920	90	4
81	2 $\frac{1}{2}$ miles southwest	do.	blk. 82, McCampbell subdv.	J. R. H. Jones	--	Old	40+	4
82	5 miles west	lot 3, cen.	do.	Mrs. -- Armstrong	--	--	40+	4
83	do.	lot 5, S <sup>1</sup>	do.	Dr. -- Powell	--	--	--	5
84	do.	lot 6, cen.	do.	W. H. Bryan	--	1903	30	5
85	3 $\frac{1}{2}$ miles west	lot 9, cen.	do.	--	--	Old	35	4
86	do.	lot 12, W <sup>1</sup>	do.	T. H. Bennight	T. H. Bennight	1930	52	4
87	3 miles west	lot 11, E $\frac{1}{2}$	blk. 81, McCampbell subdv.	J. M. Little	--	1912	110	4
88	2 $\frac{1}{2}$ miles west	lot 7, N $\frac{1}{2}$	do.	W. F. Mooney	--	--	45+	4
89	do.	lot 1, SE <sup>1</sup>	do.	W. L. Luckleroy	--	1923	38	5
90	do.	lot 8, cen.	blk. 80, McCampbell subdv.	Miss Francis Six	--	Old	65	4
91	do.	lot 7, N $\frac{1}{2}$	do.	Berry Est.	--	1917	65	4
92	do.	lot 11, NE $\frac{1}{2}$	do.	O. A. Sherwood	--	Old	39+	6
93	3 miles west	lot 15, cen.	blk. 79, McCampbell subdv.	B. F. Lockhart	--	--	90	4
94	2 $\frac{1}{2}$ miles west	lot 10, cen.	do.	Seymore Collins	--	1905	50	5
95	do.	lot 16, NW <sup>1</sup>	blk. 78, McCampbell subdv.	--	--	--	--	4
96	2 $\frac{1}{2}$ miles west	lot 15, cen.	blk. 76, McCampbell subdv.	Mrs. Nora Morris	M. Block	1909	65	4
97	do.	lot 6, NW $\frac{1}{2}$	blk. 73, McCampbell subdv.	M. L. Gristy	M. L. Gristy	1937	28	4
98	1 $\frac{1}{2}$ miles northwest	lot 7, NW $\frac{1}{2}$	do.	W. A. Scrivner	Corgey & Grote	1938	7,152	5
99	1 $\frac{1}{2}$ miles northwest	lot 2, NW $\frac{1}{2}$	do.	E. N. McCampbell Est.	do.	1938	7,160	--
100	do.	lot 2, NW cor.	blk. 72, McCampbell subdv.	Felix Grobe	--	1938	63	4
101	do.	lot 2, NW $\frac{1}{2}$	do.	F. Garlock	Corgey & Grote	1938	7,143	--



Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of Water level		Date of measurement	Pump and power b/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)				
76	2.1	21.1	June 24, 1935	C, T	D, S	Iron casing to bottom. Reported never fails.
77	--	--	--	C, H	--	Iron casing to bottom.
78	2.5	19.4	June 23, 1938	C, W	D, S	Iron casing to bottom. Reported strong supply.
79	--	--	--	C, W	D, S	Do.
80	0.6	15.5	June 22, 1938	C, W	D, S	Do.
81	0.8	13.1	June 26, 1938	C, W	D, S	Do.
82	0.9	13.4	do.	C, W	D, S	Do.
83	0.5	12.3	do.	C, H	S	Do.
84	0.6	13.8	do.	C, T	D, S	Do.
85	0.5	16.6	do.	C, H	D, S	Do.
86	2.6	19.1	June 24, 1938	C, W	D, S	See log.
87	0.8	22.3	do.	C, W	D, S	Iron casing to bottom. Reported strong supply.
88	2.3	17.9	do.	C, W	D, S	Do.
89	3.5	14.8	June 26, 1938	C, W	D, S	Do.
90	0.6	14.9	June 24, 1938	C, H	S	Do.
91	2.2	17.9	do.	C, W	D, S	Do.
92	0.5	16.6	do.	C, W	D, S	Do.
93	1.0	8.1	Sept. 7, 1938	B, H	D, S	Do.
94	--	--	--	C, W	D, S	Do.
95	--	--	--	--	D, S	Do.
96	1.5	37	Sept. 6, 1938	C, H	D	Do.
97	--	14	e/	C, E, 1/6	D	Do.
98	--	--	--	--	--	Oil test. See log.
99	--	--	--	--	--	Do.
100	5.0	24.6	June 27, 1938	C, E, 1/6	D	Iron casing to bottom.
101	--	--	--	--	--	Oil test. See log.

## Records of wells in San Patricio County--Continued

No.	Distance from Aransas Pass	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date	Depth of well (ft.)	Diameter of well (in.)
102	2 miles northwest	lot 9, NW	blk. 72, McCampbell subdv.	C. Scrivner	J. Baker	1931	60	4
d/103	do.	lot 10, S1	do.	Heard & Heard	Gorgey & Grote	1933	7,142	5
104	do.	do.	do.	B. Nelson	--	1893	100+	4
105	2 miles northwest	lot 14, cen.	do.	H. Aborn	--	1936	60	4
106	do.	lot 16, cen.	do.	Mona Clayton	J. Baker	--	65	4
107	do.	lot 14, cen.	blk. 1, McCampbell subdv.	William Lane	--	1935	22	4
108	2 miles northwest	lot 9, NW	do.	Joan Smallshaw	Joan Smallshaw	--	60	4
d/109	1 1/2 miles northwest	lot 5, cen.	do.	O. Gustafson	Gorgey & Grote	1933	7,143	--
110	1 mile northwest	lot 2, S	do.	George W. King	J. Baker	1937	24	4
d/111	do.	lot 1, S1	do.	L. J. Usher	Gorgey & Grote	1939	7,160	5
d/112	2 miles northwest	lot 2, NWSE	blk. 77, McCampbell subdv.	J. A. Scrivner	do.	1939	7,140	--
113	2 miles northwest	lot 16, cen.	blk. 2, McCampbell subdv.	H. F. Barfoot	H. F. Barfoot	1924	60	4
114	do.	do.	blk. 4, McCampbell subdv.	M. H. Nelson	--	1924	87	4
d/115	1 1/2 miles northwest	lot 5, cen.	do.	J. A. Scrivner	Gorgey & Grote	1938	7,140	--
d/116	2 miles northwest	lot 6, NW	blk. 5, McCampbell subdv.	McCampbell Est.	do.	1939	7,140	--
d/117	2 miles northwest	lot 10, S1	do.	do.	do.	1933	7,142	7
d/118	2 1/2 miles northwest	lot 14, cen.	do.	W. E. Tedford	do.	1938	7,149	5
119	do.	lot 16, cen.	do.	W. Farney	J. Baker	1933	60	6
d/120	do.	lot 14, S1	blk. 6, McCampbell subdv.	McNulty Est.	Baltic Oil Co.	1933	7,123	5
121	1 mile north	--	--	William Snyder	J. Baker	1925	62	4
122	1 1/2 miles northwest	lot 7, cen.	blk. 206, McCampbell subdv.	H. Pope	H. Pope	1935	62	4
123	do.	lot 6, S1	blk. 207, McCampbell subdv.	G. S. Spinney	J. Baker	1936	70	4
124	1 1/2 miles northwest	lot 7, NE	do.	A. D. Bell	do.	1938	68	4
d/125	1 mile northwest	lot 9, cen.	do.	L. M. McPherson	do.	1933	66	6
126	1 mile north	lot 2	blk. 393, McCampbell subdv.	A. L. Webb	-- Booker	--	65	4
127	1/2 mile north	lot 23	blk. 447, McCampbell subdv.	D. E. White	D. E. White	1938	21	1

Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of Water Level		Date of measure- ment	Pump and power b/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measur- ing point (ft.)				
102	1.8	21	Sept. 12, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
103	--	--	--	--	--	Oil test. See log.
104	--	10	e/	C,W	D,S	Iron casing to bottom. Reported never fails.
105	1.0	21.5	Sept. 7, 1938	C,W	D	Reported weak supply.
106	0.9	10.0	do.	C,W	D,S	Iron casing to bottom.
107	1.8	10.2	do.	C,W	D	Do.
108	1.0	23.3	Sept. 12, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
109	--	--	--	--	--	Oil test. See log.
110	--	18	e/	C,W	D,S	Reported strong supply.
111	--	--	--	--	--	Oil test. See log.
112	--	--	--	--	--	Do.
113	--	15	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.
114	1.0	22.2	Sept. 12, 1938	C,W	D,S	Do.
115	--	--	--	--	--	Oil test. See log.
116	--	--	--	--	--	Do.
117	--	--	--	--	--	Do.
118	--	--	--	--	--	Do.
119	1.0	6.3	Sept. 12, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
120	--	--	--	--	--	Oil test. See log.
121	1.6	27.5	Sept. 15, 1938	C,W	D	Iron casing to bottom. Reported strong supply.
122	1.0	15	Sept. 12, 1938	C,W	D	Do.
123	--	18	e/	C,W	D	Do.
124	3.1	25.7	Sept. 12, 1938	C,W	D	Do.
125	3	22.6	do.	C,W	D,S	Do.
126	--	30	e/	C,W	D,S	Iron casing to bottom. Reported weak supply.
127	--	6	e/	C,W	D	Iron casing to bottom.

## Records of wells in San Patricio County--Continued

No.	Distance from Aransas Pass	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
128	$\frac{1}{2}$ mile northwest	lot 5	blk. 417, McCampbell subdv.	C. N. Vaughan	C. N. Vaughen	1933	56	4
129	$\frac{1}{2}$ mile northwest	lot 7, cen.	blk. 353, McCampbell subdv.	B. A. Lindmen	B. A. Lindman	--	76	4
130	do.	lot 1	do.	Central Power & Light Co.	H. Baker	1927	60	4
131	$1\frac{1}{2}$ miles northwest	lot 8, NW <sup>1</sup>	blk. 206, McCampbell subdv.	D. C. Walker	M. Baker	1935	67	3
132	$1\frac{1}{2}$ miles northwest	lot 5, NE <sup>1</sup>	do.	Mrs. E. H. McCracken	E. Stewart	1931	67	6
133	$\frac{3}{4}$ mile southwest	lot 1	blk. 15, McCampbell subdv.	Lloyd Richardson	Lloyd Richardson	1933	74	6
d/134	do.	lot 2	blk. 18, McCampbell subdv.	City of Aransas Pass	do.	1935	63	8
135	$1\frac{1}{2}$ miles southwest	lot 4, N <sup>1</sup>	blk. 48, McCampbell subdv.	V. Johnson	J. M. Tabor	1924	40	3
136	$1\frac{1}{2}$ miles southwest	lot 6, SW <sup>1</sup>	do.	E. A. Dickinson	M. Baker	1937	44	3
d/137	$2\frac{1}{2}$ miles southwest	lot 3, N <sup>1</sup>	blk. R, McCampbell subdv.	Lucie Kinney	--	1923	15	--
138	do.	lot 4, NE <sup>1</sup>	do.	J. F. Gambill	M. Baker	1936	36	4
139	$2\frac{3}{4}$ miles southwest	lot 5, S <sup>1</sup>	do.	H. Blagg	Joe Crew	1937	44	3
140	3 miles southwest	lot 11, NW <sup>1</sup>	blk. E, McCampbell subdv.	Bruce Hannah	--	--	24	4
141	$2\frac{1}{2}$ miles southwest	lot 14, N <sup>1</sup>	do.	Miss -- Caldwell	--	1918	56	4
142	do.	lot 15, S <sup>1</sup>	blk. D, McCampbell subdv.	A. L. Maley	--	1908	50	3
143	3 miles southwest	lot 16, NW <sup>1</sup>	blk. E, McCampbell subdv.	Blade Dunn	--	Old	--	--
144	$3\frac{1}{2}$ miles southwest	do.	blk. F, McCampbell subdv.	Fred McMullen	Fred McMullen	1936	35	4
145	4 miles southwest	lot 5, S <sup>1</sup>	blk. H, McCampbell subdv.	H. A. Stevens	H. A. Stevens	1915	50	4
146	$3\frac{3}{4}$ miles southwest	lot 53, N <sup>1</sup>	do.	Lee Blaylock	Lee Blaylock	1935	40	4
147	do.	lot 4, cen.	blk. J, McCampbell subdv.	Dr. H. A. Thomas	M. Baker	1935	38	4
148	4 miles southwest	lot 3, S <sup>1</sup>	blk. L, McCampbell subdv.	W. T. Harris	W. T. Harris	1936	51	1 $\frac{1}{2}$
149	$5\frac{1}{2}$ miles southwest	cen.	abs. 283	Tom Wright	--	1929	92	3
150	6 miles southwest	do.	abs. 271	A. C. Smith	--	1927	85	3 $\frac{1}{2}$
151	do.	do.	abs. 225	Humble Oil Co.	Layne-Texas Co.	1926	57	4
152	do.	E <sup>1</sup>	abs. 225	do.	do.	1938	57	4
153	7 miles southwest	--	abs. 295	G. E. Franke	G. E. Franke	1937	32	6
154	$6\frac{1}{2}$ miles southwest	--	do.	F. C. Weber	F. C. Weber	1935	60	4

## Records obtained by C. E. Johnson, G. T. Gromack and S. S. Nye.

No.	Height of Water level		Date of measure- ment	Pump and power b/ c/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measur- ing point (ft.)				
128	--	14	e/	C,E	D,S	Iron casing to bottom. Reported strong supply.
129	4.0	15	Sept. 12, 1938	C,W	D,S	Do.
130	--	20	Sept. 15, 1938	C,E, 5	Ind	Do.
131	--	22	e/	C,W	D,S	Do.
132	5.0	25.2	Sept. 12, 1938	C,W	D,S	Do.
133	0.4	10.1	July 16, 1938	T,E, --	D	Iron casing to bottom. See log.
134	--	3	e/	C,G	F	Iron casing to bottom. Reported 4 feet of drawdown after pumping 90 gallons a minute for several hours.
135	1.0	6.3	June 26, 1938	C,W	D,S	Iron casing to bottom. Reported never fails.
136	2.2	10	do.	C,H	D,S	Do.
137	--	--	--	C,H	N	Iron casing to bottom.
138	2	11.6	June 26, 1938	C,H	D,S	Iron casing to bottom. Reported strong supply.
139	2.5	5.8	Sept. 13, 1938	C,W	D,S	Do.
140	0.1	14.7	June 27, 1938	C,H	D,S	Iron casing to bottom. Reported weak supply.
141	0	14.2	June 24, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply never fails.
142	--	--	--	C,H	D,S	Reported never fails.
143	--	--	--	C,h	D,S	Do.
144	1.3	20.7	June 22, 1938	C,H	D,S	Iron casing to bottom. Reported strong supply.
145	1.0	17.7	Sept. 13, 1938	C,W	D,S	Iron casing to bottom.
146	3.0	20.7	do.	C,W	D,S	Iron casing to bottom. Reported strong supply.
147	0	8.3	do.	C,W	D,S	Do.
148	--	22	e/	C,W	S	Do.
149	1.0	22.6	Jan. 31, 1939	C,W	D,S	Do.
150	--	16	e/	C,W	D,S	Do.
151	0	26.2	Jan. 29, 1939	A,G, 1	D	Reported yield, 3 gallons a minute.
152	0	21.6	do.	A,G, 1	D	Do.
153	0	10.4	Sept. 16, 1938	C,H	D	Reported weak supply.
154	2.0	22.7	do.	C,W	D	Iron casing to bottom. Reported strong supply.

## Records of wells in San Patricio County--Continued

No.	Distance from Gregory	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
201	11 miles northwest	lot 1, SE <sup>1</sup> SW <sup>1</sup>	blk. 35, 4th Taft subdv.	W. R. Peterson	--	1916	180	3
202	10 $\frac{1}{2}$ miles north	lot 1, SW <sup>1</sup> NE <sup>1</sup>	blk. 36, 4th Taft subdv.	F. Quaile	E. T. Elwood	1926	186	5
203	do.	lot 6, NW <sup>1</sup> SE <sup>1</sup>	blk. 37, 4th Taft subdv.	W. T. Whitehead	--	1922	190	3
204	10 miles north	lot 4, SE <sup>1</sup> SW <sup>1</sup>	blk. 38, 4th Taft subdv.	W. W. Sanders	--	1927	205	4
205	do.	lot 1, SW <sup>1</sup> SW <sup>1</sup>	blk. 41, 4th Taft subdv.	C. D. Whatley	--	1921	214	4
206	9 miles north	lot 1, NE <sup>1</sup> SW <sup>1</sup>	blk. 32, 3rd Taft subdv.	L. R. Saddler	--	1926	194	2
207	do.	lot 5, SE <sup>1</sup> SE <sup>1</sup>	blk. 20, 3rd Taft subdv.	W. D. C. Jones	--	1920	207	4
208	8 $\frac{1}{2}$ miles north	lot 3, NE <sup>1</sup> SW <sup>1</sup>	do.	C. C. Willis	--	1925	210	4
209	9 miles north	lot 1, NE <sup>1</sup> NW <sup>1</sup>	blk. 28, 4th Taft subdv.	J. P. Gilliland	E. T. Elwood	1919	196	3 $\frac{1}{2}$
210	9 $\frac{1}{2}$ miles northwest	lot 2, SE <sup>1</sup> NW <sup>1</sup>	blk. 26, 4th Taft subdv.	J. A. Hurt	--	1922	186	4
211	10 miles northwest	lot 1, SE <sup>1</sup> NE <sup>1</sup>	blk. 25, 4th Taft subdv.	Blake & Mayo	--	1921	180	2 $\frac{1}{2}$
212	9 $\frac{1}{2}$ miles northwest	lot 8, SW <sup>1</sup> SW <sup>1</sup>	blk. 23, 3rd Taft subdv.	Louis Schroeder	E. T. Elwood	1929	173	3 $\frac{1}{2}$
213	8 $\frac{1}{2}$ miles northwest	lot 3, NW <sup>1</sup> NW <sup>1</sup>	blk. 22, 3rd Taft subdv.	Root & Carnody	Layne-Texas Co.	1916	185	4
214	do.	lot 1, NE <sup>1</sup> SW <sup>1</sup>	blk. 6, 2nd Taft subdv.	J. L. Brittain	--	1921	180	4
215	8 miles northwest	lot 2, SE <sup>1</sup> SE <sup>1</sup>	do.	W. R. Jackson	--	1926	226	4
216	do.	lot 4, SE <sup>1</sup> SE <sup>1</sup>	do.	Homer Esterwood	--	1922	186	3 $\frac{1}{2}$
217	7 $\frac{1}{2}$ miles northwest	lot 3, SW <sup>1</sup> SW <sup>1</sup>	blk. 7, 3rd Taft subdv.	J. D. Patrick	--	1920	220	4
218	7 miles northwest	lot 1, SW <sup>1</sup> SW <sup>1</sup>	blk. 12, 3rd Taft subdv.	Herring & McDonald	--	--	184	2 $\frac{1}{2}$
219	7 miles north	lot 3, NE <sup>1</sup> SE <sup>1</sup>	do.	H. D. Richey	--	1925	412	4
220	7 $\frac{1}{2}$ miles north	lot 5, NE <sup>1</sup> NE <sup>1</sup>	do.	J. R. Richey	E. T. Elwood	1928	147	2
221	7 miles north	lot 1, SE <sup>1</sup> SE <sup>1</sup>	blk. 13, 3rd Taft subdv.	Sam Brewer	--	1921	210	4
222	do.	lot 4, SW <sup>1</sup> NE <sup>1</sup>	do.	W. K. Bartsel	--	1927	200	3 $\frac{1}{2}$
223	do.	lot 4, NE <sup>1</sup> NE <sup>1</sup>	blk. 18, 5rd Taft subdv.	F. C. Morris	E. T. Elwood	1926	203	4
224	6 $\frac{1}{2}$ miles north	lot 1, NE <sup>1</sup> NW <sup>1</sup>	blk. 61, 5th Taft subdv.	J. B. Cage	do.	1926	150	4
225	6 miles north	lot 5, SW <sup>1</sup> SW <sup>1</sup>	do.	D. C. Reed	--	1925	180	3 $\frac{1}{2}$

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.

## Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of measuring point above ground (ft.)	Water level		Pump and power	Use of water	Remarks
		Depth below measuring point (ft.)	Date of measurement			
201	--	25	e/	C,W	D,S	Reported strong supply.
202	1.6	22.5	Jan. 13, 1939	C,W	D,S	Do.
203	2.1	36.2	Oct. 27, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
204	1.3	33.1	do.	C,W	D,S	Do.
205	--	16	e/	C,W	D,S	Do.
206	--	26	e/	C,W	D,S	Do.
207	--	26	e/	C,W	D,S	Do.
208	1.3	26.4	Oct. 27, 1938	C,W	D,S	Do.
209	--	26	e/	C,W	D,S	Do.
210	--	26	e/	C,W	D,S	Do.
211	1.3	26.2	Jan. 13, 1939	C,W	D,S	Do.
212	--	35	e/	C,W	D,S	Iron casing to bottom.
213	1.3	23.1	Jan. 13, 1939	C,W	D,S	Reported strong supply.
214	0	35	Dec. 9, 1938	C,W	D,S	Iron casing to bottom.
215	--	26	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.
216	1.7	26.5	Oct. 26, 1938	C,W	D,S	Do.
217	1.2	33.2	Oct. 25, 1938	C,W	D,S	Do.
218	--	32	e/	C,G, 4	D,S, Ind	Reported seismograph blasting affected quality of water.
219	--	26	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.
220	--	21	e/	C,W	D,S	Iron casing to bottom.
221	2.1	32.1	Oct. 25, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
222	--	26.7	Oct. 27, 1938	C,W	D,S	Do.
223	1.6	26.2	do.	C,W	D,S	Do.
224	2.0	40.1	Oct. 17, 1938	C,W	D,S	Iron casing to bottom.
225	--	20	e/	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.

