

NUECES COUNTY, TEXAS

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

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Public Works Administration

Sponsored by the United States Department of the Interior, Geological Survey,
and the Texas State Board of Water Engineers

NUECES COUNTY, TEXAS

Introduction

This release contains records of 176 wells, drillers' logs of 7 wells, and analyses of water from 28 wells in Nueces County, Texas. It is illustrated by a map on which the wells listed are shown, each well being given a number on the map corresponding to the number assigned to it in the table. Records were obtained during the summer of 1934 by Walter A. Lynch, under an allocation of funds by the Federal Emergency Administration of Public Works as a part of a Statewide program of ground-water investigations by the Texas State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

The records include the following: name of well, owner and driller; size and depth of well; position and thickness of chief water-bearing beds; character of pumping equipment, and amount of power used; depth to water; yield of well; and use made of the water. The results of field tests of the water for hardness and chloride are given for 128 of the wells.

The records serve as a guide to land owners and others who need information regarding wells and pumping plants in different parts of the area, and the quantity and quality of water yielded by the wells.

This release was mimeographed by employees of the Work Projects Administration, Project No. 17276.

Records of wells in Nueces County, Texas
All water-bearing beds are sands

Well	Distance from Agua Dulce	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)
	1 1/2 miles north northeast	M. P. Poole	--	1927	150	4 1/4	--	--
d/	2 9 miles north northeast	Mrs. E. A. Riney	--	--	170	4 1/4	--	--
	3 1/2 miles north northeast	Justina Bluntzer	--	--	32	5-3/16	--	--
	4 1/2 miles north northeast	Mrs. H. L. Nason	--	1900	129	4 1/4	--	--
	5 7/8 miles north	A. Volmering	-- Dennis	1911	180	5-3/16	--	--
	6 do.	do.	A. Schomacher	1917	290	6	250	40
	7 6 miles north northeast	Chas. Nesloney	Wm. David	1925	184	4 1/4	--	--
	8 8 miles north northeast	August Hinze	--	1913	135	4 1/4	--	--
	9 do.	Stock land Bank	--	1920	135	4 1/4	--	--

Wells in western part of county near Agua Dulce

d/	20 4 miles north	Richard King	-- Sanford	--	835	5-3/16	--	--
	21 2 1/2 miles north	John F. Camp	Frank Whitson	1934	541	4 1/2	491	8
							537	3
	22 1 1/4 miles north northwest	E. A. Blackburn	Whitson Bros.	1926	384	4 1/4	374	10
d/	23 2 miles north northeast	R. H. Walker	--	--	--	--	68	12
							266	34
							635	19
							713	2
	24 2 1/2 miles east northeast	Fred Quebe	John Riggins	1924	384	5-3/16	--	--
	25 3 1/2 miles east northeast	Mrs. S. N. Bitterman	Whitson Bros.	1924	329	3 1/2	309	20
	26 3/4 mile north northeast	Martindale Loan Co.	do.	1926	452	4 1/4	424	28
d/	27 At Agua Dulce	Agua Dulce School	A. B. Fuller	1910	402	--	--	--
	28 do.	Agua Dulce Gin Co.	Frank Whitson	1928	450	4 1/4	430	20
	29 do.	do.	John Riggins	1921	400	4 1/4	--	--

a/ H, hand pump; W, windmill; A, air lift; J, jack pump; E, electric motor; G, gasoline engine or oil engine; S, steam boiler; Gas, natural gas; F, artesian flow.

b/ P, public supply; Ind, industrial; T, drilling oil and gas prospects; D, domestic; S, stock; N, not used.

All wells are drilled unless otherwise noted in remarks

No.	Water level		Method of lift and amount of power <u>a/</u>	Use of water <u>b/</u>	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness <u>c/</u>	
1	--	--	W	D,S	390	320	
2	-93.4	Feb. 13, 1934	W	D,S	360	300	
3	-19.6	do.	H	D,S	95	120	
4	--	--	W,G	D,S	1,500	850	
5	-101.0	Feb. 6, 1934	W	D,S	300	290	
6	-93.7	do.	W	N	--	--	First water at 140 feet, second water at 170 feet.
7	-89.2	Feb. 9, 1934	W	D,S	470	270	
8	-92.9	Feb. 12, 1934	W	D,S	550	250	
9	-89.8	do.	W	D,S	1,400	850	
20	-30 -48.5	1913 <u>e/</u> Feb. 9, 1934	-- W	-- D,S	-- 650	-- 310	
21	--	--	A,G	T	850	210	Supplies water to rig drilling oil test.
22	-63.2	Feb. 9, 1934	J,G,114 H.P.	D,S	700	430	
23	--	--	--	N	--	--	Well abandoned and plugged.
24	-88.0	Feb. 9, 1934	W	D,S	1,500	1,100	
25	--	--	W	N	--	--	Bottom 20 feet casing perforated with 3/8-inch
26	-78.6	Feb. 9, 1934	W	D,S	500	400	Bottom 38 feet of holes. casing perforated with 3/8-inch holes. Supplies two houses, second well
27	--	--	--	N	--	--	Abandoned and on place. plugged because of salt
28	--	--	J,E	P	638	300	Bicarbonate water leak. 340 parts per million.
29	-92.7	Feb. 9, 1934	--	N	--	--	Abandoned Supplies town. on account of salt water.

c/ Hardness as calcium carbonate by the soap method.

d/ Analysis of water in table of analyses herewith.

e/ Records obtained by Alexander Deussen in 1913.

f/ Reported by driller.

g/ Records obtained by S. S. Nye in 1928.

Records of wells in Nueces County--Continued

Well No.	Distance from Agua Dulce	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)
30	1 $\frac{1}{4}$ miles southeast	C. Y. Witte	Whitson Bros.	1924	379	3 $\frac{1}{4}$	352	25
31	1 $\frac{1}{2}$ miles east southeast	L. F. Whitson	do.	1926	486	4 $\frac{1}{2}$	475	11
32	3 miles east	J. D. Sponberg	do.	1925	328	4 $\frac{1}{4}$	--	--
33	3 $\frac{1}{2}$ miles southeast	Mrs. Bessie Kerr	John Riggins	1921	320	3 $\frac{1}{4}$	--	--
34	4 miles southeast	United Gas System	Frank Whitson	1934	401	2	380	21
d/ 35	1 mile northwest	C. A. Eggleston	--	--	290	4	--	--
d/ 36	2 miles west	B. F. Wolcott	-- McNeil	1909	366	6	360	6

Wells in extreme southwestern part of county

40	4 $\frac{1}{2}$ miles south	W. H. Rivers Estate	John Riggins	1919	420	4 $\frac{1}{2}$	--	--
41	do.	do.	do.	1924	420	4 $\frac{1}{2}$	--	--
42	6 $\frac{1}{2}$ miles south southeast	Taylor Cage	A. C. Downs	1923	547	4 $\frac{1}{2}$	--	--
43	7 $\frac{1}{2}$ miles south	J. B. Butts	R. L. Fortram	1933	580	4 $\frac{1}{2}$	--	--
44	8 miles south	Brown Gin Co.	Hall and Welty	1926	376	3 $\frac{1}{2}$	--	--
45	9 miles south	Stratton Estate	Houston Oil Co.	1933	525	--	--	--
46	8 miles south	J. K. Cain	R. L. Fortram	1934	606	4 $\frac{1}{2}$	575	31

Well No.	Distance from Calallen	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)
50	7 miles west northwest	Mrs. T. C. Wilson	T. C. Wilson	1910	99	4 $\frac{1}{2}$	98	--
51	8 miles west	Tony Ocker	Hall and Welty	--	186	3 $\frac{1}{2}$	--	--

Wells in northern part of county near Calallen

50	7 miles west northwest	Mrs. T. C. Wilson	T. C. Wilson	1910	99	4 $\frac{1}{2}$	98	--
51	8 miles west	Tony Ocker	Hall and Welty	--	186	3 $\frac{1}{2}$	--	--

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
50	-86.1	Feb. 21, 1934	W	D,S	1,300	550	Bottom 20 feet perforated with 3/8-inch holes. Casing now leaks a little salt water
31	--	--	W	D,S	650	210	
32	-73.8	Feb. 21, 1934	W	D,S	850	340	
33	-72.7	Feb. 16, 1934	W	D,S	1,700	490	Temperature 77° F.
34	--	--	A,G	T	650	160	2-inch casing set in 6-inch hole. Used to supply water for drilling oil tests. Temperature
35	--	--	W	D,S	728	350	Bicarbonate, 384 parts per million. 79° F.
36	--	--	--	N	--	--	Casing collapsed and well abandoned in 1919.

40	--	--	W	D,S	1,000	270	Well reported to have always supplied about the same quality of water.
41	-61.7	Feb. 21, 1934	W	S	3,400	1,600	Water became salty about a year ago.
42	-63	Mar. 14, 1934	W	D,S	--	--	
43	-52.5	Feb. 21, 1934	W	D,S	650	120	Cased with copper bearing, steel casing. Bottom 40 feet perforated and 24 feet of 3-inch screen.
44	-59.1	Feb. 23, 1934	W	D,S, Ind	1,000	330	Temperature 80° F.
45	--	--	W	S	--	--	Drilled for oil rig. Now used for stock. Supplied plenty of water for drilling.
46	--	--	W	D,S	--	--	Weak supply reported.

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
50	--	--	W	D,S	--	--	First water at 60 feet. unfit for use. Did not penetrate second sand.
51	-55.9	Mar. 9, 1934	W	D,S	800	300	

Records of wells in Nueces County--Continued

Well No.	Distance from Calallen	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in northern part of county near Calallen

52	5½ miles west	C. W. Hafer	John Riggins	1923	140	4½	--	--
53	4 miles west	L. D. Bevely	--	1914	125	4½	--	--
54	3¼ miles west	-- Lillie	R. H. Sikes	1934	240	3½	--	--
55	1½ miles southwest	Mrs. E. H. Chestnut	--	--	140	4½	--	--
56	1½ miles southeast	W. R. Griffin	W. R. Griffin	1930	20	46	0	20
57	4 miles east	Chas. McKinsie	Chas. McKensie	1914	15	48	0	15

Well No.	Distance from Banquete	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Banquete

70	4 miles north	J. O. Lamb	Whitson Bros.	1924	237	3½	205	32
71	4 miles north northeast	Lee Herrmann	Frank Whitson	1932	245	4½	220	25
72	2½ miles north	J. O. Lamb	Whitson Bros.	1923	208	4½	190	18
73	4 miles northeast	Mrs. V. Bluntzer	Hall and Welty	1934	261	4½	233	28
73a	--	do.	-- Maseron	1934	482	4½	--	--
74	1½ miles northeast	--	Whitson Bros.	1924	273	4½	259	14
75	1 mile northwest	Mrs. B. B. Simonds	do.	1923	363	3½	342	21
76	do.	do.	Hall and Welty	1933	356	4½	--	--
77	At Banquete	Mrs. Daisy Berry	Whitson Bros.	1924	295	4½	283	12
78	2 miles east	O. B. Burnett	Hall and Welty	1926	258	3½	238	20
79	2¾ miles south southwest	Otto Walters	Whitson Bros.	1924	352	4½	331	21

No.	Water level		Method of lift and amount of power <u>a/</u>	Use of water <u>b/</u>	Field tests per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness <u>c/</u>	
52	--	--	W	D,S	1,200	550	
53	--	--	W	D,S	950	330	
54	-68.2	Mar. 9, 1934	W	D,S	1,200	220	Well originally 140 feet deep, water unfit for use
55	-72.3	Mar. 10, 1934	W	D,S	1,500	490	
56	-17.7	Mar. 12, 1934	W	D,S	65	390	Water just below this surface stratum reported to be very bitter. Dug well.
57	-10.4	Mar. 23, 1934	H	D,S	200	370	Dug well.

No.	Water level		Method of lift and amount of power <u>a/</u>	Use of water <u>b/</u>	Field tests per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness <u>c/</u>	
70	--	--	W	D,S	670	400	Bicarbonate, 432 parts per million.
71	-71.1	Apr. 3, 1934	W	D,S	750	440	
72	-71.9	Feb. 12, 1934	W	D,S	1,000	420	Bottom 19 feet of casing perforated with 3/8-inch holes.
73	--	--	A,S	T	--	--	Well would not furnish enough water for oil test rig. Water foamed badly in boilers.
73a	--	--	A,G,20 H.P.	T	800	160	These two wells hardly supply drilling rig.
74	-63.1	Feb. 13, 1934	W	D,S	1,100	450	18 feet of perforated casing at bottom.
75	--	--	J,G,1 1/2 H.P.	N	--	--	Water became unfit for use about one year ago.
76	-69.0	Feb. 12, 1934	W	D,S	785	260	Bicarbonate, 352 parts per million. Water level when pumping, -78.05 feet.
77	-67.2	Feb. 13, 1934	W	D,S	2,900	1,500	In 1926 water began to get salty and 2 years ago
78	--	--	W	D,S	730	240	Bicar- became very salty. bonate, 304 parts per
79	-67.1	Feb. 16, 1934	W	D,S	1,500	380	Bottom 20 feet of casing perforated with 3/8-inch holes.