## Records of wells in San Patricio County--Continued

No.	Distance from Gregory	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
226	5 1/2 miles north	lot 1, NW 1/4 SE 1/4	blk. 33, 5th Taft subdv.	T. A. Verner	E. T. Elwood	1923	175	4
227	5 miles northeast	lot 7, NE 1/4 SE 1/4	do.	Dr. J. H. Harvey	--	1921	230	4
228	do.	SE 1/4 NE 1/4	blk. 11, Rincon subdv.	do.	--	1926	186	6
229	4 1/2 miles northeast	SE 1/4 NW 1/4	blk. 13, Rincon subdv.	Josie Jones	--	1925	200	2 1/2
230	4 1/2 miles northeast	lot 20, NE 1/4 SE 1/4	blk. C	Dr. J. H. Harvey	--	1928	230	4
231	3 1/2 miles northeast	lot 8, SE 1/4 SE 1/4	Rincon subdv.	do.	--	1927	160	3
232	4 1/2 miles east	lot 6, NW 1/4 NW 1/4	do.	do.	--	1927	160	4
233	5 miles north	lot 7, SW 1/4 SW 1/4	blk. 60	Root & Locke	--	1927	210	4
234	6 miles north	lot 4, NE 1/4 NE 1/4	blk. 17, 3rd Taft subdv.	T. G. Myers	E. T. Elwood	1927	186	4
235	do.	lot 4, SE 1/4 NW 1/4	do.	do.	--	1923	180	4
236	5 1/2 miles north	lot 4, NW 1/4 SE 1/4	do.	J. E. Brooks	E. T. Elwood	--	216	4
237	do.	lot 7, NW 1/4 NW 1/4	blk. 16, 3rd Taft subdv.	W. L. Roots	E. T. Elwood	1921	226	4
238	do.	lot 1, SW 1/4 SW 1/4	blk. 17, 3rd Taft subdv.	R. L. Childress	do.	1925	210	4
239	6 miles north	lot 2, SE 1/4 SE 1/4	blk. 14, 3rd Taft subdv.	H. D. Rothrock	--	1921	196	6
240	6 1/2 miles north	lot 8, SW 1/4 NE 1/4	do.	Mat. S. Burford	--	1922	180	4
241	6 miles north	lot 4, SE 1/4 SE 1/4	blk. 11, 3rd Taft subdv.	D. W. Buckley	--	1921	190	4
242	6 1/2 miles northwest	lot 3, SW 1/4 SW 1/4	blk. 8, 3rd Taft subdv.	J. C. Carroll	-- McNeal	1924	189	5
243	7 miles northwest	lot 1, SW 1/4 SW 1/4	do.	Mrs. Emma Herron	--	1933	170	--
244	do.	lot 4, SE 1/4 SE 1/4	blk. 5, 2nd Taft subdv.	D. T. Burgess	E. T. Elwood	1927	176	3
245	7 1/2 miles northwest	lot 1, SW 1/4 SW 1/4	do.	R. Spadlenak	--	1936	148	2
246	6 1/2 miles northwest	lot 8, SW 1/4 SW 1/4	blk. 9, 2nd Taft subdv.	R. B. Benson	R. B. Benson	--	180	3
247	6 miles northwest	lot 1, SE 1/4 SE 1/4	do.	H. R. Moore	R. McNeil	1924	179	4
248	5 1/2 miles northwest	lot 3, SW 1/4 NE 1/4	blk. 10, 2nd Taft subdv.	J. B. Cage	--	1931	180	3
249	5 miles north	lot 1, NE 1/4 SE 1/4	blk. 15, 2nd Taft subdv.	J. D. Patrick	--	1932	132	2
250	do.	lot 3, NE 1/4 SE 1/4	do.	do.	J. D. Patrick	1932	120	2
251	5 1/2 miles north	lot 5, SE 1/4 NW 1/4	do.	do.	--	1921	210	4



Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of Water level		Date of measurement	Pump and power b/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)				
226	1.3	26.4	Oct. 17, 1938	C,W	D,S	Iron casing to bottom.
227	--	30	e/	C,W	S	Do.
228	1.0	13.3	Oct. 15, 1958	C,W	D,S	Iron casing to bottom. Reported strong supply.
229	--	50	e/	C,W	D,S	Do.
230	--	30	e/	C,W	S	Iron casing to bottom.
231	1.8	36.2	Oct. 13, 1938	C,W	S	Iron casing to bottom. Reported strong supply.
232	--	60	e/	C,W	S	Iron casing to bottom.
233	1.8	18	Sept. 20, 1938	C,W	I	Do.
234	1.6	20.1	Oct. 17, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
235	--	22	e/	C,W	S	Iron casing to bottom.
236	1.2	18	Oct. 17, 1938	C,W	D,S	Iron casing to bottom. Reported strong supply.
237	1.2	80.6	do.	C,W	D,S	Iron casing to bottom. Reported weak supply.
238	2.0	20.3	do.	C,W	D,S	Iron casing to bottom. Reported strong supply.
239	--	35	e/	C,W	D,S	Do.
240	1.2	26.0	Oct. 25, 1958	C,W	D,S	Do.
241	--	22	e/	C,W	D,S	Do.
242	--	30	e/	C,W	D,S	Iron casing to bottom.
243	--	10	e/	C,W	D,S	Iron casing.
244	--	36	e/	C,W	S	Do.
245	1.5	40.9	Oct. 26, 1958	C,W	D,S	Iron casing to bottom. Reported strong supply.
246	--	60	e/	C,W	D,S	Do.
247	--	32	e/	C,W	D,S	Do.
248	0.8	44.5	Oct. 10, 1938	C,W	S	Iron casing to bottom.
249	2.0	22.6	Sept. 21, 1958	C,W	D,S	Iron casing to bottom. Reported strong supply.
250	--	30	e/	C,W	D,S	6 feet of screen at bottom of well.
251	--	20	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.

## Records of wells in San Patricio County--Continued

No.	Distance from Gregory	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
252	4 $\frac{3}{4}$ miles north	lot 1, SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 16, 2nd Taft subdv.	Ed Klapuch	--	1927	200+	4
253	do.	lot 2, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Jose Chavatal	Jose Chavatal	1936	200	4
254	do.	lot 3, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Dr. J. H. Harvey	--	1929	180	2
255	do.	lot 1, NE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 9, 1st Taft subdv.	E. C. Willis	--	1911	120	4
256	4 miles northwest	lot 3, SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 14, 1st Taft subdv.	E. I. Cervenka	--	1935	180	2 $\frac{1}{2}$
257	4 $\frac{3}{4}$ miles northwest	lot 2, SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 8, 1st Taft subdv.	J. Ondrusck	--	1927	210	4
258	5 miles northwest	lot 2, SW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. 7, 1st Taft subdv.	J. H. Shell	--	1930	170	4
259	4 $\frac{3}{4}$ miles northwest	do.	blk. 17, 1st Taft subdv.	T. W. LaFarge	R. McNeil	1920	194	5
260	3 $\frac{1}{4}$ miles northwest	lot 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	August Flouke	--	1922	300	4
261	4 $\frac{3}{4}$ miles northwest	lot 10, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. C. Hunt	R. McNeil	1919	176	4
262	do.	lot 3, NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 12, 2nd Taft subdv.	J. D. Willis	Isidoro Martinez	1920	180	4
263	5 $\frac{1}{2}$ miles northwest	lot 1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 5, 2nd Taft subdv.	Joe Klapuch	R. McNeil	1920	196	3
264	do.	lot 2, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 4, 2nd Taft subdv.	H. C. Knickerbocker	Juan Morales	1922	173	4
265	6 $\frac{1}{2}$ miles northwest	SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 1, abs. 237	A. J. Guedin	A. J. Guedin	1932	120	2 $\frac{1}{2}$
266	8 miles west	SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 57, Paul subdv.	W. M. Spessard	--	1919	180	5
d/267	7 $\frac{1}{2}$ miles west	sec. 58, SW $\frac{1}{4}$ NW $\frac{1}{4}$	Coleman Fulton Pasture	A. L. Lucas	--	1920	180	5
268	7 miles west	sec. 58, cen. NE $\frac{1}{4}$	do.	do.	--	1921	250	5
269	6 miles west	SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 69, Paul subdv.	D. O. Crompton	George Ongtse	1911	165	4
270	do.	NW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 68, Paul subdv.	G. L. Dickerman Est.	--	1919	160	4
271	5 $\frac{1}{2}$ miles west	do.	blk. 72, Paul subdv.	Chas. Hassold	--	1921	180	4
272	do.	SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	D. F. Jones	--	1920	120	4
273	do.	NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. 73, Paul subdv.	Daniel P. Moore	--	1919	160	4
274	6 $\frac{1}{2}$ miles west	do.	blk. 66, Paul subdv.	Mrs. W. Griffith	--	1924	206	--
d/275	10 $\frac{1}{2}$ miles west	--	--	--	White Point Oil & Gas Co.	--	2,255	--
d/276	7 $\frac{1}{2}$ miles west	sec. 62, SE $\frac{1}{4}$ NE $\frac{1}{4}$	Paul subdv.	M. S. Brigham	Plymouth Oil Co.	1938	5,663	7
277	5 $\frac{1}{2}$ miles west	NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. 74, Paul subdv.	J. L. Custer	--	1923	200+	4

## Records obtained by C. E. Johnson, C. H. Cromack and S. S. Nye

No. measuring point	Height of Water level		Date of measurement	Pump and power	Use of water	Remarks
	above ground (ft.)	Depth below measuring point (ft.)				
252	2.0	32.6	Sept. 21, 1936	C, W	D, S	Iron casing to bottom. Reported strong supply.
253	--	30	e/	C, W	D, S	Jetted well. Iron casing to bottom.
254	1.2	22.5	Sept. 21, 1938	C, W	S	Iron casing to bottom.
255	--	27	e/	C, W	D, S	Do.
256	2.0	19.2	Sept. 7, 1938	C, W	S	Iron casing.
257	2.0	26	Sept. 21, 1938	C, W	D, S	Iron casing to bottom. Reported strong supply.
258	--	--	--	C, W	D, S	Do.
259	--	30	e/	C, W	D, S	30 feet of screen at bottom of well. Reported strong supply.
260	--	--	--	C, W	D, S	Iron casing to bottom.
261	--	25	e/	C, W	D, S	Iron casing to bottom. Reported strong supply.
262	--	60	e/	C, W	D, S	Do.
263	--	60	e/	C, W	D, S	Do.
264	1.2	22.5	Oct. 10, 1938	C, W	S	Iron casing to bottom.
265	--	52	e/	C, W	D, S	Do.
266	--	26	e/	C, W	S	Do.
267	--	26	e/	C, W	S	Iron casing to bottom. Reported strong supply.
268	--	35	e/	C, W	--	Iron casing to bottom.
269	--	35	e/	C, W	S	Reported strong supply.
270	0.8	19	Nov. 1, 1958	C, W	S	Do.
271	--	55	e/	C, W	S	Iron casing to bottom. Reported strong supply.
272	--	10	e/	C, W	S	Do.
273	--	22	e/	C, W	S	Iron casing to bottom.
274	--	25	e/	C, W	D, S	Iron casing to bottom. Reported strong supply.
275	--	--	--	--	--	Oil test. See log. Located near White Point.
276	--	--	--	--	--	Oil test. See log.
277	1.3	26.2	Nov. 2, 1953	C, W	D, S	Iron casing to bottom.

## Records of wells in San Patricio County--Continued

No.	Distance from Gregory	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
278	3 $\frac{1}{2}$ miles west	--	blk. 80, Paul subdv.	M. Critos	--	1919	210	4
279	4 $\frac{1}{2}$ miles west	SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 81, Paul subdv.	H. H. Hutto	--	1919	160	--
280	4 miles west	NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	H. W. Smith	--	1921	182	4
281	5 miles west	sec. K, SW $\frac{1}{4}$ SW $\frac{1}{4}$	Coleman Fulton Pasture	Ben E. Ivy	George Smith	1919	190	2 $\frac{1}{2}$
d/282	3 miles west	SW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. H, Paul subdv.	K. G. McKamey	Conroe Drilling Co.	1937	6,492	--
283	2 $\frac{1}{2}$ miles east	SE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 15, Gregory Farm Land	W. W. Tolan	E. T. Elwood	1927	220	3 $\frac{1}{2}$
284	1 $\frac{1}{2}$ miles east	NW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 1, Gregory Farm Land	M. K. Hunt	do.	1938	220	3 $\frac{1}{2}$
285	1 $\frac{1}{2}$ miles east	NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 6, Gregory Farm Land	Mrs. W. E. Schillen	--	1935	120	2
d/286	$\frac{3}{8}$ mile west	--	blk. O, Coleman Coleman Fulton Pasture	Coleman	--	--	2,280	--
d/287	2 miles southwest	SW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. Q, George Paul subdv.	J. E. Garrett	--	1935	180	4
d/288	3 $\frac{1}{2}$ miles southwest	--	--	Texas Well & Prospecting Co.	--	--	1,864	--

No.	Distance from Sinton	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
301	1 mile southwest	--	--	S.A.U. & G. R.R.	--	1915	122	8 $\frac{1}{2}$
302	9 $\frac{1}{2}$ miles west	sec. 39, SW $\frac{1}{4}$ SW $\frac{1}{4}$	George Paul subdv.	H. A. Adams	E. T. Elwood	1938	253	3 $\frac{1}{2}$
303	10 miles west	sec. 48, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	1919	227	4
304	do.	sec. 51, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Tom N. Hall	-- Jerkins	1924	263	5
305	11 miles west	sec. 8, cen.	S. Villareal sur.	William Herman	do.	1927	268	4
306	10 $\frac{1}{2}$ miles southwest	sec. 15, cen.	Cubage & Miller subdv.	do.	E. T. Elwood	1929	275	4
307	8 miles southwest	sec. 17, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. Pool	--	1936	220	4
308	11 miles southwest	sec. 5, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	C. H. Hughes	--	1933	260	4

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.

## Records obtained by C. L. Johnson, G. H. Cromack and S. S. Nye

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement			
278	--	26	<u>e/</u>	C,W	D,S	Iron casing to bottom. Reported strong supply.
279	--	21	<u>e/</u>	C,W	S	Do.
280	1.2	16.0	Nov. 1, 1938	C,W	D,S	Do.
281	--	26	<u>e/</u>	C,W	S	Do.
282	--	--	--	--	--	Oil test. See log.
285	2.0	18.3	Oct. 8, 1938	C,W	S	Iron casing to bottom.
284	1.2	18.4	do.	C,W	D	Do.
285	1.2	22.6	do.	C,W	S	Do.
286	--	--	--	--	--	Oil test. See log.
287	2.0	26.1	Oct. 8, 1938	C,W	S	Iron casing to bottom.
288	--	--	--	--	--	Oil test. See log.

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement			
301	--	--	--	--	--	Located at Timon's siding. See log.
302	--	60	<u>e/</u>	C,W	D,S	Cased to bottom. Reported strong supply.
303	--	75	<u>e/</u>	C,W	D,S	Do.
304	--	50	<u>e/</u>	C,W	D,S	Do.
305	--	190	<u>e/</u>	C,W	D,S	Do.
306	--	90	<u>e/</u>	C,W	D,S	Cased to bottom.
307	--	106	<u>e/</u>	C,W	D,S	Cased to bottom. Reported strong supply.
308	--	95	<u>e/</u>	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.

## Records of wells in San Patricio County--Continued

No.	Distance from Sinton	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/309	12 miles southwest	--	V. T. & Pedro Villarsal sur.	Welder Est.	Atkins G. Neal Oil Co.	1934	6,003	7
d/310	3 miles southwest	sec. 114	Welder & Odem subdv.	T. D. Cook	T. D. Cook	1912	75	48
311	7 1/2 miles southwest	--	--	City of Odem	--	1936	96	8
d/312	5 miles southwest	--	Welder & Odem subdv.	Nee See Oil Co.	--	--	2,163	--
313	4 3/4 miles southwest	sec. 35 SW 1/4 NE 1/4	Coleman Fulton Pasture	Mrs. N. Gerard	--	1933	93	4
314	4 1/2 miles southwest	--	Welder & Odem subdv.	Mrs. B. Knoble	B. Knoble	1909	80	4
d/315	2 1/2 miles south	lot 6,	Eatons subdv.	C. E. Gray	T. D. Brackett	1912	220	--
d/316	1 1/2 miles south	lot 5,	do.	do.	E. T. Elwood	1926	110	4
317	1 1/2 miles southwest	sec. 3, SW SW	blk. 25, Eatons subdv.	Mrs. E. Lemons	do.	1936	86	--
318	1 1/2 miles west	sec. 24, con.	Follan tract	J. D. Cox	do.	1927	220	4
319	3 miles west	sec. 8, N	Coleman Fulton Pasture	J. H. Barber	do.	1936	285	4
320	4 miles west	sec. 20, S	George Morris tract	J. Bennett	Terso Irreno	1933	183	4
321	7 miles west	NE NE	John Henderson tract	John Hancock Life Ins. Co.	--	1919	200+	4
322	do.	sec. 3, N	--	T. J. Warnell Est.	--	1935	205	4
323	8 miles west	sec. 1, SW SW	J. J. Welder	P. Vasquez	--	1933	96	4
324	do.	sec. 37, NE N	Faul subdv., Welder Ranch	J. S. Johnson	E. T. Elwood	1935	285	4
325	6 miles northwest	sec. 10, SW SE	do.	E. D. Smith	--	1926	96	4
326	8 miles northwest	sec. 13, SE NE	do.	Alvin Bremen	--	1935	85	4
327	8 miles west	sec. 17, SE SE	do.	T. Kinney	--	1932	93	5
328	9 miles west	sec. 16, SE NE	do.	H. P. Ramsey	--	1933	85	4
329	10 miles west	sec. 16, SW SW	do.	Mrs. J. A. Johnson	E. T. Elwood	1929	198	4
330	10 miles west	sec. 15, SW SE	do.	do.	-- Jenkins	1912	189	4
331	10 miles west	sec. 16, N N	do.	A. Hartzendorf	--	1928	85	4
332	11 miles west	sec. 14, SE NE	do.	J. V. Clark	E. T. Elwood	1927	93	5
333	12 miles west	sec. 11, NE NE	do.	Joe Sherry	do.	1933	96	5
334	10 miles northwest	sec. 7, NW NW	do.	J. G. Summers	J. G. Summers	1926	92	4

Records obtained by C. L. Johnson, G. H. Cronack and S. S. Nye

No.	Height of Water Level		Date of measurement	Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	measuring point above ground (ft.) <u>a/</u>	Depth below measuring point (ft.)				
309	--	--	--	--	--	Oil test. See log.
310	--	71	--	--	--	Dug well; lined with bricks.
311	0.6	70	Mar. 20, 1939	T, E, 15	D, S	Reported yield, 10 gallons a minute.
312	--	--	--	--	--	Oil test. See log.
313	1.6	66.2	Mar. 20, 1939	C, W	D, S	Cased to bottom. Reported strong supply.
314	--	40	<u>e/</u>	C, W	D, S	Do.
315	--	40	<u>e/</u>	C, W	D, S	Water from fine-grained sand. No. 60 wire screen, 212 to 220 feet.
316	--	40	<u>e/</u>	C, W	D, S	Water from fine-grained sand, 102 to 110 feet. Eight feet of No. 60 wire screen.
317	--	43	<u>e/</u>	C, W	D, S	Cased to bottom. Reported strong supply.
318	--	65	<u>e/</u>	C, W	D, S	Do.
319	1.2	52.5	Mar. 15, 1939	C, W	D, S	Do.
320	--	90	<u>e/</u>	C, W	D, S, Ind	Well supplies ten families, one gin, and stock with plenty of water.
321	--	150	<u>e/</u>	C, W	S	Cased to bottom. Reported strong supply.
322	--	85	<u>e/</u>	C, W	S	Cased to bottom. Water reported salty.
323	--	75	<u>e/</u>	C, W	D, S	Cased to bottom. Reported strong supply.
324	2.0	35	Mar. 15, 1939	C, W	D, S	Do.
325	--	50	<u>e/</u>	C, W	D, S	Do.
326	1.4	72.1	Mar. 15, 1939	C, W	D, S	Do.
327	--	70	<u>e/</u>	C, W	D, S	Do.
328	--	60	<u>e/</u>	C, W	D, S	Do.
329	--	30	<u>e/</u>	C, W	D, S	Do.
330	--	25	<u>e/</u>	C, W	D, S	Do.
331	--	70	<u>e/</u>	C, W	D, S, Ind	Do.
332	--	82	<u>e/</u>	C, W	D, S	Do.
333	--	85	<u>e/</u>	C, W	D, S	Do.
334	1.3	67.2	Mar. 14, 1939	C, W	D, S	Do.