Records of wells in Nueces County--Continued

Well No.	Distance from Banquete	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Banquete--Continued

80	3½ miles south southwest	C. P. Talbert	Frank Whitson	1934	358	4½	354	4
81	4½ miles south southwest	Ollie Pearl	Whitson Bros.	1924	317	4½	288	22
82	4 miles south	Simonds and Perry	A. C. Downs	1925	550	4½	--	--
83	5 miles south	-- Sullivan	Colquit and Hawn	1934	--	--	--	--
84	do.	Simonds and Perry	Frank Whitson	1928	549	4½	534	15

Well No.	Distance from Robstown	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Robstown

90	5½ miles northwest	O. J. Henke	--	1914	200	4¼	--	--
91	3½ miles northwest	L. Roktorick	Hall and Welty	1932	246	4½	--	--
92	2¼ miles west	O. W. Stone	John Riggins	1924	275	4½	--	--
93	2½ miles north	C. D. Moody	Hall and Welty	1930	175	3½	--	--
94	2¾ miles north	H. S. Dowling	do.	Old	240	4¼	--	--
95	2½ miles north northeast	H. H. Jones	do.	1911	500	4½	--	--
96	4½ miles northeast	J. I. Hall	do.	1917	285	4½	--	--
d/ 97	3½ miles east northeast	Steven Swetlick	do.	--	240	4¼	--	--
98	2½ miles east	T. J. Thomas	do.	1919	240	4¼	--	--

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
80	--	--	W	D,S	950	360	This is fourth well drilled here. Water from others became unfit for use after several years.
81	-62.3	Feb. 16, 1934	W	D,S	1,300	420	Well was recased last year. Reported that water is now as good as at first.
82	--	--	W	D,S	750	130	
83	--	--	--	--	--	--	Oil test
84	--	--	W	D,S	900	240	Well originally 410 feet deep, water unfit for use, and well was deepened.
No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
90	-72.8	Mar. 10, 1934	W	D,S	850	500	
91	66.3	Mar. 9, 1934	W	D,S	750	240	First water at 60 feet was very salty.
92	--	--	W	D,S	700	110	One year ago well became very salty and was recased with 200 feet of 3 $\frac{1}{4}$ -inch casing with cloth packer. Temperature 74 ^o F.
93	--	--	W	D,S	1,200	380	
94	56	Mar. 10, 1934	W	D,S	1,500	600	This well reported to have the only water fit for drinking purposes in im-
95	-57.8	Mar. 12, 1934	W	S	2,500	750	mediate vicinity. Well originally 260 feet, deepened to 500, but lower water same feet deep as above. Casing is leaking
96	--	--	W	S	1,600	500	now.
97	-47.6	Mar. 23, 1934	W	D,S	1,200	240	
98	-42.6	Mar. 12, 1934	W	D,S	1,100	120	

Records of wells in Nueces County--Continued

Well No.	Distance from Robstown	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Robstown--Continued

d/ 99	At Robstown	St. L. B. & M. Ry. Co.	--	--	375	10	--	--
100	5½ miles west	D. H. Harper	Hall and Welty	1917	220	4¼	--	--
101	5½ miles southwest	Joe Davis Estate	do.	1914	232	4¼	--	--
102	4 miles southwest	Joe G. Lyon	--	1907	175	4¼	--	--
103	3 miles southwest	R. B. Humphries	Whitson Bros.	1924	295	4¼	282	13
d/104	2½ miles south	J. W. Wilson	-- Curry	1912	241	4¼	240	--
105	6 miles southwest	W. L. Gandy	Hall and Welty	1920	240	3¼	--	--
106	5 miles south	T. R. Grimes	do.	1919	232	4¼	--	--
107	4¾ miles south	G. Rogge and Son	do.	1927	360	4¼	--	--
108	do.	Fred Tally	do.	1924	242	4¼	--	--
109	6 miles south southeast	F. W. Hinze	do.	1923	280	4¼	--	--
110	8 miles south southeast	W. R. Gibb	R. McNeil	1911	336	4¼	--	--
d/111	At Robstown	Mrs. Mary Luby	A. McNeil	--	280	6	--	--

Well No.	Distance from Driscoll	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Driscoll

120	5½ miles west	Stock Land Bank	R. Fortram	1926	575	3¼	545	30
121	4½ miles west	Mrs. C. D. Phluger	do.	1929	760	3½	--	--
122	5 miles southwest	W. R. Gillam	do.	1933	775	4½	--	--
123	2¾ miles west	Knoght and Wilson	do.	1933	890	4¼	--	--

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
99	--	--	--	N	688	106	Abandoned more than 15 years ago.
100	-61.6	Mar. 23, 1934	W	D,S	900	270	
101	-56.7	Mar. 13, 1934	W	D,S	1,000	260	
102	--	--	W	D,S	950	230	
103	-54.5	Mar. 13, 1934	W	D,S	600	75	
104	-60	1913 e/	--	--	--	--	Reported that well does not penetrate sand.
	-55.1	Mar. 12, 1934	W	D,S	850	70	
105	--	--	W	D,S	850	210	
106	-48.4	Mar. 13, 1934	W	D,S	800	95	Reported that water turned salty in 1929. Recased with 232 feet of 3 $\frac{1}{4}$ -inch casing.
107	--	--	W	D,S,I	610	40	
108	--	--	W	D,S	950	95	
109	-36.7	Mar. 14, 1934	W	D,S	550	40	
110	-44.5	Mar. 16, 1934	W	D,S	700	85	
111	--	--	--	N	700	70	Well abandoned many years ago.
No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness c/	
120	-40.7	Mar. 14, 1934	W	D,S	600	130	Water level is lowered about 8 feet when pumping. 20 feet of screen used.
121	-33.2	Feb. 23, 1934	W	D,S	800	110	20 feet of screen used.
122	-32.6	Mar. 14, 1934	W	D,S	750	170	40 feet of perforated casing used.
123	- 2.5	Dec. 1939 f/	W	S	--	--	Driller reports well yielded 150 gallons a minute in a test.

Records of wells in Nueces County--Continued

Well No.	Distance from Driscoll	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Driscoll--Continued

124	2 $\frac{3}{4}$ miles west	Knoght and Wilson	R. Mills	1912	700+	4 $\frac{1}{2}$	--	--
125	3 miles northwest	Mrs. L. Rivers Estate	A. C. Downs	1912	1,070	--	--	--
d/126	1 $\frac{3}{4}$ miles north	Mrs. C. Sevier	Thomas Fowler	--	935	4 $\frac{1}{2}$	--	--
d/127	1 $\frac{1}{4}$ miles north	do.	J. P. Morris	--	963	--	--	--
d/128	$\frac{3}{4}$ mile northwest	A. R. Ladd	do.	1907	570	8	--	--
129	At Driscoll	Heinz and Pohlmeier	R. Fortram	1931	700	5- 3/16	645	20
d/130	do.	John Sherry	Hall and Welty	1910	695	--	--	--
131	1 $\frac{1}{2}$ miles southeast	Mrs. E. A. Flynn Estate	--	1908	545	5- 3/16	--	--
d/132	2 $\frac{1}{2}$ miles east	do.	--	1912 1927	1,019 354	5-3/16 4 $\frac{1}{2}$	--	--
133	4 miles east	J. M. Purcell	Hall and Welty	1914	350	3 $\frac{1}{2}$	--	--
134	5 miles east	D. H. Perry	do.	1914	420	4 $\frac{1}{2}$	--	--
135	6 miles east	Atkins and Oneil	W. L. McCoy	1934	330	4 $\frac{1}{2}$	364	16
136	7 $\frac{1}{2}$ miles east	J. W. Mosley	Hall and Welty	1923	245	4 $\frac{1}{2}$	--	--
137	9 miles east	do.	do.	1928	316	4 $\frac{1}{2}$	--	--
d/138	At Driscoll	Burr Westerbrook	do.	1910	239	4 $\frac{1}{2}$	230	9
d/139	Near well 133	J. M. Purcell	J. Dunn	1911	240	4 $\frac{1}{2}$	230	10
140	Near well 134	D. H. Perry	do.	1911	353	4 $\frac{1}{2}$	--	--