## Records of wells in San Patricio County--Continued

No.	Distance from Sinton	Lot, section or square	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
335	9 miles northwest	sec. 7, NE SW <sup>1</sup>	Paul subdv., Welder Ranch	W. L. Lovett	--	1920	92	5
336	9 1/2 miles northwest	sec. 60, SW SE <sup>1</sup>	do.	John Rozypal	--	1919	93	6
337	10 miles northwest	sec. 63, NW NE <sup>1</sup>	do.	Pablo Olivares	--	1937	105	4
338	9 1/2 miles northwest	sec. 61, SE SE <sup>1</sup>	do.	J. Sorenson	E. T. Elwood	1938	96	5 1/2
339	8 1/2 miles northwest	sec. 62, SE NE <sup>1</sup>	do.	Merle Wright	--	1937	102	5
340	8 miles northwest	sec. 61, SE NE <sup>1</sup>	do.	M. Oldrock	--	1933	103	4
341	do.	sec. 75, SE NE <sup>1</sup>	do.	W. B. Baldwin	E. T. Elwood	1931	96	2 1/2
342	7 miles northwest	sec. 77, NW SW <sup>1</sup>	do.	W. L. Fisk	do.	1926	102	4
343	6 miles north	--	M. J. De la Garza & Son subdv.	Welder Est.	Conroe Drilling Co.	1934	6,506	--
344	7 miles northwest	sec. 60, SE SE <sup>1</sup>	Paul subdv., Welder Ranch	R. B. Sherry	R. B. Sherry	1935	52	3
345	7 1/2 miles northwest	sec. 60, N SW <sup>1</sup>	do.	do.	--	1927	100	3
346	7 miles northwest	sec. 4, SW N <sup>1</sup>	do.	W. R. Wright	--	1927	85	5
347	8 miles northwest	sec. 5, NE NW <sup>1</sup>	do.	A. B. Boscamp	A. B. Boscamp	1932	100	4
348	7 1/2 miles northwest	sec. 6, SE SE <sup>1</sup>	do.	Chas. Duderstalt	-- Bromes	1919	92	4
349	do.	sec. 5, SW SW <sup>1</sup>	do.	C. Boscamp	--	1931	100	4
350	7 miles northwest	sec. 19, NW NE <sup>1</sup>	do.	W. L. Coates	W. L. Coates	1931	62	6
351	6 1/2 miles northwest	sec. 20, NE N <sup>1</sup>	do.	Sam Trylock	--	1926	98	6
352	6 miles northwest	lot 35	do.	Mrs. Martha Hunt	E. T. Elwood	1923	100	3
353	5 1/2 miles northwest	lot 41	do.	do.	do.	1927	162	6
354	4 1/2 miles northwest	lot 50, N <sup>1</sup>	do.	John Hancock Life Ins. Co.	--	1919	120	2 1/2
355	5 miles northwest	lot 43	do.	H. Y. Jurecek	H. Y. Jurecek	1929	125	4
356	4 1/2 miles northwest	lot 48	do.	Matt Rozypal	--	1928	60	4
357	4 1/2 miles northwest	lot 11	do.	Roy Parsley	--	1938	50	4
358	5 1/2 miles northwest	lot 61	do.	B. W. Huddo	--	1925	50	6
359	do.	lot 183	do.	I. E. Bushong	E. T. Elwood	1929	50	2 1/2
360	3 1/2 miles northwest	lot 113	do.	Grover Benson	--	1937	930	2



Records obtained by C. E. Johnson, G. H. Cromack and S. S. Nye

No.	Height of measuring point above ground (ft.)	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement			
335	--	25	<u>e/</u>	C,W	D,S,I	Supplies water to two families, large garden and stock.
336	--	85	<u>e/</u>	C,W	D,S	Cased to bottom. Reported strong supply.
337	--	90	<u>e/</u>	C,W	D,S	Do.
338	1.6	75.2	Mar. 14, 1939	C,W	D,S	Do.
339	2.1	92	do.	C,W	D,S	Do.
340	--	86	<u>e/</u>	C,W	D,S	Do.
341	--	66	<u>e/</u>	C,W	D,S	Do.
342	--	85	<u>e/</u>	C,W	D,S	Do.
343	--	--	--	--	--	Oil test. See log.
344	1.3	52.0	Mar. 11, 1939	C,W	D	Cased to bottom.
345	--	32	<u>e/</u>	C,W	D,S	Do.
346	1.7	72.3	Mar. 13, 1939	C,W	D,S	Cased to bottom. Reported strong supply.
347	--	33	<u>e/</u>	C,W	D,S	Do.
348	--	75	<u>e/</u>	C,W	D,S	Do.
349	--	30	<u>e/</u>	C,W	D,S	Do.
350	--	58	<u>e/</u>	C,H	D,S	Reported strong supply.
351	--	82	<u>e/</u>	C,W	D,S	Cased to bottom. Reported strong supply.
352	--	85	<u>e/</u>	C,W	D,S	Cased to bottom.
353	0.3	81.6	Jan. 13, 1939	C,W	D,S	Cased to bottom. Reported strong supply.
354	--	90	<u>e/</u>	C,W	D,S	Do.
355	--	22	<u>e/</u>	C,W	D,S	Do.
356	0	52.8	Jan. 13, 1939	C,W	D	Cased to bottom.
357	1.0	56.5	Mar. 11, 1939	C,W	D,S	Cased to bottom. Reported strong supply.
358	1.9	45.2	Jan. 13, 1939	C,W	D	Do.
359	2.0	35.2	Mar. 11, 1939	C,W	D	Do.
360	--	Flows	--	--	D,S	Cased to bottom. Reported flow 25 gallons a minute.

## Records of wells in San Patricio County--Continued

No.	Distance from Sinton	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
361	3 miles northwest	lot 111, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	Paul subdv., Welder Ranch	Grover Benson	--	1932	400	4
362	do.	lot 111	do.	H. F. Smith	--	1929	155	4
363	2 $\frac{1}{2}$ miles northwest	lot 59	Hazen subdv.	George Cook	--	1918	40	3
364	2 $\frac{1}{2}$ miles northwest	lot 12	do.	T. O. Dyer	--	1925	150	4
365	do.	lot 7, NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	John Pollan sur.	W. E. Reese	--	1938	150	4
366	1 mile northwest	sec. 118, cen. E side	do.	City of Sinton	T. T. Elwood	1911	936	4
367	do.	do.	do.	do.	do.	1929	936	6
368	3 $\frac{1}{2}$ mile northwest	do.	do.	do.	do.	1911	985	5.3
369	do.	do.	do.	do.	do.	1923	440	12.8
370	do.	do.	do.	do.	do.	1911	936	6
371	do.	do.	do.	do.	do.	1937	936	6
372	1 $\frac{1}{2}$ mile northwest	do.	do.	do.	do.	1911	936	4
376	1 $\frac{1}{2}$ miles north	SW of sec. 74	--	R. H. Welder	T. T. Elwood	1928	935	2 $\frac{1}{2}$
377	do.	sec. 74, SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	E. H. Welder Ranch sur.	Plymouth Oil Co.	Plymouth Oil Co.	1935	385	6
378	1 $\frac{1}{2}$ miles north	do.	do.	do.	do.	1935	908	7
379	do.	sec. 74, NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	do.	do.	do.	1935	366	8
380	2 miles northeast	sec. 75, NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	do.	Heep Oil Co.	Heep Oil Co.	1936	400 <sup>+</sup>	4
381	2 $\frac{1}{2}$ miles north	sec. 74, NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	do.	R. H. Welder	T. T. Elwood	1929	1,040	2 $\frac{1}{2}$
382	3 miles north	sec. 77, NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	do.	do.	do.	1929	930	2
d/383	4 miles north	sec. 1, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	Welder sur.	Welder Est.	Conroe Drilling Co.	1935	6,007	--
384	4 $\frac{1}{2}$ miles north	sec. 2, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	E. H. Welder Ranch sur.	R. H. Welder	T. T. Elwood	1918	900	--
385	3 $\frac{1}{2}$ miles northeast	sec. 19, SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	do.	do.	do.	1923	900	2
386	6 $\frac{1}{2}$ miles northeast	sec. 59, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	do.	do.	do.	--	345	2
d/387	5 miles northeast	sec. 34, NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	do.	do.	Benedum-Trees Oil Co.	1935	7,207	13
388	5 $\frac{1}{2}$ miles east	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	cen. abs. 210	Eliza A. Welder	--	1913	203	4

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.

## Records obtained by C. E. Johnson, G. H. Cronack and S. S. Nye

No.	Height of Water level		Date of measure- ment	Pump and power b/ c/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measur- ing point (ft.)				
361	--	--	--	Ng	D,S	Estimated yield, 50 gallons a minute.
362	1.6	26.2	Jan. 13, 1939	C,W	D,S	Cased to bottom. Reported strong supply.
363	--	10	e/	C,W	D,S	Cased to bottom.
364	2.1	22.6	Mar. 11, 1939	C,W	D,S	Do.
365	--	27	e/	C,W	D,S	Cased to bottom. Reported strong supply.
366	--	Flows	Nov. 17, 1938	None	P	Reported flow, 100 gallons a minute.
367	--	Flows	Apr. 13, 1939	None	P	Reported flow, 75 gallons a minute. City Well 2.
368	0	0	Nov. 17, 1938	None	N	Iron casing to bottom. City Well 5. See log.
369	--	18	e/	A,-, --	N	Estimated yield, 10 gallons a minute. City Well 3.
370	--	Flows	Nov. 17, 1938	None	P	Reported flow, 50 gallons a minute.
371	--	Flows	do.	None	P	Measured flow, 100 gallons a minute. City Well 6. See log.
372	--	Flows	Apr. 13, 1939	None	P	Reported flow, 60 gallons a minute. City Well 1.
376	--	Flows	Mar. 13, 1939	None	D,S	Reported flow, 15 gallons a minute. 20 feet of screen at bottom.
377	--	--	--	Ng	Ind	Reported yield, 40 gallons a minute.
378	--	Flows	Apr. 13, 1939	None	Ind	Reported flow, 50 gallons a minute. Furnishes water for swimming pool.
379	--	--	--	Ng	Ind	Reported yield, 40 gallons a minute.
380	--	--	--	Ng	N	Estimated yield, 50 gallons a minute.
381	--	Flows	Apr. 13, 1939	None	D,S	Cased to 1,020 feet. 20 feet of screen at bottom.
382	--	Flows	do.	None	D,S	20 feet of screen at bottom.
383	--	--	--	--	--	Oil test. See log.
384	--	Flows	Apr. 13, 1939	None	D,S	Estimated flow, 25 gallons a minute. 20 feet of screen at bottom.
385	--	Flows	do.	None	D,S	Estimated flow, 35 gallons a minute. 20 feet of screen at bottom.
386	--	--	--	C,W	D,S	20 feet of screen at bottom.
387	--	--	--	--	--	Oil test. See log.
388	--	27	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.

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

a/ 1/2 lb water sample collected for analysis.

e/ Water level reported.

## Records of wells in San Patricio County--Continued

No.	Distance from Sinton	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
389	7 miles east	NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 24, 4th Taft subdv.	Coleman Fulton Pasture Co.	--	1928	180	4
390	6 $\frac{1}{2}$ miles east	SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	1929	190	4
391	6 miles east	NW $\frac{1}{4}$ SE $\frac{1}{4}$	abs. 151	B. C. Baldwin	--	1922	200	4
392	6 $\frac{1}{2}$ miles east	SW $\frac{1}{4}$ NW $\frac{1}{4}$	J. W. Mayo	J. W. Mayo	J. T. Elwood	1921	189	4
393	7 miles east	SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	N.E. & J.W. Mayo	do.	1920	190	4
394	7 $\frac{1}{2}$ miles east	sec. 1, SW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 4, 2nd Taft subdv.	C. W. Pullin	Atlantic Refining Co.	1936	4,931	--
395	6 $\frac{1}{2}$ miles east	sec. 3, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 10, 1st Taft subdv.	H. D. Hughes	J. T. Elwood	1933	180	4
396	do.	sec. 7, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. E. E. Bridgewater	--	1929	187	2
397	6 miles east	sec. 5, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	D. I. Coggin	--	1922	210	4
398	5 $\frac{1}{2}$ miles east	sec. 6, NW $\frac{1}{4}$ N $\frac{1}{4}$	blk. 9, 1st Taft subdv.	S. E. Devendorf	J. T. Elwood	1922	210	4
399	5 miles east	sec. 2, NE $\frac{1}{4}$ SW $\frac{1}{4}$	blk. 47, 1st Taft subdv.	J. W. Bullard	--	1927	206	4
400	5 $\frac{1}{2}$ miles east	sec. 8, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	A. E. Nelson	J. T. Elwood	1922	205	4
401	4 $\frac{1}{2}$ miles east	sec. 5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. C. Hodges	do.	1937	200	4
402	3 $\frac{1}{2}$ miles east	sec. A, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	B. J. Willis	do.	1918	200	6
403	3 miles east	W $\frac{1}{2}$ W $\frac{1}{2}$	F. Schilhab tract	Frank Schilhab	--	1918	200	5
404	1 $\frac{1}{2}$ miles southeast	sec. 7	blk. 12, Eaton subdv.	Magnolia Petroleum Co.	A. H. Masiran	1935	346	7
405	3 $\frac{1}{2}$ miles southeast	sec. 4, SE $\frac{1}{4}$ NE $\frac{1}{4}$	1st Taft subdv.	A. Flouke	--	1919	200	4
406	do.	SW $\frac{1}{4}$ SW $\frac{1}{4}$	F. T. Hutcheler tract	F. T. Hutcheler	J. T. Elwood	1922	200	6
407	3 miles southeast	sec. 4, SW $\frac{1}{4}$ SW $\frac{1}{4}$	1st Taft subdv.	J. H. Schmalsiefer	do.	1919	210	4
408	do.	SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. R. Gossett	J. R. Gossett	1919	280	4
409	3 $\frac{1}{2}$ miles south	SW $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 14, Paul subdv.	W. C. McDaniel	--	1928	200	4
410	4 $\frac{1}{2}$ miles south	SE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. 15, Paul subdv.	C. H. Moore	--	1927	210	4
411	3 $\frac{1}{2}$ miles southeast	SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. 1, Paul subdv.	W. L. Lewis	--	1919	200	6
412	4 $\frac{1}{2}$ miles southeast	NE $\frac{1}{4}$ NW $\frac{1}{4}$	blk. F, Coleman Fulton Pasture	Mrs. J. T. Gregory	--	1927	180	4
413	do.	SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	A. O. Daly	--	1931	202	4
414	do.	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Driscoll & Regg tract	Ernest Guedin	J. T. Elwood	1918	160	4

Records obtained by C. E. Johnson, G. H. Cronack and S. S. Nye

No.	Height of Water level		Date of measurement	Pump and power b/	Use of water c/	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)				
389	--	27	e/	C,W	D,S	Iron casing to bottom. Reported strong supply.
390	--	24	e/	C,W	D,S	Do.
391	1.6	26	Jan. 6, 1939	C,W	D,S	Do.
392	--	22	e/	C,W	D,S	Iron casing to bottom.
393	--	27	e/	C,W	D,S	Do.
394	--	--	--	--	--	Oil test. See log.
395	--	20	e/	C,W	D,S	Iron casing to bottom.
396	--	60	e/	C,W	D,S	Do.
397	--	27	e/	C,W	D,S	Casing to bottom. Reported strong supply.
398	1.2	36	Jan. 7, 1939	C,W	D,S	Casing to bottom.
399	1.2	28.2	do.	C,W	D,S	Casing to bottom. Reported strong supply.
400	--	23	e/	C,W	D,S	Do.
401	1.2	27.6	Jan. 9, 1939	C,W	D,S	Casing to bottom.
402	--	40	e/	C,W	D,S	Casing to bottom. Reported never fails.
403	--	60	e/	C,W	D,S	Do.
404	--	20	e/	C,E, 5	D,S	Reported strong supply. 20 feet of screen at the bottom. See log.
405	1.6	29.3	Jan. 9, 1939	C,W	D,S	Casing to bottom.
406	--	40	e/	C,W	D,S	Reported strong supply.
407	--	42	e/	C,W	D,S	Casing to bottom.
408	--	100	e/	C,W	D,S	Casing to bottom. Reported strong supply.
409	--	50	e/	C,W	D,S	Do.
410	1.6	22.5	Jan. 9, 1939	C,W	D,S	Casing to bottom.
411	--	34	e/	C,W	D,S	Casing to bottom. Reported strong supply.
412	1.2	30.1	Jan. 4, 1939	C,W	D,S	Do.
413	--	19	e/	C,W	D,S	Do.
414	--	50	e/	C,W	D,S	Do.

Records of wells in San Patricio County--Continued

No.	Distance from Sinton	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
415	4½ miles southeast	NW¼SE¼	Driscoll & Megg tract	H. C. Oile	--	1929	210	5
416	5 miles southeast	SE¼SE¼	Farm 11, Coleman Fulton Pasture	A. T. Nelson	E. T. Elwood	1936	190	4½
417	do.	NE¼NW¼	Farm 12, Coleman Fulton Pasture	T. T. George	do.	1935	160	4
418	6 miles southeast	SW¼NE¼	Farm 8, Coleman Fulton Pasture	Coleman	do.	1935	220	4
419	5½ miles southeast	SE¼NE¼	Farm 17, Coleman Fulton Pasture	do.	E. T. Elwood	1932	210	4
420	6 miles east	sec. 6, NW¼SE¼	blk. 8	Hubert & Pyron	--	1919	210	3½
421	7 miles east	sec. 1, NW¼NW¼	blk. 2, 2nd Taft subdv.	Frank Moline	E. T. Elwood	1919	183	4
422	do.	sec. 2, NE¼NE¼	Packing House sur., abs. 86	Central Power & Light Co.	Layne-Texas Co.	1927	200	8
423	do.	sec. 2, S¼NE¼	do.	do.	do.	1927	200	8
424	8 miles east	sec. 5, NE¼SE¼	blk. 2, 2nd Taft subdv.	A. B. Teel	--	1918	180	4½
425	7½ miles east	sec. 5, SW¼SW¼	do.	M. S. Cook	Herman Irblock	1934	180	6
426	7½ miles southeast	S¼NW¼	Packing House sur., abs. 86	Central Power & Light Co.	Layne-Texas Co.	1927	200	8
427	do.	NE¼S¼	do.	do.	do.	1927	190	8
428	7 miles southeast	SW¼S¼	do.	do.	do.	1927	200	8
429	6½ miles southeast	SE¼SE¼	Farm 3, Coleman Fulton Pasture	C. B. Patterson	--	1931	210	4
430	do.	SE¼SE¼	Farm 4, Coleman Fulton Pasture	Coleman	E. T. Elwood	1932	210	4

No.	Distance from Mathis	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
a/451	1½ miles northwest	lot 11, S¼	Delgado sur.	A. Soehnge	Large Oil Co.	1937	6,307	--
452	In Mathis	--	Mathis townsite	Sid Hall	T. M. Jenkins	1925	502	6
a/453	do.	--	do.	E. J. Whitworth	Arthur A. Jenkins	1920	140	6
454	do.	--	do.	D. Stone	--	--	140	4

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.

Records obtained by C. E. Johnson, G. I. Cronack and S. S. Nye

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement			
415	--	21	<u>e/</u>	C, T	D, S	Casing to bottom. Reported strong supply.
416	--	40	<u>e/</u>	C, T	D, S	Do.
417	1.5	32.3	Jan. 4, 1939	C, W	D, S	Do.
418	--	33	<u>e/</u>	C, T	D, S	Casing to bottom.
419	--	36	<u>e/</u>	C, T	D, S	Casing to bottom. Reported strong supply.
420	--	19	<u>e/</u>	C, W	D, S	Do.
421	--	36	<u>e/</u>	C, T	D	Iron casing to bottom. Reported strong supply.
422	--	60	<u>e/</u>	T, I, 35	D, S	Iron casing to bottom. Reported yield, 580 gallons a minute. Gravel at bottom of well.
423	--	60	<u>e/</u>	T, I, 35	D, S	Do.
424	--	40	<u>e/</u>	C, T	D, S	Reported quality of water affected by seismograph operations.
425	--	19	<u>e/</u>	C, W	D	Iron casing to bottom.
426	--	60	<u>e/</u>	T, I, 35	D, S	Iron casing to bottom. Reported yield, 350 gallons a minute. Gravel walls.
427	--	60	<u>e/</u>	T, I, 35	D, S	Reported yield, 360 gallons a minute. Gravel walls. See log.
428	--	60	<u>e/</u>	T, I, 35	D, S	Reported yield, 350 gallons a minute. Gravel walls. Wells, 422, 423, 426, 427 and 428 furnish water for Portland, Gregory, Taft and Ingleside.
429	--	36	<u>e/</u>	C, T	D, S	Casing to bottom. Reported strong supply.
450	--	37	<u>e/</u>	C, T	D, S	Do.

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement			
451	--	--	--	--	--	Oil test. See log.
452	2.0	205	Mar. 16, 1939	C, W	D	Reported water level was 60 feet below surface, March, 1928. Water from fine-grained
453	--	--	--	C, I, 1	D, S	Water from coarse-grained white sand. Estimated yield, 1 to 2 gallons
454	--	110	<u>e/</u>	C, W	D, S	Iron casing to bottom. Reported a minute strong supply.

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

a/ No water sample collected for analysis.

e/ Water level reported.

## Records of wells in San Patricio County--Continued

No.	Distance from Mathis	Lot, section or share	Subdivision, abstract, or survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/455	In Mathis	--	Mathis townsite	J. S. Magnan & Co.	E. M. Jenkins	1925	241	6
456	$\frac{1}{2}$ mile southwest	--	do.	D. L. Frasier	B. L. Frasier	1932	70	6
i/457	1 mile southwest	--	do.	G. H. M. Wilson	E. M. Jenkins	1913	140	6
458	2 $\frac{1}{2}$ miles south	sec. 2, con.	T. J. Summers subdv.	K. P. Brown	--	1933	142	4

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; A, air-lift; number indicates horsepower.



Records obtained by C. E. Johnson, G. T. Cronack and S. S. Nye

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
		Depth below measuring point (ft.)	Date of measurement.			
455	--	95	<u>e/</u> 1928	I, S, --	D, S	Wrought iron casing; to 241 feet. Water sand from 220 to 241 feet.
456	1.2	61.5	Mar. 16, 1939	G, W	D, S	Casing to bottom. Reported strong supply.
457	--	90?	<u>e/</u> 1923	G, W	D, S	Water sand 110 to 140 feet.
458	--	105	<u>e/</u>	G, W	D, S	Casing to bottom. Reported strong supply.

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.

Table of Drillers' Logs, San Patricio County, Texas

	Thickness (Foot)	Depth (feet)
<u>Driller's log of well 45</u>		
Waterbury Oil Corp., Jean Davis well 1, 6 miles west of Aransas Pass.		
Surface soil - - - -	18	18
Clay - - - - -	22	40
Sand - - - - -	42	82
Broken shale and sand -	223	305
Shale - - - - -	205	510
Sandy shale - - - - -	260	770
Water sand - - - - -	40	810
Shale - - - - -	137	977
Sandy shale - - - - -	33	1010
Broken sand and shale -	115	1125
Sand and sticky shale -	459	1564
Sand and shale - - - -	336	1900
Sand and sticky shale -	415	2315
Sticky shale - - - - -	245	2560
Sand - - - - -	25	2585
Sticky shale and sand -	105	2690
Sticky shale - - - - -	209	2899
Shale with sand streaks -	181	3080
Shale - - - - -	23	3103
Sticky shale and lime -	95	3198
Sticky shale - - - - -	150	3348
Hard-packed streaks of sand - - - - -	104	3452
Hard-packed shale and sand	78	3530
Hard-packed shale - - -	55	3585
Sticky shale - - - - -	25	3610
Hard-packed shale and shells	258	3868
Hard-packed shale and lime	154	4022
Hard-packed sand and shale	433	4460
Hard-packed shale - - -	110	4570
Shale and shells - - - -	190	4760
Hard-packed shale with streaks of sand - - - -	134	4944
Hard-packed shale and shells - - - - -	113	5057
Hard-packed shale and sand	464	5521
Hard-packed sand - - - -	71	5592
Hard-packed sandy shale -	8	5600
Hard-packed sand and lime -	34	5634
Hard-packed sand and pyrites	254	5888
TOTAL DEPTH - - - - -		6717
CASING RECORD: 856 feet of 10 $\frac{1}{2}$ -inch casing.		