Well No.	Distance from Bishop	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Bishop

145	2 $\frac{1}{2}$ miles northwest	R. R. Menn	R. Fortram	1933	605	4 $\frac{1}{2}$	--	--
146	1 $\frac{1}{2}$ miles west northwest	Mrs. W. Miller	A. Trevino	1934	612	4 $\frac{1}{2}$	--	--

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests		Remarks
	Above or below surface or bench mark	Date of measurement			parts per million	Chloride	
124	-35.3	Apr. 4, 1934	W	D,S	350	100	
125	--	--	W	S	1,900	700	Casing allowing salt water to enter well.
126	- 3.4	Mar. 5, 1934	W	D,S	850	140	Flows slightly when pump is idle for a long period
127	+	Mar. 6, 1934	F	S	700	180	Well flows into a creek about 12 feet below general level of ground. Tem
128	- 6 -10 -12.6	1913 e/ 1928 g/ Mar. 6, 1934	-- W	-- D,S	750 --	150 --	Bicar- perature 82° F. bonate, 228 parts per million.
129	-14	1931 f/	W	P	500	70	Driller reports well yielded 150 gallons a minute with power pump.
130	- .5 -10 -14.9	1913 e/ 1928 g/ Apr. 4, 1934	--	N	--	--	
131	-20	Apr. 4, 1934	W	S	370	30	Well recased with 4-inch casing.
132	+Flowed -15.9	1913 e/ Mar. 14, 1934	-- W	N D,S	-- 600	-- 55	Abandoned.
133	---	--	W	D,S	500	60	
134	--	--	W	D,S	500	40	Temperature 76° F.
135	35.3	Mar. 31, 1934	A,G,10 H.P.	T	--	--	Drilled to supply oil rig.
136	37.8	Mar. 16, 1934	J,G	Ind	--	--	
137	39.5	do.	J,G	Ind	650	70	
138	--	--	--	N	--	--	Casing failed and well abandoned many years ago.
139	--	--	--	N	--	--	Abandoned in 1913, well 133 drilled to replace it.
140	--	--	--	N	--	--	Abandoned in 1913, well 134 drilled to replace it.

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field test		Remarks
	Above or below surface or bench mark	Date of measurement			parts per million	Chloride	
145	-27.6	Mar. 14, 1934	W	D,S	300	100	30 feet of perforated casing in well.
146	-26.7	do.	W	D,S	350	90	20 feet of perforated casing in well.

Records of wells in Nueces County--Continued

Well No.	Distance from Bishop	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Bishop--Continued

147	At Bishop	C. A. Barber	--	1924	712	6	--	--
d/148	do.	Central Power & Light Co.	M. Miller	1914	850 ⁺	6	--	--
149	1 $\frac{1}{2}$ miles south southwest	A. C. Phluger	R. Fortram	1934	745	4 $\frac{1}{2}$	--	--
150	2 miles east	F. Kretchmar	do.	1929	880	4 $\frac{1}{2}$	--	--
151	2 miles east southeast	Mrs. John Olsen	--	Old	900	4 $\frac{1}{4}$	--	--
152	3 $\frac{1}{2}$ miles east southeast	F. G. Goercke	Pete Christianson	1924	920	4 $\frac{1}{4}$	--	--
153	5 $\frac{1}{2}$ miles east northeast	Kieschnick and Dube	R. Fortram	1927	890	4 $\frac{1}{4}$	--	--
154	do.	Farmers Gin No. 1	Pete Christianson	1927	860	5- 3/16	--	--
155	5 $\frac{1}{2}$ miles east	J. B. Butts	Frank Honce	1912	1,005	4 $\frac{1}{4}$	--	--
d/156	9 $\frac{1}{2}$ miles east northeast	Mrs. Mary Luby Estate	--	--	1,000 ⁺	--	--	--
157	10 miles east	John Luby	--	--	935	4 $\frac{1}{2}$	--	--
158	9 miles east	R. C. Zimmerman	R. Fortram	1933	920	4 $\frac{1}{2}$	--	--
159	10 miles east	Mrs. J. Luby Estate	Hall and Welty	--	460	4 $\frac{1}{4}$	--	--
160	12 miles east	McCann Bros.	--	--	1,035	5- 3/16	--	--
d/161	9 miles northeast	Hal Yakey	O. Caldwell	--	800 ⁺	4 $\frac{1}{4}$	--	--
d/162	12 miles east northeast	John Luby	--	--	1,130	--	--	--
d/163	Near well 157	do.	H. Curry	1913	350	5	--	--
d/164	At Bishop	City of Bishop	--	--	1,050	5- 3/16	--	--

a/ H, hand pump; W, windmill; A, air lift; J, jack pump; E, electric motor; G, gasoline engine or oil engine; S, steam boiler; Gas, natural gas; F, artesian flow.

b/ P, public supply; Ind, industrial; T, drilling oil and gas prospects; D, domestic; S, stock; N, not used.

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chloride	Hardness c/	
147	-27	Mar. 14, 1934	W	D	305	80	Bicarbonate, 324 parts per million.
148	--	--	A,E	P	320	75	
149	--	--	W	D,S	298	80	Bicarbonate, 324 parts per million.
150	-25.4	Feb. 23, 1934	W	D,S	320	45	400 feet of 4½-inch casing, balance 3½-inch casing including 24 feet of screen. Lead seal set a
151	-27.8	Mar. 5, 1934	W	D,S	340	120	This well [redacted] 389 feet supplies 2 farms.
152	-16.9	Mar. 6, 1934	W	D,S	420	150	400 feet of 4½-inch casing and 540 feet of 3½-inch casing, including
153	- 9.4	Mar. 14, 1934	W	D,S	360	35	[redacted] screen.
154	--	--	W	Ind	380	35	Temperature 78° F.
155	---	--	W	D,S, Ind	500	100	Casing reported to be leaking slightly.
156	+	Mar. 31, 1934	F	S	550	800	Some people use this water for mineral water.
157	- 5.8	Apr. 4, 1934	W	D,S	500	55	Well flows about 10 gallons a minute. Temper-
158	- 3.2	Mar. 6, 1934	W	D,S	460	65	Reported [redacted] ature 80° F. that well penetrated
159	-16.7	Mar. 16, 1934	W	D,S	800	430	Not used for [redacted] much sand. drinking. Temperature
160	+	do.	F,J,P	D,S Ind	500	50	Well flows [redacted] 74° F. slight amount. Pumped
161	- 7.5	June 22, 1934	W	D,S	670	65	[redacted] for cotton gin at times Bicarbonate, 230 parts per million. Reported
162	--	--	--	N	--	--	Well [redacted] +3-foot head in caved in and [redacted] 1913 e/
163	--	--	--	N	--	--	Well now [redacted] abandoned.
164	--	--	--	N	--	--	Well has been abandoned for many years.

c/ Hardness as calcium carbonate by the soap method.

d/ Analysis of water in table of analyses herewith.

e/ Records obtained by Alexander Deussen in 1913.

f/ Reported by driller.

g/ Records obtained by S. S. Nye in 1928.