	Thickness (Foot)	Depth (feet)
<u>Driller's log of well 86</u>		
T. H. Bennight tract, $\frac{3}{4}$ miles west of Aransas Pass.		
Sandy clay - - - - -	6	6
White sand and calicho -	14	20
Yellow clay - - - - -	15	35
Water sand - - - - -	3	38
Tough red clay - - - - -	12	50

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 86--Continued</u>		
Loose-packed white water sand - - - - -		
	2	52
TOTAL DEPTH - - - - -		52
CASING RECORD: 52 feet of 4-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 98</u>		
Corgey and Grote, W. A. Scrivner well 1, 1 $\frac{1}{2}$ miles northwest of Aransas Pass.		
Shale and sand - - - -	1290	1290
Sticky shale - - - - -	227	1517
Shale, sandy shale and sand streaks - - - - -	203	1720
Hard streaks of sand - -	18	1738
Shale, boulders and streaks of sand - - - -	174	1912
Shale with streaks of sand	349	2261
Sticky shale and lime -	145	2406
Shale with streaks of sand	242	2648
Shale and sandy shale -	12	2660
Shale - - - - -	60	2720
Sand and shale - - - - -	240	2960
Shale - - - - -	293	3253
Shale and sand - - - - -	295	3555
Shale - - - - -	19	3572
Shale with sand streaks -	398	3970
Sand - - - - -	14	3984
Sandy shale - - - - -	53	4016
Hard-packed sand and lime	6	4022
Shale and lime - - - - -	20	4042
Shale with sand streaks -	258	4300
Sand and lime - - - - -	94	4394
TOTAL DEPTH - - - - -		7152
CASING RECORD: 1,018 feet of 10 $\frac{1}{2}$ -inch; 69 feet of 7-inch; 7,058 feet of 5 $\frac{1}{2}$ -inch casing and 7,152 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 99</u>		
Corgey and Grote, -- McCampbell Est. well 1, 1 $\frac{1}{2}$ miles northwest of Aransas Pass.		
Sand and gravel - - - - -	60	60
Shale - - - - -	15	75
Sand and gravel - - - - -	227	302
Shale and sand - - - - -	263	565
Sand - - - - -	25	590
Shale and sand - - - - -	544	1134
Shale - - - - -	114	1248
Soft-packed sand - - - -	24	1272
Shale with sand streaks -	228	1500
Sand streaks - - - - -	38	1538
Shale - - - - -	59	1597
Sand streaks - - - - -	26	1623
Shale - - - - -	57	1680
Shale and sand - - - - -	395	2075

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Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 99--Continued</u>		
Shale - - - -	163	2238
Hard-packed sand - - -	27	2265
Shale with sand streaks - - -	73	2400
Sand and shale - - - -	19	2419
Shale - - - -	76	2495
Sandy shale with streaks of sand - - - -	18	2513
Shale - - - -	22	2535
Shale and sand - - - -	159	2694
Shale, sand and lime - - -	259	2953
Shale and sand - - - -	263	3216
Shale with streaks of shells	276	3492
TOTAL DEPTH - - - -		7160
CASING RECORD: 1,018 feet of 10 <sup>3</sup> -inch and 7,147 feet of 5 <sup>1</sup> -inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 101</u>		
Corgoy and Grote, F. & G. Garlock well 1, 1 <sup>1</sup> miles northwest of Aransas Pass.		
Surface sand - - - -	117	117
Gravel and sand - - - -	33	170
Sand and shale - - - -	330	500
Shale - - - -	60	560
Packed sand - - - -	12	572
Sticky shale - - - -	28	600
Sand - - - -	14	614
Sandy shale - - - -	46	660
Sticky shale - - - -	90	750
Sand streaks - - - -	20	770
Sticky shale - - - -	22	792
Shale with sand streaks - -	331	1123
Shale - - - -	17	1140
Soft-packed sand - - - -	20	1160
Sticky shale - - - -	30	1240
Sand streaks - - - -	32	1272
Sticky shale - - - -	28	1300
Soft-packed sand - - - -	35	1335
Shale with sand streaks - -	775	2110
Shale - - - -	20	2130
Hard-packed sand - - - -	26	2156
Shale with sand streaks - -	144	2300
Shale - - - -	318	2618
Shale with sand streaks - -	419	3037
Hard-packed shale - - - -	38	3075
Shale and sand streaks - -	677	3752
Shale - - - -	182	3934
Sand and shale - - - -	36	4020
TOTAL DEPTH - - - -		7143
CASING RECORD: 1,012 feet of 10 <sup>3</sup> -inch; 3 feet of 7-inch and 7,143 feet of 5 <sup>1</sup> -inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 103</u>		
Corgoy and Grote, Hoard and Hoard well 1, 2 miles northwest of Aransas Pass.		
Sand and caliche - - - -	100	100
Sand and gravel - - - -	250	350
Shale - - - -	50	400
Sand - - - -	60	460
Sticky shale - - - -	141	601
Sand - - - -	34	635
Shale and sand - - - -	158	793
Shale - - - -	41	834
Shale and sand - - - -	794	1628
Shale, sand and lime - - -	493	2121
Shale and sand - - - -	95	2216
Hard-packed sand - - - -	36	2252
Sand and sand - - - -	18	2270
Hard-packed sand - - - -	27	2297
Shale and sand - - - -	1693	3990
Hard-packed sand - - - -	19	4009
Hard-packed shale and lime - - - -	91	4100
TOTAL DEPTH - - - -		7143
CASING RECORD: 1,003 feet of 10 <sup>3</sup> -inch; 74 feet of 7-inch; 7067 feet of 5 <sup>1</sup> -inch casing and 7,114 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 109</u>		
Corgoy and Grote, O. Gustafson well 2, 1 <sup>1</sup> miles northwest of Aransas Pass.		
Clay and sand - - - -	220	220
Sand and shells - - - -	190	400
Shale - - - -	100	500
Sandy shale - - - -	533	1033
Shale - - - -	45	1080
Sticky shale - - - -	95	1175
Shale and boulders - - - -	236	1411
Shale - - - -	100	1511
Shale with sand streaks	649	2160
Sticky shale - - - -	90	2230
Shale with sand streaks	170	2420
Shale - - - -	80	2500
Shale with sand streaks	100	2600
Sand - - - -	33	2633
Sticky shale - - - -	37	2720
Shale and lime - - - -	30	2800
Sticky shale - - - -	50	2850
Shale and lime - - - -	103	2953
Shale with sand streaks-	37	2990
Shale - - - -	85	3075
Shale with sand streaks-	125	3200
Shale - - - -	50	3250
Hard-packed sand - - - -	25	3275
Scale - - - -	10	3285
Sticky shale - - - -	90	3375

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Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 109--Continued</u>		
Shale and boulders	235	3660
Shale	90	3750
Sand	20	3770
TOTAL DEPTH		7143
CASING RECORD: 1,005 feet of 10 <sup>3</sup> -inch; 3 joints of 7-inch and 7,136 feet of 5 <sup>1</sup> - inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 111</u>		
Corgoy and Grote, L. J. Usher, et al well 2, 1 <sup>1</sup> miles northwest of Aransas Pass.		
Sand, gravel and chalk	563	363
Gravel	20	385
Shale	307	690
Sand	20	710
Shale	190	900
Sand and shale	40	940
Shale	94	1034
Shale and boulders	406	1440
Shale	210	1650
Shale with sand streaks	49	1699
Sticky shale	51	1750
Shale and lime	95	1825
Sticky shale	25	1850
Shale and lime	80	1930
Shale with sand streaks	410	2340
Shale	160	2500
Shale and boulders	45	2545
Shale and lime	275	2820
Shale and sand streaks	370	3190
Shale	60	3250
Shale with lime streaks	46	3296
Shale with sand streaks	604	3990
Hard-packed sand	15	4005
Shale with sand streaks	355	4360
Sand	15	4375
Sandy shale with lime streaks	49	4424
TOTAL DEPTH		7160
CASING RECORD: 1,005 feet of 10 <sup>3</sup> -inch; 77 feet of 7-inch and 7,075 feet of 5 <sup>1</sup> - inch casing; 7,144 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 112</u>		
Corgoy and Grote, W. A. Scrivner well 2, 2 miles northwest of Aransas Pass.		
Collar	12	12
Sand, clay and gravel	88	100
Sticky shale	322	922
Shale	138	1110
Sand	40	1150
Sticky shale	350	1500
Sand	10	1510
Brown sand and shale	90	1600

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 112--Continued</u>		
Sticky shale	550	2130
Shale and hard-packed sand	92	2222
Shale	338	2550
Sandy shale	150	2700
Shale	160	2860
Lime	6	2866
Sticky shale and lime	34	2900
Brown sand and shale	60	2960
Sticky shale	260	3220
Hard-packed shale	563	3785
Hard-packed shale and lime	1327	5110
TOTAL DEPTH		7140
CASING RECORD: 1,005 feet of 10 <sup>3</sup> -inch; 87 feet of 7-inch and 7,052 feet of 5 <sup>1</sup> - inch casing; 7,134 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 115</u>		
Corgoy and Grote, Dinsmore and Scrivner well 1, 1 <sup>1</sup> miles northwest of Aransas Pass.		
Surface soil	40	40
Shale, some sand streaks of clay	516	556
Shale	508	1064
Sand and boulders	270	1334
Sticky shale	166	1500
Sandy shale and boulders	175	1675
Sticky shale	40	1715
Broken sand and shale	260	1975
Sticky shale	95	2070
Shale	50	2100
Shale with sand streaks	561	2661
Sticky shale	589	3250
Shale	547	3797
Hard-packed shale and lime	1531	5328
TOTAL DEPTH		7140
CASING RECORD: 1,005 feet of 10 <sup>3</sup> -inch; 65 feet of 7-inch and 7,030 feet of 5 <sup>1</sup> - inch casing; 7,130 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 116</u>		
Corgoy and Grote, John S. McCampbell well 2, 2 miles northwest of Aransas Pass.		
Surface sand and caliche	90	90
Caliche	40	130
Sand	109	239
Sand and gravel	271	510
Shale and sand	422	932
Sticky shale	94	1026
Shale with sand streaks	88	1114
Shale	20	1134
Sand	42	1176
Caliche, sand and shale	188	1364
Caliche and shale	126	1490
Shale with sand streaks	537	2027

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 116--Continued</u>		
Shale - - - - -	33	2060
Sand and boulders - - - - -	179	2239
Shale - - - - -	141	2380
Shale with sand streaks - - - - -	277	2657
Shale - - - - -	43	2705
Shale with sand streaks - - - - -	35	2740
Shale - - - - -	63	2303
Sandy shale with sand streaks - - - - -	31	2884
Hard-packed sand - - - - -	16	2900
Shale with hard sand streaks - - - - -	444	3344
Shale with limo streaks - - - - -	166	3510
Sticky shale - - - - -	74	3584
Sandy shale - - - - -	30	3614
Shale - - - - -	143	3762
Hard-packed sandy shale and sand - - - - -	533	4350
Shale - - - - -	23	4375
TOTAL DEPTH - - - - -		7140
CASING RECORD: 993 feet of 10 <sup>3</sup> -inch and 7,140 feet of 7-inch casing; 7,134 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 117</u>		
Corgoy and Grote, John S. McCampbell well 1, 2 <sup>3</sup> / <sub>4</sub> miles northwest of Aransas Pass.		
Sand - - - - -	130	130
Shells - - - - -	10	140
Caliche - - - - -	310	450
Sand - - - - -	70	520
Shale and sand - - - - -	160	680
Sticky shale - - - - -	169	849
Shale and sand - - - - -	131	980
Sand and boulders - - - - -	55	1033
Sand - - - - -	12	1045
Sticky shale - - - - -	87	1132
Sandy shale - - - - -	33	1200
Sticky shale - - - - -	250	1450
Shale - - - - -	296	1746
Sand and boulders - - - - -	240	1986
Shale - - - - -	64	2050
Sand - - - - -	140	2190
Shale and boulders - - - - -	48	2238
Sticky shale - - - - -	322	2560
Sand and shale - - - - -	230	2790
Sticky shale - - - - -	108	2898
Hard-packed sand - - - - -	12	2910
Sticky shale - - - - -	306	3216
Shale and sand - - - - -	227	3443
Sticky shale - - - - -	329	3772
Sandy shale - - - - -	200	3972
Hard-packed sand - - - - -	17	3989
Sandy shale - - - - -	316	4305

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 117--Continued</u>		
Sand with limo streaks - - - - -	110	4415
TOTAL DEPTH - - - - -		7142
CASING RECORD: 1,018 feet of 10 <sup>3</sup> -inch and 7,135 feet of 7-inch casing; 7,124 feet of 2-inch tubing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 118</u>		
Corgoy and Grote, W. E. Tedford well 1, 2 <sup>3</sup> / <sub>4</sub> miles northwest of Aransas Pass.		
Surface sand and clay - - - - -	60	60
Sand and shale - - - - -	162	222
Sand and shale - - - - -	98	320
Shale - - - - -	55	355
Sand and shale - - - - -	680	1035
Sand - - - - -	15	1050
Sandy shale - - - - -	50	1100
Shale - - - - -	50	1150
Sand - - - - -	31	1161
Shale and shells - - - - -	60	1221
Shale - - - - -	199	1420
Sand and shale - - - - -	45	1465
Shale - - - - -	178	1643
Sand and shells - - - - -	126	1769
Shale - - - - -	33	1802
Sandy shale - - - - -	83	1885
Shale - - - - -	62	1947
Sandy shale - - - - -	30	1977
Sandy shale and shells - - - - -	34	2061
Sticky shale - - - - -	59	2120
Shale and shells - - - - -	142	2262
Sand - - - - -	51	2313
Shale - - - - -	125	2438
Sandy shale and shells - - - - -	77	2515
TOTAL DEPTH - - - - -		7149
CASING RECORD: 202 feet of 16-inch; 1,003 feet of 10 <sup>3</sup> -inch and 7,147 feet of 5-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 120</u>		
Baltic Drilling Co., McMulty Est. well 1, 2 <sup>3</sup> / <sub>4</sub> miles northwest of Aransas Pass.		
Sand and clay - - - - -	140	140
Sand - - - - -	360	500
Shale and shells - - - - -	60	560
Sand and shale - - - - -	770	1330
Sticky shale - - - - -	245	1575
Sand - - - - -	25	1600
Sandy shale - - - - -	40	1640
Sand and shale - - - - -	368	2008
Sticky shale - - - - -	82	2090
Shale - - - - -	934	3024
Sticky shale and hard-packed sand - - - - -	281	3305

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 120--Continued</u>		
Shale - - - - -	545	3650
Sticky shale - - - - -	50	3700
Sand and shale - - - - -	800	4500
Sand, shale and shells - - - - -	56	4556
Shale - - - - -	381	4937
Hard shale, lime and shells	60	4997
Shale - - - - -	179	5176
Hard shale - - - - -	231	5407
TOTAL DEPTH - - - - -		7123
CASING RECORD: 140 feet of 16-inch; 1,330 feet of 10 <sup>1</sup> / <sub>2</sub> -inch and 7,123 feet of 5 <sup>1</sup> / <sub>2</sub> -inch casing; 7,103 feet of 2-inch tubing.		

<u>Driller's log of well 133</u>		
Lloyd Richardson tract, <sup>1</sup> / <sub>2</sub> mile southwest of Aransas Pass.		
White surface sand - - - - -	18	18
Gray water sand - - - - -	16	34
Clay with sand streaks - - - - -	25	59
Shells and gray sand - - - - -	1	60
Green water sand - - - - -	14	74

<u>Driller's log of well 275</u>		
White Point Oil and Gas Co., 10 <sup>1</sup> / <sub>2</sub> miles west of Gregory.		
Clay - - - - -	15	15
Sand - - - - -	17	32
Rock - - - - -	1	33
Sand - - - - -	11	44
Rock - - - - -	1	45
Sand - - - - -	7	52
Rock - - - - -	1	53
Sand - - - - -	3	56
Rock - - - - -	4	60
Sand - - - - -	15	75
Rock - - - - -	11	86
Sand - - - - -	4	90
Rock - - - - -	1	91
Sand - - - - -	2	93
Rock - - - - -	1	94
Sand - - - - -	6	100
Rock - - - - -	9	109
Sand - - - - -	10	119
Rock - - - - -	8	127
Sand - - - - -	11	138
Rock - - - - -	3	141
Gumbo, soft - - - - -	7	148
Rock - - - - -	3	151
Soft gumbo - - - - -	5	156
Rock - - - - -	6	162
Sand - - - - -	3	165
Rock - - - - -	1	166
Sand - - - - -	4	170
Rock - - - - -	6	176

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 275--Continued</u>		
Sand - - - - -	51	227
Gumbo - - - - -	26	253
Rock - - - - -	4	257
Gumbo - - - - -	54	311
Hard packed sand - - - - -	9	320
White shale - - - - -	76	396
Sand - - - - -	44	440
Hard shale - - - - -	18	458
Soft shale - - - - -	11	469
Sand - - - - -	21	490
Gumbo - - - - -	20	510
Sand - - - - -	52	562
Gumbo - - - - -	18	580
Sand - - - - -	15	595
Gumbo - - - - -	25	620
Sand - - - - -	10	630
Gumbo - - - - -	11	641
Sand - - - - -	51	672
Gumbo - - - - -	33	705
Shale - - - - -	18	723
Gumbo - - - - -	10	733
Hard shale - - - - -	17	750
Sand - - - - -	31	781
Rock - - - - -	2	733
Gumbo - - - - -	22	805
Sand with gas - - - - -	9	814
Gumbo - - - - -	16	830
Soft shale - - - - -	80	910
Sand and gravel - - - - -	33	948
Shale, gas showing - - - - -	27	975
Soft shale - - - - -	15	990
Gumbo - - - - -	7	997
Soft red shale - - - - -	13	1010
Sand-rock - - - - -	9	1019
Gumbo - - - - -	5	1024
Rock - - - - -	6	1030
Gumbo - - - - -	17	1047
Sand, gas - - - - -	36	1083
Gumbo - - - - -	52	1115
Shale, gas - - - - -	42	1157
Rock - - - - -	3	1160
Gumbo - - - - -	14	1174
Shale - - - - -	11	1185
Gumbo - - - - -	22	1207
Packed sand - - - - -	30	1237
Gumbo - - - - -	58	1295
Rock - - - - -	13	1508
Gumbo, small rock - - - - -	49	1357
Sand - - - - -	33	1390
Gumbo - - - - -	10	1400
Shale and boulders (gas )	60	1460
Strata of rock, gumbo and shale, ranging from 1 to 3 feet each - - - - -	89	1549

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

Thickness		Depth		Thickness		Depth	
(feet)		(feet)		(feet)		(feet)	
<u>Driller's log of well 275--Continued</u>				<u>Driller's log of well 282</u>			
Gumbo	-	-	70	1625	Comroe Drilling Co., K. G. McKamey well 1		
Rock	-	-	7	1632	3 miles west of Gregory.		
Hard gumbo	-	-	3	1640	Surface soil	-	15
Rock	-	-	20	1660	Shale and sand	-	515
Gumbo	-	-	50	1710	Shale	-	30
Brown shale dry	-	-	6	1716	Sand	-	170
Gumbo	-	-	24	1740	Shale	-	70
Brown shale, gas	-	-	6	1746	Sand	-	50
Gumbo	-	-	36	1782	Shale and boulders	-	100
Packed sand and boulders;					Shale	-	60
gas	-	-	43	1825	Sand	-	80
Gumbo	-	-	22	1847	Shale and boulders	-	210
Rock	-	-	21	1868	Sand and boulders	-	80
Gumbo	-	-	2	1870	Shale	-	130
Shale and boulders, gas	-	-	39	1909	Sand and boulders	-	70
Gumbo	-	-	46	1955	Shale and boulders	-	100
Blue shale and boulders,					Shale	-	82
gas	-	-	23	1978	Sand and boulders	-	26
Soft rock	-	-	18	1996	Shale	-	122
Gumbo	-	-	23	2019	Sand and boulders	-	30
Fine blue shale	-	-	42	2061	Shale	-	50
Soft gumbo	-	-	39	2100	Sand and boulders	-	50
Hard shale	-	-	21	2121	Shale and boulders	-	102
Gumbo	-	-	29	2150	Shale and lime	-	149
Soft shale	-	-	10	2160	Sand and boulders	-	31
Rock	-	-	95	2255	Shale	-	12
TOTAL DEPTH?	-	-	2255		Sand and boulders	-	34
<u>Driller's log of well 276</u>				<u>Driller's log of well 286</u>			
Plymouth Oil Co., Mabel S. Brigham well					Colman Fulton Pasture Co., 1/2 mile west		
B-1, 7 1/2 miles west of Gregory.					of Gregory.		
Cellar	-	-	16	16	Black soil	-	4
Caliche	-	-	29	45	Yellow sand and clay	-	56
Sand, hard streaks	-	-	305	350	Clay and shells	-	25
Shale	-	-	70	420	Sand and clay	-	15
Sand and shale	-	-	390	810	White and bluish clay	-	60
Shale	-	-	40	850	Gray sand, water	-	20
Broken sandstone with					Gray sand and clay	-	20
streaks of shale	-	-	90	940	Gray sand	-	20
Shale with streaks of sand	1230		2170		White clay	-	30
Shale	-	-	50	2200	Blue clay and rock	-	80
Hard lime and shale	-	-	50	2250	Blue shale, boulders and		
Shale	-	-	390	2540	shells	-	70
Sand	-	-	84	2624			
Shale	-	-	51	2675			
Shale lime and sand	-	-	1360	4035			
Hard-packed sand	-	-	10	4045			
Broken sandstone and shale	65		4110				
Hard-packed sand	-	-	6	4116			
Sand with iron pyrites	-	-	152	4248			
TOTAL DEPTH	-	-	5663				
CASING RECORD: 1,194 feet of 13-inch							
and 5,650 feet of 7-5/8-inch casing;							
5,650 feet of 2-inch tubing.							