Records of wells in Nueces County--Continued

Well No.	Distance from Clarkwood	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Clarkwood

170	3 miles northeast	B. V. Alexander	--	--	14	48	--	--
171	4½ miles east northeast	John Dunn	-- Dennis	1931	60	5- 3/16	--	--
172	At Clarkwood	T. H. Isensee	R. McNeil	1913	365	--	--	--
173	1¾ miles west	do.	Hall and Welty	1925	251	4½	246	5
174	3½ miles west southwest	Jacob Ranly	R. H. Sikes	1931	304	4½	295	9
175	2¼ miles southwest	J. E. Jalufka Estate	Hall and Welty	--	265	4½	--	--
176	1 mile south	F. Krcurek Estate	--	1925	40	48	--	--
177	3¼ miles south	R. Baldwin	--	Old	33	60	--	--
178	4½ miles southeast	Mrs. M. Kelly	--	1924	40	144	--	--

Well No.	Distance from Chapman Ranch	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Chapman Ranch

190	7½ miles northwest	Mrs. C. H. Cooke	Hall and Welty	--	330	4½	--	--
191	7½ miles north northwest	S. A. London	do.	--	300	4½	--	--
192	7 miles north northwest	Mrs. C. H. Cooke	Everhart and Grasmuck	--	355	4½	--	--
193	7 miles north	F. V. Arnim	Hall and Welty	1911	350	5- 3/16	--	--
194	4½ miles north northwest	J. E. Garret	do.	1924	528	3½	--	--
195	7 miles west northwest	J. O. Chapman	A. C. Downs	1926	561	4½	545	15
196	4¾ miles northwest	do.	do.	1926	497	4½	480	17

No.	Water level		Method of lift and amount of power <u>a/</u>	Use of water <u>b/</u>	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness <u>c/</u>	
170	-10.3	Nov. 23, 1934	W	N	3,400	2,800	Dug well.
171	-49.0	do.	W	S	1,100	800	
172	-50	1913 <u>e/</u>	--	N	--	--	Reported that water was suitable only for stock.
173	-21.2	Mar. 12, 1934	W	D,S	2,300	500	
174	-33.2	do.	W	S	2,000	280	
175	-26.5	do.	W	D,S	2,400	420	Well originally drilled to 560 feet in search of better water. All sands tested. Lower water re-
176	--	--	W	D,S	150	210	Dug well. Reported very salty. Well is close to
177	-21.0	Mar. 19, 1934	W	D,S, Ind	60	480	Well reported to yield plenty of water for ranch. Soil in vicinity of well is sandy. Dug
178	-26.3	Mar. 17, 1934	W	D,S	230	550	Used by neighbors for drinking. Dug well.
No.	Water level		Method of lift and amount of power <u>a/</u>	Use of water <u>b/</u>	Field tests parts per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chlo-ride	Hard-ness <u>c/</u>	
190	--	--	W	D,S	950	110	
191	--	--	W	S	3,500	1,800	Well recased with 3 $\frac{1}{2}$ -inch casing.
192	-28.2	Mar. 16, 1934	W	S	4,500	2,500	do.
193	-16.3	Mar. 20, 1934	J,G	Ind	--	--	
194	-24.7	Mar. 19, 1934	W	S	1,300	260	
195	--	--	--	N	--	--	543 feet of 4 $\frac{1}{4}$ -inch casing and 60 feet of 3 $\frac{1}{2}$ -inch casing, including 20
196	-27.1	Mar. 20, 1934	W	S	--	--	479 feet of strainer. feet of 4 $\frac{1}{4}$ -inch casing and 60 feet of 3 $\frac{1}{2}$ -inch, including strainer.

Records of wells in Nueces County--Continued

Well No.	Distance from Chapman Ranch	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Chapman Ranch--Continued

197	4 miles northwest	J. O. Chapman	A. C. Downs	1926	516	4 $\frac{1}{4}$	--	--
198	6 miles west northwest	Mrs. R. E. Cowles	do.	1925	536	4 $\frac{1}{4}$	515	21
199	5 miles west northwest	do.	do.	1926	512	4 $\frac{1}{4}$	485	27
200	4 miles west northwest	do.	do.	1925	507	4 $\frac{1}{4}$	487	20
201	3 $\frac{1}{4}$ miles northwest	do.	do.	1925	494	4 $\frac{1}{4}$	476	18
202	2 $\frac{1}{2}$ miles northwest	do.	do.	1925	496	4 $\frac{1}{4}$	--	--
203	2 miles northeast	Mrs. B. Cunningham	do.	1926	197	4 $\frac{1}{4}$	185	12
204	6 miles west	do.	do.	1925	534	4 $\frac{1}{4}$	510	24
205	5 miles west	do.	do.	1925	499	4 $\frac{1}{4}$	481	18
d/206	4 miles west	do.	do.	1925	491	4 $\frac{1}{4}$	472	19
207	3 miles west	do.	do.	1925	506	4 $\frac{1}{4}$	480	26
208	2 miles west northwest	do.	do.	1926	498	4 $\frac{1}{4}$	--	--
209	1 $\frac{1}{2}$ miles northeast	do.	do.	1926	190	4 $\frac{1}{4}$	180	10
210	6 miles west	J. O. Chapman	do.	1926	1,106	5- 3/16	1,090	16
211	5 miles west	do.	do.	1926	501	4 $\frac{1}{4}$	481	20