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 286--Continued</u>		
Blue clay and rock - - -	60	510
Blue sand, water - - -	50	540
Blue clay and boulders - -	90	630
White and green clay - - -	60	690
Clay and boulders - - -	70	760
Fine-grained sand, water -	10	770
Sticky white and blue clay	90	860
Clay and boulders - - -	80	940
Gray sand, water - - -	50	970
White clay - - - - -	15	985
White clay and shells - -	15	1000
Blue and white clay - - -	130	1130
Sand, salty - - - - -	20	1150
Blue clay and boulders - -	130	1280
Brown clay and rock - - -	35	1315
Reddish-colored clay - - -	205	1520
Fine-grained brown sand - -	23	1543
Fine-grained sand, salt water - - - - -	42	1585
Brown shale - - - - -	125	1710
Boulders and sand - - -	110	1820
Sand, salt, water and gas	56	1878
Boulders and sand rock - -	32	1960
Green clay and rock - - -	40	2000
Sand rock, soft - - - - -	10	2010
Tough brown shale - - -	13	2023
Sticky white clay - - -	257	2280
TOTAL DEPTH? - - - - -		2280

Driller's log of well 288

Texas Well and Prospecting Co., near Portland, 3 <sup>1</sup> / <sub>2</sub> miles southwest of Gregory.		
Yellow clay - - - - -	15	15
White sand - - - - -	6	21
Yellow clay - - - - -	39	60
Clay and shells - - - - -	25	85
Tough yellow clay - - -	11	94
Hard-packed sand - - -	8	102
White clay - - - - -	28	130
Coarse-grained gray sand, salt water - - - - -	30	160
Blue clay - - - - -	19	179
Gray sand, salt water - -	51	230
White clay - - - - -	53	283
Rock - - - - -	1	284
Blue-gray sand, water - -	13	297
Blue clay - - - - -	73	370
Blue shale - - - - -	40	410
Blue and white clay, boulders and shells - -	54	464
Fine sand and boulders; water - - - - -	23	487
Tough blue clay - - - - -	8	495
Coarse-grained sand, water	20	515

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 288--Continued</u>		
Blue and white clay - - -	23	538
Gray sand water - - -	14	552
Blue clay - - - - -	32	584
Hard sand and boulders -	26	610
Sticky blue and white clay - - - - -	30	640
Hard blue clay - - -	98	738
Green shale - - - - -	88	826
Gray sand and clay, water	56	882
Blue and white clay - - -	53	915
Sticky clay - - - - -	20	935
Sandrock and clay - - -	25	960
Sandrock - - - - -	20	980
Boulders and clay - - -	30	1010
Sandrock - - - - -	20	1030
Boulders and clay - - -	70	1100
Clay and sandrock - - -	20	1120
Shale and boulders - - -	27	1147
Sticky clay - - - - -	103	1250
Sand and shale - - - - -	23	1273
Tough hard clay - - -	42	1320
Clay and boulders - - -	27	1347
Gray sand and rock, water	13	1360
Tough clay and shale - -	130	1490
Clay and gypsum rock - -	140	1630
Packed sand and boulders	22	1652
Sand and boulders, water	56	1638
Green clay and rock - - -	26	1714
Boulders and sandrock - -	34	1748
Clay - - - - -	8	1756
Hard rock - - - - -	12	1763
Sticky clay - - - - -	22	1790
Very tough clay - - - - -	19	1809
Boulders, rock and clay-	55	1864
TOTAL DEPTH? - - - - -		1864

Driller's log of well 301

S. A. U. & G. R.R., at Timon's Siding, 15 miles west of Sinton.		
Surface soil - - - - -	5	5
Yellow clay - - - - -	45	50
Sticky yellow clay - - -	25	75
Sandy clay - - - - -	3	78
Sandy stone, water - - -	13	96
Hard-packed clay - - -	4	100
Sandy yellow clay - - -	22	122
TOTAL DEPTH - - - - -		122
CASING RECORD: 102 feet of 8 <sup>1</sup> / <sub>2</sub> -inch cas- ing, bottom joint perforated; 23 feet of 6-inch linopipe at bottom.		



Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 309</u>		
Atkins-O'Neil and Continental Oil Cos., Welder Est. well 1-A, 12 miles south- west of Sinton.		
Surface soil - - - -	10	10
Sand - - - - -	70	80
Clay and sand - - - -	65	145
Sand - - - - -	35	180
Shale - - - - -	20	200
Sand with shale breaks -	115	315
Caliche - - - - -	275	590
Sand - - - - -	40	630
Sticky shale - - - - -	40	670
Sand - - - - -	20	690
Sticky shale - - - - -	100	790
Sandy shale - - - - -	40	830
Sticky shale - - - - -	50	880
Sand and boulders - - - -	90	970
Sticky shale - - - - -	15	985
Sandy shale - - - - -	15	1000
Shale - - - - -	25	1025
Sticky shale - - - - -	10	1035
Boulders - - - - -	2	1037
Sandy shale - - - - -	13	1050
Sandy shale and shells -	10	1060
Sand - - - - -	20	1080
Sticky blue shale - - - -	38	1118
Sand - - - - -	77	1195
Sticky blue shale - - - -	20	1215
TOTAL DEPTH - - - - -		3003
CASING RECORD: 1,000 feet of 10 <sup>3</sup> -inch and 5,440 feet of 7-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 312</u>		
See See Oil Co., 5 miles southwest of Sinton.		
Water, sand and clay - -	80	30
Blue shale - - - - -	105	185
Gumbo and sand - - - - -	164	349
Water sand - - - - -	26	375
Tough gumbo - - - - -	50	405
Sand and shale - - - - -	95	500
Tough blue gumbo - - - -	50	550
Water sand - - - - -	21	571
Red gumbo - - - - -	31	602
Water sand - - - - -	25	627
Blue gumbo - - - - -	31	658
Water sand - - - - -	70	728
Tough red gumbo - - - - -	4	732
Water sand - - - - -	25	757
Sandrock - - - - -	21	778
Water sand - - - - -	15	793
Red sand and shale - - - -	35	828
Sand and rock - - - - -	15	843
Water sand - - - - -	10	853

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 312--Continued</u>		
Tough blue gumbo - - - -	30	883
Hard rock - - - - -	2	885
Red sand and shale - - - -	29	914
Tough blue gumbo - - - -	32	946
Hard limerock - - - - -	35	981
Tough red gumbo - - - - -	12	993
Shale and limerock - - - -	41	1034
Gumbo - - - - -	5	1039
Sand, shale, and rock - - -	26	1065
Soft sand, showing of oil and gas - - - - -	16	1081
Hard shale and sand - - - -	54	1135
Red gumbo - - - - -	60	1195
Red shale and sand - - - -	53	1248
Hard sandrock - - - - -	14	1262
Sand and boulders - - - - -	26	1288
Hard red shale - - - - -	50	1338
Hard rock and sand - - - -	22	1360
Tough blue gumbo - - - - -	10	1370
Water sand - - - - -	27	1397
Hard sandrock - - - - -	23	1420
Hard pink-colored shale - -	19	1439
Tough red gumbo and boulders - - - - -	40	1479
Limerock and sand - - - - -	50	1529
Hard shale and boulders - -	6	1535
Hard limerock - - - - -	7	1542
Packed sand - - - - -	13	1555
Tough blue gumbo - - - - -	4	1559
White sand and boulders - -	49	1608
Gumbo and boulders - - - -	6	1614
Sand and boulders - - - - -	16	1630
Gumbo and boulders - - - -	26	1656
Hard limerock - - - - -	6	1662
Sand and shale - - - - -	66	1728
Sand and boulders - - - - -	59	1787
Packed sand - - - - -	4	1791
Gumbo, shale, boulders and gypsum - - - - -	87	1878
Red shale - - - - -	40	1918
Hard blue shale - - - - -	86	2004
Hard sandrock and shale - -	44	2048
Hard sand and blue shale - -	10	2058
Hard sand - - - - -	153	2211
Sand and shale - - - - -	31	2242
TOTAL DEPTH? - - - - -		2163

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 343</u>		
Conroe Drilling Co., R. H. Welder well 3, 6 miles north of Sinton.		
Surface soil - - - - -	23	23
Clay - - - - -	4	27
Rock - - - - -	5	32

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 343--Continued</u>		
Water sand	26	63
Caliche	73	136
Rock	4	140
Caliche	36	176
Sand and boulders	194	370
Shale and sand	119	489
Sand	58	527
Shale	41	568
Sand	26	594
Shale	78	672
Sand	22	694
Shale	75	769
Sand	13	782
Sticky shale	35	817
Sand	17	834
Shale	16	850
Rock	2	852
Sticky shale	13	865
Sand and rock	25	890
Shale	145	1035
Sand	9	1044
Shale	51	1095
Hard-packed sand and shale	30	1125
Hard-packed sand	11	1136
Hard shale	40	1176
TOTAL DEPTH		6506
CASING RECORD: 580 feet of 12 $\frac{1}{2}$ -inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 360</u>		
City of Sinton well 5, $\frac{1}{2}$ mile northwest of Sinton.		
Surface soil	8	3
Sand	85	93
Rock	2	95
Gumbo	15	110
Sand and boulders	30	140
Gumbo	25	165
Sand and boulders	18	183
Gumbo	12	195
Rock	3	198
Gumbo	9	207
Blue gumbo	3	210
Shale	8	218
Sand	12	230
Blue gumbo	7	237
Boulders	5	242
Gumbo	6	248
Sand	7	255
Blue gumbo	18	273
Sand	7	280
Shale with sand streaks	72	352
Sandy shale	13	365
Gumbo	10	375

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 368--Continued</u>		
Blue gumbo	5	530
Sand	10	540
Sandy shale	102	492
Sand with streaks of		
sand	65	557
Rock	2	559
Sand	3	562
Rock	1	563
Sticky shale	37	593
Sand	7	600
Sticky shale	90	690
Sandy shale	65	755
Pink-colored shale	70	825
Shale with sand streaks	69	894
Pink-colored gumbo	73	967
Hard-packed sand	2	969
Boulders	1	970
Loose-packed sand	5	975
TOTAL DEPTH		965
CASING RECORD: 961 feet of casing, 32 feet of bronze wire-wrapped screen and 2 feet of steel guide shoe.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 371</u>		
City of Sinton well 6 $\frac{1}{3}$ mile northwest of Sinton.		
Surface soil	3	3
Sand	17	20
Boulders	5	25
Boulders and sand	35	60
Hard shale	63	123
Boulders and shale	34	157
Sand and shale	61	218
Sand	30	248
Shale	83	331
Sand	14	345
Shale	65	410
Sand	10	420
Shale	92	512
shale with sand streaks	265	777
Shale	20	811
Sand	30	841
Hard pink-colored shale	65	906
Sand	50	956
TOTAL DEPTH		956
CASING RECORD: 906 feet of 4-inch casing and 50 feet of brass wire-wrapped screen.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 383</u>		
Conroe Drilling Co. Welder Ranch well D-1, 4 miles north of Sinton.		
Surface soil	10	10
Clay and sand	45	55
Sand	95	150

(Continued on next page)

Table of Drillers' Logs, San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 383--Continued</u>		
Shale and boulders	70	220
Sand	50	270
Shale	45	315
Sand	35	350
Shale and boulders	34	384
Sand	36	420
Shale and boulders	4	424
Shale	46	470
Sand	45	515
Shale	15	530
Sand	40	570
Shale	30	650
Sand	90	740
Shale	70	810
Sand	50	860
Shale	10	870
Sand	110	980
Sticky shale	65	1045
Sand and boulders	105	1150
Shale and lime	130	1280
Sticky shale	110	1390
Sand	20	1410
Shale	225	1635
Sandy shale	40	1675
Sticky shale	20	1695
Shale	153	1828
Sand	94	1922
TOTAL DEPTH		6007
CASING RECORD: 417 feet of 10-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 387</u>		
Bonedum-Trees Oil Co., Eliza H. Welder well 1, 5 miles northeast of Sinton.		
Surface soil	27	27
Sand and shale	178	205
Shale	160	365
Shale with lime streaks	65	430
Sandy shale	31	461
Shale	361	822
Sandy shale	368	1190
Sand	30	1220
Sandy shale	110	1330
Sand	19	1349
Lime and shale	326	1675
Sticky shale	75	1750
Sandy shale	296	2046
Sticky shale	258	2304
Sticky shale and lime	205	2509
Sticky shale	86	2595
Sand	25	2620
Sticky shale and lime	82	2702
Sticky shale	160	2862
Shale	236	3100

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 397--Continued</u>		
Lime and shale	223	3323
Shale	206	3529
Sand	7	3536
Sand and shale	4	3540
Sticky shale	74	3614
Sandy shale	2	3616
Sticky shale	32	3648
Sandy shale	4	3652
Sticky shale	13	3665
Sand with shale streaks	15	3680
TOTAL DEPTH		7207
CASING RECORD: 584 feet of 15-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 394</u>		
Atlantic Refining Co., -- Pullin well 2, 7 1/2 miles east of Sinton.		
Collar	16	16
Clay	10	26
Clay and sand	92	118
Sandy shale	126	244
Sand	26	270
Sticky shale	58	328
Sand	45	373
Sandy shale	277	650
Sticky shale	65	715
Shale and sand	141	856
Hard-packed sand	43	899
Sand and sandy shale	87	986
Sandy shale	554	1540
Hard-packed sand	20	1560
Shale	305	1865
Sand with shale streaks	37	1902
Shale and boulders	153	2055
Shale and sand	128	2183
Hard packed sand	35	2218
Shale	42	2260
Shale with sand streaks	35	2295
Sand and lime	20	2315
Sand and shale	15	2330
Sticky shale	20	2350
Shale and lime	174	2524
Shale with sand streaks	181	2705
Sticky shale	195	2900
Sandy shale	40	2940
Shale	115	3055
TOTAL DEPTH		4931
CASING RECORD: 659 feet of 10-inch and 4,911 feet of 7-5/8-inch casing.		

## Table of Drillers' Logs, San Patricio County--Continued

	Thickness (foot)	Depth (foot)
<u>Driller's log of well 404</u>		
Magnolia Petroleum Co., 1 $\frac{1}{2}$ miles south-east of Sinton.		
Surface soil - - - -	4	4
Caliche - - - -	6	10
Clay - - - -	22	32
Not given - - - -	25	57
Sand - - - -	80	137
Rock - - - -	3	140
Not given - - - -	1	141
Sand and rock - - - -	70	211
Clay - - - -	17	228
Not given - - - -	61	289
Gumbo - - - -	8	297
Rock - - - -	1	298
Clay - - - -	20	318
Gumbo - - - -	27	345
Sand - - - -	1	346
<b>TOTAL DEPTH - - - -</b>		<b>346</b>

	Thickness (foot)	Depth (foot)
<u>Driller's log of well 427</u>		
Central Power and Light Co., well 2, at Taft, 7 $\frac{1}{2}$ miles southeast of Sinton.		
Surface soil - - - -	6	6
Clay - - - -	8	14
Sand - - - -	13	27
Clay - - - -	50	77
Sand - - - -	14	91
Clay - - - -	17	108
Sand - - - -	44	152
Sand rock - - - -	2	154
Sand - - - -	32	186
Clay - - - -	4	190
<b>TOTAL DEPTH - - - -</b>		<b>190</b>

CASING RECORD: 150 feet of 18-inch casing; 42 feet of 12-inch screen at bottom.

	Thickness (foot)	Depth (foot)
<u>Driller's log of well 451</u>		
Argo Oil Corp., A. Soelinge well 1, 1 $\frac{1}{2}$ miles northwest of Mathis.		
Caliche and sand - -	230	230
Hard-packed sand - -	10	240
Caliche and sand - -	145	385
Soft-packed sand - -	35	420
Caliche and sand - -	90	510
Soft-packed sand - -	17	527
Shale and lime with sand streaks - - - -	63	590
Shale - - - -	72	662
Sand - - - -	8	670
Sandy shale - - - -	30	700
Shale - - - -	40	740
Sand - - - -	35	775
Sticky shale - - - -	25	800
Sandy shale - - - -	45	845
Shale - - - -	50	895
Hard-packed sand - -	5	900
Shale - - - -	50	950
Lime with shale streaks -	78	1023
Sand - - - -	8	1036
Sticky shale - - - -	26	1062
Shale and lime - - - -	25	1087
Sand with lime streaks -	33	1120
Lime with shale streaks -	28	1148
Sticky shale - - - -	12	1160
Shale and lime - - - -	59	1219
Sand - - - -	17	1236
Sticky shale - - - -	21	1257
<b>TOTAL DEPTH - - - -</b>		<b>6307</b>
CASING RECORD: 585 feet of 10 $\frac{3}{4}$ -inch and 4,935 feet of 7-inch casing.		

Logs of test wells drilled by U. P. A. labor on Live Oak Ridge in San Patricio County, Texas. Samples examined and classified and plane table elevations run by C. E. Johnson, Project Superintendent. Altitude given in feet above mean sea level. For chemical character of water, see table of analyses.

	Thickness (feet)	Depth (feet)
<u>Well 1</u>		
Flat, T. E. Tedford tract, $\frac{1}{2}$ mile north of Highway 35, $3\frac{1}{2}$ miles west of Aransas Pass.		
Black surface soil - - -	2	2
Yellow clay - - - - -	2	4
Gray clay and caliche - -	5	7
Gray sand - - - - -	7	14
Sandy yellow clay - - -	4	18
Gray clay - - - - -	14	32
Gray sand - - - - -	6	38
Sandy gray clay - - - -	1	39
Brown sand - - - - -	4	43
Gray sand - - - - -	7	50
Brown sand - - - - -	1	51
Brown clay - - - - -	13	64
White sand - - - - -	1	65
Yellow and gray clay - -	8	73
Gray clay and caliche - -	6	79
Gray clay and sand - - -	1	80
Caliche and sand - - - -	8	88
Hard brown clay - - - -	3	91
White sand - - - - -	1	92
Brown clay - - - - -	5	97
Light-brown sand - - - -	6	103
Water level, 22 feet below top of ground 24 hours after hole completed.		
Altitude, 7.1 feet. February 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 2</u>		
Flat, -- McCampbell Est., $\frac{1}{2}$ mile northwest of intersection of Kinney Road and Avenue B, 4 miles west of Aransas Pass.		
Black surface soil - - -	4	4
Sandy light-yellow clay - -	9	13
Light-yellow clay - - - -	2	15
Brown clay - - - - -	9	24
Light-brown sand - - - -	4	28
Brown clay - - - - -	3	31
Sandy brown clay - - - -	4	35
Brown sand - - - - -	12	47
Brown clay and shells - -	15	62
Gray sand - - - - -	2	64
Yellow clay and caliche - -	5	67
Pink clay and caliche - -	1	68
Gray sand - - - - -	2	70
Brown clay - - - - -	3	73
Gray sand - - - - -	1	74
Brown clay - - - - -	5	77
Caliche - - - - -	1	78
Gray sand - - - - -	12	90

	Thickness (feet)	Depth (feet)
<u>Well 2--Continued</u>		
Water level, 20 feet below top of ground 24 hours after hole completed.		
Altitude, 7.3 feet. October 31, 1938.		
<u>Well 3</u>		
Flat, side of county road, at intersection of Kinney Road and Avenue B, $3\frac{1}{2}$ miles west of Aransas Pass.		
Dark-colored surface soil and clay - - - - -	2	2
Yellow clay and caliche -	4	6
Medium-grained yellow sand	13	19
Sandy clay - - - - -	14	33
Yellow sand - - - - -	5	38
Yellow sand and gravel -	4	42
Soft-packed white sand -	10	52
Soft-packed yellow sand -	2	54
Yellow clay and shells -	4	58
Yellow sand - - - - -	3	61
Light-brown clay - - - -	7	68
Sandy gray clay - - - -	7	75
Red clay - - - - -	1	76
Caliche and clay - - - -	1	77
Red and brown clay - - -	4	81
Fine-grained white sand	16	97
Water level, 14.9 feet below top of ground 24 hours after hole completed.		
Altitude, 10.4 feet. October 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 4</u>		
Flat, side of county road, $\frac{1}{2}$ mile northwest of Avenue B on Kinney Road, $3\frac{1}{2}$ miles west of Aransas Pass.		
Dark-colored sandy surface soil - - - - -	1	1
Sandy yellow clay - - - -	4	5
Caliche and clay - - - -	1	6
Fine-grained white sand -	6	12
Coarse-grained yellow sand	3	15
Yellow clay - - - - -	1	16
White sand - - - - -	6	22
Yellow clay - - - - -	7	29
White sand and caliche -	3	32
Yellow sand - - - - -	18	50
Small shells - - - - -	4	54

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Logs of W. P. A. test wells in San Patricio County;--Continued

	Thickness (foot)	Depth (foot)
<u>Well 4--Continued</u>		
Fine-grained white sand-	6	60
Coarse-grained sand with shells - - - - -	3	63
Yellow clay - - - - -	2	65
Soft-packed white sand -	1	67
Blue clay - - - - -	4	71
Yellow clay - - - - -	18	89
Fine-grained white sand	11	101
Water level, 15 feet below top of ground 24 hours after hole completed.		
Altitude, 10.8 feet. October 6, 1958.		

	Thickness (foot)	Depth (foot)
<u>Well 5</u>		
Flat, side of county road, at railroad crossing 1 $\frac{1}{2}$ miles west of Kinney Road on Avenue A, 3 $\frac{3}{4}$ miles southwest of Aransas Pass.		
Surface sand - - - - -	14	14
Brown clay - - - - -	1	15
Hard-packed blue clay -	7	22
Sand and clay - - - - -	2	24
Hard-packed blue clay -	1	25
Hard-packed blue sand, dry - - - - -	2	27
Gray and yellow clay -	15	42
White sand - - - - -	4	46
Sandy gray clay - - - -	5	51
Gellicho and clay - - - -	4	55
Water level, 13 feet below top of ground 2 $\frac{1}{2}$ hours after hole completed.		
Altitude, 17.8 feet. March 13, 1959.		

	Thickness (foot)	Depth (foot)
<u>Well 6</u>		
Flat, side of county road, $\frac{1}{2}$ mile west of Kinney Road on Avenue A, 3 $\frac{1}{2}$ miles southwest of Aransas Pass.		
White surface sand - - -	3	3
Yellow sand, dry - - - -	11	16
Hard-packed yellow clay-	15	31
Yellow clay - - - - -	10	41
White sand - - - - -	5	46
Sandy clay - - - - -	2	48
Water level, 26 feet below top of ground, 48 hours after hole completed.		
Altitude, 9.9 feet. March 5, 1939.		

	Thickness (foot)	Depth (foot)
<u>Well 7</u>		
Flat, side of county road, at intersection of Kinney Road and Avenue A, 3 miles southwest of Aransas Pass.		
Fine-grained surface sand	13	13
Gellicho - - - - -	1	14

	Thickness (foot)	Depth (foot)
<u>Well 7--Continued</u>		
Fine-grained white sand, -	1	14
Yellow clay - - - - -	2	16
Fine-grained white sand- -	7	23
Gray clay - - - - -	1	24
Yellow clay - - - - -	8	32
Sandy clay - - - - -	3	35
Yellow clay - - - - -	2	37
White sand - - - - -	28	65
Sand with shell fragments -	1	66
Brown clay - - - - -	3	69
Green clay - - - - -	26	95
Fine-grained sand- - - - -	1	96
Sand - - - - -	-	96
Water level, 15 feet below top of ground, 50 hours after hole completed.		
Altitude, 11.6 feet. October 6, 1958.		

	Thickness (foot)	Depth (foot)
<u>Well 8</u>		
Flat, side of county road, $\frac{1}{2}$ mile north-east of Kinney Road on Avenue A, 2 $\frac{1}{2}$ miles west of Aransas Pass.		
Surface sand - - - - -	13	13
Sandy yellow clay - - - -	3	16
Yellow and white sand- - -	12	28
Blue clay - - - - -	1	29
Sand and shells - - - - -	3	32
Yellow clay - - - - -	10	42
White sand- - - - -	6	48
Hard-packed sand, dry - - -	4	52
Fine-grained gray sand - - -	17	69
Sandy clay - - - - -	1	70
Fine-grained sand- - - - -	2	72
Light-brown clay - - - - -	6	78
Green clay - - - - -	2	80
Light-green clay - - - - -	5	85
White sand - - - - -	1	86
Green clay - - - - -	6	92
Sand - - - - -	3	95
Brown clay - - - - -	4	99
Sand - - - - -	-	99
Water level, 26 feet below top of ground, 24 hours after hole completed.		
Altitude, 20.5 feet. October 20, 1958.		

	Thickness (foot)	Depth (foot)
<u>Well 9</u>		
Flat, side of county road, 1 mile north-east of Kinney Road on Avenue A, 2 miles west of Aransas Pass.		
Surface sand - - - - -	5	5
Yellow sand - - - - -	4	9

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## Logs of W. P. A. test wells in San Patricio County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 9--Continued</u>		
Sandy yellow clay	5	14
White sand	11	25
Blue quicksand	6	31
Sand and shells	5	36
Blue clay	8	44
White sand	5	49
Blue packed sand	5	54
White sand	15	69
Blue clay	11	80
Yellow clay	17	97
White sand	1	98
Clay and caliche	3	101
White sand	5	106
Clay	1	107
Water level, 26 feet below top of ground, 24 hours after hole completed.		
Altitude, 22.2 feet. November 25, 1938.		

<u>Well 10</u>		
Flat, side of county road, at intersection of Dairy Road and Avenue A, 1 $\frac{3}{4}$ miles west of Aransas Pass.		
Surface sand	6	6
Yellow sand	5	9
Brown sand	4	13
White sand	7	16
Blue clay	9	25
White sand	9	34
Sand and shells	1	35
Yellow clay	6	41
White sand	9	50
Brown and green packed sand, dry	5	55
White sand	20	75
Brown clay	8	83
Blue clay	7	90
Caliche and clay	2	92
Blue clay and caliche	8	100
White sand	15	115
Water level, 5 feet below top of ground, 48 hours after hole completed.		
Altitude, 21.9 feet. December 6, 1938.		

<u>Well 11</u>		
Flat, side of county road, $\frac{1}{2}$ mile southwest of Wheeler Road on Avenue A, 1 $\frac{1}{2}$ miles west of Aransas Pass.		
White surface sand	7	7
Gray sand	13	20
Sandy blue clay	7	27
Blue clay	5	30
Gray sand, dry	1	31
Sandy clay	1	32
Sand and shells	8	40

	Thickness (feet)	Depth (feet)
<u>Well 11--Continued</u>		
Shells	2	42
Blue-gray clay	2	44
Medium-sized shells	5	47
Brown and blue clay	13	60
Sand	4	64
Brown clay	1	65
White packed sand, dry	5	68
Yellow sand	7	75
Sandy blue clay	2	77
Gray sand	9	86
Brown clay	8	94
Blue clay	4	98
Yellow clay	4	102
Blue clay	8	110
Sandy blue clay and caliche	4	114
Packed sand, dry	3	117
Sandy brown clay	4	121
White sand	10	151
Clay	-	151
Water level, 7 feet below top of ground, 48 hours after hole completed.		
Altitude, 25.6 feet. January 6, 1939.		

<u>Well 12</u>		
Flat, side of county road, $\frac{1}{2}$ mile southwest of Wheeler Road on Avenue A, 1 $\frac{1}{2}$ miles northwest of Aransas Pass.		
White surface sand	4	4
White sand, dry	15	19
Blue sand	5	24
Blue clay	7	31
White sand	11	42
Blue clay	1	43
White sand	6	49
Blue clay	5	54
Yellow clay	7	61
White sand	7	68
Blue clay	2	70
White sand	2	72
Blue clay	1	73
Blue sand	13	86
Brown clay	6	92
Sandy blue clay	10	102
Blue clay	16	118
White sand	17	135
Clay	-	155
Water level, 7 feet below top of ground, 48 hours after hole completed.		
Altitude, 25.6 feet. January 4, 1939.		

<u>Well 13</u>		
Flat, side of county road, $\frac{1}{2}$ mile northeast of Wheeler road on Avenue A, 1 $\frac{1}{2}$ miles northwest of Aransas Pass.		

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

	Thickness (feet)	Depth (feet)
<u>Well 13--Continued</u>		
Yellow surface sand - - -	10	10
White sand - - - - -	13	23
Blue clay - - - - -	2	24
Blue sand - - - - -	19	43
Brown clay - - - - -	11	54
Blue packed sand, dry - -	13	67
Blue-gray sand - - - -	7	74
Brown clay - - - - -	9	83
Light-yellow clay - - -	3	91
Sand, gravel and shells -	2	93
Large shells - - - - -	1	94
Hard-packed white clay -	12	106
Yellow sand - - - - -	11	117
Yellow clay - - - - -		117
Water level, 25 feet below top of ground, 24 hours after hole completed.		
Altitude, 22.4 feet. January 30, 1939.		

<u>Well 14</u>		
Flat, side of county road, 1 <sup>1</sup> / <sub>2</sub> miles north- west of Wheeler Road on Avenue A, 1 <sup>1</sup> / <sub>2</sub> miles north of Aransas Pass.		
White sand, dry - - - -	19	19
Blue packed sand, dry - -	11	30
Blue-gray sand - - - -	15	45
Blue sand - - - - -	7	52
Blue packed sand, dry - -	10	62
Green sand - - - - -	4	66
Gray sand - - - - -	2	68
Brown clay - - - - -	12	80
Yellow clay - - - - -	8	88
Yellow sand - - - - -	12	100
Yellow clay - - - - -	1	101
Water level, 26 feet below top of ground, 24 hours after hole completed.		
Altitude, 18.4 feet. February 15, 1939.		

<u>Well 15</u>		
Flat, City of Aransas Pass, in southwest corner of baseball diamond, 1/2 mile north- west of Post Office in Aransas Pass.		
Yellow surface sand - - -	11	11
Fine-grained blue sand, dry - - - - -	15	26
Yellow sand, dry - - - -	4	30
Fine-grained blue sand, damp - - - - -	13	43
Hard-packed brown clay -	4	47
Hard-packed blue sand, damp - - - - -	23	70
White sand - - - - -	11	81
Hard-packed blue clay -	9	90
White clay and caliche -	25	115
Water level, 26 feet below top of ground,		

	Thickness (feet)	Depth (feet)
<u>Well 15--Continued</u>		
48 hours after hole completed.		
Altitude, 15.2 feet. March 8, 1939.		

<u>Well 16</u>		
Flat, H. T. Faulk tract, at corner of Wheeler Avenue and Brown Street, 1/2 mile north of Post Office in Aransas Pass.		
Blue sand, dry - - - -	19	19
Sand - - - - -	3	22
Blue sand - - - - -	29	51
Hard-packed blue clay -	11	62
Sand - - - - -	1	63
Water level, 16 feet below top of ground, 24 hours after hole completed.		
March 16, 1939.		

<u>Well 17</u>		
Located adjacent to well 16, on G. A. White tract. No log available.		

<u>Well 18</u>		
Flat, side of county road, 1/2 mile east of Avenue A on Kinney Road, 2 1/2 miles south- west of Aransas Pass.		
Fine-grained white sand -	3	3
Silty, variegated orange and gray sand - - - - -	5	8
Silty gray sand - - - -	1	9
Fine-grained silty sand -	2	11
Fine-grained brown water sand - - - - -	5	14
Very fine-grained silty gray sand - - - - -	6	20
Sandy gray clay - - - -	2	22
Very fine-grained silty gray water sand and shells -	1	23
Fine-grained silty gray sand	1	24
Sandy gray clay - - - -	2	26
Greenish-blue clay streaked with sand and shells	2	28
Fine-grained water sand with clay and shells - - - -	1	29
Greenish-gray clay with streaks of sand - - - -	1	30
Fine-grained silty sand with clay lenses - - - -	1	31
Fine-grained gray sand and shells with clay lenses	5	36
Tough brown clay - - - -	4	40
Brown clay and water sand -	1	41
(Continued on next page)		



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

	Thickness (feet)	Depth (feet)
<u>Well 18--Continued</u>		
Grayish-brown clay - -	1	42
Tough brown clay - -	2	44
Sandy brown clay - -	1	45
Silty brown sand - -	1	46
Silty brown water sand -	2	48
Fine-grained gray sand with clay lenses - -	14	62
Greenish-gray clay - -	1	63
Greenish-gray water sand and shells - - -	25	88
Shells, water sand and clay - - - -	1	89
Tough greenish-gray clay with shells and streaks of brownish-yellow clay	9	98
Yellow clay and shells-	1	99
Greenish-gray clay with brown streaks - - -	3	102
Greenish-gray clay with shells and brown streaks	1	103
Greenish-gray clay with sand streaks - - -	3	106
Greenish-gray clay and sand, damp - - - -	1	107
Greenish-gray clay and sand with shells, damp - -	1	108
Greenish-gray clay and water sand with shells	2	110
Gray water sand and shells	4	114
TOTAL DEPTH - - -		114
Drilled by G. H. Cromack, Texas Board of Water Engineers, June 26, 1938. Altitude, 13.7 feet.		

<u>Well 19</u>		
Flat, side of county road, 180 feet northwest of Dock Road at intersection with Kinney Road, 2 $\frac{1}{2}$ miles southwest of Aransas Pass.		
Fine-grained white sand-	13	13
Fine-grained blue-white- sand - - - -	10	23
Blue clay - - - -	1	24
Fine-grained white sand-	4	28
Sandy blue clay - - -	3	31
Fine-grained gray sand -	2	33
Hard-packed blue clay -	9	42
Fine-grained white sand-	6	48
Packed blue and white sand, dry - - -	2	50
Fine-grained white sand-	20	70

	Thickness (feet)	Depth (feet)
<u>Well 19--Continued</u>		
Sand with shell fragments -	4	74
Medium-sized shells- - -	2	76
Water level, 32.6 feet below top of ground, 48 hours after hole completed. Altitude, 12.8 feet. September 13, 1938.		
<u>Well 20</u>		
Flat, City of Aransas Pass, in center of Ransom Island, 2 $\frac{1}{2}$ miles south of Post Office in Aransas Pass. Nueces County.		
Mud and shells - - -	1	1
Shells - - - -	5	6
Mud and shells - - -	2	8
Blue sand - - - -	2	10
Yellow sand and shells -	2	12
White sand - - - -	2	14
Yellow sand - - - -	16	30
Black sand - - - -	30	60
Yellow sand - - - -	1	61
Yellow clay - - - -	2	63
Black and yellow sand -	2	65
Black clay - - - -	3	68
Black sand - - - -	5	73
Blue clay - - - -	7	80
Yellow clay - - - -	13	93
White sand - - - -	7	100
Clay and caliche - - -	1	101
Sand - - - -	1	102
Water level, 5 feet below top of ground, 12 hours after hole completed. December 10, 1938.		

Partial analyses of water from test wells in San Patricio 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 D. C. Ebner, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. See page 44 for logs of test wells.)

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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
1	W. E. Tedford	15	Jan. 13, 1939	21,542	1,382	1,429	4,520	244	2,426	11,650	b/	-	9,330
1	do.	59	Jan. 17, 1939	38,343	1,810	2,225	9,408	390	2,808	21,900	b/	-	13,675
1	do.	72	Jan. 25, 1939	18,601	-	-	-	281	749	11,067	b/	-	-
1	do.	96	Feb. 2, 1939	7,495	294	252	2,235	470	212	4,270	b/	0.9	1,770
2	McCampbell Est.	13	Oct. 31, 1938	39,230	2,318	2,262	9,047	123	3,711	21,800	b/	2.2	15,095
2	do.	45	do.	16,981	980	908	4,142	336	781	10,000	b/	-	6,185
2	do.	62	do.	8,601	188	212	2,840	287	220	5,000	b/	-	1,341
2	do.	79	do.	4,602	162	173	1,369	232	64	2,720	b/	-	1,117
2	do.	90	do.	3,972	158	142	1,179	433	80	2,200	b/	1.0	977
3	San Patricio County	16	Oct. 3, 1938	17,586	1,210	736	4,371	342	1,221	9,900	b/	-	6,054
3	do.	56	do.	15,568	-	-	-	159	961	9,000	b/	-	-
3	do.	58	do.	12,925	1,145	804	2,523	268	821	7,500	b/	-	6,166
3	do.	79	do.	2,121	130	96	547	403	120	1,030	b/	-	719
3	do.	87	do.	1,926	-	-	-	397	92	940	b/	-	-
3	do.	97	do.	1,918	126	84	494	404	96	890	b/	-	662
4	do.	14	Sept. 27, 1938	4,715	332	101	1,306	354	422	2,580	b/	-	1,248
4	do.	29	Sept. 30, 1938	1,060	88	31	273	134	42	560	b/	-	349
4	do.	33	do.	1,032	-	-	-	104	38	555	b/	-	-
4	do.	40	Oct. 4, 1938	1,126	-	-	-	281	42	535	b/	-	-
4	do.	50	Oct. 5, 1938	2,497	110	62	766	393	115	1,300	b/	-	528
4	do.	54	do.	1,085	74	29	301	146	61	548	b/	0.1	303
4	do.	62	do.	1,551	112	43	421	250	92	760	b/	-	457
4	do.	67	do.	707	53	18	199	293	38	255	b/	-	206
4	do.	69	do.	1,019	-	-	-	250	61	465	b/	-	-
4	do.	91	do.	1,029	49	27	312	244	69	452	b/	-	231
4	do.	93	Oct. 6, 1938	1,244	91	58	573	262	123	970	b/	-	466
4	do.	95	do.	1,816	-	-	-	298	115	900	b/	-	-
4	do.	100	do.	1,760	82	53	520	293	111	850	b/	0.7	423
5	do.	22	Mar. 7, 1939	662	90	18	141	281	30	245	b/	-	301
5	do.	30	Mar. 8, 1939	705	-	-	-	293	30	270	b/	-	-
5	do.	42	do.	1,016	138	34	198	256	75	445	b/	0.5	486

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from test wells in San Patricio 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 <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
5	San Patricio County	50	Mar. 10, 1939	1,078	134	46	208	232	71	505	b/	-	524
5	do.	56	Mar. 13, 1939	1,267	173	44	245	311	82	570	b/	-	612
6	do.	40	Feb. 15, 1939	601	80	18	127	281	34	204	b/	-	276
6	do.	46	Mar. 1, 1939	535	-	-	-	281	34	164	b/	-	-
7	do.	13	Sept. 6, 1938	3,444	63	49	1,190	561	396	1,470	b/	0.2	360
7	do.	33	Sept. 15, 1938	3,806	250	70	1,083	281	425	1,840	b/	-	914
7	do.	35	do.	1,303	108	24	351	317	174	490	b/	-	370
7	do.	39	do.	1,098	-	-	-	323	130	415	b/	-	-
7	do.	42	do.	536	71	13	114	195	57	185	b/	-	233
7	do.	50	Sept. 16, 1938	596	-	-	-	238	57	205	b/	-	-
7	do.	54	do.	536	77	13	114	305	32	150	b/	0.3	248
7	do.	65	do.	571	-	-	-	226	57	195	b/	-	-
7	do.	95	do.	721	-	-	-	299	52	275	b/	-	-
7	do.	96	do.	765	88	22	176	262	45	305	b/	-	309
8	do.	28	Oct. 20, 1938	303	63	9	41	195	18	76	b/	0.1	196
8	do.	31	do.	327	-	-	-	220	20	76	b/	-	-
8	do.	33	do.	348	-	-	-	232	28	76	b/	-	-
8	do.	42	do.	339	-	-	-	232	10	86	b/	-	-
8	do.	52	do.	353	70	7	60	262	a/	78	b/	-	204
8	do.	54	do.	390	-	-	-	238	12	114	b/	-	-
8	do.	70	do.	341	59	9	62	220	10	93	b/	-	186
8	do.	84	do.	502	48	12	131	201	32	180	b/	-	167
8	do.	85	do.	523	-	-	-	238	32	181	b/	-	-
8	do.	94	do.	645	49	17	179	232	36	250	b/	-	190
8	do.	95	do.	546	42	12	154	171	32	222	b/	0.6	152
9	do.	15	Nov. 25, 1938	582	126	9	84	262	30	204	b/	-	351
9	do.	25	do.	535	104	13	78	159	42	220	b/	-	313
9	do.	32	do.	531	-	-	-	220	38	190	b/	-	-
9	do.	43	do.	437	80	11	75	275	16	120	b/	-	247
9	do.	49	do.	-	-	-	-	-	32	130	b/	-	-
9	do.	70	do.	499	-	-	-	256	14	172	b/	-	-
9	do.	97	do.	799	64	21	217	238	30	350	b/	-	248
9	do.	105	do.	796	75	19	208	250	26	345	b/	-	267
9	do.	107	do.	537	50	21	30	177	24	325	b/	0.8	213

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from test wells in San Patricio 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 <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
10	San Patricio County	25	Dec. 6, 1938	502	94	17	69	165	53	188	b/	-	305
10	do.	35	do.	247	-	-	-	189	11	49	b/	-	-
10	do.	50	do.	271	44	7	52	159	12	78	b/	-	139
10	do.	57	do.	346	-	-	-	207	16	98	b/	-	-
10	do.	75	do.	337	-	-	-	159	20	114	b/	-	-
10	do.	104	do.	460	50	16	105	220	45	136	b/	0.3	190
11	do.	18	Dec. 29, 1938	795	95	13	195	256	26	340	b/	-	293
11	do.	34	Dec. 15, 1938	490	77	13	95	256	23	156	b/	-	248
11	do.	60	do.	431	-	-	-	244	15	134	b/	-	-
11	do.	74	do.	791	44	33	220	268	22	340	b/	-	245
11	do.	80	Dec. 16, 1938	393	-	-	-	220	18	120	b/	-	-
11	do.	110	Jan. 1, 1939	537	42	16	146	207	25	206	b/	-	170
11	do.	123	Jan. 3, 1939	651	-	-	-	201	34	200	b/	-	-
11	do.	129	do.	786	59	21	216	201	41	350	b/	-	233
11	do.	131	do.	840	60	23	232	220	52	365	b/	0.4	244
12	do.	25	Dec. 14, 1938	662	96	17	132	183	37	290	b/	-	311
12	do.	40	do.	611	114	15	97	183	30	265	b/	-	344
12	do.	45	do.	560	38	32	137	262	24	200	b/	-	225
12	do.	64	Dec. 15, 1938	636	-	-	-	177	26	290	b/	-	-
12	do.	72	Dec. 19, 1938	633	-	-	-	250	26	250	b/	-	-
12	do.	76	Dec. 27, 1938	569	37	13	160	61	49	280	b/	-	148
12	do.	86	Dec. 29, 1938	631	-	-	-	220	37	255	b/	-	-
12	do.	120	Jan. 4, 1939	671	-	-	-	201	32	295	b/	-	-
12	do.	128	do.	669	33	15	209	195	26	290	b/	0.6	142
13	do.	17	Jan. 6, 1939	585	58	16	146	171	26	255	b/	-	210
13	do.	21	do.	464	38	16	113	128	79	155	b/	-	160
13	do.	68	Jan. 14, 1939	347	-	-	-	201	20	98	b/	-	-
13	do.	73	Jan. 16, 1939	395	32	6	117	232	24	102	b/	-	104
13	do.	108	Jan. 28, 1939	1,118	50	22	362	427	49	425	b/	-	214
13	do.	116	Jan. 30, 1939	1,033	30	18	354	390	49	390	b/	-	151
14	do.	48	Feb. 2, 1939	247	24	10	58	134	14	72	b/	0.3	101
14	do.	52	Feb. 3, 1939	221	-	-	-	122	14	65	b/	-	-
14	do.	64	do.	353	58	6	73	226	15	90	b/	-	169
14	do.	74	Feb. 6, 1939	375	60	6	78	201	24	108	b/	-	174
14	do.	90	Feb. 14, 1939	456	59	11	103	214	26	152	b/	-	192

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from test wells in San Patricio 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 <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Fluor- ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
14	San Patricio County	97	Feb. 15, 1939	442	45	12	112	220	15	150	b/	0.6	163
15	do.	25	Feb. 20, 1939	325	39	21	53	31	22	160	b/	-	183
15	do.	36	Feb. 28, 1939	439	-	-	-	165	25	172	b/	-	-
15	do.	38	do.	454	51	13	107	183	17	176	b/	0.3	183
15	do.	68	Mar. 2, 1939	612	-	-	-	250	22	240	b/	-	-
15	do.	80	Mar. 3, 1939	522	-	-	-	250	14	190	b/	-	-
15	do.	106	Mar. 8, 1939	776	25	12	265	268	37	305	b/	-	113
16	H. T. Faulk	20	Mar. 15, 1939	486	81	11	94	265	13	158	b/	-	247
16	do.	38	do.	557	-	-	-	275	15	199	b/	-	-
15	do.	55	Mar. 16, 1939	667	154	16	74	177	13	320	b/	0.3	450
18	San Patricio County	13	June , 1938	1,836	108	96	434	61	310	950	b/	-	664
18	do.	23	do.	591	-	-	-	366	20	168	b/	-	-
18	do.	54	do.	534	-	-	-	293	20	170	b/	-	-
18	do.	68	do.	469	69	14	97	287	13	135	b/	0.3	228
18	do.	88	do.	559	46	17	152	293	20	180	b/	-	185
18	do.	103	do.	760	-	-	-	165	77	330	b/	-	-
% 18	do.	114	do.	779	68	23	197	207	69	320	b/	0.3	264
19	do.	14	Sept. 1, 1938	505	58	21	100	140	69	189	b/	-	238
19	do.	22	do.	347	52	10	69	189	21	102	b/	-	171
19	do.	26	do.	362	-	-	-	189	20	114	b/	-	-
19	do.	40	Sept. 6, 1938	421	-	-	-	299	45	72	b/	-	-
19	do.	44	Sept. 7, 1938	441	13	1	164	305	8	102	b/	-	46
19	do.	53	do.	580	-	-	-	299	65	155	b/	-	-
19	do.	75	Sept. 13, 1938	77,042	2,202	3,210	22,296	183	6,526	42,708	b/	-	12,705
20	City of Aransas Pass	3	Dec. 10, 1938	26,025	1,126	1,520	6,336	214	3,313	13,625	b/	-	9,065
20	do.	28	do.	69,913	-	-	-	61	5,429	39,750	b/	-	-
20	do.	39	do.	84,235	-	-	-	427	7,507	46,833	b/	-	-
20	do.	48	do.	58,153	-	-	-	244	8,405	29,440	b/	-	-
20	do.	62	do.	105,503	-	-	-	12	8,499	59,750	b/	-	-
20	do.	86	do.	76,324	-	-	-	171	5,819	45,250	b/	-	-
20	do.	99	do.	62,553	3,436	2,256	17,161	183	2,190	37,400	b/	-	17,865