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chloride	Hardness c/	
197	--	--	W	S	--	--	496 feet of 4½-inch casing and 60 feet of 3½-inch, including 20 feet
198	-21.6	Mar. 20, 1934	--	N	--	--	511 feet of strainer, of 4½-inch casing and 63 feet of 3½-inch, including
199	-21.4	do.	--	N	--	--	493 feet of strainer, 4½-inch casing and 63 feet of 3½-inch, includ-
200	--	--	W	S	--	--	489 feet of strainer, of 4½-inch casing and 79 feet of 3½-inch, includ-
201	--	--	W	S	--	--	474 feet of strainer, of 4½-inch casing and 60 feet of 3½-inch, includ-
202	--	--	W	S	--	--	482 feet of 4½-inch casing and 60 feet of 3½-inch, including 20 feet of
203	--	--	W	S	--	--	185 feet of 4½-inch casing and 20 feet of 3½-inch, including 20 feet of
204	--	--	--	N	--	--	511 feet of strainer, of 4½-inch casing and 50 feet of 3½-inch, includ-
205	-18.6	Mar. 20, 1934	--	N	--	--	481 feet of 4½-inch casing and 61 feet of 3½-inch, including strainer.
206	--	--	W	S	1,000	100	472 feet of 4½-inch casing and 60 feet of 3½-inch, including strainer.
207	--	--	W	S	--	--	487 feet of 4½-inch casing and 60 feet of 3½-inch, including 20 feet
208	--	--	W	S	950	100	Well of strainer, originally 210 feet deep but was not fit for use.
209	--	--	W	S	750	130	176 feet of 4½-inch casing and 20 feet strainer.
210	0.0	Mar. 20, 1934	W	S	650	40	700 feet of 5-3/16-inch, 300 feet of 4½-inch and 228 feet of 3½-inch, including strainer. Water stands even with ground.
211	17.4	do.	--	N	--	--	481 feet of 4½-inch casing and 59 feet of 3½-inch, including strainer.

Records of wells in Nueces County--Continued

Well No.	Distance from Chapman Ranch	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Well in vicinity of Chapman Ranch--Continued

212	4 miles west	J. O. Chapman	A. C. Downs	1926	532	4 $\frac{1}{2}$	515	17
213	2 $\frac{3}{4}$ miles west	do.	R. Mills	--	1,240+	5- 3/16	--	--
d/214	At Headquarters	do.	A. C. Downs	1926	1,173	6- 5/8	1,151	22
215	6 miles west	do.	do.	1926	516	4 $\frac{1}{2}$	--	--
216	5 miles west	P. A. Chapman	do.	1925	546	4 $\frac{1}{2}$	--	--
217	4 miles west southwest	do.	do.	1925	515	4 $\frac{1}{2}$	500	15
218	2 miles southwest	do.	do.	1925	546	4 $\frac{1}{2}$	530	16
219	6 miles west southwest	do.	do.	1926	497	4 $\frac{1}{2}$	480	17
220	5 miles west southwest	do.	do.	1926	545	4 $\frac{1}{2}$	527	18
242	3 $\frac{1}{2}$ miles east northeast	Mrs. H. M. King Estate	G. McGavick	--	104	4 $\frac{1}{2}$	--	--
243	6 $\frac{1}{2}$ miles east northeast	do.	do.	--	85	4 $\frac{1}{2}$	--	--
244	8 miles east	do.	Wm. Cody	--	42	4 $\frac{1}{2}$	--	--
245	3 $\frac{1}{2}$ miles east	do.	do.	--	94	5- 3/16	--	--
d/246	5 $\frac{1}{2}$ miles east	do.	do.	--	54	6	--	--
247	6 $\frac{1}{2}$ miles east	do.	do.	--	52	4 $\frac{1}{2}$	--	--
248	8 miles east	do.	do.	--	65	4 $\frac{1}{2}$	--	--
249	5 $\frac{1}{2}$ miles east	do.	Dick Mills	1930	1,544	6- 5/8	1,361	22

No.	Water level		Method of lift and amount of power e/	Use of water b/	Field tests per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chloride	Hardness c/	
212	--	--	--	N	--	--	514 feet of 4½-inch casing and 18 feet of strainer in 80 feet of 3¼-inch casing.
213	+	Mar. 31, 1934	F	S	1,600	180	Temperature 89° F. Flow of 10 gallons a minute at 7 feet above ground.
214	+	Mar. 20, 1934	F, J, E, 5 H.P.	P	900	75	Flow of 15 gallons a minute. 560 feet of 6-5/8-inch casing, 492 feet of 5-3/16-inch and 221 feet of 4¼-inch, including 20 feet of strainer. Temperature 84°C
215	--	--	--	N	--	--	498 feet of 4¼-inch casing and 65 feet of 3¼-inch including strainer.
216	--	--	--	N	--	--	520 feet of 4½-inch casing and 60 feet of 3½-inch, including 20 feet of
217	--	--	W	N	--	--	497 feet of 4½-inch casing and 64 feet of 3¼-inch, including 20 feet
218	-11.9	Mar. 20, 1934	W	N	--	--	520 feet of [] of strainer. 4½-inch casing and 60 feet of 3½-inch, including
219	--	do.	W	S	--	--	498 feet of 4½-inch casing and 55 feet of 3¼-inch, including 18 feet
220	--	--	--	N	--	--	527 feet of [] of strainer. 4½-inch casing and 64 feet of 3½-inch, including 20
242	-11.0	Mar. 31, 1934	W	S	--	--	[] feet of strainer
243	- 7.0	do.	W	S	900	500	
244	--	--	W	S	800	480	
245	- 7.8	Mar. 31, 1934	W	S	400	190	
246	--	--	W	S	500	330	
247	-13.5	Mar. 31, 1934	W	S	700	550	
248	- 3.1	do.	W	S	420	400	Well is located about 100 yards from shore of Lagune
249	+	--	F	S	2,400	500	Flow of 15 gal- [] Madre. lons a minute. January 17, 1933.

Records of wells in Nueces County--Continued

Well No.	Distance from Corpus Christi	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing beds	
							Depth to top of bed (ft.)	Thickness (ft.)

Wells in vicinity of Corpus Christi

d/260	At Corpus Christi	City of Corpus Christi	Hall and Welty	1916	440	4 $\frac{1}{2}$	--	--
261	6 miles south	J. W. Brendesky	Everhart and Grasmuck	1924	175	3 $\frac{1}{2}$	--	--
262	5 miles south southeast	D. D. Baucom	--	1912?	186	4 $\frac{1}{2}$	--	--
263	7 $\frac{1}{2}$ miles south	A. Poenisch	--	1928	180	4 $\frac{1}{2}$	--	--
d/264	8 $\frac{1}{2}$ miles south southeast	John Pearse	Everhart and Grasmuck	1927	200	3 $\frac{1}{2}$	--	--
d/265	3 $\frac{1}{2}$ miles west	F. H. Kaler	F. H. Kaler	1887	63	3 $\frac{1}{2}$	60	3
270	9 miles southeast	J. C. O'Connell	Everhart and Grasmuck	--	38	4 $\frac{1}{2}$	--	--
271	11 miles southeast	Ocean Beach Drive	--	--	65	4 $\frac{1}{2}$	53	--

a/ H, hand pump; W, windmill; A, air lift; J, jack pump; E, electric motor; G, gasoline engine or oil engine; S, steam boiler; Gas, natural gas; F, artesian flow.

b/ P, public supply; Ind, industrial; T, drilling oil and gas prospects; D, domestic; S, stock; N, not used.