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in San Patricio 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 D. C. Ebner, 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.)	Cal-cium (Ca)	Magne-sium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicar-bonate (HCO <sub>3</sub> )	Sul-phate (SO <sub>4</sub> )	Chlo-ride (Cl)	Ni-trate (NO <sub>3</sub> )	Fluor-ide (F)	Total hardness as CaCO <sub>3</sub> (calc.)
26	R. E. Whitten	180	Oct. 13, 1938	2,104	-	-	-	378	8	1,140	b/	-	-
27	Henry McDonald	208	do.	2,503	33	18	926	305	56	1,320	b/	-	156
28	J. F. Coppedge	256	do.	2,275	24	14	9	427	8	1,155	b/	2.3	119
29	Harry Enkans	205	do.	2,940	40	24	1,090	323	20	1,605	b/	1.8	200
30	Dr. J. H. Harvey	180	do.	2,355	-	-	-	397	20	1,280	b/	-	-
31	Rincon Inv. Co.	182	do.	2,283	-	-	-	409	28	1,220	b/	-	-
32	H. S. Crawford	219	do.	2,063	23	11	784	421	8	1,030	b/	-	102
33	Rincon Inv. Co.	280	do.	3,440	52	17	1,281	329	8	1,920	b/	-	201
34	J. T. McCampbell	210	Sept. 19, 1938	4,551	70	18	1,655	250	-	2,645	b/	1.4	251
35	W. G. McCampbell	200	do.	4,565	50	46	1,671	275	93	2,570	b/	1.4	314
36	J. S. McCampbell	280	do.	3,987	54	18	1,493	328	-	2,260	b/	-	211
37	Robert McCampbell	375	Sept. 14, 1938	5,214	67	29	1,939	305	49	2,980	b/	0.8	283
38	Portfield Est.	175	Sept. 19, 1938	4,402	53	27	1,632	134	54	2,570	b/	-	242
39	Dr. J. H. Harvey	230	Sept. 20, 1938	3,265	45	13	1,227	378	14	1,780	b/	-	168
40	R. K. Reed	180	do.	4,022	100	58	1,384	342	112	2,200	b/	0.9	491
41	H. E. Richardson	250	do.	4,202	82	39	1,505	366	116	2,280	b/	-	364
42	J. D. Willis	250	Oct. 14, 1938	5,281	98	56	1,800	329	65	3,010	b/	0.8	474
44	E. D. Shell	290	Sept. 14, 1938	3,994	60	28	1,472	470	105	2,100	b/	-	258
45	G. H. McKain	250	do.	1,103	21	4	13	73	15	14	b/	0.2	87
46	W. G. McCampbell	165	Jan. 20, 1939	1,453	36	15	518	403	49	630	b/	-	149
47	do.	350	Sept. 19, 1938	4,454	66	34	1,629	445	135	2,370	b/	0.5	306
48	T. P. McCampbell	250	do.	4,059	-	-	-	366	81	2,330	b/	0.3	-
49	W. G. McCampbell	200	Sept. 14, 1938	5,252	54	46	1,919	458	328	2,680	b/	0.3	324
50	T. J. Williams	60	Sept. 12, 1938	431	-	-	-	281	5	124	b/	-	-
51	L. D. Cavitt	86	do.	946	40	16	312	397	58	325	b/	-	165
52	C. J. Ruheman	44	Sept. 7, 1938	591	-	-	-	238	20	235	b/	-	-
53	J. L. Duddleson	44	Sept. 14, 1938	713	-	-	-	281	21	290	b/	-	-
54	Max Wolf	18	Sept. 7, 1938	1,321	112	26	364	482	104	478	b/	0.2	386
55	C. E. Crews	59	do.	564	59	16	140	268	19	198	b/	-	215
56	W. A. Kell	60	do.	528	-	-	-	250	35	175	b/	-	-
57	H. H. Perkins	65	Sept. 6, 1938	464	45	15	117	287	31	115	b/	0.4	174

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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Partial analyses of water from wells in San Patricio 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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
58	J. D. Mills	98	Sept. 6, 1938	636	-	-	-	262	27	245	b/	-	-
59	Alfred Nystrom	76	June 26, 1938	4,227	308	233	969	329	105	2,450	b/	-	1,729
60	Humble Oil & Refining Co.	142	July 20, 1938	1,866	34	13	686	506	89	795	b/	-	138
61	do.	148	Jan. 29, 1939	1,909	28	17	705	525	79	820	b/	1.9	140
62	L. T. Myers	150	Jan. 19, 1939	-	-	-	-	-	810	79	-	-	-
63	D. H. Robison	60	Sept. 16, 1939	902	-	-	-	360	42	350	b/	-	-
64	L. W. Jones	54	do.	831	109	36	160	354	42	310	b/	-	423
65	W. F. Phelps	48	Sept. 13, 1938	460	-	-	-	317	20	110	b/	-	-
66	V. A. Kirkpatrick	92	do.	1,068	-	-	-	360	32	465	b/	-	-
67	J. R. Burns	90	do.	1,479	58	17	497	378	101	620	b/	1.3	215
68	F. N. Edwards	80	June 22, 1938	1,239	134	44	270	366	95	510	b/	-	517
69	O. V. Coopender	60	do.	2,449	142	125	621	299	54	1,360	b/	-	867
70	Mrs. H. H. Keys	46	do.	909	-	-	-	415	54	315	b/	-	-
71	C. N. McAlister	43	June 23, 1938	607	105	22	95	238	32	235	b/	0.2	354
72	Mrs. H. H. Keys	46	June 22, 1938	731	100	20	154	342	54	235	b/	-	332
73	M. C. Tyner	80	Sept. 13, 1938	3,171	163	86	941	329	69	1,750	b/	-	763
74	Mrs. H. H. Keys	90	June 26, 1938	1,582	134	76	363	366	115	720	b/	0.3	647
75	M. C. Tyner	38	June 27, 1938	1,180	908	624	2,613	305	785	6,700	b/	-	4,835
76	R. W. Graham	88	June 24, 1938	1,351	54	37	423	421	70	560	b/	1.0	288
77	H. A. Sanders	81	do.	1,759	79	32	562	445	97	770	b/	-	330
78	T. E. Norman	84	June 23, 1938	1,005	35	22	332	421	54	355	b/	-	179
79	R. G. McClellen	110	do.	1,159	-	-	-	451	66	445	b/	-	-
80	Lewis Caldwell	90	June 22, 1938	876	108	25	196	329	45	340	b/	-	370
81	J. R. M. Jones	40	June 26, 1938	385	-	-	-	268	8	98	b/	-	-
82	Mrs. -- Armstrong	40	do.	866	90	11	534	390	49	290	b/	0.2	272
83	Dr. -- Powell	-	do.	2,297	322	87	427	512	89	1,120	b/	-	1,164
84	W. H. Bryan	30	do.	969	221	22	113	275	28	450	b/	-	644
85	--	35	do.	506	-	-	-	299	25	144	b/	-	-
86	T. H. Bennight	52	June 24, 1938	1,390	120	45	351	305	54	670	b/	-	488
87	J. M. Little	110	do.	1,030	36	17	347	403	62	370	b/	-	161
88	W. F. Mooney	45	do.	617	114	9	116	354	20	185	b/	-	320
89	W. L. Muckelroy	38	June 26, 1938	359	-	-	-	268	12	78	b/	-	-
90	Miss Francis Six	65	June 24, 1938	888	190	25	113	329	28	370	b/	-	575
91	Berry Est.	65	do.	391	-	-	-	305	11	80	b/	-	-
92	O. A. Sherwood	39	do.	670	-	-	-	329	28	230	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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Partial analyses of water from wells in San Patricio 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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
93	B. F. Lockhart	90	Sept. 7, 1938	483	81	14	89	299	18	134	b/	-	259
94	Seymore Collins	50	June 24, 1938	313	79	5	37	256	10	56	b/	-	218
95	-	-	June 28, 1938	719	91	14	176	573	62	94	b/	-	283
96	Mrs. Nora Morris	65	Sept. 6, 1938	679	153	16	85	390	35	198	b/	-	450
97	H. L. Gristy	28	Sept. 7, 1938	589	86	11	153	421	24	128	b/	-	262
100	Felix Grobe	68	June 27, 1938	464	-	-	-	268	29	130	b/	-	-
102	C. Schribner	60	Sept. 12, 1938	463	-	-	-	262	3	156	b/	-	-
104	B. Nelson	100	July 10, 1938	473	56	20	102	256	8	160	b/	0.2	223
105	H. Moore	60	Sept. 7, 1938	609	73	15	145	256	10	240	b/	0.2	244
106	Mona Clayton	65	do.	547	-	-	-	265	31	180	b/	-	-
107	William Lane	22	do.	758	-	-	-	505	33	295	b/	-	-
108	John Smallshaw	60	Sept. 12, 1938	375	-	-	-	238	7	109	b/	-	-
110	George W. King	24	July 10, 1938	761	121	18	148	336	32	275	b/	-	376
113	H. F. Barfoot	60	Sept. 12, 1938	640	28	6	220	281	20	228	b/	-	94
114	F. H. Nelson	87	do.	549	-	-	-	250	13	208	b/	0.5	-
119	B. Farley	60	do.	434	49	11	132	256	14	162	b/	-	167
121	Wm. Snyder	62	Sept. 15, 1938	498	-	-	-	275	9	171	b/	-	-
122	H. Pope	62	Sept. 12, 1938	399	-	-	-	256	12	110	b/	-	-
123	G. S. Spinney	70	do.	392	56	7	90	256	8	105	b/	0.2	170
124	A. D. Bell	68	do.	324	-	-	-	262	-	70	b/	0.2	-
125	L. M. McPherson	66	do.	343	-	-	-	256	-	85	b/	-	-
126	A. L. Webb	65	Sept. 15, 1938	460	-	-	-	268	8	146	b/	-	-
127	D. E. White	21	do.	449	100	7	59	189	20	165	b/	-	280
128	C. N. Vaughan	56	Mar. 10, 1939	497	69	10	109	293	16	136	b/	-	211
129	B. A. Lindman	76	Sept. 12, 1938	498	85	12	92	232	5	190	b/	-	263
130	Central Power & Light Co.	60	Sept. 15, 1938	524	93	11	96	256	8	190	b/	-	277
131	D. C. Walker	67	Sept. 12, 1938	517	-	-	-	244	3	200	b/	-	-
132	Mrs. E. H. McCracken	67	do.	708	61	13	197	275	42	260	b/	-	208
133	Lloyd Richardson	74	July 16, 1938	254	45	3	51	189	12	50	b/	0.1	127
135	V. Johnson	40	June 26, 1938	305	65	5	50	256	5	54	b/	0.1	183
136	E. A. Dickinson	44	do.	331	-	-	-	268	3	68	b/	-	-
138	J. F. Gambill	36	do.	513	-	-	-	366	53	88	b/	-	-
139	H. Blagg	44	Sept. 13, 1938	1,503	40	15	533	354	46	695	b/	-	159
140	Bruce Hannah	24	June 27, 1938	808	71	12	228	488	107	150	b/	0.2	228

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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Partial analyses of water from wells in San Patricio 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 (PCO <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
141	Miss -- Caldwell	56	June 24, 1938	4,628	807	149	693	397	279	2,490	b/	-	2,632
142	A. L. Maley	50	do.	419	-	-	-	281	12	110	b/	-	-
143	Blade Dunn	-	June 27, 1938	533	-	-	-	293	15	174	b/	-	-
144	Fred McMullen	35	June 22, 1938	764	108	20	163	476	54	185	b/	-	352
145	H. A. Stevens	50	Sept. 13, 1938	914	177	21	137	262	57	390	b/	-	528
146	Lee Blaylock	40	do.	856	-	-	-	250	27	392	b/	-	-
147	Dr. H. A. Thomas	38	do.	2,877	-	-	-	256	105	1,610	b/	-	-
148	W. T. Harris	51	do.	5,209	939	106	852	186	154	3,065	b/	-	2,782
149	Tom Wright	92	Jan. 31, 1939	651	-	-	-	256	8	275	b/	-	-
150	A. C. Smith	85	do.	633	-	-	-	256	8	265	b/	-	-
151	Humble Oil Co.	57	Jan. 29, 1939	673	105	13	138	262	8	280	b/	0.2	318
152	do.	57	do.	644	-	-	-	256	13	266	b/	-	-
153	G. E. Franke	32	Sept. 16, 1938	892	94	22	226	464	50	272	b/	-	324
154	F. C. Weber	60	do.	1,425	262	41	252	323	31	710	b/	-	816
201	W. R. Peterson	180	Jan. 13, 1939	1,962	15	11	743	409	27	870	b/	1.0	82
202	F. Quaille	186	do.	1,286	-	-	-	300	135	495	b/	-	-
203	W. T. Whitehead	190	Oct. 27, 1938	4,352	214	84	336	220	200	2,410	b/	1.0	882
204	W. V. Sanders	205	do.	1,491	21	10	552	451	116	570	b/	-	96
205	C. D. Whatley	214	do.	2,188	-	-	-	366	124	1,095	b/	-	-
206	L. R. Saddler	194	do.	2,259	34	7	842	366	124	1,070	b/	2.4	114
207	W. D. G. Jones	207	do.	1,796	14	4	680	342	12	900	b/	2.0	53
208	C. C. Willis	210	do.	1,471	17	9	552	439	100	575	b/	2.0	81
209	J. F. Gilliland	196	do.	1,412	-	-	-	445	112	568	b/	-	-
210	J. A. Hurt	186	Jan. 13, 1939	1,439	-	-	-	390	131	635	b/	-	-
211	Blake & Mave	190	do.	1,278	-	-	-	390	135	490	b/	-	-
212	Louis Schroeder	173	Dec. 9, 1938	1,538	21	10	569	421	139	590	b/	2.2	91
213	Root & Carmody	185	Jan. 13, 1938	1,268	-	-	-	390	139	480	b/	-	-
214	J. L. Brittain	180	Dec. 9, 1938	1,209	20	4	452	433	41	475	b/	-	85
215	W. R. Jackson	226	Oct. 26, 1938	1,448	23	9	534	415	116	560	b/	2.0	96
216	Homer Esterwood	186	do.	4,419	202	87	1,862	195	216	2,450	b/	1.0	879
217	J. D. Patrick	220	Oct. 25, 1938	1,750	14	3	680	336	8	880	b/	-	47
218	Herring & McDonald	184	do.	19,487	1,038	323	5,841	336	2,020	10,100	b/	0.4	3,925
219	H. D. Richey	412	do.	2,177	17	1	852	403	8	1,100	b/	2.6	45
220	J. R. Richey	147	Oct. 27, 1938	1,627	-	-	-	354	116	750	b/	-	-
221	Sam Brewer	210	Oct. 25, 1938	2,073	22	7	794	366	8	1,060	b/	2.2	84

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a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in San Patricio 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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
222	W. K. Bartsel	200	Oct. 27, 1938	1,963	-	-	-	366	9	1,055	b/	-	-
223	F. C. Morris	303	do.	1,634	-	-	-	348	8	855	b/	-	-
224	J. B. Cage	150	Oct. 17, 1938	2,083	-	-	-	390	8	1,120	b/	-	-
225	D. C. Reed	180	do.	2,147	25	10	798	262	135	1,050	b/	-	101
226	T. A. Verner	175	do.	1,983	-	-	-	384	9	1,055	b/	2.4	-
227	Dr. J. H. Harvey	230	Sept. 20, 1938	2,791	34	15	1,050	397	30	1,465	b/	2.1	144
228	do.	186	Oct. 13, 1938	2,223	28	13	835	384	28	1,130	b/	-	123
229	Josie Jones	200	do.	2,066	14	8	792	354	48	1,030	b/	-	70
230	Dr. J. H. Harvey	230	Sept. 20, 1938	3,104	54	18	1,146	476	-	1,540	b/	-	211
231	do.	160	Oct. 13, 1938	2,844	38	16	1,064	403	36	1,490	b/	2.3	160
232	do.	160	Sept. 20, 1938	2,292	32	7	863	384	28	1,170	b/	-	110
233	Root & Locke	210	Sept. 21, 1938	2,161	24	6	87	415	25	1,075	b/	-	84
234	T. G. Myers	186	Oct. 17, 1938	2,266	-	-	-	342	11	1,260	b/	-	-
235	do.	180	Oct. 20, 1938	2,493	33	12	937	378	25	1,300	b/	-	133
236	J. E. Brooks	216	Oct. 17, 1938	2,432	-	-	-	336	10	1,370	b/	-	-
237	W. L. Roots	226	do.	2,339	20	5	906	378	-	1,220	b/	2.3	68
238	R. L. Childress	210	do.	2,555	34	14	955	390	50	1,310	b/	-	144
239	H. D. Rothrock	196	do.	2,432	25	10	918	372	104	1,190	b/	2.3	101
240	Mat. S. Burford	180	Oct. 25, 1938	2,237	25	9	839	342	124	1,070	b/	2.2	101
241	D. W. Buckley	190	Oct. 17, 1938	2,100	25	10	791	384	73	1,010	b/	2.2	101
242	J. C. Carroll	189	Oct. 10, 1938	2,140	41	11	773	384	206	920	b/	-	147
243	Mrs. Emma Herron	170	do.	2,668	162	62	1,155	275	254	1,900	b/	-	658
244	D. T. Burgess	176	do.	2,977	151	64	894	183	198	1,580	b/	-	640
245	R. Sradlenak	148	Oct. 26, 1938	1,603	79	24	506	232	100	780	b/	-	295
246	R. B. Benson	180	Oct. 10, 1938	2,030	46	22	708	329	182	910	b/	1.4	203
247	H. R. Moore	179	do.	2,008	40	14	725	366	119	930	b/	-	159
248	J. R. Cage	180	do.	2,982	-	-	-	366	138	1,590	b/	-	-
249	J. D. Patrick	132	Sept. 21, 1938	2,123	37	11	810	403	57	1,070	b/	-	137
250	do.	120	do.	2,158	32	9	809	390	57	1,060	b/	-	115
251	do.	210	Oct. 17, 1938	2,261	32	14	848	403	23	1,150	b/	2.3	139
252	Ed Klapuch	200	Sept. 21, 1938	2,241	32	7	849	427	20	1,120	b/	2.5	110
253	Jose Chavatal	200	do.	2,116	32	9	798	415	8	1,065	b/	-	115
254	Dr. J. H. Harvey	180	do.	2,158	32	10	812	397	9	1,100	b/	-	121
255	E. C. Willis	120	do.	2,249	35	5	846	378	57	1,120	b/	-	108
256	E. I. Cervenka	180	Sept. 7, 1938	2,369	24	7	906	415	38	1,190	b/	-	89