No.	Water level		Method of lift and amount of power a/	Use of water b/	Field tests per million		Remarks
	Above or below surface or bench mark	Date of measurement			Chloride ride	Hardness c/	
260	--	--	--	N	--	--	This well once had a flow and the water was used by many as mineral water. Well now caved in and not used. Original well drilled in 1913.
261	-19.6	Mar. 21, 1934	W	S	4,000	2,000	at 120 feet was very salty.
262	-17.9	Mar. 23, 1934	W	D,S	2,500	1,250	Reported that this well sands up badly.
263	-17.2	Mar. 21, 1934	--	N	--	--	Water became too salty for use about a year ago.
264	--	--	W	D,S	1,900	500	Reported that this well sands up badly.
265	--	--	W	D,S	600	270	This well in continuous use for 47 years. For many years supplied several families
270	-12.7	Mar. 31, 1934	W	D,P	1,200	950	Next stratum at 53 feet is too salty to use.
271	-13.8	do.	W	D,P	220	240	Well does not penetrate sand.

c/ Hardness as calcium carbonate by the soap method.

d/ Analysis of water in table of analyses herewith.

e/ Records obtained by Alexander Deussen in 1913.

f/ Reported by driller.

g/ Records obtained by S. S. Nye in 1928.

Table of Drillers' Logs of wells in Nueces County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 26</u>		
Martindale Loan Company, owner.		
Clay	60	60
Rock	2	62
Clay	185	247
Sand, salty water	8	255
Clay	52	307
Sand, salty water	18	325
Clay	99	424
Sand, good water	28	452

	Thickness (feet)	Depth (feet)
<u>Well 71</u>		
Lee Herrmann, owner.		
Sand	60	60
Clay	44	104
Gravel	4	108
Sand	32	140
Clay	36	176
Sand	4	180
Clay	40	220
Sand	25	245

	Thickness (feet)	Depth (feet)
<u>Well 79</u>		
Otto Walters, owner.		
Clay	65	65
White sand	20	85
Clay	65	150
Sand, salty water	6	156
Clay	118	274
Sand, water	8	282
Clay	66	348
Sand, water	4	352

	Thickness (feet)	Depth (feet)
<u>Well 103</u>		
R. B. Humphries, owner.		
Clay	20	20
Sand	10	30
Clay	83	113
Sand, salty water	69	182
Clay	19	201
Gravel, water	40	241
Clay	41	282
Coarse-grained brownish sand, water	13	295

	Thickness (feet)	Depth (feet)
<u>Well 195</u>		
J. O. Chapman, owner.		
Soil	6	6
White clay and gypsum	20	26
Sand	22	48
Blue clay	62	110
Sand	20	130
Red clay	70	200
Sand	10	210
Red clay	160	370
Blue clay	90	460
Red clay	85	545
Water sand	16	561

	Thickness (feet)	Depth (feet)
<u>Well 214</u>		
J. O. Chapman, owner.		
Soil	5	5
Clay with little gypsum	20	25
White sand	20	45
Clay	65	110
Blue clay	90	200
Sand	15	215
White clay	185	400
Sand	10	410
Red clay	150	560
Sand	10	570
Red clay	320	890
Blue clay	110	1000
Red clay	161	1161
Sand	12	1173

	Thickness (feet)	Depth (feet)
<u>Well 249</u>		
Mrs. H. M. King Estate, owner.		
Soil, white clay and sand	60	60
Sand and white clay	40	100
Sand	10	110
White and gray clay	40	150
Gray clay with salt water sand	150	300
Blue-gray clay	50	350
White and blue clay with hard rock	50	400
Very hard rock with black and blue clay	100	500

(Continued on next page)

Table of Drillers' Logs of wells in Nueces County--Continued

<u>Well 249--Continued</u>			<u>Well 249--Continued</u>		
	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Very fine-grained blue sand	40	540	White sand	87	1287
Bluish-gray clay	60	600	Pink, blue and white clay	19	1306
Hard rock with gravel	50	650	Sand and rock	19	1325
Rock and gray clay	150	800	Pink and red clay	12	1337
Blue, brown, and white clay	100	900	Brown sand, flows about 30 gallons a minute water a little salty	24	1361
White slush sand and clay	30	930	Red and brown clay	39	1400
Gray salt clay	70	1000	Red and white clay	20	1420
Fine white sand	20	1020	White sand	19	1439
Brown clay streaked with blue and white	30	1050	Clay and white sand	20	1459
White and brown clay	10	1060	Red and blue, slate clay	22	1481
White sand	4	1064	Brown and blue clay mixed with green, yellow and white sand	19	1500
Pink and white clay	86	1150	White sand and shale	22	1522
White sand	26	1176	Brown and blue clay with white sand	22	1544
White, blue and red clay	24	1200			

Analyses of waters from Nueces County, Texas

(Parts per million. Well numbers correspond to numbers in table of records of wells)

Well No.	Owner	Date of collection	Total dissolved solids (calc)	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃	Analyst
2	Mrs. E. A. Riney	June 21, 1934	1,025	-	12	54	32	295	418	129	300	9.6	a/266	Margaret D. Foster
20	Richard King	Mar. 4, 1913	1,590	-	0	-	-	540	331	287	571	-	192	W.T. Reed b/
23	R.H. Walker	do.	2,040	-	0	-	-	680	323	586	595	-	232	do.
27	Agua Dulce School	do.	2,150	-	0	-	-	800	431	460	718	-	110	do.
35	C.A. Eggleston	do.	3,910	-	0	-	-	1,450	305	574	1,782	-	216	do.
36	B.F. Wolcott	do.	1,940	-	0	-	-	640	346	344	723	-	236	do.
97	Steven Swetlick	June 21, 1934	3,088	-	1.5	46	20	1,081	264	605	1,205	.90	a/197	Margaret D. Foster
99	St. Louis, Brownsville & Mexico Ry. Co.	Mar. 3, 1913	2,110	-	.8	-	-	760	241	574	688	-	106	W.T. Reed b/
104	J. W. Wilson	do.	1,970	-	0	-	-	740	205	383	788	-	70	do.
111	Mrs. Mary Luby	do.	2,120	-	0	-	-	780	241	574	700	-	70	do.
126	Mrs. C. Sevier	do.	2,430	-	0	-	-	890	211	626	860	-	108	do.
127	do.	do.	1,880	-	0	-	-	680	226	492	628	-	104	do.
128	A. R. Ladd	do.	1,310	-	0	-	-	480	302	344	360	-	78	do.
130	John Sherry	Mar. 22, 1913	1,571	-	.5	20	2.0	552	249	375	471	-	a/ 58	do.
132	Mrs. E.A. Flynn Estate	Mar. 3, 1913	2,670	-	0	-	-	980	188	684	980	-	136	do.
138	Burr Westerbrook	do.	1,590	-	0	-	-	580	313	362	512	-	90	do.
139	J. M. Purcell	do.	1,650	-	0	-	-	620	305	300	612	-	80	do.
148	Central Power & Light Co.	Mar. 22, 1913	1,090	-	.3	22	9.0	355	287	207	292	-	a/ 92	do.
156	Mrs. Mary Luby Estate	Mar. 3, 1913	1,630	-	0	-	-	490	96	574	468	-	270	do.
161	Hal Yakey	do.	3,970	-	0	-	-	1,470	154	626	1,840	-	202	do.
162	John Luby	do.	1,980	-	0	-	-	750	236	362	796	-	64	do.
163	do.	do.	2,790	-	.4	-	-	1,010	188	626	1,100	-	156	do.

a/ Calculated

b/ Sample collected by David Donoghue under the supervision of Alex Deussen.

c/ Water from Nueces River near Calallen used as public supply for Corpus Christi.