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in San Patricio 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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
257	J. Ondrusck	210	Sept. 21, 1938	2,246	38	9	836	366	61	1,120	b/	2.1	130
258	J. H. Shell	170	Oct. 10, 1938	2,281	-	-	-	384	146	1,125	b/	-	-
259	T. W. LaFarge	194	do.	2,136	-	-	-	390	123	1,050	b/	-	-
260	August Flouke	300	Oct. 7, 1938	1,349	27	10	493	403	84	535	b/	2.1	106
261	C. C. Hunt	176	Oct. 10, 1938	2,301	-	-	-	342	146	1,160	b/	-	-
262	J. D. Willis	180	do.	2,253	42	13	827	378	73	1,110	b/	2.0	158
263	Joe Klapuch	196	do.	3,276	31	10	1,251	299	5	1,830	b/	2.1	116
264	H. C. Knickerbocker	173	do.	2,184	-	-	-	378	230	990	b/	-	-
265	A. J. Guedin	120	Jan. 13, 1939	3,719	40	26	1,376	451	94	1,950	b/	1.0	206
266	W. M. Spessard	180	Oct. 31, 1938	1,682	19	8	637	427	68	740	b/	-	80
268	A. L. Lucas	250	do.	749	28	14	247	317	64	240	b/	-	129
269	D. O. Crompton	165	do.	3,165	122	84	586	128	240	1,700	b/	0.3	827
270	G. L. Dickerman Est.	160	Nov. 1, 1938	3,432	82	52	1,178	165	89	1,950	b/	0.8	417
271	Charles Hassold	180	Oct. 31, 1938	2,517	75	26	872	293	44	1,350	b/	1.2	296
272	D. F. Jones	120	Nov. 1, 1938	4,672	110	54	1,637	329	89	2,620	-	-	492
273	Daniel P. Moore	160	do.	7,100	238	98	2,386	275	53	4,190	-	-	1,001
274	Mrs. W. Griffith	206	Nov. 2, 1938	2,462	29	14	926	415	44	1,245	-	1.3	129
277	J. L. Custer	200	do.	-	-	-	-	-	48	1,240	-	-	-
278	M. Crites	210	Nov. 2, 1938	2,254	-	-	-	397	48	1,190	-	-	-
279	H. H. Hutto	160	Nov. 1, 1938	7,421	167	66	2,634	226	93	4,350	-	-	691
280	H. W. Smith	182	do.	2,466	35	16	917	403	48	1,250	-	.2	155
281	Ben E. Ivy	190	do.	-	-	-	-	-	12	1,220	-	-	-
283	W. W. Tolan	220	Oct. 8, 1938	5,578	-	-	-	207	119	3,350	b/	-	-
284	M. K. Hunt	220	do.	5,763	148	70	1,392	207	131	3,320	b/	-	659
285	Mrs. T. E. Schillen	120	do.	4,693	128	53	1,629	250	50	2,710	b/	0.6	536
302	H. A. Adams	253	Mar. 14, 1939	712	71	19	180	329	45	235	b/	0.5	257
303	do.	227	Mar. 16, 1939	752	-	-	-	305	45	280	b/	-	-
304	Tom N. Hall	263	do.	687	-	-	-	360	45	210	b/	-	-
305	William Herman	268	Mar. 20, 1939	706	51	19	200	360	49	210	b/	-	207
306	do.	275	Mar. 16, 1939	764	36	16	246	348	30	265	b/	0.6	155
307	W. Pool	220	Mar. 20, 1939	796	-	-	-	378	34	280	b/	-	-
308	C. H. Hughes	260	do.	762	-	-	-	299	45	290	b/	-	-
311	City of Odem	96	do.	2,351	104	46	755	506	37	1,160	b/	-	449
313	Mrs. N. Gerard	93	do.	1,407	-	-	-	378	112	600	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in San Patricio 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 ( $\text{HCO}_3$ )	Sulphate ( $\text{SO}_4$ )	Chloride (Cl)	Nitrate ( $\text{NO}_3$ )	Fluoride (F)	Total hardness as $\text{CaCO}_3$ (calc.)
314	Mrs. B. Knoble	80	Mar. 20, 1939	1,645	86	34	500	390	142	690	b/	1.1	356
317	Mrs. E. Lemons	86	do.	1,914	72	39	628	458	30	920	b/	-	339
318	J. D. Cox	220	Mar. 15, 1939	1,254	134	43	286	293	52	595	-	-	511
319	J. H. Barber	285	do.	809	65	27	210	214	37	365	b/	-	272
320	J. Bennett	183	Mar. 14, 1939	704	48	16	208	366	52	200	b/	-	185
321	John Hancock Life Ins. Co.	200 <del>4</del>	do.	3,643	368	129	825	250	168	2,037	b/	-	1,450
322	T. J. Warnell Est.	205	Mar. 15, 1939	3,184	326	113	716	256	153	1,750	b/	-	1,280
323	P. Vasquez	96	Mar. 14, 1939	1,385	169	51	286	281	56	685	b/	-	632
324	J. B. Johnson	285	Mar. 15, 1939	885	85	29	217	311	41	360	b/	-	333
325	E. D. Smith	96	Mar. 14, 1939	1,016	-	-	-	360	45	420	b/	-	-
326	Alvin Bremen	85	Mar. 13, 1939	1,287	144	55	267	201	52	670	b/	-	584
327	T. Kinney	93	Mar. 14, 1939	1,123	-	-	-	465	71	360	b/	-	-
328	H. P. Ramsey	85	Mar. 13, 1939	1,116	42	23	365	537	120	300	b/	1.8	199
329	Mrs. J. A. Johnson	198	Mar. 14, 1939	1,008	130	30	215	275	30	468	b/	-	449
330	do.	189	do.	929	-	-	-	281	41	410	b/	-	-
331	A. Hartzendorf	85	Mar. 13, 1939	1,376	162	49	293	244	52	700	b/	-	605
332	J. V. Clark	98	Mar. 15, 1939	574	-	-	-	323	25	175	b/	-	-
333	Joe Sherry	96	do.	601	75	28	122	366	26	170	b/	-	302
334	J. G. Summers	92	Mar. 14, 1939	1,111	-	-	-	348	75	460	b/	-	-
335	W. L. Lovett	92	Mar. 13, 1939	1,047	158	39	195	256	34	505	b/	-	554
336	John Rozypal	98	Mar. 14, 1939	571	73	21	121	305	26	180	b/	-	268
337	Pablo Olivares	105	do.	627	-	-	-	360	45	210	b/	-	-
338	J. Sorenson	96	do.	804	89	29	182	366	49	275	b/	-	343
339	Merle Wright	102	do.	815	90	26	190	360	52	280	b/	-	331
340	M. Oldrock	103	do.	704	70	18	180	323	37	240	b/	-	251
341	W. B. Baldwin	96	do.	1,349	172	55	265	281	34	685	b/	-	654
342	W. K. Fisk	102	do.	556	67	21	122	317	25	165	b/	-	253
344	R. B. Sherry	52	Mar. 11, 1939	1,378	104	40	371	372	90	590	b/	-	425
345	do.	100	Mar. 14, 1939	1,357	-	-	-	275	37	690	b/	-	-
346	W. R. Wright	85	Mar. 13, 1939	1,135	-	-	-	384	82	450	b/	-	-
347	A. B. Boscamp	100	do.	1,006	-	-	-	348	56	410	b/	-	-
348	Chas. Duderstadt	92	do.	1,108	-	-	-	354	75	455	b/	-	-
349	C. Boscamp	100	do.	1,238	-	-	-	384	127	475	b/	-	-
350	W. L. Coates	62	do.	1,645	186	66	342	366	131	740	b/	-	736

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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Partial analyses of water from wells in San Patricio 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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total hardness as CaCO <sub>3</sub> (calc.)
351	Sam Trylock	98	Mar. 13, 1939	987	-	-	-	342	63	395	h/	-	-
352	Mrs. Martha Hunt	100	Jan. 13, 1939	1,369	-	-	-	317	49	665	b/	-	-
353	do.	162	do.	1,065	-	-	-	354	56	445	h/	-	-
354	John Hancock Life Ins. Co.	120	do.	1,120	44	22	367	543	112	308	b/	-	199
355	H. Y. Jurecek	125	do.	1,393	106	40	375	384	93	590	h/	-	430
356	Matt Rozybar	60	do.	1,655	80	46	497	567	153	600	b/	-	389
357	Roy Parsley	50	Mar. 11, 1939	1,300	50	26	423	512	127	420	b/	1.7	231
358	B. F. Juddo	50	Jan. 13, 1939	2,108	84	75	597	714	489	510	b/	1.7	521
359	I. E. Bushong	50	Mar. 11, 1939	2,241	76	73	650	720	598	490	b/	-	490
360	Grover Benson	930	do.	966	6	1	38 <sup>a</sup>	390	34	350	b/	0.9	21
361	do.	400	do.	774	11	5	292	354	56	235	b/	0.9	48
362	M. F. Smith	155	Jan. 13, 1939	445	70	1	108	378	18	62	h/	-	181
363	Geo. Cook	40	Mar. 11, 1939	834	68	33	213	415	45	270	b/	0.9	305
364	T. O. Dyer	150	Mar. 13, 1939	945	104	41	203	427	67	320	b/	-	431
365	W. E. Reese	150	do.	910	108	46	178	427	63	305	b/	-	459
366	City of Sinton	936	Nov. 17, 1938	1,700	7	1	682	665	13	670	b/	-	20
367	do.	936	Apr. 13, 1939	2,217	11	4	868	390	11	1,130	b/	1.3	42
368	do.	985	Nov. 17, 1938	1,718	6	2	690	659	7	690	b/	-	21
369	do.	440	Apr. 13, 1939	816	2	1	330	397	11	275	b/	1.2	11
370	do.	936	Nov. 17, 1938	1,792	6	2	720	659	7	730	b/	3.6	21
371	do.	936	do.	1,612	6	2	649	659	8	620	b/	3.6	21
371	do.	936	Apr. 13, 1939	1,522	7	2	606	531	9	635	b/	1.8	27
372	do.	936	Nov. 17, 1938	1,856	6	3	742	634	9	780	b/	3.6	27
372	do.	936	Apr. 13, 1939	1,705	5	2	674	354	9	840	b/	1.2	22
376	R. H. Welder	935	do.	2,530	6	7	993	201	11	1,420	b/	0.8	21
377	Plymouth Oil Co.	385	do.	726	2	1	289	378	49	198	h/	-	11
378	do.	908	do.	2,669	19	4	1,033	305	13	1,450	b/	-	62
379	do.	366	Apr. 14, 1939	695	9	4	267	366	41	194	b/	0.6	37
380	Keep Oil Co.	400	Apr. 13, 1939	718	7	2	280	384	45	195	b/	-	27
381	R. H. Welder	1,040	Mar. 17, 1939	1,564	2	1	634	659	9	590	b/	3.5	11
382	do.	930	Apr. 13, 1939	1,332	5	2	536	342	11	620	b/	-	22
384	do.	900	do.	1,203	8	1	477	451	9	485	b/	-	26
385	do.	900	do.	1,518	7	2	592	366	11	720	b/	-	27
386	do.	345	do.	782	7	4	299	378	67	215	b/	-	32

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in San Patricio 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 ( $\text{HCO}_3$ )	Sulphate ( $\text{SO}_4$ )	Chloride (Cl)	Nitrate ( $\text{NO}_3$ )	Fluoride (F)	Total hardness as $\text{CaCO}_3$ (calc.)
388	Eliza A. Welder	203	Jan. 6, 1939	1,384	-	-	-	390	127	505	b/	-	-
389	Coleman Fulton Pasture Co.	180	Dec. 9, 1938	1,201	19	11	441	439	94	420	b/	-	92
390	do.	180	do.	1,191	-	-	-	439	112	430	b/	-	-
391	B. C. Baldwin	200	Jan. 6, 1939	1,264	-	-	-	403	135	475	b/	-	-
392	J. V. Mayo	189	Dec. 9, 1938	-	-	-	-	-	26	430	b/	-	-
393	N. E. & J. W. Mayo	190	do.	1,053	-	-	-	421	34	422	b/	-	-
395	H. D. Hughes	180	do.	1,206	-	-	-	403	22	540	b/	-	-
396	Mrs. E. B. Bridge-water	187	Jan. 9, 1939	1,261	20	9	470	390	45	525	b/	-	85
397	D. I. Coggin	210	do.	1,322	-	-	-	300	45	600	b/	-	-
398	S. E. Devendorf	210	Jan. 7, 1939	1,136	21	11	419	384	24	470	b/	1.6	97
399	J. W. Bullard	206	do.	1,325	14	6	496	390	142	475	b/	-	59
400	A. E. Nelson	205	Jan. 10, 1939	1,272	-	-	-	300	131	490	b/	-	-
401	E. C. Hodges	200	Jan. 9, 1939	1,141	6	1	454	421	12	460	b/	1.1	21
402	B. J. Willis	200	Mar. 8, 1939	1,071	-	-	-	415	14	455	b/	-	-
403	Frank Schilhab	200	do.	1,084	20	7	406	300	14	445	b/	-	80
404	Magnolia Pet. Co.	346	do.	1,214	5	2	483	427	9	505	b/	-	22
405	A. Flouke	200	Jan. 9, 1939	1,627	13	4	635	439	9	750	b/	-	47
406	F. T. Mutcheler	200	Mar. 8, 1939	1,115	4	1	443	415	19	440	b/	-	16
407	J. H. Schmalsiteg	210	do.	1,279	-	-	-	403	13	595	b/	-	-
408	J. R. Gossett	280	do.	1,688	8	1	667	427	11	790	b/	-	26
409	W. C. McDaniel	200	do.	1,131	-	-	-	433	9	680	b/	-	-
410	C. M. Moore	210	Jan. 9, 1939	1,081	-	-	-	403	11	470	b/	-	-
411	W. L. Lewis	200	Mar. 8, 1939	1,555	-	-	-	500	13	720	b/	-	-
412	Mrs. J. T. Gregory	180	Jan. 4, 1939	1,121	-	-	-	445	15	470	b/	-	-
413	A. O. Daly	202	Jan. 13, 1939	1,264	-	-	-	403	135	475	b/	-	-
414	Ernest Guedin	160	Jan. 4, 1939	1,205	13	4	467	439	25	478	b/	1.0	47
415	H. C. Olle	210	Jan. 14, 1939	1,546	-	-	-	403	135	655	b/	-	-
416	A. E. Nelson	190	Feb. 4, 1939	1,197	14	6	457	427	49	160	b/	1.0	59
417	W. T. George	160	Jan. 4, 1939	1,485	-	-	-	372	60	700	b/	-	-
418	Coleman Fulton Pasture Co.	220	Jan. 14, 1939	1,306	14	6	190	397	131	470	b/	-	59
419	do.	210	Jan. 12, 1939	1,253	-	-	-	403	127	475	b/	-	-
420	Hubert & Pyron	210	Jan. 10, 1939	1,280	-	-	-	397	139	485	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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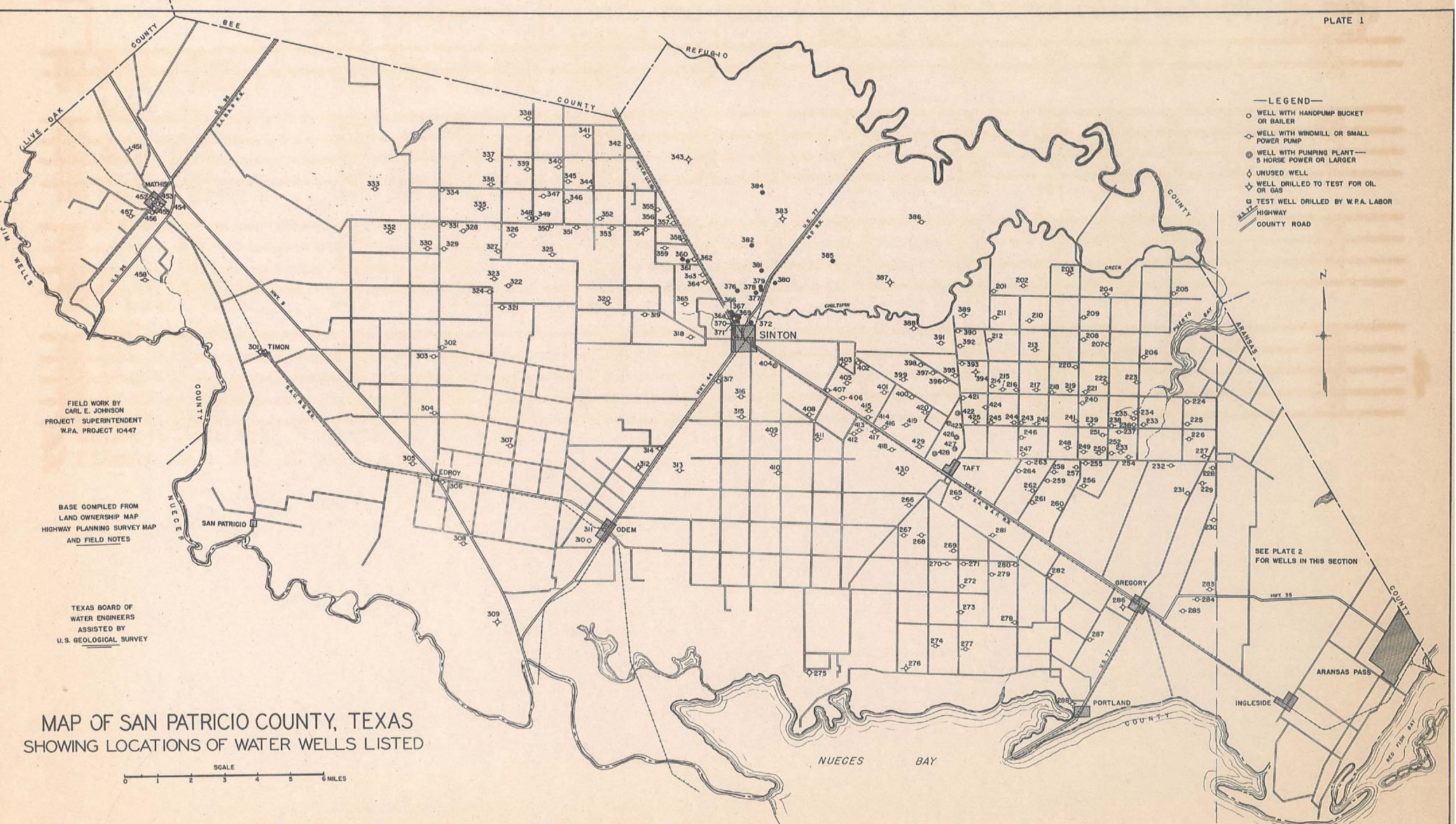
Partial analyses of water from wells in San Patricio County--Continued

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 <sub>3</sub> )	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Fluoride (F)	Total Hardness as CaCO <sub>3</sub> (calc.)
421	Frank Molina	183	Dec. 9, 1938	1,272	23	11	472	439	22	525	b/	1.2	102
422	Central Power & Light Co.	200	Nov. 16, 1938	1,512	35	14	539	366	89	655	b/	-	144
423	do.	200	do.	1,537	38	13	547	372	99	655	b/	1.9	148
424	A. B. Teel	180	Dec. 9, 1938	3,606	133	59	1,162	207	270	1,880	b/	0.6	576
425	M. S. Cook	180	do.	1,274	17	12	476	439	41	510	b/	1.5	92
426	Central Power & Light Co.	200	Nov. 16, 1938	1,497	-	-	-	390	91	670	b/	-	-
427	do.	190	do.	1,533	45	14	537	390	95	650	b/	-	169
428	do.	200	do.	1,531	37	15	542	360	95	665	b/	-	154
429	C. B. Patterson	210	Jan. 13, 1939	1,369	16	6	511	397	150	490	b/	1.1	54
430	Coleman Fulton Pasture Co.	210	do.	1,483	-	-	-	390	131	625	b/	-	-
452	Sid Hall	302	do.	948	33	13	327	324	30	355	b/	0.9	138
454	D. Stone	140	do.	1,390	202	41	258	250	131	635	b/	-	676
456	B. L. Frasier	70	Mar. 16, 1939	1,887	282	56	737	214	187	920	b/	-	935
458	N. P. Brown	142	Mar. 20, 1939	1,354	196	39	254	262	131	600	b/	-	649

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.



- LEGEND —
- WELL WITH HANDPUMP BUCKET OR BAILER
  - ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
  - ⊙ WELL WITH PUMPING PLANT— 5 HORSE POWER OR LARGER
  - ◇ UNUSED WELL
  - ◊ WELL DRILLED TO TEST FOR OIL OR GAS
  - TEST WELL DRILLED BY W.P.A. LABOR
  - HIGHWAY
  - COUNTY ROAD



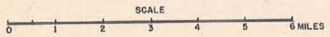
FIELD WORK BY  
CARL E. JOHNSON  
PROJECT SUPERINTENDENT  
W.P.A. PROJECT 10447

BASE COMPILED FROM  
LAND OWNERSHIP MAP  
HIGHWAY PLANNING SURVEY MAP  
AND FIELD NOTES

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

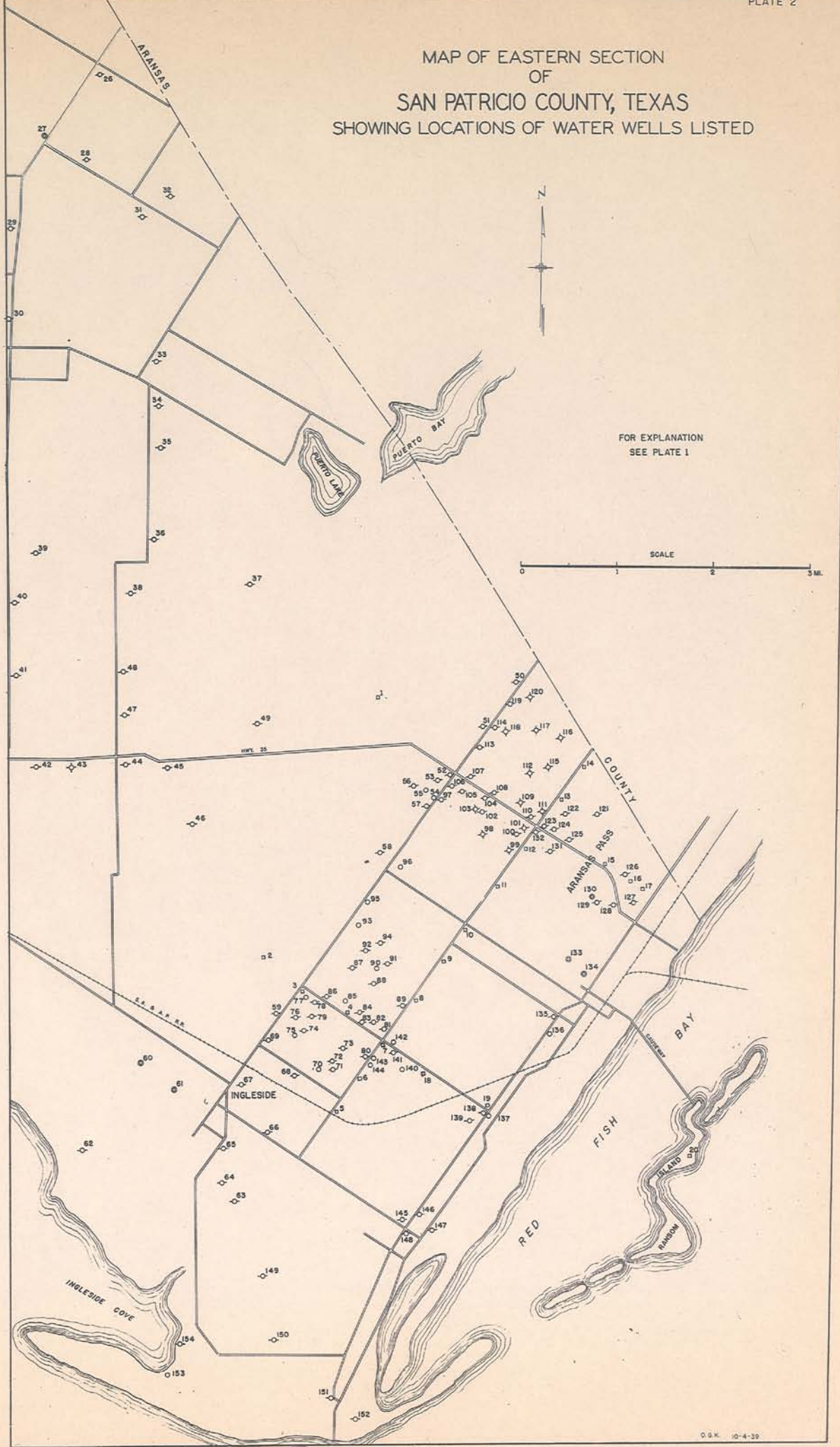
SEE PLATE 2  
FOR WELLS IN THIS SECTION

MAP OF SAN PATRICIO COUNTY, TEXAS  
SHOWING LOCATIONS OF WATER WELLS LISTED





MAP OF EASTERN SECTION  
OF  
SAN PATRICIO COUNTY, TEXAS  
SHOWING LOCATIONS OF WATER WELLS LISTED



FOR EXPLANATION  
SEE PLATE 1