Analyses of waters from Nueces County--Continued

(Parts per million. Well numbers correspond to numbers in table of records of wells)

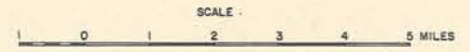
Well No.	Owner	Date of collection	Total dissolved solids (calc.)	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃	Analyst
164	City of Bishop	Mar. 3, 1913	1,030	-	0	-	-	360	218	160	392	-	114	W.T. Reed b/
206	Mrs. B. Cunningham	June 21, 1934	2,926	-	2.0	25	11	1,055	313	610	1,070	.75	a/108	Margaret D. Foster
214	J. O. Chapman	do.	2,723	-	1.8	30	7.5	962	266	722	870	.75	a/106	do.
246	Mrs. H. M. King Estate	do.	1,125	-	.36	60	32	335	360	50	470	.30	a/281	do.
264	John Pearse	do.	3,783	-	2.1	122	48	1,268	362	251	1,915	1.0	a/502	do.
265	F. H. Kaler	Mar. 3, 1913	830	-	1.0	-	-	280	429	53	248	-	146	W.T. Reed b/
c/		Mar. 10, 1928	880	7.8	.15	64	12	(Na 244 (K 9.9)	306	114	270	.46	a/209	Margaret D. Foster

a/ Calculated.

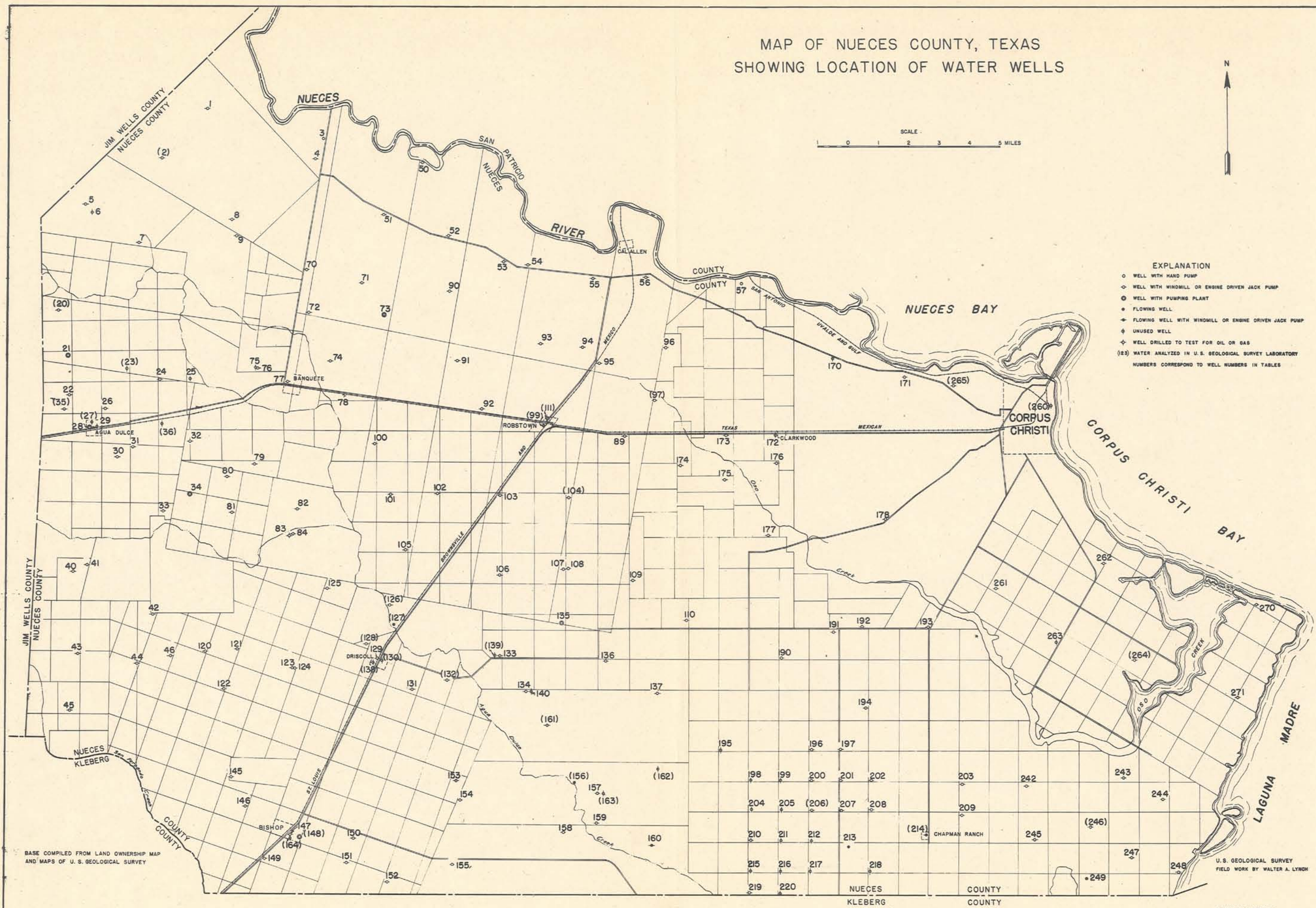
b/ Sample collected by David Donoghue under the supervision of Alex Deussen.

c/ Water from Nueces River near Calallen used as public supply for Corpus Christi.

MAP OF NUECES COUNTY, TEXAS SHOWING LOCATION OF WATER WELLS



- EXPLANATION**
- WELL WITH HAND PUMP
 - ◊ WELL WITH WINDMILL OR ENGINE DRIVEN JACK PUMP
 - WELL WITH PUMPING PLANT
 - FLOWING WELL
 - FLOWING WELL WITH WINDMILL OR ENGINE DRIVEN JACK PUMP
 - ⊕ UNUSED WELL
 - ⚡ WELL DRILLED TO TEST FOR OIL OR GAS
 - (23) WATER ANALYZED IN U.S. GEOLOGICAL SURVEY LABORATORY
NUMBERS CORRESPOND TO WELL NUMBERS IN TABLES



BASE COMPILED FROM LAND OWNERSHIP MAP
AND MAPS OF U. S. GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FIELD WORK BY WALTER A. LYNCH

DRAWN BY R. P. THAYER.